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PARTS & ACCESSORIES CATALOGUE

version code: 46022

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C.C. MARINE
DISTRIBUTORS INC.
460 Harry Walker Parkway South, Newmarket, Ontario L3Y 8E3

PART NUMBER CONVERSION INSTRUCTIONS

Sierra
Marine Engine and Drive Parts

TO CONVERT SIERRA PART NUMBERS TO C.C. MARINE PART NUMBERS

Part No. starting with "18" with 4 digits after the dash:
Add **"0"** to both beginning and end of No. Example: 18-8056 converts to **018-80560.**

Part No. starting with "18" with 5 digits after the dash:
Add **"9"** to beginning of No. Example: 18-15440 converts to **918-15440.**

Part No. with 2 dashes:
Add **"0"** to the beginning of the number and ignore the second dash.
Example: 18-0477-9 converts to **018-04779.**

Part No. ending with "D" add **"0"** to beginning of No.
Example: 18-5258D converts to **018-5258D.**

For Loctite® products located in Tools & Shop Supplies Section of Sierra Catalogue add **318-** in front of the number.
Example: 37701 converts to **318-37701.**

For products listed in Generator Parts Section of Sierra Catalogue add **"2"** to beginning of the number and **"0"** to the end of the number.
Example: 23-3301 converts to **223-33010**

Please Note:
1. *Parts listed in Shields Hose section of Sierra Catalogue are only available as SPECIAL ORDER, unless listed in Fuel System & Hose section of C.C. Marine Catalogue.*
2. *Parts listed in Electrical Products section of Sierra Catalogue are only available as SPECIAL ORDER, unless listed in Lighting & Electrical section of C.C. Marine Catalogue.*

DG

Product may be subject to a dangerous goods fee when shipped. See pages 1336, 1337 for complete dangerous goods product listing.

SPECIAL ORDER ITEM

Items in green are Special Order Items.
Not carried by CC Marine Distributors.

C.C. MARINE
DISTRIBUTORS INC.
460 Harry Walker Parkway South, Newmarket, Ontario L3Y 8E3

LES INSTRUCTIONS POUR CONVERTIR LES NUMÉROS DE PIÈCE

Sierra
Marine Engine and Drive Parts

POUR CONVERTIR LES NUMÉROS DE PIÈCE SIERRA AUX NUMÉROS DE PIÈCE C.C. MARINE

Nº de pièce débutant par "18" avec quatre chiffres après le tiret :
Ajouter un **"0"** avant et après le numéro. Exemple : 18-8056 se convertit à **018-80560.**

Nº de pièce débutant par "18" avec cinq chiffres après le tiret :
Ajouter un **"9"** devant le numéro. Exemple : 18-15440 se convertit à **918-15440.**

Nº de pièce avec 2 tirets :
Ajouter un **"0"** devant le numéro et ignorer le deuxième tiret.
Exemple : 18-0477-9 se convertit à **018-04779.**

Nº de pièce finissant par un D : Ajouter un **"0"** devant le numéro.
Exemple : 18-5258D se convertit à **018-5258D.**

Pour les produits Loctite dans la section Tool & Shop Supplies du catalogue Sierra ajouter **318-** devant le numéro.
Exemple : 37701 se convertit à **318-37701.**

Pour les produits dans la section Generator Parts du catalogue Sierra ajouter un **"2"** devant le numéro et un **"0"** à la fin du numéro.
Exemple: 23-3301 se convertit à **223-33010.**

Remarque:
1. *Les pièces offertes dans la section "Shields Hose" du catalogue Sierra sont disponible par commande spéciale seulement, excepté ceux qui sont inscrits dans la section des systèmes de carburant et la section des hoses du catalogue de C.C. Marine.*
2. *Les pièces offertes dans la section "Produits électriques et éclairages" du catalogue Sierra sont disponible par commande spéciale seulement, excepté ceux qui sont inscrits dans la section de produits électriques du catalogue de C.C. Marine.*

DG

Les produits peuvent être soumis à une charge de marchandises dangereuse lorsqu'ils sont expédiés par coumer. Voir page 1336, 1337 pour la liste complète des marchandises dangereuse.

LES PIÈCES DE COMMANDE SPÉCIALE

Les pièces en vert doivent être commandés comme commande spéciale. C.C. Marine Distributors ne garde pas ces pièces en stock.

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TERMS & CONDITIONS

CUSTOMER CODE
A dealer number is assigned to every dealer. Please use this number when placing an order or corresponding with us. This will ensure prompt service and avoid error.

TERMS
Net 15th following month if credit approved.

PRICES
Prices do not include taxes and are subject to change without notice.

LIABILITY
C.C. Marine will not be liable for any charges, claims or expenses made by any person or company from the use of products we distribute.

SHORT SHIPMENTS
All short shipments **MUST BE REPORTED WITHIN 10 Days**.

SPECIAL ORDERS
If we do not stock an item you require, we can order it but there will be a HANDLING CHARGE plus a DEPOSIT. All special orders must be ordered by a proper purchase order. A signed authorization must be emailed or faxed for any special to be processed. We regret we cannot accept special orders by phone. Items ordered special are non-returnable except when defective.
Please no exceptions.
Some items are only available in case lots. Although we do our best to get the product out as soon as possible, delivery time is partly based on method of transport and could incur higher shipping costs.

FREE FREIGHT PROGRAM
Freight-sensitive items:
Anchors, pails of chain, anti-freeze, boat stands, dock floats, dock ladders, dock carts, 18.9 litre pails, mouldings, rail tubing, antennas, refrigerators, pontoon furniture, floating mats, shrink wrap, large diameter hoses, trolling motors*, carpet**, other oversized items (items over 4 ft. in length), etc. **are NOT covered on Freight Program**.
Hazardous Goods, C.O.D. Charges, orders requiring ADDITIONAL HANDLING COSTS **are NOT covered on Freight Program**. Large Package Fee for items over 130 inches in Girth (Length + 2 Width + 2 Height), Out of Service Area & Tailgate Charges **are NOT covered on Freight Program**. Insurance costs may apply when shipping expensive items.
We reserve the right to ship large quantities of freight sensitive items by transport.
Terms and conditions of transport companies are constantly changing, therefore the above conditions are subject to change.
* **Large Trolling Motors subject to Large Package Fee**
** **Carpet over 6 ft. x 10 ft. OR 8 ft. x 8 ft. subject to Large Package Fee**

PRODUCT RETURN INFORMATION
See separate page.

PART NUMBER CONVERSIONS
See separate page for part number conversion instructions.

FOR FRENCH TERMS & CONDITIONS
See over

C.C. MARINE
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MODALITÉS ET RENSEIGNEMENTS

CODE DE CLIENT

Un numéro de concessionnaire est attribué à chaque concessionnaire. Veuillez utiliser ce numéro lorsque vous passez une commande ou lorsque vous communiquez avec nous, ceci pour nous permettre de vous assurer un service prompt et de prévenir les erreurs.

MODALITÉS

Net le 15e jour du mois suivant sur approbation de crédit.

PRIX

Les prix n'incluent pas les taxes et sont susceptibles d'être modifiés sans préavis.

RESPONSABILITÉ

C.C. Marine ne sera pas tenu responsible pour les modifications, reclamations, ou depenses engages par une personne ou une entreprise pour l'utilisation des produits que nous distribuons.

COMMANDES DÉLIVRÉES INCOMPLETES

Les commandes incompletes doivent être signalées dan les 10 jours suivant la commande facturée.

COMMANDES SPÉCIALES

Si vous avez besoin d'articles qui ne sont pas dans notre catalogue, nous pouvons le commander, mais il y aura des frais de manutention additionnels. Toutes les commandes spéciales doivent être commandés par un ordre d'achat appropriée. Une autorisation signée doit être envoyé par courrier électronique ou par télécopieur pour tous articles à être traitées. Nous regrettons de ne pas pouvoir accepter des commandes spéciales par téléphone **(Sans exceptions)**. Les articles commandés spéciales sont non retournables, ni remboursables, sauf s'ils sont défectueux. Certains articles ne sont disponibles que dans de nombreux cas. Nous ferons de notre mieux pour obtenir le produit dans les plus brefs délais et il peut aussi s'ajouter des frais de transport supplémentaire.

PROGRAMME DE FRET GRATUIT

Fret pour merchandise lourd:
Ancres, antigels, supports à bateaux, quais flottants, échelles de quais, chariots de quais, seaux de 18.9 litres, moulures, antennes, réfrigérateurs, mobiliers de pontons, tapis flottant, film thermorétractable, *moteurs pour pêche à la traîne, **tapis, items surdimensionnés(plus de 4 pieds)
Items PAS couverts sur le programme de fret gratuit.
-Les marchandises dangereuses, Frais C.O.D., Commandes nécessitant des frais additionnels
Items PAS couverts sur le programme de fret gratuit.
-Frais pour items surdimensionnés de plus de 130 pouces de circonférences(Longueur, Largeur et Hauteur).
Region Hors des paramètres de Livraison ne sont pas compris.
Items PAS couverts sur le programme de fret gratuit.
Des frais d'assurances peuvent s'appliquer lors de la manutention d'items coûteuses.
Nous réservons le droit d'envoyer des grandes quantitiés d'items par transport.
Les termes et conditions des companies de transport variant et changent, donc les conditions ci-dessus peuvent changer également.
***Les moteurs pour pêche à la traîne sont sujets à des frais additonnels.**
****Tapis a plus de 6` x 10 ` ou 8 `x 8` sont sujets à des frais additionnels.**

INFORMATION POUR RETOUR DE MARCHANDISES

SVP voir une page suivante.

LES CONVERSIONS DES NUMÉROS DE PIÉCE

SVP voir une page suivante pour les instructions de la conversion des numéros de pièce.

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C.C. MARINE PRODUCT RETURN INFORMATION

Regular Stock Return for Credit - RMA # must be obtained prior to any return. Items must be returned freight prepaid in original package, unopened and unmarked in any way. The return authorization # must be marked on the outside of the shipment and referenced on any related paperwork. **Retail dealership price stickers must be removed. If item is not in new and resalable condition, it will be returned to dealer. 20% restocking charge will apply to items over 21 days. Any goods without an RMA or over 90 days will not be accepted.** ***NOTE: All cables are subject to a 5% restocking fee (Steering & Control Cables).***

Defective Warranty Return for Credit - RMA # must be obtained prior to any return. Items must be returned freight prepaid. CC policy is based on each specific manufacturer's terms and conditions as listed on the manufacturer's website. Refer to pages 1333 - 1335 for website information. Credit will be issued to dealer's account upon approval from the manufacturer. The manufacturer may or may not extend warranty for an item, and CC is not a party to any such warranty and has no liability or obligation thereunder. **All defective returns must be accompanied with a copy of the sales invoice to the end user. This is for the manufacturer to confirm that the item is within the warranty period. Claims will be denied without this information. All warranty parts must be returned to CC prepaid freight for warranty consideration.**

Defective Warranty Items that cannot be returned to CC for Credit -These items must go directly to manufacturer for repair and be returned to dealer or end user. These items include, but are not limited to Air Spray Guns & Tools, Barbeques, De-icers, Depth Sounders, Downriggers, Electric Tools, Electronic Diagnostic Tools, Electronic Engine Parts, Electro Steer, Fish Finders, GPS, Jack Plates, Keelguards, Plotters, Propane Stoves, Refridgerators, Remote Powered Search Lights, Shrink Wrap Guns & Accessories, Stern Drive Lifts, Talons & Trolling Motors, Troll Masters, Water Heaters, Windlasses and Winches.

EXCEPTIONS to Defective Warranty Procedures

CDI & Balmar Products – Please Do not call CC for a Return Authorization – Call CDI First!!! - If you are experiencing a problem please contact CDI immediately at 1-866-423-4832 for assistance. These communications will allow the manufacturer to help you quickly and effectively – so your customer's boat doesn't stay in the shop any longer than required. Technical Services will assist you with troubleshooting the ignition system to determine if CDI Electronics' part failed by itself, or if another component of the ignition system is causing the CDI part to fail. This process helps to avoid the "repetitive failure loop" of reordering a part that continues to fail due to a failure mode caused by another part in the ignition system. If CDI determines you have a defective part they will issue an RMA and CC Parts Department will assist you with the process.

GLM Marine Parts - Any claim with labour concerns must be sent to GLM directly. GLM will credit or reimburse the Dealer for qualified warranty claims submitted that comply with GLM identified warranty policies. Any claim SHALL BE IN WRITING TO GLM PRODUCTS, INC. WITHIN THE WARRANTY PERIOD. Contact GLM Products or CC Marine Distributors for a GLM warranty application. All returns must have a GLM RGA # assigned and marked on all documents.

Megaware KeelGuard® - Lifetime Warranty - Must be registered when installed and claimed by end user (retail customer) directly to Megaware.

Norcold Refrigeration Products - Units need to be returned to an authorized service centre or the Norcold factory. Contact Parts Department for information on how to proceed.

Sierra Warranty Parts - Must be returned with a copy of invoice to end user. Any claim involving labour issues must be directed to Sierra. Labour claims procedure is located on inside back cover of Sierra Parts Catalogue.

Disclaimer - All items offered by CC Marine Distributors are subject to warranty approval by the Original Manufacturer based on their terms and conditions. CC disclaims any and all warranties, whether implied or expressed, including, without limitation, any warranty of fitness or merchantability or fitness for a particular purpose. We shall not be liable for any damages including commercial losses or damages arising from the purchase or use of such items.

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C.C. MARINE - INFORMATION POUR RETOURS DE MARCHANDISES

Marchandise régulière- retour pour note de crédit - # d'autorisation de retour doit être obtenu avant le retour. Les items doivent être retournés à fret prépayé dans l'emballage originale, l'empaquetage ne doit pas être endommagé ou ouvert. Le numero de retour doit être visible sur les documents de retour et sur la boite de retour. **Les prix de detail du concessionnaire doivent être enlevés. Si l'item n'est pas en condition pour la revente, l'item sera retourné au concessionnaire. Des frais de 20% seront additionnés apres 21 jours de la vente originale. Les items sans bons de retour ou de plus de 90 jours de la vente, ne seront pas acceptés.**
Tous les câbles sont soumis à des frais de réapprovisionnement de 5% (Câbles de direction et contrôle).

Garantie pour items défectueux- retour pour note de crédit - Le # de retour doit être obtenu avant chaque retour. Les items doivent être retournés a fret prépayé. La politique de CC est basée sur les conditions spécifiques du manufacturier et noter sur leur site web. Référez à la page 1333-1335 pour l'information des sites. Le crédit sera émit au compte du concessionnaire respectif lorsque le retour sera apprové par le manufacturier. Le manufacturier peut ou non approver la garantie sur un item et CC n'est pas responsable, ou sous obligation ci-dessous.
Tout items défectueux retournés, doit être accompagnés d'une copie de la facture d'achat. Le manufacturier doit confirmer que l'item est dans la période de garantie. Tout retours de garantie sera niés sans cette information. Toute pièces de garantie doit être retournées à CC fret prépayé pour considération de garantie.

Garanties pour items qui ne peuvent être retournés a C.C. Marine pour note de crédit - Ces items doivent être envoyés directement au manufacturier pour réparations et seront ensuite retournés au concessionnaire. Ces items incluent: Pistolets à Air et Outils, Barbecues, De-icers, Profondimètre, Downriggers, Outils Électriques, Outils à Diagnostiques, Pièces pour Moteurs Électriques, Électro Steer,Sonars, GPS, Jack Plates, Garde de Quille, Cuisinières au Propane, Réfrigérateurs, Lampes de Recherches avec Contrôle, Pistolet Thermique et Accessoires pour Film Rétractable, Talons, Support pour Pied de Moteur,Troll Masters, Chauffes-Eaux, Windlass et Treuils.

Exceptions pour marchandises défectueuses - Procédures de garanties

CDI et produits Balmar – SVP ne pas appelez CC Marine pour authorization, SVP applez CDI en premier. - Si vous avez un problème, contactez CDI immédiatement au 1-866-423-4832. Les communications directes avec le manufacturier va permettre une résolution plus rapide – donc, le vaisseau de votre client ne restera pas dans la shoppe plus longtemps que necessaire. Les techniciens sauront vous aider avec le systeme de démarrage pour déterminer si les pièces électroniques CDI sont défectueuses ou si ce sont d'autres pièces du systeme de démarrage qui causent le problème. Ce processus est pour éviter de re-commander la même pièce non- défectueuse, mais qui devient defectueuse et qui cause le system de démarrage d'échouer. Si CDI détermine que la pièce est défectueuse, ils s'occuperont de faire une authorization de retour et CC Marine vont vous aider avec ce processus.

Les pièces GLM Marine - Toutes réclamations avec travaux accomplis doivent être envoyées à GLM Marine directement. GLM va faire le crédit ou rembourser le concessionnaire pour toutes garanties qui qualifient, soumises et qui conforment aux politiques de garanties. Toutes soumissions doivent être émisent formellement par écrit à GLM Products Inc. dans la periode de garantie. Contactez GLM Products ou CC Marine Distributions pour l'application de garantie. Tout retour doit avoir un # d'autorization GLM assigné sur tout les documents.

Megaware KeelGuard - Garantie a Vie - Doit être enregistrée lors de l'installation et réclamée par le client directement a Megaware.

Les Produits Norcold Réfrigeration - Les unités doivent être retournées au centre de services autorisé ou le centre Norcold. Contactez le département des pièces pour toutes informations.

Pièces Garanties Sierra - Doivent être retournées avec une copie de la facture au client. Les réclamations comprenant les travaux doivent être envoyer a Sierra directement. Les procédures de réclamations sont postées dans le catalogue Sierra.

Declaration de non-responsabilité - Tout items offerts par C.C. Marine Distributeurs sont sujets a l'approbation de garantie du Manufacturier d'Origine et basé sur leur termes et conditions. C.C. déclare toute garanties, soit sous-entendu ou exprimé, incluant, mais pas limité a toutes garanties de commerciabilités ou de convenances. Nous ne sommes pas responsible pour tout dommages incluant pertes commerciales et dommages dû à l'achat ou usages de ces items.

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EMP®

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See Current EMP Catalogue

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Our rock solid 2-Year warranty eliminates the gray area left open to the manufacturer's discretion in some competitors warranties for peace of mind.

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Mobile Living Made Easy.

DOMETIC OUTDOOR

GEAR UP FOR SUMMER

XTREME JACKPLATES

The SeaStar Xtreme Jackplates utilize high strength materials to handle some of the strongest engines on the water. The heavy-duty frames are capable of handling engines up to 400 HP. Designed with speed and durability in mind, the Xtreme Jackplates can adjust the engine height in just 8.5 seconds, even while the boat is moving at full speed.

For more product information see page 1187

www.dometic.com

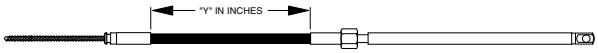
STEERING CABLE MEASURING GUIDE

DOMETIC OUTDOOR

HOW TO MEASURE STEERING CABLES "MEASURE TWICE. ORDER ONCE."

REPLACEMENT OF EXISTING CABLE:

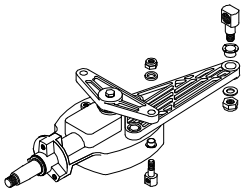
If possible, find the part number stamped on the plastic jacket of the old cable. If you removed the old cable, measure for the replacement cable as follows:



For Rotary Steering Cable Replacement,
Measure Existing Cable as follows: Measure plastic cable jacket ("Y" dimension, shown in above drawing) in inches, add 18", and round up to the next foot.
Order that length cable.

For Rack Steering Cable Replacement,
Measure Existing Cable as follows: Measure plastic cable jacket ("Y" dimension shown in above drawing) in inches, add 30", and round up to the next foot.
Order that length cable.

For JBS Jet Boat Cable Replacement,
Measure Existing Cable as follows:
Measure cable from tip to tip.
(Round up to next foot if needed for whole foot.)
Order that length cable.



JBS helms are ONLY for smaller jets such as Mercury Sport Jet®, OMC Turbo Jet®, etc. and look like the helm depicted at right. If your jet steering is different, contact SeaStar Solutions Technical Service.

If your engine does not have a tilt tube cable connection, see "Connection Kits" pages later in this section to get the information or visit us on-line.

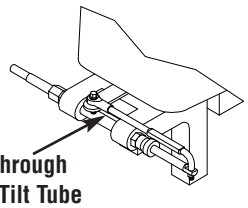
NEW INSTALLATION:

Measure cable routing path from wheel center line to engine connection, as follows:
A = Center line of wheel to gunwale (or deck, if routed downward),
B = Dash to transom,
C = Gunwale to centerline of cable connection at centered tiller.

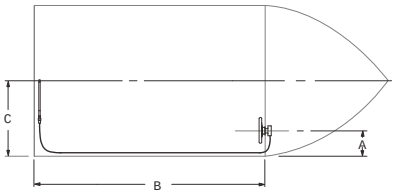
For Cable Installations through the Engine Tilt Tube:
Add A, B & C + 6", and round up to the next foot.
Order that length cable.

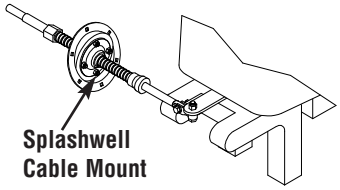
For Cables Mounted to Transom, Splashwell or Stringer:
Add A, B & C, then subtract 6" and round up to the next foot.
Order that length cable.

TYPICAL SINGLE STATION ROUTING

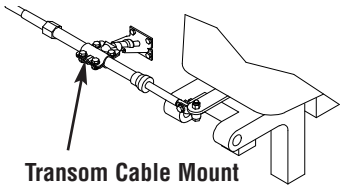


Cable Through Engine Tilt Tube





Splashwell Cable Mount



Transom Cable Mount (similar to stringer type)

A single-cable, starboard drive push-pull mechanical cable system is shown in this diagram. If your mechanical system is different than the one depicted and/or you have any questions about mechanical steering after reviewing this guide, please contact Dometics Technical Service. Cable routings (such as those found on pontoon boats) may vary from this drawing.
Confirm length by laying a garden hose (or similar object) along cable path and measure run from wheel to engine connection point.

For more information see: www.dometic.com

UFLEX

HOW TO MEASURE FOR NEW STEERING CABLE INSTALLATION

Fig. 1

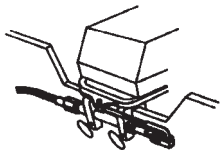


Fig. 2

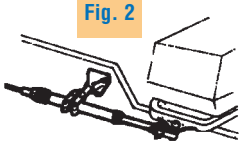
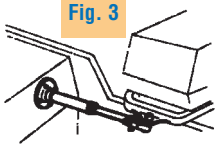
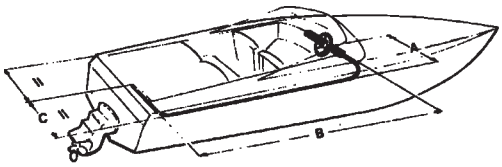


Fig. 3





TILT TUBE MOUNTING - Fig. 1
Example:
A (2.5') + B (10.5') + C (3') = 16'
16' - 8" (two 90˚ bends) = 15'4"
15'4" + 12" (tilt tube) = 16'4"
Round up to 17"

TRANSOM SUPPORT or SPLASHWELL MOUNTING - Fig. 2-3
Example:
A (2.5') + B (10.5') + C (3') = 16'
16' - 8" (two 90˚ bends) = 15'4"
Round up to 16"

Add the lengths of A + B + C together and subtract 4" (10 cm) for each 90˚ bend.
Add 12" (30.5 cm) for the engine tilt tube. To order in foot length, round up to the nearest whole foot.

HOW TO MEASURE FOR REPLACEMENT STEERING CABLES

D = Conduit length

ORDER LENGTH:
"D" Dimension + 22" and round up to the next whole foot.
Example: D=120" + 22" = 142" (11'8"). Round up to 12 ft.

For more information see: www.uflexusa.com

MECHANICAL STEERING CABLES

ROTARY STEERING CABLES

DOMETIC OUTDOOR

All SeaStar Solutions steering cables exceed ABYC safety standards and ISO/IMCI/NMMA certification requirements. SeaStar Solutions steering cables are designed with a rotary or rack and pinion design to fit various helm space and application requirements.

All SeaStar steering cables feature:

- A tightly controlled core to conduit fit to offer precise steering.
- Outer jacket is constructed with HDPE a high density polyethylene material that is abrasion resistant and provides a high resistance to water penetration.
- All cables feature output ends constructed of stainless steel material for corrosion resistance.

SAFE-T QUICK CONNECT

SSC62XX

Standard quick connect rotary cable fits 073-50940-1, 073-51800 (SH5180P), 073-91190 (SH91190P), 073-91526 (SH91526P), 073-91527 (SH91527P), and 073-91523-1 (SH91523-1P).
Fits SeaStar Helms: SAFE-T (QC) Rotary, NFB Rotary, HPS Rotary

SSC62XX WITH ADAPTOR 069-27620 (SA27620P) sold separately*
Fits SeaStar Helms: Old SAFE-T "TS" (Threaded Spigot) Rotary, Big-T Rotary

SA27620P Adaptor (For use with older Safe-T and Big-T Helms)

SSC61XX is directly replaced by SSC62XX and adaptor SA27620P

Length	ORDER NO.
7 ft.	078-62070
8 ft.	078-62080
9 ft.	078-62090
10 ft.	078-62100
11 ft.	078-62110
12 ft.	078-62120
13 ft.	078-62130
14 ft.	078-62140
15 ft.	078-62150
16 ft.	078-62160
17 ft.	078-62170
18 ft.	078-62180
19 ft.	078-62190
20 ft.	078-62200

Length	ORDER NO.
22 ft.	078-62220
23 ft.	078-62230
24 ft.	078-62240
25 ft.	078-62250
26 ft.	078-62260
28 ft.	078-62280
29 ft.	078-62290
30 ft.	078-62300
32 ft.	078-62320
34 ft.	078-62340
36 ft.	078-62360
38 ft.	078-62380
40 ft.	078-62400
42 ft.	078-62420

RACK STEERING CABLES

BM RACK AND NFB RACK

SSC134XX - SINGLE

Standard rack cable fits 073-52100 (SH5210P), 073-52300 (SH5230P), 073-91610 (SH91610P), and 073-91630 (SH91630P) helms.
Fits SeaStar Helms: BM Rack Helm, NFB Rack Helm, BM Rack Tilt Helm, NFB Rack Tilt Helm
Rack Width: 1-5/8".

SSC 134-FT
Back Mount Rack Single Cable
NFB Rack Single Cable

Length	ORDER NO.
8 ft.	078-13408
9 ft.	078-13409
10 ft.	078-13410
11 ft.	078-13411
12 ft.	078-13412
13 ft.	078-13413
14 ft.	078-13414

Length	ORDER NO.
15 ft.	078-13415
16 ft.	078-13416
17 ft.	078-13417
18 ft.	078-13418
19 ft.	078-13419
20 ft.	078-13420

SSC135XX - DUAL

Twin rack cable fits 073-52100 (SH5210P), 073-52300 (SH5230P), 073-91610 (SH91610P), and 073-91630 (SH91630P) helms.
Fits SeaStar Helms: BM Rack Helm, NFB Rack Helm, BM Rack Tilt Helm, NFB Rack Tilt Helm.

SSC 135-FT
Back Mount Rack Twin Cable
NFB ProRack Twin Cable

Length	ORDER NO.
12 ft.	078-13512
13 ft.	078-13513
14 ft.	078-13514
15 ft.	078-13515
16 ft.	078-13516

For more information see: www.dometic.com

DOMETIC OUTDOOR

Over the past 30 years Dometic has produced steering helms and steering cables that are no longer available. Please use the following guide to identify the current system and choose the proper replacement system.

ORIGINAL SYSTEM NAME (VERSION)	DATES USED & CABLE COLOUR(S)	REPLACEMENT Non-Power-Assist Outboards & I/O's	REPLACEMENT Power-Assist & Small Inboards PACKAGED SYSTEM P/N (XX=LENGTH)
Easy-T (Rotary) SC89XX Cable	1968 - 1972 Silver	Safe-T II (SS132XX)♦ or NFB 4.2 (SS147XX)	Safe-T Quick Connect **082-137XX**
Midi-T (Rotary)** SC75XX Cable	1969 - 1972 Green	Safe-T II (SS132XX)♦ or NFB 4.2 (SS147XX)	Safe-T Quick Connect **082-137XX**
Mini-T SC74XX Cable	1969 - 1972 Black	Safe-T II (SS132XX)♦ or NFB 4.2 (SS147XX)	Safe-T Quick Connect **082-137XX**
Morse® Command 2 Rotary 300622/300623/300624	Obsolete Red	Safe-T II (SS132XX)♦ or NFB 4.2 (SS147XX)	Big-T (components)
Morse® Command 290 304411-00-XXX.0	To Date	Safe-T II (SS132XX)♦ or NFB 4.2 (SS147XX)	Safe-T Quick Connect **082-137XX**
		Dometics Direct Replacement Cable for these systems is SSC290XX	
Morse® Command 250 300962/312020	Red or Black Obsolete	Safe-T II (SS132XX)♦ or NFB 4.2 (SS147XX)	Safe-T Quick Connect **082-137XX**
Morse® Command 290 Dual Cable Systems (2) 304411 Cables	To 2000 Red or Black	NFB 4.2 (SS148XX)♦ or SeaStar (components) (See SeaStar Selection Guide)	Safe-T Quick Connect dual (components) ***(See Page 2 & 4)***
		Dometics Direct Replacement Cable for these systems is SSC290XX	
Safe-T (Version 1) SC89XX Cable	1968 - 1972 White or Black	Safe-T II (SS132XX)♦ or NFB 4.2 (SS147XX)	Safe-T Quick Connect **082-137XX**
Safe-T "TS" (Version 2)* SC69XX/SSC72XX	1972 - Date White or Black	Safe-T II (SS132XX)♦ or NFB 4.2 (SS147XX	Safe-T Quick Connect **082-137XX**
		Dometics Direct Replacement Cable for these systems is SSC62XX	
Safe-T QC (Quick Connect) SSC62XX	1990 - 1996 Black	Safe-T II (SS132XX)♦ or NFB 4.2 (SS147XX	Safe-T Quick Connect **082-137XX**
		Dometics Direct Replacement Cable for these systems is SSC62XX	
Safe-T QC (Quick Connect) SSC62XX	1996 - Date Black	Safe-T II (SS132XX)♦ or NFB 4.2 (SS147XX	Safe-T Quick Connect **082-137XX**
		Dometics Direct Replacement Cable for these systems is SSC62XX	
Safe-T Dual Cable Systems SSC62XX	1975 - Date White or Black	NFB 4.2 Dual Cable (SS148XX) or SeaStar (components)	Safe-T Quick Connect dual (components) ***(See Page 2 & 4)***
		Dometics Direct Replacement Cable for these systems is SSC62XX	
NFB 4.2 SSC62XX Cable	1990 - Date Black	NFB 4.2 (SS147XX)	NFB not for power steering or inboard ***(See Page 2)***
		Dometics Direct Replacement Cable for these systems is SSC62XX	
Morse® Command 200 Rack 300619XX	To 2001 Red or Black	NFB Rack (SS151XX)	The Rack **081-141XX**
		Dometics Direct Replacement Cable for these systems is SSC130XX	

♦*Safe-T II is for engines up to and including V-4's. For manually steered outboards larger than V-4, use NFB 4.2.*

***Slight dash modification required for installation of recommended new helm. If engine is power-assisted, NFB steering cannot be used.*

**Since this may be relatively new, replacement of entire system may not be necessary.*

Determine which part of the system may need to be replaced. If engine is power-assisted, NFB steering cannot be used.

Note: The only difference between 1990-1996 & 1996-date Safe-T QC helms is the shape of the helm housing castings.

SAFE-T® QC MECHANICAL ROTARY STEERING SYSTEM:

DOMETIC OUTDOOR

Traditional Dometics mechanical steering is still the choice for sterndrives, inboards and other power assisted applications. It's just right for power steered boats in which No FeedBack™ systems are not required. Safe-T® QC offers the quick response of three-turn steering, and easy installation with a patented, no-tools-required cable connection at the helm.

APPLICATIONS:

Virtually all power-assisted sterndrive boats with wheels up to 16" diameter. Safe-T QC® replaces all Dometics Safe-T helms made since 1968 with little or no dash modifications.
(Requires use of SSC62 QC Steering Cable.)
For single station use only. Safe-T QC accepts wheels up to 16" diameter. Components are available for dual cable systems, but we recommend No-FeedBack steering for all dual cable steered, non-power-assisted outboards and sterndrives. See the NFB 4.2 Dual Cable and SeaStar PRO sections of this catalogue.

FEATURES:

- Quick-response of 3 turns lock-to-lock.
- Kits include: cable, helm, 90° bezel and hardware.
- Standard 3/4" round tapered steering shaft.
- Stainless steel cable output ends.
- Fast, easy installation: uses simple snap-in cable connection, Quick Connect (QC) cable, and industry-standard Safe-T mounting hardware.
- Meets A.B.Y.C. standards.
- Meets N.M.M.A. certification requirements.
- Made, designed and assembled in the USA.

STEERING KIT W / 90° BEZEL	ORDER NO.
8' Q/Conn Steering Kit	082-13708
9' Q/Conn Steering Kit	082-13709
10' Q/Conn Steering Kit	082-13710
11' Q/Conn Steering Kit	082-13711
12' Q/Conn Steering Kit	082-13712
13' Q/Conn Steering Kit	082-13713
14' Q/Conn Steering Kit	082-13714
15' Q/Conn Steering Kit	082-13715
16' Q/Conn Steering Kit	082-13716
17' Q/Conn Steering Kit	082-13717
18' Q/Conn Steering Kit	082-13718
19' Q/Conn Steering Kit	082-13719
20' Q/Conn Steering Kit	082-13720

Sport Tilt

Sport Tilt Plus

DISCLAIMER:
This system is only recommended as replacement for the original system as installed by the boat manufacturer. Dometics always recommends NFB helms for outboard applications.
NFB helms lock out steering loads caused by propeller torque eliminating the driver fatigue normally experienced with a standard helm. Patented Dometics steering helms are a drop in replacement for Safe-T systems.

SS137 SAFE-T® QC STEERING KIT (Single Cable)

COMPONENTS

DESCRIPTION	MFR.NO.	ORDER NO.
Safe-T QC Single Helm	SH5094-1P	073-50940-1
Safe-T QC Bezel (90°)	SB27484P	070-27484
QC Cable	SSC62XX	078-62XX0

XX = Length of Cable

OPTIONS

DESCRIPTION	MFR.NO.	ORDER NO.
Safe-T QC Sgl. Tilt Dash Module Each Kit Includes Tilt Helm & Tilt Mechanism	SHT91523	153-91523
Sport Tilt Mechanism Cover Style: Flexible Rubber Bellows	SH91800P	073-91800
Sport Plus Tilt Mechanism Cover Style: Solid Round Cover	SH91900P	073-91900
Safe-T QC Single Tilt Helm	SH91523-1P*	073-91523-1*
Bezel (20°)	SB27483P	070-27483
Cable Gard (fits most tilt tubes)	SA39329P	069-39329

SERVICE ITEMS

DESCRIPTION	MFR.NO.	ORDER NO.
QC II Cable (for most SeaStar Solutions rotary helms) (includes #069-27620 Helm Converter)	SSC62XX	078-62XX0
QC II Threaded Helm Converter (in SSC62 cable)	SA27620P	069-27620
Steering Wheel Hardware Kit	SA27454P	069-27454
Spent Travel Tube	SA35680P	069-35680
Hitch Pin for Quick Connect Helms	SA27245P	069-27245

***** *Requires tilt mechanism to complete Tilt Steering system installation.*

DOMETIC OUTDOOR

NFB™ SAFE-T® II MECHANICAL ROTARY STEERING SYSTEM

Major OEMs use Dometics Safe-T II, and so will your customers. It's the next generation of Safe-T, the world's #1 rotary steering system — rugged, compact, lightweight, and with Dometics No FeedBack technology. This ultra-smooth 3-turn system takes the work out of steering most V-4 outboard powered boats. The Safe-T II helm is a drop-in replacement for current generation Safe-T QC with no dash modifications!

COMPLETE SYSTEM
Kit includes Helm, 90° Bezel & Cable

Steering Kit Length	Mfr. No.	ORDER NO.
10'	SS 13210	084-13210
11'	SS 13211	084-13211
12'	SS 13212	084-13212
13'	SS 13213	084-13213
14'	SS 13214	084-13214
15'	SS 13215	084-13215
16'	SS 13216	084-13216
17'	SS 13217	084-13217
18'	SS 13218	084-13218
19'	SS 13219	084-13219
20'	SS 13220	084-13220

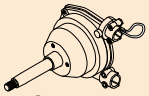
APPLICATIONS:

NFB Safe-T II single-cable systems are suitable for most single-station boats with a single non-power-assisted outboard engine up to V-4 and minimal engine flutter or steering instability. Safe-T II accepts wheels up to 16" diameter. (NFB Safe-T II is available in single cable configuration only). Replaces nearly all standard Safe-T® steering without dash modifications.

FEATURES:

- Patented No FeedBack™ Steering mechanism.
- Quick response of 3.0 turns from lock-to-lock.
- Minimal clutch free play.
- Standard 3/4" round tapered steering shaft.
- Stainless steel cable output ends.
- Fast, easy installation: uses Dometics Quick Connect (QC) cable & standard Safe-T mounting hardware.
- Meets A.B.Y.C. standards.
- Meets N.M.M.A. certification requirements.
- Made, designed and assembled in the USA.

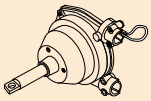
NFB SAFE-T II



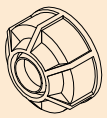
SH5150P

SB27150P

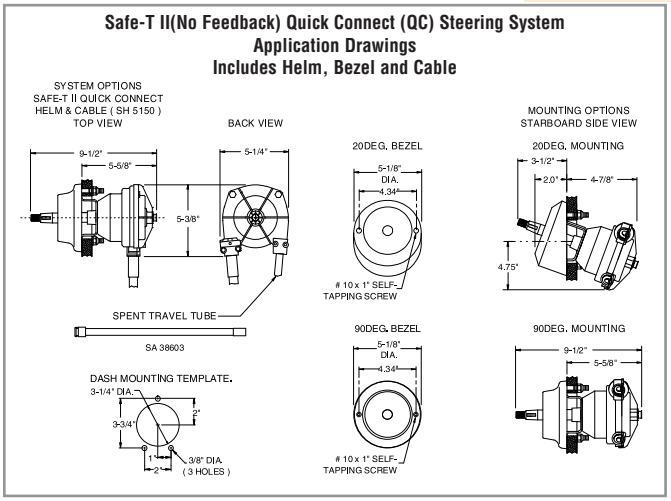
SB27483P



SH91190P



SA39329P



COMPONENTS

DESCRIPTION	MFR.NO.	ORDER NO.
NFB Safe-T II Helm	SH5150P	073-51500
Rotary NFB Bezel (90°)	SB27150P	070-27150
QC Cable	SSC62xx	078-62xx0

XX = Length of Cable

SSC62XX

*Note: XX - Length of cable, **See Page 2** in this catalogue for list of steering cable sizes available.*

OPTIONS

DESCRIPTION	MFR.NO.	ORDER NO.
NFB Safe-T II Tilt Dash Module Each Kit Includes Tilt Helm & Tilt Mechanism	SHT91190	153-91190
NFB Safe-T II Tilt Helm	SH91190P*	073-91190*
Sport Tilt Mechanism Cover Style: Flexible Rubber Bellows	SH91800P	073-91800
Sport Plus Tilt Mechanism Cover Style: Solid Round Cover	SH91900P	073-91900
Bezel (20°)	SB27483P	070-27483
Cable Gard (fits most tilt tubes)	SA39329P	069-39329

SERVICE ITEMS

DESCRIPTION	MFR.NO.	ORDER NO.
QC II Cable (for most Dometics rotary) (Includes #069-27620 Helm Converter)	SSC62XX	078-62XX0
Steering Wheel Hardware Kit	SA27454P	069-27454
Spent Travel Tube (Rotary NFB)	SA38603P	069-38603
Hitch Pin for Quick Connect Helms	SA27245P	069-27245

**Requires Tilt Mechanism to complete Tilt Steering system installation.*

For more information see: www.dometic.com

DOMETIC OUTDOOR

NFB™ 4.2 MECHANICAL ROTARY STEERING (SINGLE) SYSTEM

Patented No FeedBack Steering Helm for about the cost of an old-fashioned steering replacement. With the advantage of 4.2 turns lock-to-lock and our patented No FeedBack steering to lock out steering loads, Dometics' 4.2 Rotary NFB Steering is the ideal single-cable system for most non-power-steered boats. The helm is a drop-in replacement for current generation Safe-T with no dash modifications required.

COMPONENTS:

(1) NFB 4.2 Helm **# 073-49100**
(1) Rotary NFB Bezel (90°) **# 070-27150**
(1) QC Cable **# 078-62XX0**
XX = Length of Cable

Steering Kit Length	Mfr. No.	ORDER NO.
10'	SS14710	084-14710
11'	SS14711	084-14711
12'	SS14712	084-14712
13'	SS14713	084-14713
14'	SS14714	084-14714
15'	SS14715	084-14715
16'	SS14716	084-14716
17'	SS14717	084-14717
18'	SS14718	084-14718
19'	SS14719	084-14719
20'	SS14720	084-14720

APPLICATIONS:

NFB 4.2 single-cable systems are suitable for most single-station boats with a single non-power-assisted outboard engine up to V-6 and minimal engine flutter or steering instability. 4.2 accepts wheels up to 16" diameter.

Use dual cable system for boats with engine flutter or steering instability.
Replaces nearly all Dometics' Safe-T® steering systems without dash modification.

FEATURES:

- Patented No FeedBack™ Steering mechanism.
- Comfortable 4.2 turns from lock-to-lock.
- Minimal clutch free play.
- Standard 3/4" round tapered steering shaft.
- Stainless steel cable output ends.
- Fast, easy installation: uses Dometics Quick Connect (QC) steering cable.
- Kits include: cable, helm, 90° bezel and hardware.
- Meets A.B.Y.C. standards.
- Meets N.M.M.A. certification requirements.
- Made, designed and assembled in the USA.

SS147 NFB 4.2 Steering Kits (Single Cable)

NFB™ 4.2 MECHANICAL ROTARY STEERING (DUAL) SYSTEM

Patented No FeedBack Steering Helm for about the cost of an old-fashioned steering replacement. With the advantage of 4.2 turns lock-to-lock and our patented No FeedBack steering to lock out steering loads, Dometics' 4.2 Rotary NFB Steering is the ideal system for most non-power-steered boats. This rugged dual cable system is made for applications with engine flutter or steering instability. The helm is a drop-in replacement for current generation Safe-T with no dash modifications required.

APPLICATIONS:

NFB 4.2 dual-cable systems are suitable for most single-station boats with a single non-power-assisted outboard engine up to V-6 in which engine flutter or steering instability is present. 4.2 accepts wheels up to 16" diameter.

Replaces nearly all Dometics' Safe-T® steering systems (including twin cable) without dash modification.

FEATURES:

SAME FEATURES AS SS147 STEERING KITS
- With Added feature of Twin cable system for maximum control.

COMPONENTS:

(1) NFB 4.2 Dual Helm **# 073-49200**
(1) Rotary NFB Bezel (90°) **# 070-27150**
(2) QC Cable **# 078-62XX0**
XX = Length of Cable

OPTIONS FOR SS147 & 148
SEE BELOW FOR TILT STEERING OPTIONS

DESCRIPTION	MFR.NO.	ORDER NO.
NFB 4.2 Single Tilt Dash Module Each Kit Includes Tilt Helm & Tilt Mechanism	SHT91526	153-91526
NFB 4.2 Single Tilt Helm	SH91526P*	073-91526*
NFB 4.2 Dual Tilt Helm	SH91527P*	073-91527*
Sport Tilt Mechanism Cover Style: Flexible Rubber Bellows	SH91800P	073-91800
Sport Plus Tilt Mechanism Cover Style: Solid Round Cover	SH91900P	073-91900
Bezel (20°)	SB27483P	070-27483
Cable Gard (fits most tilt tubes)	SA39329P	069-39329

SERVICE ITEMS

DESCRIPTION	MFR.NO.	ORDER NO.
QC Cable (for most SeaStar Solutions rotary) (Includes #069-27620 Helm Converter)	SSC62XX	078-62XX0
Steering Wheel Hardware Kit	SA27454P	069-27454
Spent Travel Tube (Rotary NFB)	SA38603P	069-38603

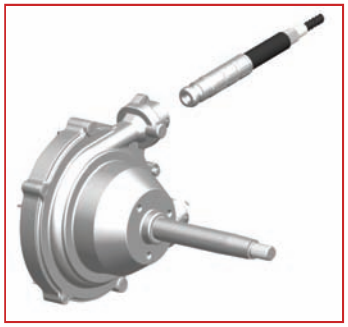
**Requires Tilt Mechanism to complete Tilt Steering system installation.*

For more information see: www.dometic.com

xtreme

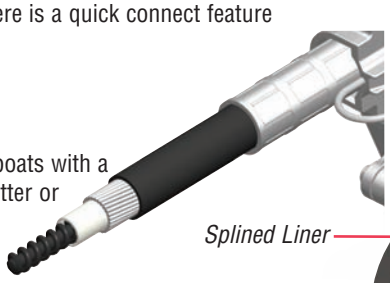
DOMETIC OUTDOOR

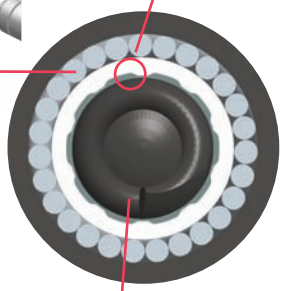
XTREME™ NFB™ MECHANICAL ROTARY STEERING SYSTEM



New Helm - The patent pending helm has a complete new gear train designed to provide smooth feel minimal backlash and low effort at the wheel. It also offers the smoothest NFB clutch release and has a smaller footprint than the current 4.2 helm. All castings are designed to reduce weight while offering superior strength.
New Bezel - New style, patent pending bezel keeping with the design of the SH91900 tilt and hydraulic helm pump designs.

A brand new XTREME™ steering cable was designed specifically for this system.
This cable offers lower backlash and is more efficient than a standard steering cable.
It provides the lowest ease of effort, a close "fit" of the core to liner for lowest lost motion. The concept provides the "tight" fit of core to liner yet allows area for lubrication. The design of the helm allows higher loads to be placed into the cable requiring this new design cable. There is a quick connect feature on both the steering cable and spent travel tube for easy, quick installation.
Cable is designed to fit only XTREME™ Helms.





APPLICATIONS:

XTREME single cable steering systems are suitable for most single-station boats with a single non-power assisted outboard engine up to V6 and minimal engine flutter or steering instability.
XTREME steering accepts steering wheels up to 16" diameter.

Use either the 4.2 NFB dual rotary or Pro Rack dual cable systems for boats with engine flutter or steering instability.

Replaces nearly all Dometics Safe-T steering systems without dash modifications

FEATURES:

- Smoothest and lowest steering effort mechanical helm offered in the market place yet still offers easy installation.
- Complete steering system including new helm, high efficiency XTREME™ steering cable design and new style bezel.
- Quick connect feature on both steering cable and spent travel tube for easy quick installation.
- Installs in same mounting pattern and bracket location as most current Dometics rotary steering systems.
- Smallest footprint possible to accommodate small/tight dash helm stations.
- Made, designed and assembled in the USA.

XTREME™ NFB Steering Kit

XTREME™ TILT NFB Steering Kit

XTREME™ NFB STEERING KIT

DESCRIPTION	MFR.NO.	ORDER NO.
XTREME NFB Steering Kit, 12 ft.	SSX17612	084-17612
XTREME NFB Steering Kit, 13 ft.	SSX17613	084-17613
XTREME NFB Steering Kit, 14 ft.	SSX17614	084-17614
XTREME NFB Steering Kit, 15 ft.	SSX17615	084-17615
XTREME NFB Steering Kit, 16 ft.	SSX17616	084-17616
XTREME NFB Steering Kit, 17 ft.	SSX17617	084-17617
XTREME NFB Steering Kit, 18 ft.	SSX17618	084-17618
XTREME NFB Steering Kit, 19 ft.	SSX17619	084-17619
XTREME NFB Steering Kit, 20 ft.	SSX17620	084-17620
XTREME NFB Steering Kit, 22 ft.	SSX17622	084-17622
XTREME NFB Steering Kit, 24 ft.	SSX17624	084-17624

XTREME™ TILT NFB STEERING KIT

DESCRIPTION	MFR.NO.	ORDER NO.
XTREME Tilt NFB Steering Kit, 12 ft.	SSX17712	084-17712
XTREME Tilt NFB Steering Kit, 13 ft.	SSX17713	084-17713
XTREME Tilt NFB Steering Kit, 14 ft.	SSX17714	084-17714
XTREME Tilt NFB Steering Kit, 15 ft.	SSX17715	084-17715
XTREME Tilt NFB Steering Kit, 16 ft.	SSX17716	084-17716
XTREME Tilt NFB Steering Kit, 17 ft.	SSX17717	084-17717
XTREME Tilt NFB Steering Kit, 18 ft.	SSX17718	084-17718
XTREME Tilt NFB Steering Kit, 19 ft.	SSX17719	084-17719
XTREME Tilt NFB Steering Kit, 20 ft.	SSX17720	084-17720
XTREME Tilt NFB Steering Kit, 22 ft.	SSX17722	084-17722
XTREME Tilt NFB Steering Kit, 24 ft.	SSX17724	084-17724

For more information see: www.dometic.com

DOMETIC OUTDOOR

THE RACK MECHANICAL RACK STEERING SYSTEM:

Traditional Dometics mechanical steering is still the choice for sterndrives, inboards and other power assisted applications. It's just right for power steered boats in which No FeedBack™ systems are not required. Our new Rack features the precision and comfort of four turns lock-to-lock with a cable and helm that install easily from behind the dash. In single cable configurations, this is the best 4-turn choice for power-steered boats.

SS141 BM RACK STEERING KIT (Single Cable)

COMPONENTS:

(1) Back Mount Rack Helm (single/dual)	*# 073-52100*
(1) Back Mount Bezel (90°)	*# 070-39526*
(1) Back Mount Rack Single Cable	*# 078-134XX*

XX = Length of Cable

Steering Kit (w/90° Bezel)

Length	ORDER NO.	Length	ORDER NO.
8'	081-14108	14'	081-14114
9'	081-14109	15'	081-14115
10'	081-14110	16'	081-14116
11'	081-14111	17'	081-14117
12'	081-14112	18'	081-14118
13'	081-14113	19'	081-14119
		20'	081-14120
		22'	081-14122

SSC135XX BM Dual Cable

Sport Tilt SH91800

Sport Tilt Plus SH91900

DISCLAIMER:

This system is only recommended as replacement for the original system as installed by the boat manufacturer. Dometic always recommends NFB helms for outboard applications.

NFB helms lock out steering loads caused by propeller torque eliminating the driver fatigue normally experienced with a standard helm. Patented Dometicssteering helms are a drop in replacement for Standard Rack Systems.

APPLICATIONS:

Virtually all power-assisted sterndrive and inboard boats with wheels up to 16" diameter.
Back Mount Rack Replaces 1984-date Dometics "The Rack" steering without dash modification.
(Requires use of SSC134XX Back Mount Rack cable.)
For single station use only.
Components are available for dual cable systems, but we recommend No-FeedBack steering for all dual cable steered, non-power-assisted outboards and sterndrives

See the NFB Pro Rack Dual Cable (Page 9) and SeaStar PRO (Page 24) in this catalogue.

FEATURES:

- Precise, easy 4 turns lock-to-lock.
- Kits include: cable, helm, 90° bezel and hardware.
- Standard 3/4" round tapered steering shaft.
- Stainless steel cable output ends.
- Fast, easy installation: back mount design allows quick placement in dash PLUS mounting hardware fits industry-standard Dometics rack holes.
- Meets A.B.Y.C. standards.
- Meets N.M.M.A. certification requirements.
- Made, designed and assembled in the USA.

OPTIONS

DESCRIPTION	MFR.NO.	ORDER NO.
BM Rack Tilt Dash Module Each Kit Includes Tilt Helm & Tilt Mechanism	SHT91610	153-91610
BM Rack Tilt Helm (single/dual)	SH91610P*	073-91610*
Sport Tilt Mechanism Cover Style: Flexible Rubber Bellows	SH91800P	073-91800
Sport Plus Tilt Mechanism Cover Style: Solid Round Cover	SH91900P	073-91900
Dash Wedge Kit (10°)	SB27448P	070-27448
Dash Wedge Kit (20°)	SB27449P	070-27449
Cable Gard (fits most tilt tubes)	SA39329P	069-39329

SERVICE ITEMS

DESCRIPTION	MFR.NO.	ORDER NO.
BM Rack Dual Cables		
Back Mount Rack Dual Cable 12'	SSC13512 †	078-13512†
Back Mount Rack Dual Cable 13'	SSC13513 †	078-13513†
Back Mount Rack Dual Cable 14'	SSC13514 †	078-13514†
Back Mount Rack Dual Cable 15'	SSC13515 †	078-13515†
Back Mount Rack Dual Cable 16'	SSC13516 †	078-13516†
Steering Wheel Hardware Kit	SA27454P	069-27454

**Requires Tilt Mechanism to complete Tilt Steering system installation.*

† For dual rack & pinion steered boats. If steering is NOT power-assisted, upgrading to NFB 4.2 Pro Rack is recommended.

For more information see: www.dometic.com

DOMETIC OUTDOOR

NFB™ MECHANICAL RACK STEERING (Single) SYSTEM:

The easy-to-sell, easy-to-install upgrade to the most popular Rack and Pinion steering system in boating. Dometic has applied its patented No FeedBack technology to the incredible precision of a rack and pinion system, and engineered-in serious advances in steering comfort and control. And — it's a drop-in replacement for "The Rack".

SS151 NFB Rack Steering Kits (Single Cable)

Steering Kit Length	Mfr. No.	ORDER NO.
10'	SS15110	081-15110
11'	SS15111	081-15111
12'	SS15112	081-15112
13'	SS15113	081-15113
14'	SS15114	081-15114
15'	SS15115	081-15115
16'	SS15116	081-15116
17'	SS15117	081-15117
18'	SS15118	081-15118
19'	SS15119	081-15119
20'	SS15120	081-15120

Includes: (1) # 073-52300 Helm, (1) # 070-39544 90° Bezel and (1) # 078-134 xx Cable. Steering wheel not included.

APPLICATIONS:

NFB Rack single-cable systems are suitable for most single-station boats with a single non-power-assisted outboard engine up to V-6 & minimal engine flutter or steering instability. NFB Rack accepts wheels up to 16" diameter. New Back Mount design means easy installation; helm & cable are installed as a unit from behind dash & replace standard rack steering without dash modifications.

FEATURES:

- Patented No FeedBack™ Steering mechanism.
- Precise feel of 4 turns from lock-to-lock.
- Minimal clutch free play.
- Standard 3/4" round tapered steering shaft.
- Stainless steel cable output ends.
- Fast, easy installation; back mount design allows quick placement in dash PLUS mounting hardware fits industry-standard rack holes.
- Kits include: cable, helm, 90° bezel & hardware.
- Meets A.B.Y.C. standards.
- Meets N.M.M.A. certification requirements.
- Made, designed & assembled in the USA.

NFB™ PRO MECHANICAL RACK STEERING (Dual) SYSTEM:

The only Rack and Pinion steering system for the high performance boater. Dometic combines its patented No FeedBack technology with the incredible precision and control of a dual cable rack and pinion system. Now more than ever, NFB means performance! Dometic offers Pro Rack for high performance hulls and motors — boats which have engine flutter, experience instability or simply need that extra margin of control at the helm. It's a drop-in replacement for the "The Rack".

SS152 NFB Rack Steering Kits (Dual Cable)

Steering Kit Length	Mfr. No.	ORDER NO.
12'	SS15212	081-15212
13'	SS15213	081-15213
14'	SS15214	081-15214
15'	SS15215	081-15215
16'	SS15216	081-15216

Includes: (1) # 073-52300 Helm, (1) # 070-39544 90° Bezel and (1) # 078-135 xx Twin Cable. Steering wheel not included.

APPLICATIONS:

NFB Pro Rack systems are suitable for single-station, high performance boats equipped with a single non-power-assisted outboard (up to V-6) in which engine flutter or steering instability is present. NFB Pro Rack accepts wheels up to 16" diameter.

New Back Mount design installs easily and replaces the standard rack steering without dash modifications.

FEATURES:

- Patented No FeedBack™ Steering mechanism.
- Dual cables minimize lost motion in system.
- Precise feel of 4 turns from lock-to-lock.
- Minimal clutch free play.
- Standard 3/4" round tapered steering shaft.
- Stainless steel cable output ends.
- Fast, easy installation; back mount design allows quick placement in dash PLUS mounting hardware fits industry-standard rack holes.
- Kits include: cable, helm, 90° bezel and hardware.
- Meets A.B.Y.C. standards.
- Meets N.M.M.A. certification requirements.
- Made, designed and assembled in the USA.

OPTIONS FOR SS151 & SS152

DESCRIPTION	MFR.NO.	ORDER NO.
NFB Rack Tilt Dash Module (single/dual) Each Kit Includes Tilt Helm & Tilt Mechanism	SHT91630	153-91630
NFB Rack Tilt Helm (single/dual)	SH91630P*	073-91630*
Sport Tilt Mechanism Cover Style: Flexible Rubber Bellows	SH91800P	073-91800
Sport Plus Tilt Mechanism Cover Style: Solid Round Cover	SH91900P	073-91900
Dash Wedge Kit (10°)	SB27448P	070-27448
Dash Wedge Kit (20°)	SB27449P	070-27449
Cable Gard (fits most Tilt tubes)	SA39329P	069-39329
Steering Wheel Hardware Kit (Old #2745417P)	SA27245P	069-27245

**Requires Tilt Mechanism to complete Tilt Steering system installation.* *For more information see: www.dometic.com*

STEERING HELMS/BEZELS

HELM/BEZEL VISUAL IDENTIFICATION GUIDE

DOMETIC OUTDOOR

This is an overview of Dometic ROTARY steering helms likely to be encountered.

NFB™ 4.2

- Two bolts secure QC cable to helm.
- One bolt holds spent travel tube.
- Cast finish helms have No FeedBack™ feature.

Kits:
084-147XX (4.2 Single Cable),

070-27483
20˚ Bezel

070-27150
90˚ Bezel

ROTARY "NON NOFEEDBACK" 4.2 Turn Helm

ORDER NO.	Mfr. No.	Description
073-49510	SH4951P	Single Cable - 4.2 Turn
073-49520	SH4952P	Dual Cable - 4.2 Turn
073-49710	SH4971P	Single Cable - Tilt Helm
073-94952	SH94952P	Dual Cable - Tilt Helm

073-49100
Single Cable

073-49200
Dual Cable

NFB™ SAFE-T II & HPS ROTARY™

- Collet & hitch pin secure QC cable to helm.
- One bolt holds spent travel tube.
- Safe-T II cast finish helm has No FeedBack™ feature; HPS gold-finish helm does not.

Kit:
084-132XX (Safe-T II Single Cable);
HPS Rotary is sold as components only.

073-51500
Safe T II- cast finish

070-27483
20˚ Bezel-Safe T II & HPS

070-27484
90˚ Bezel-HPS

070-27150
90˚ Bezel-Safe T II

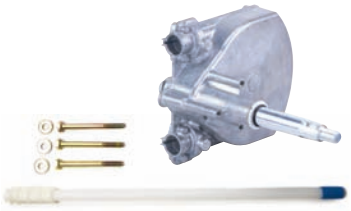
SAFE-T® QC

- Collet & hitch pin secure QC cable to helm.
- Conical plastic nut holds spent travel tube.

Kit:
082-137XX (Safe-T QC Single Cable)
NOTE: The old style helm has a threaded spent travel tube. The 073-5094-1P is a quick connect spent travel tube. Both use the same cable.

070-27484
90˚ Bezel

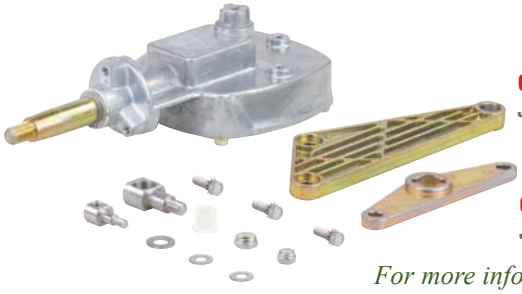
070-27483
20˚ Bezel



073-50940-1

JBS HELMS

Just for Jets! JBS by Dometic means Jet Boat Steering. Designed exclusively for jet boats, JBS features a choice of two steering arcs, a real steering cable (not a control cable) plus an assortment of mounting options for virtually any boat. Nobody knows steering like Dometic!



073-50870
JBS HELM (135° Turning Arc)

073-50880
JBS HELM (270° Turning Arc)

For more information see: www.dometic.com

DOMETIC OUTDOOR

HELM/BEZEL VISUAL IDENTIFICATION GUIDE: Continued

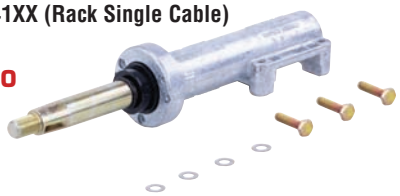
This is an overview of Dometic RACK & PINION steering helms likely to be encountered.

THE RACK™ ("BACK MOUNT" RACK)

- Four bolts and nuts secure cable's rack housing to helm.
- Helm/cable install as unit from back of dash.
- Helm requires current generation rack cables (will not bolt up to older style cables).
- Dual cable has one rack housing with two cables attached. Single helm works on both single and dual cable applications (NFB recommended for non-power assist outboards)
- One bezel is offered; angle to dash is changed by adding wedges.

Kits: 081-141XX (Rack Single Cable)

073-52100



070-27448
10˚ Wedge Kit

070-39526
90˚ Bezel

070-27449
20˚ Wedge Kit

NFB™ RACK & NFB™ PRO RACK™ ("BACK MOUNT" RACK)

- Four bolts and nuts secure cable's rack housing to helm.
- Helm has No FeedBack™ feature.
- Helm/cable install as unit from back of dash.
- Helm requires current generation rack cables (will not bolt up to older style cables).
- Dual cable has one rack housing with two cables attached. Single helm works on both single and dual cable applications.
- One bezel is offered; angle to dash is changed by adding wedges.

Kits: 081-151XX (NFB Rack Single Cable), 081-152XX (NFB Pro Rack Dual Cable).

073-52300

070-27448
10˚ Wedge Kit

070-39544
90˚ Bezel

070-27449
20˚ Wedge Kit

HELM/BEZEL SELECTION GUIDE

NFB™ 4.2 *(See Page 6)* *Packaged System (Single) w/Helm, 90º Bezel & cable **#084-147xx** (xx = Length in ft.) Single	**073-49100**	**073-49200**	Standard: 90º **# 070-27150** Optional: 20º **# 070-27483**	**078-62xx0** xx = Length in feet *(See Page 2)*
NFB™ Safe-T II *(See Page 5)* *Packaged System (Single) w/Helm, 90º Bezel & cable **#084-132xx** (xx = Length in ft.)	**073-51500**	**N/A**	Standard: 90º **# 070-27150** Optional: 20º **# 070-27483**	**078-62xx0** xx = Length in feet *(See Page 2)*
Safe-T® QC *(See Page 4)* *Packaged System (Single) w/Helm, 90º Bezel & cable **#082-137xx** (xx = Length in ft.)	**073-50940-1**		Standard: 90º **# 070-27484** Optional: 20º **# 070-27483**	**078-62xx0** xx = Length in feet *(See Page 2)*
The Rack™ ("Back Mount" Rack) *(See Page 8)* *Packaged System (Single) w/Helm, 90º Bezel & cable **#081-141xx** (xx = Length in ft.)	**073-52100**	**073-52100**	Standard: 90º **# 070-39526** Optional Wedge Kits: 20º **# 070-27449** 10º **# 070-27448**	**078-134xx** - Single Cable **078-135xx** - Dual Cable xx = Length in feet *(See Page 2)*
NFB™ Rack ("Back Mount" Rack) *(See Page 9)* *Packaged System (Single) w/Helm, 90º Bezel & cable **#081-151xx** (xx = Length in ft.) Single **#081-152xx** (xx = Length in ft.) Dual	**073-52300**	**073-52300**	Standard: 90º **# 070-39544** Optional Wedge Kits: 20º **# 070-27449** 10º **# 070-27448**	**078-134xx** - Single Cable **078-135xx** - Dual Cable xx = Length in feet *(See Page 2)*

For more information see: www.dometic.com

TILT STEERING

DOMETIC OUTDOOR

The ultimate in Tilt Steering Technology. Dometics' Tilt Steering delivers unsurpassed performance and flexibility making it the perfect system for all possible applications and boat types.

FEATURES:

- Preloaded dual taper bearings ensure minimal excess free play
- Smooth operation and feel
- Shaft seals prevent water ingress
- 48 degrees of tilt articulation
- 5 positive lock positions
- Up to three style options
- Compact footprint
- Maintenance free
- Fits most styled and formed dashes

Sport Plus Tilt

Sport Tilt

MECHANICAL TILT STEERING

TYPE	COVER STYLE	WHEEL SHAFT	PART NUMBER	ORDER NO.
Sport	Flexible Rubber Bellows	Taper	SH91800*	073-91800
Sport Plus	Solid Round Cover	Taper	SH91900*	073-91900
***Mechanical Tilt mechanism only - select Helm type from list below**				

DESCRIPTION (All Helms require Tilt Mechanism as shown above)	PART NUMBER	ORDER NO.
Safe T QC Tilt Helm	SH91523-1P	073-91523-1
Safe T II (NFB) Tilt Helm	SH91190P	073-91190
4.2 (NFB) Tilt Helm	SH91526P	073-91526
4.2 (NFB) - Dual Cable Tilt Helm	SH91527P	073-91527
Rack Tilt Helm	SH91610P	073-91610
Rack (NFB) Tilt Helm	SH91630P	073-91630
Pro Rack (NFB) Tilt Helm (Dual Cables)	SH91630P	073-91630
Jet Boat Tilt Helm (135° tilt) - Tilt Mechanism Included	SH91691P	073-91691
Jet Boat Tilt Helm (270° tilt) - Tilt Mechanism Included	SH91692	073-91692

SPORT PLUS TILT ANGLES

DASH TILT MODULE KITS

Dash Module Kits include Tilt Helm, Tilt Mechanism (Sport), mounting hardware & instructions.

Classic Tilt (Hydraulic only)

COVER TYPE	PART NUMBER	ORDER NO.
NFB Safe-T II	SHT91190	153-91190
Safe-T QC Single	SHT91523	153-91523
NFB 4.2 Single	SHT91526	153-91526
BM Rack	SHT91610	153-91610
NFB Rack	SHT91630	153-91630

HYDRAULIC TILT STEERING (All hydraulic tilt kits have stainless steel shafts)

COVER TYPE	DISPLACEMENT	PRO*	WHEEL SHAFT	PART NUMBER	ORDER NO.
Sport	1.4	No	Taper	HH4315-3	038-43150-3
Sport	1.7	Yes	Taper	HH6189-3	038-61890-3
Sport	1.7	No	Taper	HH6191-3	038-61910-3
Sport	2.0	No	Taper	HH6145-3	038-61450-3
Sport	2.0	Yes	Taper	HH6190-3	038-61900-3
Sport	2.4	No	Taper	HH6192-3	038-61920-3
Sport Plus	1.7	No	Taper	HH6491-3	038-64910-3
Classic	1.7	No	Taper	HH6541-3	038-65410-3
Classic	2.4	No	Taper	HH6542-3	038-65420-3
Classic	2.0	Yes	Taper	HH6574-3	038-65740-3

**Pro Helms have a patented lock valve system designed for high torque single outboard applications.*

CLASSIC TILT ANGLES

For more information see: www.dometic.com

DOMETIC OUTDOOR

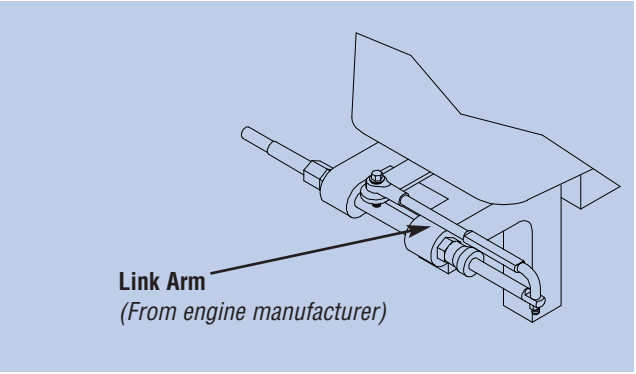
TILT TUBE MOUNT

This is the most popular steering cable-to-engine connection method for outboards with an ABYC standard tilt tube. This installation requires the use of a link arm which can be purchased from the engine manufacturer.

PARTS REQUIRED: **We recommend using the engine manufacturer's link arm.**

NOTE: In salt or brackish water only use Stainless Steel kit

See Steering Components Page 14 and 15



TRANSOM SUPPORT MOUNT

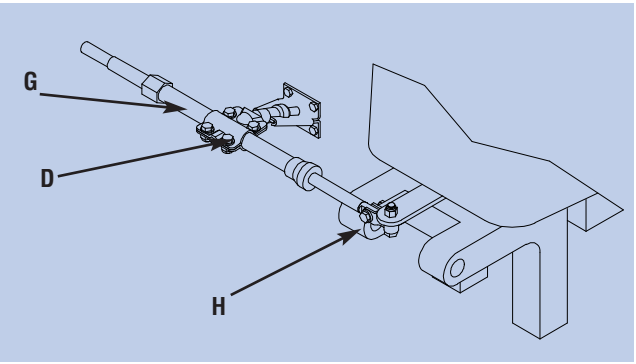
This cable connection is used for older model outboards without tilt tubes, low HP outboards or applications where transom design interferes with standard tilt mounting.

PARTS REQUIRED: **D, G & H**
Master Kits: **Include D, G & H**

069-27256 **Master Kit - Corrosion Resistant**
069-27255 **Master Kit - Stainless Steel**

NOTE: In salt or brackish water only use Stainless Steel kit

See Steering Components Page 14 and 15



SPLASHWELL MOUNT

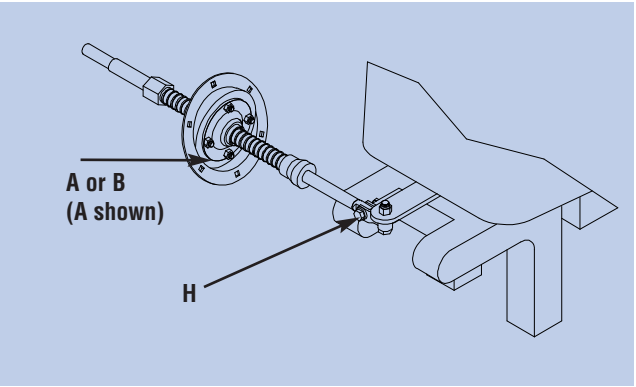
This cable connection is used on boats where standard tilt tube or transom support mounting methods are pre-cluded by a splashwell box or lack of engine tilt tube. The mounting surface is usually near perpendicular to the transom and between 12 and 16 inches from the centre line of the boat and/or tiller (25-33" Total Slashwell Width).

PARTS REQUIRED:
90° Splashwell Mounting - B, H
ORDER NO. 069-27254

15° Splashwell Mounting - A, H
ORDER NO. 069-27253

NOTE: Not for thru hull applications.

See Steering Components Page 14 and 15



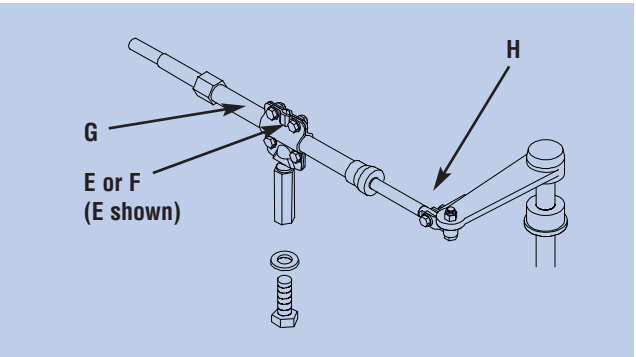
INBOARD STRINGER SUPPORT MOUNT

This cable connection is used on inboards and is attached to a stringer or suitable mounting bracket below deck. The cable is perpendicular to the centered tiller and in half stroke for proper operation. An additional bracket may be needed to support the ball post. Available in heavy duty “Ski Boat” versions with either long (4.5") or short (2.25") post standoff to centre of support tube.

PARTS REQUIRED: **E, G, H (long post) or**
F, G, H (short post)

For Ski Boat Clamp Block Kit, purchase E or F and G & H separately.

See Steering Components Page 14 and 15



For more information see: www.dometic.com

MECHANICAL STEERING CONNECTION KITS

DOMETIC OUTDOOR

NOTE: Parts shown on this page are available in kit form ONLY.

A. SPLASHWELL MOUNT KIT
15˚ Corrosion Resistant
ORDER NO. 069-27253
NOTE:
OUTER RING NOT SOLD SEPARATELY

BOOT ONLY:
ORDER NO. 069-37868

B. SPLASHWELL MOUNT KIT
90˚ Corrosion Resistant
ORDER NO. 069-27254

BOOT ONLY:
ORDER NO. 069-37868

C. SPLASHWELL THREADED TUBE W/BALL
Corrosion Resistant
ORDER NO. 069-36316

BOOT ONLY:
ORDER NO. 069-37868

D. CLAMP BLOCK - OUTBOARD
Stainless Steel
ORDER NO. 069-27149*

Corrosion Resistant
ORDER NO. 069-27055

**Using stainless steel in salt or brackish water is recommended*

E. CLAMP BLOCK - SKI BOAT INBOARD
4-1/2" Stand-Off
ORDER NO. 069-27579

(Heavy Duty with Black Metal Flake Finish)

F. CLAMP BLOCK - SKI BOAT INBOARD
2-1/4" Stand-Off
ORDER NO. 069-27578

(Heavy Duty with Black Metal Flake Finish)

G. SUPPORT TUBE
Aluminum
ORDER NO. 069-27274

Stainless Steel
ORDER NO. 069-27275*

**Using stainless steel in salt or brackish water is recommended*

H. CLEVIS KIT - STAINLESS STEEL
With Short Bolt
ORDER NO. 069-27314

With Long Bolt
ORDER NO. 069-27329

NOTE:
069-27313 Bushing should be ordered with 069-27329.

CLEVIS KIT - SKI BOAT (STAINLESS STEEL)

With Short Bolt
ORDER NO. 069-27576

With Long Bolt
ORDER NO. 069-27577

I. ROD END KIT - 1/2-20 THD.
Steel SA27276P
ORDER NO. 069-27276

Stainless Steel SA27277P
ORDER NO. 069-27277

J. BUSHING KIT - INBOARD TILLER ARM
ORDER NO. 069-27313

For more information see: www.dometic.com

DOMETIC OUTDOOR

NOTE: Parts shown on this page are available in kit form ONLY.

K. SPENT TRAVEL TUBES FOR ROTARY HELMS

SAFE-T QC/ SAFE-T "TS"/ BIG-T Helms
ORDER NO. 069-35680

NFB 4.2 / NFB SAFE-T II / HPS Rotary Helms
ORDER NO. 069-38603

L. UNIVERSAL TIE BAR KIT

Maximum length: 25-1/2"
ORDER NO. 069-27252

M. CABLE GARD

For Most Outboards with Tilt Tube.
Helps to keep the tilt tube clean.
ORDER NO. 069-39329

N. STEERING WHEEL HARDWARE KIT

For All Dometic Mechanical Helms with standard marine round 3/4" Tapered Shaft.
ORDER NO. 069-27454

O. QC II HELM CONVERTER

For Helms with Threaded Spigots.
ORDER NO. 069-27620

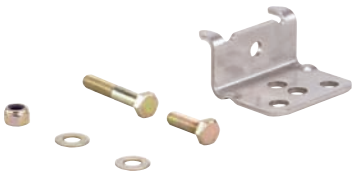
Upgrades older Dometic rotary helms to Quick-Connect cable interface, allowing use of SSC61/SSC62 QC cables.

P. HITCH PIN & TAG FOR QUICK CONNECT HELM AND QC II HELM CONVERTER

Replacement hitch pin for all Dometic helms with the Quick Connect cable attachment port and for all SeaStar Solutions # 069-27620 QC II Helm Converters.
ORDER NO. 069-27245

ADAPTER BRACKET

For Johnson/Evinrude 40 HP and under (not pictured)
ORDER NO. 300-61200



See also Dometic outboard clamp block kits on preceding pages.

ADAPTER PLATE KIT

for Honda and Mercury

Adapter Kit for Honda
ORDER NO. 039-50280

Adapter Kit for Mercury
ORDER NO. 039-50350

HOOKUP, INBOARD TRANSOM MOUNT

For Volvo, 1977 and earlier.
ORDER NO. 300-61400

HOOKUP, INBOARD STAND-OFF

300-61700 Shown

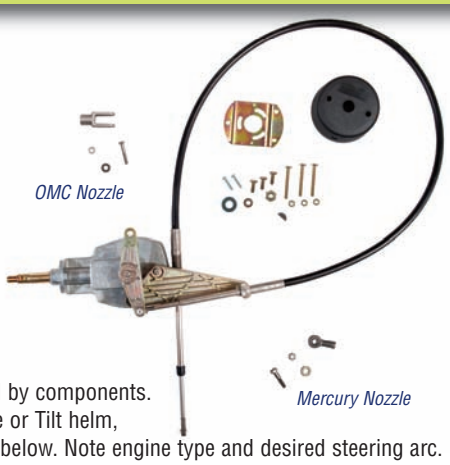
Short Bracket 2" (Stainless Steel)
ORDER NO. 307-04600

See also Dometic ski boat inboard clamp block kits on preceding pages.

For more information see: www.dometic.com

JET BOAT STEERING/LINK ARMS

JBS JET BOAT MECHANICAL STEERING SYSTEM:



COMPLETE SYSTEM

This steering system is sold by components. Select helm, bezel and cable or Tilt helm, and cable from items listed below. Note engine type and desired steering arc.

COMPONENTS

DESCRIPTION	MFR.NO.	ORDER NO.
JBS Helm (135° turning arc)	SH5087P or	073-50870
JBS Helm (270° turning arc)	SH5088P	073-50880
JBS Steering Cable 12'	SSC21912	078-21912
JBS Steering Cable 13'	SSC21913	078-21913
JBS Steering Cable 14'	SSC21914	078-21914
JBS Steering Cable 15'	SSC21915	078-21915
JBS Steering Cable 16'	SSC21916	078-21916
JBS Steering Cable 17'	SSC21917	078-21917
JBS Steering Cable 18'	SSC21918	078-21918
JBS Steering Cable 20'	SSC21920	078-21920
JBS Bezel & Mounting Hardware Kit	SB39452P	070-39452
Nozzle Connection Kit (Mercury)	SA27591P or	069-27591
Nozzle Connection Kit (OMC)	SA27590P	069-27590

OPTIONS

JBS Tilt Steering Helm (135° arc)	SH91691P*	073-91691*
JBS Tilt Steering Helm (270° arc)	SH91692P*	073-91692*

**Sport Tilt mechanism included.*

SERVICE ITEM

Steering Wheel Hardware Kit	SA27454P	069-27454

DOMETIC OUTDOOR

Just for Jets! JBS™ by Dometic means Jet Boat Steering! Designed exclusively for jet boats, JBS features a choice of two steering arcs, a special steering cable (not a control cable) plus an assortment of mounting options for virtually any boat! Nobody knows steering like Dometic!

APPLICATIONS:

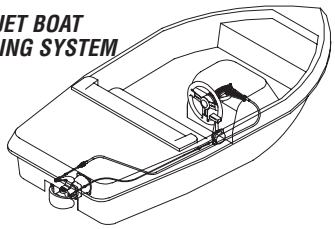
Dometic JBS is recommended for use in all jet boat applications powered by Mercury® Sport Jet or OMC® Turbo Jet drives up to 175 HP.

FEATURES:

- Ultra-compact helm with stylish 4.4" bezel is easy to install and very rugged.
- 135° or 270° turning arc lock-to-lock.
- Uses a special steering cable. Note: SSC219XX replaces SSC229XX cables.
- 90° dash mount. (Tilt Steering option available!)
- 90° or 180° cable entry into helm allows alternate cable routing. (Looking at dash, options are 9:00, 12:00 or 3:00 routing positions.)
- Built-in steering stops prevent additional cable stress in hard over positions.
- Standard 3/4" round tapered steering shaft, 3.5" total allowable cable travel.
- Mercury® & OMC® nozzle/gate connection kits.
- Stainless steel cable output ends.
- Meets A.B.Y.C./N.M.M.A. requirements.
- Made, designed and assembled in the USA.

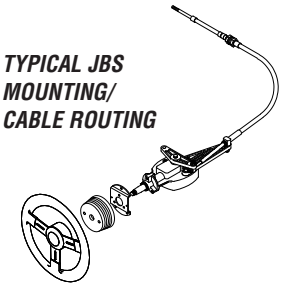
If you are replacing a jet boat steering cable, you must determine the part number of the existing steering cable. SSC219 cables are ONLY for JBS systems shown on this page. **Measurement is length from tip to tip.** Use only genuine Dometic replacement hardware specifically designed for this product. Do not substitute other parts.

JBS - JET BOAT STEERING SYSTEM



For more information see: www.dometic.com

TYPICAL JBS MOUNTING/ CABLE ROUTING



(Steering Wheel not included)

LINK ARM KITS/Steering

T&R Marine Corporation

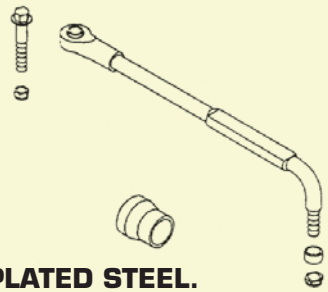
STAINLESS STEEL

DESCRIPTION	MFR.NO.	ORDER NO.
Complete with adjustable ball joint and nylon lock nuts to insure vibration proof locking.		
Johnson-Evinrude-Mercury Up to 100 HP, 1972 & Newer, 3/8" Diameter	SLA-9000	098-09000
Complete with adjustable ball joint for centering engine, A castle nut and cotter pin prevent vibration from loosening the nut on steering rod.		
Johnson-Evinrude V-4 & V-6, 1/2" Diameter	SLA-9501	098-09501
Mercury Black Max 1980 & Newer, Mariner V-6 1980 & Newer 1/2" Diameter	SLA-9725	098-09725

098-09000

098-09501

098-09725



PLATED STEEL. JOHNSON-EVINRUDE
70 & 140 HP Engines, 1977-1984
(Includes BOOT)

Mfr.No. SA27361P
ORDER NO. 069-27361

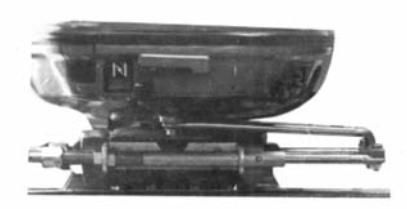
For more information see: www.trmarine.com

STEERING CONNECTION KITS

Steering Link Arm not included in these kits

DUAL CABLE KIT *for cables installed down same side of boat (port or starboard). Steering tube is provided with grease fitting and o-ring. All parts provided for simple hook up. Stainless steel and aluminum makes these kits corrosion resistant.*

For use with engine manufacturer's steering arm.



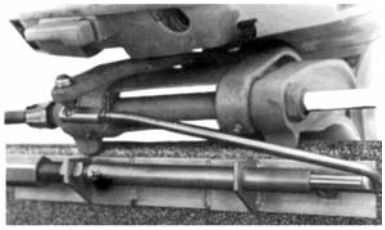
Yamaha 115-220 HP 1984 and newer
ORDER NO. 098-03792
Johnson-Evinrude 70-235HP, 1977 thru 1988 except 225HP
ORDER NO. 098-03794
Johnson-Evinrude V-4 and V-6 1989 and newer except "Fastrak"
ORDER NO. 098-03789
Johnson/Evinrude "Fastrak" mid section, 3 cylinder thru V-6 1991 & newer, except 88 HP and 112 HP.
ORDER NO. 098-03799

Mercury 1980 and newer Black Max
Mariner 1980 and newer
Fits all Mercury-Mariner 2.4
Suzuki 150-150SS-200 HP 1986 and newer
Suzuki 115-140 HP 1987 & newer
ORDER NO. 098-03798

MOUNTING KITS

FRONT MOUNT KIT

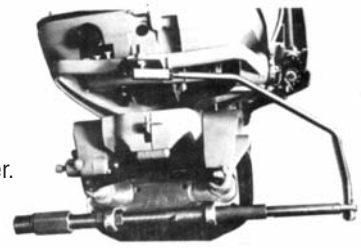
Johnson-Evinrude up to 140 HP
ORDER NO. 098-03470



For use when obstructions prevent thru tube installation. Fits over motor mounting bolts. All parts furnished for simple hook up. Constructed of aluminum brackets for freshwater and plated steel hardware.

CLAMP MOUNT KIT

Mariner 9.9,15 HP, 1982 and newer.
Suzuki 9.9,15, 16,25 HP, 1982 and newer.
Johnson/Evinrude 9.9,15,25,30,40 HP, 1977 & newer.
Yamaha 9.9,15 HP, 1984 and newer
ORDER NO. 098-03475



This kit fits under engine clamps and is designed to prevent motor from jumping off transom. Also prevents damage to the transom by the clamps. All parts furnished for simple hook up. Constructed of aluminum and plated steel.

For use with PUSH-PULL Cable
ORDER NO. 098-00210

INBOARD STEERING MOUNT

Holds the steering cable at the rudder. Steering tube is provided with grease fitting and o-ring. All parts furnished for simple hook up. Stainless steel and aluminum makes this kit corrosion resistant.

For more information see: www.trmarine.com

DOMETIC OUTDOOR

XTREME POWER ASSIST

NEW!

EXPERIENCE SMOOTH HANDLING WITH YOUR CURRENT MECHANICAL STEERING SYSTEM

The Xtreme Power Assist Steering is engineered to bring the smooth, easy control of electric power-assisted steering to a wide range of popular boats, including pontoons, runabouts, RIBS, aluminum fishing boats & center consoles. This is an affordable, easy-to-install solution that offers a more enjoyable driving expereience.

STRONG & DURABLE

This system differs vastly from competitive “electric helm” systems on the market, because it does not increase the load on the mechanical steering helm or cable. Once this system is installed, the mechanical steering cable now only turns the power assist unit, while the electric steering actuator actually turns the engine load. This ensures reliable long-term performance in real-world, on-the-water conditions.

KEY BENEFITS:

- Significantly reduced steering effort provides a car-like driving experience for mechanically steered boats
- Engineered to fit a wide range of single engine, mechanically steered outboard boats from 90-200HP.
- Integrates with any existing Dometic rack or rotary cable steering system, so there is no need to install new steering to take advantage of this new technology
- Designed as a self-contained, plug-and-play system which easily mounts to all major outboard brands and integrates with the boat’s existing mechanical steering in less than 30 minutes
- Built in Fail-safe System automatically reverts to mechanical steering in the event of a system failure

Mfr No. XPA1012P

ORDER NO. 085-10120

For more information see: www.dometic.com

DOMETIC OUTDOOR

IntelliSteer® WIRELESS STEERING

NEW!

Boat steering has never been so easy!

Intellisteer™ supports boats with or without existing autopilot systems, outboard motors, hydraulic steering, and cable steering. Whatever your remote steering needs, Intellisteer™ has the right steering kit for you.

Top features of Intellisteer

- Wireless receiver module plus wireless handheld pendant – steering in the palm of your hand
- Up to two pendants can be used
- Steer and fish from anywhere on the boat
- Designed for pushbutton control
- Easy DIY installation – no need for a professional installer
- 2-year limited warranty – purchase with confidence

TYPE A - FOR BOATS WITH AN EXISTING AUTOPILOT

- No need for additional drive units. The Intellisteer Wireless Controller is designed to be wired between a Course Computer and Autopilot Drive
- When the Intellisteer Wireless Controller is activated it will disconnect the autopilot and provide wireless jog steering control from anywhere on the boat
- When the Intellisteer Wireless Controller is turned off, the Autopilot will function as before

ORDER NO. 888-63355
Mfr. No. INTTYPEA

TYPE H - FOR BOATS WITH HYDRAULIC STEERING

- Connects to any hydraulic steering system
- Rugged Octopus hydraulic pump
- Adds pushbutton steering to your hydraulic steering
- Current **3-6A Typical, 15A Peak**
- Includes all hoses and fittings

ORDER NO. 888-63362
Mfr. No. INTTYPEH

TYPE S/T - FOR CABLE STEERED BOATS WITH A DASH MOUNTED WHEEL

- Replaces existing helm
- Electronic clutch disengages for manual steering
- Rotary drive system
- Fits behind dash
- **Type S for straight shaft helms, Type T for helms with tilt function**
- Safety override technology
- Current **1.25A Typical, 5A Peak**

ORDER NO. 888-63386
Mfr. No. INTTYPES
Type S for straight shaft helms

ORDER NO. 888-63393
Mfr. No. INTTYPET
Type T for helms with tilt function

TYPE R - FOR CABLE STEERED BOATS WITH AUXILIARY OUTBOARDS

- Drive connects to kicker
- Electronic clutch disengages for manual steering
- Rotary drive system
- Safety override technology
- Current **1.25A typical, 5A peak**
- 6 ft steering cable for connecting drive unit included
- Requires outboard link arm assembly

ORDER NO. 888-63379
Mfr. No. INTTYPER

ACCESSORIES FOR INTELLISTEER

888-33894 & 888-33788

ORDER NO.	Mfr. No.	Description
888-33894	OC15SUK31A	Link Arm, Merc 9.9hp 4 Str, Starboard
888-33900	OC15SUK31B	Link Arm, Merc 9.9hp 4 Str, Port
888-33764	OC15SUK16	Spacer Kit, Use with 90˚ Bezel
888-33788	OC15SUK18	Spacer Kit, Use with Teleflex Performance Tilt (Type T)

OCTOPUS® AUTOPILOT DRIVE SYSTEMS

888-63348

ORDER NO.	Mfr. No.	Description
888-55534	OCTOIL1USG	Hydraulic Steering Fluid, US Gallon, (3.78L).
888-55541	OCTOIL1USQ	Hydraulic Steering Fluid, US Quart, 946ml
888-63348	INTREMOTE	Remote, Intellisteer

For more information see: www.www.intellisteer.com

HYDRAULIC OUTBOARD STEERING

DOMETIC OUTDOOR

COMPLETE SYSTEMS

DESCRIPTION	MFR.NO.	ORDER NO.
BayStar Steering Kit (20' tubing run)	HK4200A-3	034-42000-3
BayStar Steering Kit **(Without Tubing)**	HK4300A-3	034-43000-3
BayStar Plus Steering Kit **(Without Tubing)**	HK4500A-3	034-45000-3

COMPONENTS

DESCRIPTION	MFR.NO.	ORDER NO.
BayStar 1.4 Front Mount Helm	HH4314-3	038-43140-3
BayStar Plus 1.4 Front Mount Helm	HH4514-3	038-45140-3
BayStar Compact Cylinder	HC4645-3	036-46450-3
BayStar Compact Cylinder	HC4647-3	036-46470-3
BayStar Compact Cylinder	HC4648-3	036-46480-3
BayStar Compact Cylinder	HC4658-3	036-46580-3
HK4200 Tubing (2 x 20' lengths)	HT4420H	039-44250
HK4230 Tubing (2 x 30' lengths)	HT4430H	041-44300
SeaStar Oil (1 Quart)	HA5430	033-54300 (x2)
BayStar Filler Kit	HA5438	033-54380

OPTIONS

DESCRIPTION	MFR.NO.	ORDER NO.
Baystar 1.1 - Front Mount Helm	HH4311-3	038-43110-3
BayStar 1.4 - Sport Tilt Helm	HH4315-3	038-43150-3

SERVICE ITEMS

DESCRIPTION	MFR.NO.	ORDER NO.
SeaStar Oil (1 Gallon)	HA5440	033-54400
Helm Service Kit Comes with wheel shaft nut, key, shaft seal & seal plate	HP6032	037-60320
Hydraulic Steering Bleed Fitting Kit. NPT, 2 fittings per kit.	HF4202	037-42020
Hydraulic Steering Bleed Fitting Kit. ORB, 2 fittings per kit.	HF4203	037-42030
Seal Kit. with Glands, NPT	HP4600	037-46000
Seal Kit. with Glands, ORB	HP4601	037-46010

BAYSTAR HYDRAULIC STEERING COMPACT CYLINDER SYSTEM

With mechanical steering you sacrifice a degree of comfort, and traditional hydraulic systems may be more than is needed on lower horsepower outboard engines. Built in the tradition of SeaStar, BayStar brings the same efficiency and durability you would expect from Dometic Hydraulic steering to smaller outboards up to 150 HP. Compact form and affordable price make it an ideal upgrade for mechanically steered boats up to 150 total HP.

APPLICATIONS:

BayStar is for single-outboard powered boats rated up to 150 HP, including runabouts and inflatables — and outboard engines with ABYC standard engine tilt tubes up to 150 HP (total).
For single station, single engine use only. BayStar is not intended for high speed, high performance type boats, such as Bass Boats.

FEATURES:

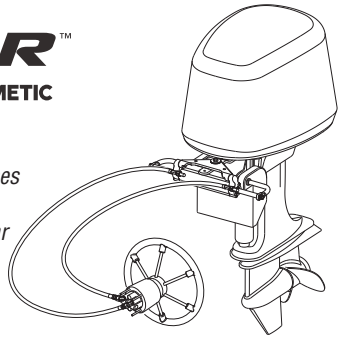
- Designed just for smaller outboards.
- Low friction hydraulic steering system.
- 5 turns from lock-to-lock.
- Balanced cylinder, featuring a compact design that fits most splashwells and provides full engine movement.
- Optional five position tilt helm available.
- Compact helm has only a 5" footprint; needs only 3" dash hole (standard or Tilt).
- Packaged complete with helm, cylinder, fittings, tubing, oil, fill kit and detailed instructions.
- Standard 3/4" tapered steering shaft.
- Fast, easy installation.
- Meets A.B.Y.C. standards • Meets N.M.M.A. certification requirements.

BAYSTAR™ BY DOMETIC

BAYSTAR OUTBOARD STEERING SYSTEM

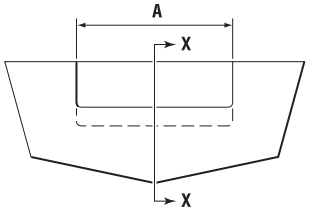
NOTE: SeaStar Outboard Steering hoses (Part No. HO51xx) can be used to plumb a BayStar Steering Systems

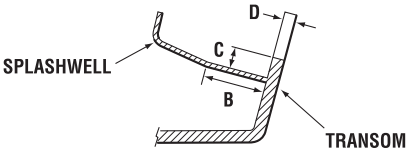
See Page 39



SPLASHWELL SIZE REQUIREMENTS

CYL. MODEL NO.	NO. OF ENG.	A	B	C	MIN. ENG. CENTRE DIST	TWIN ENG. APPL.
HC4645 / 47/ 48 / 58	1	21" / 534 mm	6" / 153 mm	5" / 127 mm	N/A	N/A





For more information see: www.dometic.com

NOTES:

1. *Ensure there is no interference between the BayStar cylinder rod and the splashwell boot or engine controls & cables.*
2. *Dimensional restrictions also apply to external motor mount brackets.*
3. *Ensure dimension "A" can be maintained at 32" (813mm) throughout the full trim/tilt range.*
4. *Maximum allowable transom thickness for BayStar cylinders is 3" (76mm).*
5. *Engines less than 70 HP may require up to 1" (25mm) of additional splashwell clearance.*

DOMETIC OUTDOOR

BAYSTAR™ BY DOMETIC

BAYSTAR SINGLE ENGINE APPLICATION GUIDE
(BAYSTAR SINGLE ENGINE HC4645H/47H/48H/58H)

ENGINE MAKER BRAND	YEAR	MODEL	CYLINDER PART NUMBER	NOTES
HONDA	1992 TO DATE	30-90 HP	036-46450-3	
	1998 TO DATE	115-130 HP	036-46470-3*	
	2001 TO DATE	150 HP	036-46450-3	*See Note 5*
	2003 TO DATE	BF135 HP	036-46450-3	
JOHNSON EVINRUDE *Note: Johnson 115 HP 2-Stroke engines, require the cylinder pivot to be flipped. See Note 4 below*	1991 TO DATE	40-150 HP	036-46450-3	
	1997 TO DATE	115 HP Ficht	036-46580-3	*See Note 4*
	1997 TO DATE	75-150 HP Ficht	036-46450-3	*See Note 5*
	1998 TO DATE	40-140 HP 4-Stroke	036-46580-3	*See Note 1, 4*
MERCURY MARINER	1984 TO DATE	75-150 HP	036-46450-3	*See Note 5*
	1998 TO DATE	40-60 HP	036-46480-3	*See Note 1*
NISSAN	1990 TO DATE	120-140 HP	036-46450-3	
SUZUKI	1986 TO DATE	150 HP	036-46450-3	*See Note 5*
	1996 ONLY	115-140 HP	N/A	
	1987 TO 2002	115-140 HP	036-46450-3	*See Note 1*
	1990 TO 2000	90-100 HP	036-46450-3	
	1998 TO DATE	40-70 HP 4-Stroke	036-46450-3	*See Note 1*
	2001 TO DATE	115-140 HP 4-Stroke	036-46580-3	*See Note 1, 4*
TOHATSU	1990 TO DATE	40–140 HP	036-46450-3	
YAMAHA	1998 TO DATE	40-50 HP	036-46450-3	*See Note 2*
	1998 TO DATE	60 HP	036-46450-3	*See Note 3*
	1986 TO DATE	70-90 HP	036-46450-3	*See Note 1*
	1997 TO DATE	80-150 HP 4-Stroke	036-46450-3	
	2000 TO DATE	25 & 70 HP 4-Stroke	036-46480-3*	*See Note 1*
	2010 TO DATE	115A & B	036-46480-3*	

NOTES:

1. *Requires Spacer Kit **Part No. 039-50900.***
2. *Engine clamp brackets must be cut or ground, and the engine through bolted onto the transom, or interference will occur, restricting engine trim and tilt.*
3. *Steering hook Yamaha Part No. 63D-48511-00-4D must be installed.*
4. *Cylinder **Part No. 036-46450-3** may be used in these applications. The pivot plate will need to be flipped before installation. Instructions provided with Owner's Manual.*
5. *High performance 150HP engines should use SeaStar.*

*BAYSTAR CYLINDER PIVOT PLATES

036-46450-3 compact cylinder is included in the BayStar steering kits. This cylinder can be converted to **# 036-46580-3** by following instructions included with the product. If your engine requires use of a cylinder other than **# 036-46450-3 or # 036-46580**, please refer to the figure below for the appropriate replacement pivot plate, which must be purchased separately.

NOTE: Read and understand all related product instructions before performing any work on a hydraulic steering system.

ORDER NO. 033-46410
(Install onto # 036-46450-3 to make # 036-46470)

ORDER NO. 033-46420
(Install onto # 036-46450-3 to make # 036-46480)

SEASTAR™ BY DOMETIC

DOMETIC OUTDOOR

Hoses extra

SEASTAR STEERING (FRONT MOUNT PIVOT CYLINDER) SYSTEM:

Unmatched comfort and control. Only with SeaStar steering.
The world's most popular outboard hydraulic system offers smooth, superefficient steering for today's high performance hulls with single or multiple outboards up to 700 HP combined.
It's the OEM Choice for centre consoles, cruisers and more.

APPLICATIONS:

Single and dual non-power-assisted outboard engines up to 350 HP (700 combined HP for counter-rotating duals) that have ABYC standard engine tilt tube.
Ideal for cruisers, runabouts, centre console boats, offshore fishing boats and many more. Suitable for speeds up to 60 MPH and dual station use (with purchase of extra helm, hose & fittings). Allows independent engine tilt in dual engine installations. Dual engines require purchase of a tie bar Kit and extra hardware.

FEATURES:

- Patented steering lock valves.
- Low friction hydraulic steering system.
- 5 turns from lockTO-lock (single cylinder) when using 1.7 helms.
- Compact helm has only a 4-7/16" footprint; needs only 3" dash hole (Tilt requires larger dash cut out).
- Packaged complete with helm, cylinder, fittings, oil, bleeder Kit and detailed instructions.
- Standard 3/4" tapered steering shaft.
- Fast, easy installation.
- Meets A.B.Y.C. standards.
- Meets N.M.M.A. certification requirements.

**Helms dated 2008-Earlier use HA5417*
***The Commercial Helm Pumps are designed with a stainless steel shaft and a better sealing top plate for use in extreme conditions and/or commercial applications.*

COMPLETE SYSTEMS

DESCRIPTION	MFR.NO.	ORDER NO.
SeaStar 1.7 Steering Kit - NO HOSES	HK6400A-3	034-64000-3
SeaStar TILT Steering Kit - CLASSIC	HK6400TC-3	034-64000-TC-3
SeaStar TILT Steering Kit - SPORT	HK6400TS-3	034-64000-TS-3

COMPONENTS

SeaStar 1.7 - Front Mount Helm	HH5271-3	038-52710-3
Pivot Mount Outboard Cylinder (Black)	HC5345-3	036-53450-3
SeaStar Hose Kit - 2 HOSES *See Page 39*	HO51_ _	039-51XX0 XX - Length in ft.
SeaStar Oil (1 Quart)	HA5430	033-54300 (x2)

OPTIONS

SeaStar 1.7 - Front Mount - COMMERCIAL Helm	HH5217-3	038-52170-3**
SeaStar 1.7 - REAR MOUNT Helm	HH5261-3	038-52610-3
SeaStar 1.7 - SPORT TILT Helm	HH6191-3	038-61910-3
SeaStar 1.7 - CLASSIC TILT Helm	HH6541-3	038-65410-3
SeaStar 1.7 - SPORT PLUS TILT Helm	HH6491-3	038-64910-3
SeaStar 2.4 - Front Mount Helm	HH5272-3	038-52720-3
SeaStar 2.4 - Front Mount - COMMERCIAL Helm	HH5224-3	038-52240-3
SeaStar 2.4 - SPORT TILT Helm	HH6192-3	038-61920-3
SeaStar 2.4 - CLASSIC TILT Helm	HH6542-3	038-65420-3
SeaStar Round Bezel Kit	HA5478*	033-54780*
SeaStar Backplate Kit	HA5418	033-54180
SeaStar 20° Dash Wedge Kit	HA5419	033-54190
SeaStar Bulkhead Hose Kit - 2 Hoses	HO81 _ _	Special Order
SeaStar Twin Engine Tie Bar Kit	HO5 _ _ _	See Appl. Guide
Add-A-Station/Autopilot Fitting Kit	HF6007	037-60070

SERVICE ITEM

Pivot Cylinder Support Bracket Kit	HP6018	Special Order
Pivot Cylinder Support Rod Kit	HP6016	Special Order
Pivot Cylinder Spacer Kit	HP6033	037-60330
Pivot Cylinder elbow hose fitting Kit (for -3 cylinders only)	HF6004	037-60040
Pivot Cylinder mounting hardware Kit	HP6036	037-60360
Pivot Cylinder seal Kit	HS5157	034-51570
Pivot Cylinder Tiller Bushing Kit	HA5820	Special Order

DOMETIC OUTDOOR SEASTAR BY DOMETIC

OUTBOARD STEERING NON-POWER ASSISTED SINGLE & DUAL ENGINE APPLICATION GUIDE

ENGINE MAKER BRAND	YEAR	MODEL	CYLINDER PART	TWIN ENGINE 1- CYLINDER TIE BAR KIT (Complete)	TWIN ENGINE 2- CYLINDER TIE BAR KIT (Complete)	NOTES
FORCE	1985 TO DATE	90-150 HP	036-53450-3			
HONDA	1996 TO DATE	75-90 HP	036-53450-3	039-60010	039-60020	*See Note 3*
	1998 TO 2009	115-130 HP	036-53470-3		-	
	1998 TO DATE	30-50 HP	036-53450-3	039-60010	039-60020	*See Note 2*
	2001 TO DATE	150 HP 4-Stroke	036-53450-3	N/A	039-60020	*See Note 7*
	2001 TO DATE	225-250 HP 4-STROKE	036-54450-3	039-60010	039-60020	
	2003 TO DATE	BF135 HP	036-53450-3	039-60030	039-60020	
	2010 TO DATE	115 HP	036-53450-3	039-60030	039-60020	
JOHNSON EVINRUDE	1977 TO 1990	65-300 HP	036-53480-3	039-60030	039-60020	
	1988 TO 1997	250-300 HP V8	036-53450-3	039-60030	039-60020	*See Note 5*
	1991 TO DATE	40-250 HP	036-53450-3	039-60030	039-60020	*Inc. ETech Engines*
	1996 TO DATE	75-250 HP Ficht	036-53450-3	039-60030	039-60020	
	1998 TO DATE	40-140 HP 4-Stroke	036-53580-3*	039-60030	039-60020	*See Note 2*
	2000 TO DATE	115 HP Ficht	036-53580-3*	039-60030	039-60020	*See Note 2*
	2002 TO DATE	200-225 HP 4-Stroke	036-53450-3	039-60030	039-60020	
	2005 TO DATE	E250 DPX Vindicator	036-53480-3	039-60030	039-60020	
	2007 TO DATE	3.3L/3.4L 200-250HP	036-53480-3	039-60030	039-60020	*Inc. H.O. Models.*
MERCURY MARINER	1984-1994	2.4/2.5 HP EFI	036-53450-3	039-60010	039-60020	*See Note 4*
	1989 TO DATE	75-300 HP	036-53450-3	039-60010	039-60020	*See Note 3*
	1996 TO DATE	75-200 HP 2&4-Stroke	036-53450-3	039-60010	039-60020	
	1998 TO 2003	30-60 HP	036-53450-3	039-60010	039-60020	*See Note 2*
	2002 TO DATE	225 HP 4-Stroke	036-53580-3*	039-60010	039-60020	*See Note 1*
	2004 TO DATE	150-200HP VERADO	036-53450-3	039-60010	039-60020	
	2003 TO DATE	150-200 XS	MUST Use Tournament Cylinders. Contact tech. support for details.			
	2003 TO DATE	250-300 HP XS	*MUST Use Tournament Cylinders.* *Refer to Page 26*			
NISSAN	1990 TO DATE	90-140 HP	036-53450-3	039-60010	039-60020	
SUZUKI	1986 TO DATE	100 HP	036-53450-3	039-60030	039-60020	
	1986 TO 2002	115-140 HP	036-53450-3	039-60010	039-60020	*Not 1996*
	1986 TO DATE	150-300 HP	036-53450-3	039-60030	039-60020	
	1996 ONLY	115-140 HP	036-53480-3	039-60010	039-60020	
	1998 TO DATE	40-140 HP 4-Stroke	036-53580-3*	039-60030	039-60020	*See Note 2*
	2003 TO DATE	90 HP 4-Stroke	036-53580-3*	039-60030	039-60020	*See Note 2*
	2013 TO DATE	DF150 - DF175 HP	036-53450-3	039-60010	039-60020	
YAMAHA	1990-2007	40-90 HP	036-53450-3	039-60030	039-60020	
	1986 TO DATE	100-250 HP 2-Stroke	036-53450-3	039-60010	039-60020	
	2000 TO DATE	150-300 HPDI	036-53450-3	039-60010	039-60020	
	2001-2003	80-250 HP 4-Stroke	036-53580-3*	039-60010	039-60020	*See Note 1*
	2003 TO DATE	F200-F250 3.3L	036-53580-3*	039-60010	039-60020	
	2003 TO DATE	25-70 HP 4-Stroke	036-53480-3	039-60030	039-60020	*See Note 2*
	2007 TO DATE	200-300 HP 4.2L V6 4-Stroke	036-53450-3	039-60010	039-60020	
	2007 TO DATE	F300-F350 HP 5.3V8	*MUST Use Tournament Cylinders.* *Refer to Page 26*			
	2011-2013	F115A	036-53580-3*	039-60030	039-60020	
	2014-DATE	F115B	036-53450-3	039-60030	039-60020	

NOTES:
1. *036-53450-3 is optional for Single Engine ONLY applications. DO NOT use 036-53450-3 for twin engine applications as operational interference may occur.*
2. *Requires One Spacer Kit 039-50900 per engine.*
3. *Minimum Engine Center = 27"*
4. *May Require Extensive Cowling Modifications.*
5. *039-50300 comes without Tie Bar*
6. *One cylinder per engine. Must use Mercury supplied tiller bolt for installation.*
7. *Interference will occur when using a single 036-53450-3 cylinder and 039-60030 tiebar when installed in the aft hole on the steering arm. Options include, a) install tiebar into most forward hole (this will limit steering articulation), b) purchase K-6 Cylinder, and tiebar kit part 039-50090. There will no be no interference when using twin 036-53450-3 cylinders.*

**Optional Pro Cylinder 036-63580-3*

DOMETIC OUTDOOR

SEASTAR PRO BY DOMETIC

SEASTAR PRO STEERING (FRONT MOUNT CYLINDER) SYSTEM:

The ultimate steering for high speed single outboards, SeaStar PRO®, is designed for the high speed and performance of today's top-end bass boats. Recommended for single outboards up to 350 HP (even with jackplates and performance props), SeaStar PRO has steered the BASS Masters Classic® since 1994 and it's the choice of high performance outboard boatbuilders.

APPLICATIONS:

Seastar Pro is for high-performance boats with single non-power-assisted outboards up to 300 HP, especially those capable of speeds over 60 MPH, which demand maximum steering control and comfort. It is suitable for use with high-performance propellers and jack plates.

FEATURES:

- Patented steering lock valves.
- Low friction hydraulic steering system.
- 4.25 turns from lock-to-lock.
- Compact helm has only a 4-7/16" footprint — needs only 3" dash hole (Tilt requires larger hole).
- Optional PRO Cylinders with longer shaft bushings and larger pivot bushings for an even more solid feel!
- Optional hoses with through-bulkhead fittings; multiple helm mounting options
- Factory swaged hoses are Kevlar® reinforced.
- Packaged complete with helm, cylinder, fittings, oil, bleeder kit and detailed instructions.
- Standard 3/4" tapered steering shaft.
- Fast, easy installation.
- Meets A.B.Y.C. standards.
- Meets N.M.M.A. certification requirements.

COMPLETE SYSTEM

DESCRIPTION	MFR.NO.	ORDER NO.
SeaStar Pro Steering System, **Without Hoses**	HK7500A-3	034-75000-3
SeaStar Pro Steering System, 14 ft Pro Hoses	HK7514A-3	034-75140-3
SeaStar Pro Steering System, 16 ft Pro Hoses	HK7516A-3	034-75160-3
SeaStar Pro Steering System, 18 ft Pro Hoses	HK7518A-3	034-75180-3
SeaStar Pro Steering System, 20 ft Pro Hoses	HK7520A-3	034-75200-3
SeaStar Pro Steering System, 22 ft Pro Hoses	HK7522A-3	034-75220-3
SeaStar Pro Steering System, 24 ft Pro Hoses	HK7524A-3	034-75240-3

COMPONENTS

DESCRIPTION	MFR.NO.	ORDER NO.
SeaStar PRO 2.0 - Front Mount Helm	HH5770-3	038-57700-3
Pivot Mount Cylinder - PRO (Black)	HC6345-3	036-63450-3
SeaStar Pro Hose Kit - 2 HOSES *See Page 39*	HO57XX	039-57XX0 **XX - Length in ft.**
SeaStar Oil (1 Quart)	HA5430	033-54300 **(x2)**

OPTIONS

DESCRIPTION	MFR.NO.	ORDER NO.
SeaStar PRO 1.7 - Front Mount Helm	HH5779-3	038-57790-3
SeaStar PRO 2.0 - SPORT TILT Helm	HH6190-3	038-61900-3
SeaStar PRO 2.0 - CLASSIC TILT Helm	HH6574-3	038-65740-3
SeaStar PRO 2.4 - Front Mount Helm	HH5772-3	038-57720-3
Pro Power Assist	PA1315-2	034-13150
Pivot Mount Cylinder - PRO (Black)	HC6345-3	036-63450-3
SeaStar Round Bezel Kit	HA5478	033-54780
SeaStar Backplate Kit	HA5418	033-54180
SeaStar 20° Dash Wedge Kit	HA5419	033-54190
Pro Bulkhead Hose Kit - 2 Hoses	HO82XX	**Special Order**

SERVICE ITEM

DESCRIPTION	MFR.NO.	ORDER NO.
SeaStar Oil (1 Gallon)	HA5440	033-54400
Helm Service Kit Comes with wheel shaft nut, key, shaft seal & seal plate	HP6032	037-60320

DOMETIC OUTDOOR

SEASTAR PRO BY DOMETIC

PREMIUM OUTBOARD STEERING FRONT MOUNT CYLINDER

SEASTAR PRO APPLICATION GUIDE

ENGINE MAKER BRAND	YEAR	MODEL	CYLINDER PART NUMBER	NOTES
HONDA	1996 TO DATE	150-300 HP	036-63450-3	Not available for BF series engines.
JOHNSON/EVINRUDE	1977 TO 1990 2002 TO DATE 2003 TO DATE 2005 TO DATE	150-300 HP 150-250 HP, 4-Stroke 150-300 HP, ETech E250HP, Vindicator	N/A 036-63450-3 036-63450-3 N/A	
MERCURY	1989 TO DATE	150-300 HP 2-Stroke, 4-Stroke and XS Engines	036-63450-3	
SUZUKI	1986 TO DATE	150-300 HP, 2-Stroke, 4-Stroke	036-63450-3	Includes ALL models.
YAMAHA	1986 TO DATE	150-350 HP, 2-Stroke, 4-Stroke	036-63450-3	

SEASTAR PRO ORDERING GUIDE

ENGINE/CYLINDER CONFIGURATION	COMPONENT DESCRIPTION	QTY. REQ'D	MODEL	PART ORDER NUMBER
SINGLE ENGINE (Single Cylinder) Applications up to 300 HP MAX. NUMBER OF TURNS: 4.25	CYLINDER *(See Application Guide)* HELM HOSE KIT OIL XX= No. of feet required *(See Page 39)*	1 1 1 3	SEASTAR PRO FRONT MOUNT *SEASTAR PRO *SEASTAR PRO HOSE SEASTAR OIL (QT.)	036-63450-3 038-57700-3 039-57XX0 033-54300
OPTIONAL EQUIPMENT	BACK PLATE KIT 20 DEGREE WEDGE SPORT TILT HELM CLASSIC TILT HELM BULKHEAD HOSE KIT POWER ASSIST PRO STEERING		(FRONT MOUNT HELMS) (FRONT MOUNT HELMS) SEASTAR PRO 2.0 SEASTAR PRO 2.0 SEASTAR PROHOSE (HO82XX) PA1315-2	033-54180 033-54190 038-61900-3 038-65740-3 Special Order 034-13150

SEASTAR PRO BY DOMETIC

NOTES

- *Do NOT use with unbalanced cylinder.*
- *SeaStar PRO is for single engine applications only.*
- *The recommendations shown above apply to factory stock outboards only. Modified installations may require a higher capacity steering system. (Cylinder volume / helm displacement = number of turns.) If in doubt, contact Dometic technical service for assistance.*
- *Some applications vary from what is depicted in this catalog. Always consult SeaStar manual for diagrams specific to your application.*
- *Interference between the cylinder and boat can occur under certain conditions. Check installation thoroughly throughout the full range of movement for engine tilt and trim (and jack plate, if present).*
- *For all Seastar PRO outboard systems: use only SeaStar PRO Hose Kit Part No. HO57_ _ or HO82_ _, where last two digits equal length in feet.*

SEASTAR PRO LOCK VALVE SYSTEM:

SeaStar PRO's unique valve system keeps pressure in the two hydraulic lines about equal, so the wheel feels solid and sure at all times. SeaStar PRO is the only hydraulic steering system uniquely designed to give you maximum steering comfort and control of your high-performance bass boat.
SeaStar PRO has been installed on premium bass boats as original equipment for many years. It's the ideal upgrade for twin-cable mechanical steering.

For more information see: www.dometic.com

DOMETIC OUTDOOR

TOURNAMENT SERIES CYLINDER AND ADJUSTABLE TIE BAR

Extreme heavy duty cylinders and tie bars designed primarily for high performance twin and triple engine applications. Also available for single engine applications. These cylinders and tie bars are application-specific.
Please see the chart below.

036-68450-S

- Suitable for use with all SeaStar Helms & SeaStar Power Assist
- Heavy duty universal cylinder
- Bolt-on stainless steel tie bar plates, also reversible (patent pending)
- Robust design with heavy duty support brackets, barrel, shaft & seals
- Superior corrosion resistance
- New pivot plate design provides smooth articulation and a sealed joint (patent pending)
- Heavy duty adjustable tie bar (patent pending)
- Equipped with stainless steel adjustable o-ring sealed elbow fittings which can be easily orientated in any direction

TOURNAMENT SERIES APPLICATION GUIDE ALL ENGINE MAKES - 200+ HP

CONFIGURATION	CYLINDER		HARDWARE KIT		TIE BAR				NOTES
	Mfr. No.	Qty.	Mfr. No.	Qty.	Mfr. No.	Qty.	CENTER TO CENTER Distance (in.)	CENTER TO CENTER Distance (mm)	
Single Engine	HC6845S	1	Included			N/A	N/A	N/A	***See Note 1***
Twin Engine - Single Cylinder (STBD)	HC6845	1	HA6802	1	HO6821 HO6822 HO6823	1	25.0 - 25.6 25.7 - 30.6 30.7 - 39.0	635 - 650 653 - 777 780 - 991	***See Notes 1, 3, 4, 5, 7*** HA6802 Drive Bracket Availability - TBD
Twin Engine - Dual Cylinder	HC6845	2	HA6804	1	HO6820 HO6821 HO6822 HO6823	1	25.0 - 26.5 26.6 - 29.3 29.4 - 34.2 34.3 - 43.0	635 - 673 676 - 744 747 - 869 871 - 1092	***See Notes 1, 3, 4, 5***
Triple Engine - Dual Cylinder	HC6845	2	HA6806	1	HO6822 HO6823	2	25.0 - 27.9 28.0 - 36.0	635 - 709 711 - 914	***See Notes 1 thru 5***
Quad Engine - Dual Cylinder	HC6845	2	HA6811	1	CONSULT SeaStar Solutions TECHNICAL SERVICE				***See Notes 1 thru 5***
Quintuplet Engine (Plus)	CONSULT SeaStar Solutions TECHNICAL SERVICE								***See Notes 1 thru 5***

GENERAL INSTALLATION NOTES FOR ABOVE CHART

1) Installation may vary according to the following factors: engine mounting height, transom thickness, use of transom savers, tiller bolt hole location, engine tilt range, and engine size.
2) For center engine drops greater than 3 inches (76mm), please consult Dometic Technical Service.
3) Tie bar length may vary depending on toe in/toe out setup. To allow for toe, add or subtract from your nominal engine center to center distance.
4) Based on recommended engine manufacturer minimum center to center distances. Deviating from these recommendations may require stroke limiting cylinders and/or engine tilt limiting, please consult Dometic Technical Service.
5) Cylinders must be plumbed in parallel only, no series connections. Only exception is if cylinders are utilizing a liquid tie bar.
6.) Maximum drop: <3 inches (76mm). Contact Dometic Technical Support for center engine drops greater than 3 inches.
7.) Extra long tiebar kits available, contact Dometic Technical Support for details.

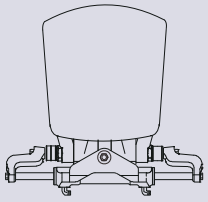
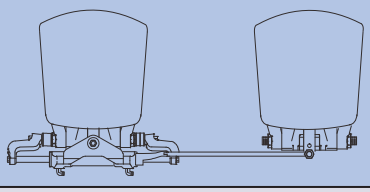
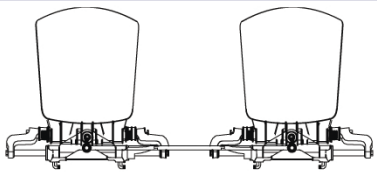
DESCRIPTION	MFR.NO.	ORDER NO.
O/B Cylinder Tournament 2, Front Mount	HC6845	036-68450
O/B Cylinder Tournament 2, Front Mount c/w Single Engine Hardware Kit	HC6845S	036-68450-S
Tie Bar, Adjustable, Tournament 2, Small	HO6820	039-68200
Tie Bar, Adjustable, Tournament 2, Medium	HO6821	039-68210
Tie Bar, Adjustable, Tournament 2, Large	HO6822	039-68220
Tie Bar, Adjustable, Tournament 2, X-Large	HO6823	039-68230
Hardware Kit T2, Twin Engine, Single Cylinder w/ Drive Bracket	HA6802	033-68020
Hardware Kit T2, Twin Engine, Dual Cylinder w/ FM Plates	HA6804	033-68040
Hardware Kit T2, Triple Engine, Dual Cylinder w/ FM Plates	HA6806	033-68060
Hardware Kit T2, Quad Engine, Dual Cylinder w/ FM Plates	HA6811	033-68110
ORB Tee Fitting Kit	HF6005	037-60050

Note: Each configuration requires a hardware kit and tie bar kit(s), **with the exception of the single engine configuration.**

DOMETIC OUTDOOR

SEASTAR™ BY DOMETIC

OUTBOARD STEERING
SINGLE & DUAL ENGINE ORDERING GUIDE: PIVOT MOUNT SYSTEMS

ENGINE/CYLINDER CONFIGURATION	COMPONENT DESCRIPTION	QUANTITY REQ'D	MODEL	PART ORDER NO.
SINGLE ENGINE (SINGLE CYLINDER) Applications up to 350 HP maximum NUMBER OF TURNS: 5	CYLINDER **(See Application Guide)**	1	PIVOT MOUNT	**036-_3_ _0-3**
	HELM	1	*SEASTAR 1.7	**038-52710-3**
	HOSE KIT	1	OUTBOARD HOSE	**039-51XX0**
	OIL	3	SEASTAR OIL (QT.)	**033-54300**
	**For Extra Steering Station Add:**			
	HELM	1	*SEASTAR 1.7	**038-52710-3**
	FITTING KIT	1	ADD A STATION	**037-60070**
	HOSE KIT	1	OUTBOARD HOSE	**039-51XX0**
	OIL	1	SEASTAR OIL (QT.)	**033-54300**
	XX = No. of feet required *(See Page 39)*			
DUAL ENGINE (SINGLE CYLINDER) Non-Counter-Rotating Applications to 450 HP max; Counter-Rotating Applications to 700 HP maximum. NUMBER OF TURNS: 5	CYLINDER **(See Application Guide)**	1	PIVOT MOUNT	**036-_3_ _0-3**
	TIE BAR KIT	1	SEE APPLICATION GUIDE	**039-600x0**
	HELM	1	*SEASTAR 1.7	**038-52710-3**
	HOSE KIT	1	OUTBOARD HOSE	**039-51xx0**
	OIL	3	SEASTAR OIL (QT.)	**033-54300**
	**For Extra Steering Station Add:**			
	HELM	1	*SEASTAR 1.7	**038-52710-3**
	FITTING KIT	1	ADD A STATION	**037-60070**
	HOSE KIT	1	OUTBOARD HOSE	**039-51xx0**
	OIL	1	SEASTAR OIL (QT.)	**033-54300**
	XX = No. of feet required *(See Page 39)*			
DUAL ENGINE (DUAL CYLINDERS) Non-Counter-Rotating Applications to 450 HP max; All Counter-Rotating Engine Applications NUMBER OF TURNS: 7	CYLINDER **(See Application Guide)**	2	PIVOT MOUNT	**036-_3_ _0**
	TIE BAR KIT	1	SEE APPLICATION GUIDE	**039-600x0**
	HELM	1	**SEASTAR 2.4	**038-52720-3**
	HOSE KIT	1	OUTBOARD HOSE	**039-51xx0**
	HOSE KIT	1	OUTBOARD HOSE	**039-51xx0**
	HOSE KIT	1	OUTBOARD HOSE	**039-51xx0**
	FITTING	1	TEE FITTINGS	**037-55300**
	OIL	3	SEASTAR OIL (QT.)	**033-54300**
	**For Extra Steering Station Add:**			
	HELM	1	**SEASTAR 2.4	**038-52720-3**
	FITTING KIT	1	ADD A STATION	**037-60070**
	HOSE KIT	1	OUTBOARD HOSE	**039-51xx0**
	OIL	1	SEASTAR OIL (QT.)	**033-54300**
	XX = No. of feet required *(See Page 39)*			
OPTIONAL EQUIPMENT	BACK PLATE KIT		(FOR STANDARD HELMS)	**033-54180**
	20 DEGREE WEDGE		(FOR STANDARD HELMS)	**033-54190**
	AUTOPILOT FITTING KIT		(ALL HELMS)	**037-60070**
	*TILT HELM- SEASTAR I		*SEASTAR 1.7	**038-65410-3**
	REAR MOUNT HELM- SEASTAR I		*SEASTAR 1.7	**038-52610-3**
	**TILT HELM - SEASTAR II		**SEASTAR 2.4	**038-65420-3**
	REAR MOUNT HELM - SEASTAR II		**SEASTAR 2.4	**038-52620-3**
	PRO CYLINDERS (Available in red, silver or traditional black)		HC6345-3	**036-63450-3**
	POWER ASSIST STEERING		PA1200-2	**034-12000**

HYDRAULIC OUTBOARD STEERING

DOMETIC OUTDOOR

SEASTAR™ BY DOMETIC

COMPLETE SYSTEM

System components sold separately.
See application and ordering guides to select appropriate components.

COMPONENTS

DESCRIPTION	MFR.NO.	ORDER NO.
SeaStar 1.7 Helm	HH5271-3	038-52710-3
Side Mount Outboard Cylinder	HC5370-3	036-53700-3
SeaStar Hose Kit - **2 HOSES** *See Page 39*	HO51xx	039-51XX0 **XX - Length in ft.**
SeaStar Oil (1 Quart)	HA5430	033-54300

OPTIONS

DESCRIPTION	MFR.NO.	ORDER NO.
SeaStar 1.7 - Front Mount - **COMMERCIAL** Helm	HH5217-3	038-52170-3**
SeaStar 1.7 - **REAR MOUNT** Helm	HH5261-3	038-52610-3
SeaStar 1.7 - **SPORT** TILT Helm	HH6191-3	038-61910-3
SeaStar 1.7 - **CLASSIC** TILT Helm	HH6541-3	038-65410-3
SeaStar 2.4 Front Mount Helm	HH5272-3	038-52720-3
SeaStar 2.4 - Front Mount - **COMMERCIAL** Helm	HH5224-3	038-52240-3
SeaStar 2.4 - **SPORT** TILT Helm	HH6192-3	038-61920-3
SeaStar 2.4 - **CLASSIC** TILT Helm	HH6542-3	038-65420-3
Power Assist, 15' Harness	PA1200-2	034-12000
SeaStar Round Bezel Kit	HA5478	033-54780
SeaStar Backplate Kit	HA5418	033-54180
SeaStar 20° Dash Wedge Kit	HA5419	033-54190
SeaStar Bulkhead Hose Kit - 2 Hoses	HO81xx	Special Order
Add-A-Station/Autopilot Fitting Kit	HF6007	037-60070

***The Commercial Helm Pumps are designed with a stainless steel shaft and a better sealing top plate for use in extreme condition and/or commercial applications.*

SEASTAR STEERING (SIDE MOUNT CYLINDER) SYSTEM

A great alternative for wide, shallow splashwells. SeaStar side mount steering is a good choice for engines with threaded tilt tubes that comply with ABYC P17/NMMA/BIA standards for mechanical steering. The cylinder attaches to an engine tilt tube which meets the above standards.

APPLICATIONS:

Single and dual non-power-assisted outboard engines up to 300 HP (600 combined HP for counter-rotating duals) that have standard engine tilt tube.

Suitable for speeds up to 60 MPH and dual station use (with purchase of extra helm, hose & fittings).

Dual engines require purchase of a tie bar kit and extra hardware. For power steered engines, contact Dometic Technical Service.

FEATURES:

- Drag link design fits most engines with threaded tilt tubes. Fast, easy installation.
- Alternative to front mount cylinder where space allows, especially useful in boats with shallow splashwells.
- Suitable for use on engines with power steering.
- 4.8/5.7 turns lock-to-lock using SeaStar 1.7 helm (unbalanced cylinder).
- Compact helm has only a 4-7/16" footprint -needs only 3" dash hole (Tilt requires larger hole).
- Standard 3/4" tapered steering shaft.
- Meets A.B.Y.C. standards.
- Meets N.M.M.A. certification requirements.

SERVICE ITEMS

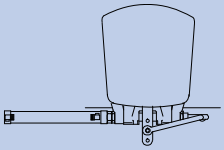
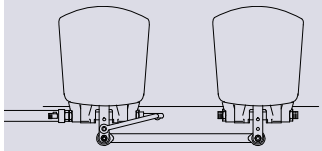
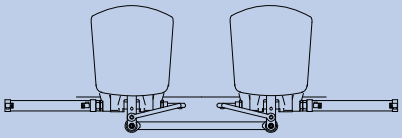
DESCRIPTION	MFR.NO.	ORDER NO.
SeaStar Oil (1 Gallon)	HA5440	033-54400

For more information see: www.dometic.com

DOMETIC OUTDOOR

SEASTAR™ BY DOMETIC

OUTBOARD STEERING ORDERING GUIDE: SIDE MOUNT SYSTEMS

ENGINE/CYLINDER CONFIGURATION	COMPONENT DESCRIPTION	QUANTITY REQ'D	MODEL	MFR.NO.	PART ORDER NO.
SINGLE ENGINE (SINGLE CYLINDER) Applications up to 300 HP maximum NUMBER OF TURNS: 4.8/5.7	Cylinder	1	Side Mount	HC 5370-3	**036-53700-3**
	Helm	1	*SeaStar 1.7	HH 5271-3	**038-52710-3**
	Hose Kit	1	Outboard Hose	HO 51 xx	**039-51 xx 0**
	Oil	3	SeaStar Oil (Qt.)	HA 5430	**033-54300**
	For Extra Steering Station Add:				
	Helm	1	*SeaStar 1.7	HH 5271-3	**038-52710-3**
	Fitting Kit	1	Add a Station	HF 6007	**037-60070**
	Hose Kit	1	Outboard Hose	HO 51 xx	**039-51 xx 0**
	Oil	1	SeaStar Oil (Qt.)	HA 5430	**033-54300**
	xx = No. of feet required *(See Page 39)*				
DUAL ENGINE (SINGLE CYLINDER) Non-Counter-Rotating Applications to 300 HP max; Counter-Rotating Applications to 600 HP maximum. NUMBER OF TURNS: 4.8/5.7	Cylinder	1	Side Mount	HC 5370-3	**036-53700-3**
	Tie Bar Kit	1	Tie Bar Only	HO 5009	**039-50090**
	Helm	1	*SeaStar 1.7	HH 5271-3	**038-52710-3**
	Hose Kit	1	Outboard Hose	HO 51xx	**039-51 xx 0**
	Oil	3	SeaStar Oil (Qt.)	HA 5430	**033-54300**
	For Extra Steering Station Add:				
	Helm	1	*SeaStar 1.7	HH 5271-3	**038-52710-3**
	Fitting Kit	1	Add a Station	HF 6007	**037-60070**
	Hose Kit	1	Outboard Hose	HO 51xx	**039-51 xx 0**
	Oil	1	SeaStar Oil (Qt.)	HA 5430	**033-54300**
	xx = No. of feet required *(See Page 39)*				
DUAL ENGINE (DUAL CYLINDER) Non-Counter-Rotating Applications to 600 HP max; All Counter-Rotating Engine Applications. NUMBER OF TURNS: 7	Cylinders	2	Side Mount	HC 5370-3	**036-53700-3**
	Tie Bar Kit	1	Tie Bar Only	HO 5009	**039-50090**
	Helm	1	**SeaStar 2.4	HH 5272-3	**038-52720-3**
	Hose Kit	1	Outboard Hose	HO 51xx	**039-51 xx 0**
	Hose Kit	1	Outboard Hose	HO 51xx	**039-51 xx 0**
	Hose Kit	1	Outboard Hose	HO 51xx	**039-51 xx 0**
	Fittings - Tee	1	Tee Fittings	HF 5530	**037-55300**
	Oil	3	SeaStar Oil (Qt.)	HA 5430	**033-54300**
	For Extra Steering Station Add:				
	Helm	1	**SeaStar 2.4	HH 5272-3	**038-52720-3**
	Fitting Kit	1	Add a Station	HF 6007	**037-60070**
	Hose Kit	1	Outboard Hose	HO 51xx	**039-51 xx 0**
	Oil	1	SeaStar Oil (Qt.)	HA 5430	**033-54300**
	xx = No. of feet required *(See Page 39)*				
OPTIONAL EQUIPMENT	Back Plate Kit (For Standard Helms)			HA 5418	**033-54180**
	20° Wedge (For Standard Helms)			HA 5419	**033-54190**
	Autopilot Fitting Kit (For All Helms)			HF 6007	**037-60070**
	*Tilt Helm - SeaStar 1.7			HH 6541-3	**038-65410-3**
	Rear Mount Helm - SeaStar 1.7			HH 5261-3	**038-52610-3**
	**Tilt Helm - SeaStar 2.4			HH 6542-3	**038-65420-3**
	Rear Mount Helm - SeaStar 2.4			HH 5262-3	**038-52620-3**
	Power Assist Steering			PA 1200-2	**034-12000**

NOTES:

These recommendations apply to factory stock outboards only. Modified installations may require a higher capacity steering system. If in doubt, contact SeaStar Solutions technical service for assistance. (Cylinder volume / helm displacement = number of turns.) For dual engines, use SeaStar or engine manufacturer's tie bar. For all SeaStar outboard systems: Use following option A or B:

*A) Outboard hose: Order standard lengths (cannot be cut to length.)- **Part No. 039-51XX0 / # 039-57XX0**, where **XX** = length in feet.* ***(See Page 39)***

*B) Copper tube: 3/8" diameter copper tube and Hose Kit - **Part No. 037-55080.***

WARNING:

***Do NOT use SeaStar PRO helms** with the unbalanced side mount cylinder. Doing so may cause steering wheel to lock up leading to possible loss of steering causing property damage and/or personal injury.*

For more information see: www.dometic.com

HYDRAULIC OUTBOARD STEERING

DOMETIC OUTDOOR

SEASTAR™ BY DOMETIC

COMPLETE SYSTEM

System components sold separately.
See application and ordering guides to select appropriate components.

COMPONENTS

DESCRIPTION	MFR.NO.	ORDER NO.
SeaStar 1.7 Helm	HH5271-3	038-52710-3
Splashwell Mount Outboard Cylinder	HC5380-3	036-53800-3
SeaStar Hose Kit - **2 HOSES** *See Page 39*	HO51xx	039-51XX0 **XX - Length in ft.**
SeaStar Oil (1 Quart)	HA5430	033-54300

OPTIONS

DESCRIPTION	MFR.NO.	ORDER NO.
SeaStar 1.7 - Front Mount - **COMMERCIAL** Helm	HH5217-3	038-52170-3**
SeaStar 1.7 - **REAR MOUNT** Helm	HH5261-3	038-52610-3
SeaStar 1.7 - **SPORT** TILT Helm	HH6191-3	038-61910-3
SeaStar 1.7 - **CLASSIC** TILT Helm	HH6541-3	038-65410-3
Power Assist, 15' Harness	PA1200-2	034-12000
SeaStar Round Bezel Kit	HA5478	033-54780
SeaStar Backplate Kit	HA5418	033-54180
SeaStar 20° Dash Wedge Kit	HA5419	033-54190
SeaStar Bulkhead Hose Kit - 2 Hoses	HO81xx	Special Order
Add-A-Station/Autopilot Fitting Kit	HF6007	037-60070

SERVICE ITEMS

DESCRIPTION	MFR.NO.	ORDER NO.
SeaStar Oil (1 Gallon)	HA5440	033-54400

SEASTAR STEERING (SPLASHWELL MOUNT CYLINDER) SYSTEM

A Very Economical Hydraulic Steering Alternative, SeaStar splashwell mount steering is ideal for engines which do not have threaded engine tilt tubes (cannot use front or side mount cylinders). The splashwell mount cylinder typically attaches to an anchor point on or near the inside of the boat's transom.

APPLICATIONS:

An ideal hydraulic steering solution for engines without tilt tubes.

Single and dual non-power-assisted outboard engines up to 300 HP (600 combined HP for counter-rotating duals).

Suitable for speeds up to 60 MPH and dual station use (with purchase of extra helm, hose & fittings). Dual engines require purchase of a tie bar kit and extra hardware. Not suitable for engines fitted with factory power steering.

FEATURES:

- Ideal for outboard engines which do not have a tilt tube.
- Design allows wide variety of mountings.
- Light duty alternative to front mount cylinder where space allows.
- Suitable for installation in shallow splashwells.
- 5.5/6.5 turns lock-to-lock using SeaStar 1.7 helm (unbalanced cylinder).
- Compact helm has only a 4-7/16" footprint — needs only 3" dash hole (Tilt requires larger hole).
- Standard 3/4" tapered steering shaft.
- Cylinder #036-53800-3 features a compact 9" stroke for tight applications.
- Meets A.B.Y.C. standards.
- Meets N.M.M.A. certification requirements.

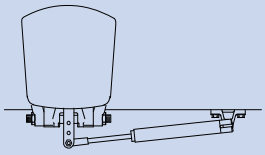
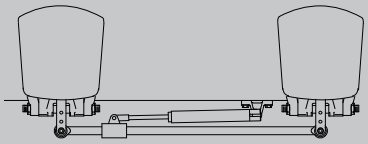
***The Commercial Helm Pumps are designed with a stainless steel shaft and a better sealing top plate for use in extreme conditions and/or commercial type applications.*

For more information see: www.dometic.com

DOMETIC OUTDOOR

SEASTAR™ BY DOMETIC

OUTBOARD STEERING
Ordering Guide : SPLASHWELL MOUNT SYSTEMS

ENGINE/CYLINDER CONFIGURATION	COMPONENT DESCRIPTION	QUANTITY REQ'D	MODEL	MFR.NO.	ORDER NO.
SINGLE ENGINE (SINGLE CYLINDER) Applications up to 300 HP maximum NUMBER OF TURNS: 5.5/6.5	Cylinder	1	Splashwell Mount	HC 5380-3	**036-53800-3**
	Helm	1	SeaStar 1.7	HH 5271-3	**038-52710-3**
	Hose Kit	1	Outboard Hose	HO 51 xx	**039-51 xx 0**
	Oil	3	SeaStar Oil (Qt.)	HA 5430	**033-54300**
	**For Extra Steering Station Add**:				
	Helm	1	*SeaStar 1.7	HH 5271-3	**038-52710-3**
	Fitting Kit	1	Add a Station	HF 6007	**037-60070**
	Hose Kit	1	Outboard Hose	HO 51 xx	**039-51 xx 0**
	Oil	1	SeaStar Oil (Qt.)	HA 5430	**033-54300**
	xx = No. of feet required ***(See Page 39)***				
DUAL ENGINE (SINGLE CYLINDER) Non-Counter-Rotating Applications up to 300 HP maximum. Counter-Rotating Applications up to 600 HP maximum. NUMBER OF TURNS: 5.5/6.5	Cylinder	1	Splashwell Mount	HC 5380-3	**036-53800-3**
	Helm	1	*SeaStar 1.7	HH 5271-3	**038-52710-3**
	Hose Kit	1	Outboard Hose	HO 51xx	**039-51 xx 0**
	Oil	3	SeaStar Oil (Qt.)	HA 5430	**033-54300**
	**For Extra Steering Station Add**:				
	Helm	1	*SeaStar 1.7	HH 5271-3	**038-52710-3**
	Fitting Kit	1	Add a Station	HF 6007	**037-60070**
	Hose Kit	1	Outboard Hose	HO 51xx	**039-51 xx 0**
	Oil	1	SeaStar Oil (Qt.)	HA 5430	**033-54300**
	xx = No. of feet required ***(See Page 39)***				
OPTIONAL EQUIPMENT	Back Plate Kit (For Standard Helms)			HA 5418	**033-54180**
	20° Wedge (For Standard Helms)			HA 5419	**033-54190**
	Autopilot Fitting Kit (For All Helms)			HF 6007	**037-60070**
	*Tilt Helm - SeaStar 1.7			HH 6541-3	**038-65410-3**
	Rear Mount Helm - SeaStar 1.7			HH 5261-3	**038-52610-3**
	Power Assist Steering			PA 1200-2	**034-12000**

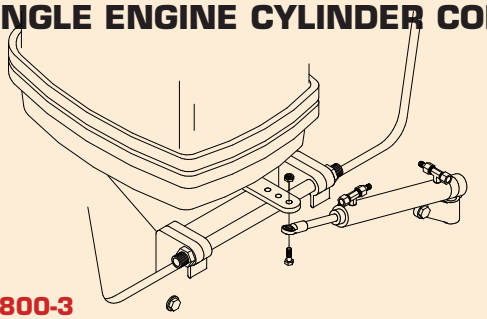
NOTES: *These recommendations apply to factory stock outboards only. Modified installations may require a higher capacity steering system. If in doubt, contact Dometic technical service for assistance. (Cylinder volume / helm displacement = number of turns.)*
*The splashwell mount cylinder can be used on all engines complying with ABYC P17/NMMA/BIA standards provided they have a threaded attachment hole (3/8"-24 UNF thread) in the steering arm. The splashwell mount cylinder - **Part No. 036-53800-3** is not suitable for use on engines fitted with factory power steering. For dual engines, use SeaStar or engine manufacturer's tie bar.*

For all SeaStar outboard systems: Use following option A or B:

*A) Outboard hose: order standard lengths (cannot be cut to length.) **Part No. 039-51XX0 / # 039-57XX0**, where **XX** = length in feet.* ***(See Page 39)***

*B) Copper tube: 3/8" diameter copper tube and Hose Kit - **Part No. 037-55080**.*

SINGLE ENGINE CYLINDER CONNECTION TO ENGINE



ORDER NO. 036-53800-3
SPLASHWELL CYLINDER TYPICAL SINGLE ENGINE MOUNTING

WARNING:
Do NOT use SeaStar PRO HELMS
With the unbalanced splashwell cylinder.
Doing so may cause steering wheel to lock up leading to possible loss of steering causing property damage and/or personal injury.

For more information see: www.dometic.com

HYDRAULIC STERNDRIVE STEERING

STERNDRIVE STEERING - Application Guide

DOMETIC OUTDOOR

ENGINE MANUFACTURER	STEERING CONFIGURATION	ENGINE/DRIVE DESCRIPTION	YEAR	CYLINDER DESCRIPTION			NUMBER TURNS LOCK TO LOCK		NOTES
				MODEL NO.	PART NO.	ORDER NO.	SEASTAR (1.7 cu.in.)	SEASTAR (2.4 cu.in.)	
BMW	NON POWER	ALL	TO DATE	BA125-8EMV	HC5330-3	036-53300-3	4.9	N/A	1
	POWER ASISIST	ALL	TO DATE	125-8EM	HC5328-3	036-53280-3	4.9/5.8	3.4/4.1	2
MERCRUISER	NON POWER ASSIST	MERCRUISER 1	1983 & PRIOR	BA125-8EMV	HC5330-3	036-53300-3	4.9	N/A	1,6
		ALPHA I	1984 TO DATE	BA135-7EM	HC5332	036-53320	5.0	3.5	1,4,5,6
		BRAVO I, II, III	1984 TO DATE	BA135-7EM	HC5332	036-53320	5.0	3.5	1,4,5,6
	POWER ASSIST	MERCRUISER 1	1983 & PRIOR	125-8EM	HC5328-3	036-53280-3	4.9/5.8	3.4/4.1	2
		ALPHA I	1984 TO DATE	125-8EM	HC5328-3	036-53280-3	4.9/5.8	3.4/4.1	2
		BRAVO I, II	1984 TO DATE	125-8EM	HC5328-3	036-53280-3	4.9/5.8	3.4/4.1	2
		BRAVO III	1984 TO DATE	125-8EM	HC5328-3	036-53280-3	4.9/5.8	3.4/4.1	2,7
OMC	NON POWER ASSIST	400/800 SERIES	1985 & PRIOR	N/A	N/A	N/A	N/A	N/A	
		COBRA	1986 to date	BA150-7EM	HC5326-3	036-53260-3	6.0	N/A	1,3
		KING COBRA	1986 to date	BA150-7EM	HC5326-3	036-53260-3	6.0	N/A	1,3
	POWER ASSIST	400/800 SERIES	1985 & PRIOR	N/A	N/A	N/A	N/A	N/A	
		COBRA	1986 to date	125-8EM	HC5328-3	036-53280-3	4.9/5.8	3.4/4.1	2
		KING COBRA	1986 to date	125-8EM	HC5328-3	036-53280-3	4.9/5.8	3.4/4.1	2
VOLVO	NON POWER ASSIST	270	TO DATE	BA125-8EMV	HC5330-3	036-53300-3	4.9	N/A	1,6
		275	TO DATE	BA150-7ATM	HC5314-3	036-53140-3	6.0	N/A	1,6
		280, 290	TO DATE	BA135-7EM	HC5332	036-53320	5.0	3.5	1,4,5,6
		DIESEL	TO DATE	BA135-7EM	HC5332	036-53320	5.0	3.5	1,4,5,6
	POWER ASSIST	275	TO DATE	N/A	N/A	N/A	N/A	N/A	
		280, 290	TO DATE	125-8EM	HC5328-3	036-53280-3	4.8/5.8	3.4/4.1	2
		32, DIESEL	1997 TO DATE	125-6VPS	HC5331-3	036-53310-3	4.8/5.5	3.4/4.1	2
		41-42, DIESEL	1992 TO DATE	125-6VPS	HC5331-3	036-53310-3	4.8/5.8	3.4/4.1	2
		DPS & SX	1996 to date	125-6VPS	HC5331-3	036-53310-3	4.9/5.5	3.4/4.1	2

NOTES:
1. *Balanced system – ie: the number of turns lock to lock is equal port to starboard or vice-versa.*
2. *Unbalanced system – ie: the number of turns lock to lock is not equal port to starboard or vice-versa.*
3. *Requires cylinder rod end adapter 033-54240 supplied by Dometic.*
4. ***036-53320 replaces 036-53260-3 as of January 2000.*** *If installing 036-53260-3 additional clevis supplied by engine manufacturer is required. Mastry Engine part # SUN144 *not provided by Dometic.*
5. *The installation of the 036-53320 sterndrive cylinder requires the use of SeaStar Outboard hose only. DO NOT use 3/8" copper or nylon tube.*
6. *If engine outdrive is NOT equipped with a torque tab on the underside of the lower leg one must be installed to reduce prop torque.*
7. *Yanmar Engines using the Bravo III drives require the use of cylinder 036-53260-3.*

STERNDRIVE STEERING - Order Guide (Cylinder Volume ÷ Helm Displacement = # Of Turns)

SYSTEM CONFIGURATION	COMPONENT DESCRIPTION	QTY	MODEL	PART #	ORDER NO.
SINGLE & DUAL STERNDRIVES (Number of Turns varies by Helm & Cylinder. See Application Guide.) For dual sterndrive applications use engine manufacturers supplied tie bar.	CYLINDER	1	SEE APPLICATION GUIDE		
	HELM	1	SEASTAR 1.7 (See Note 1)	HH5271-3	038-52710-3
	HELM (OPTIONAL)		SEASTAR 2.4 (See Note 2)	HH5272-3	038-52720-3
	OIL	3	SEASTAR OIL (QT.)	HA5430	033-54300
	EXTRA TUBE/HOSE		(See Note 3)		
FOR EXTRA STEERING STATION ADD:	HELM	1	SEASTAR 1.7 (See Note 1)	HH5271-3	038-52710-3
			SEASTAR 2.4 (See Note 2)	HH5272-3	038-52720-3
	FITTING KIT	1	FOR USE WITH 3/8 NYLON/COPPER TUBE	HF6010	037-60100
			FOR USE WITH SEASTAR STEERING HOSE	HF6007	037-60070
	OIL	1	SEASTAR OIL	HA5430H	033-54300
	EXTRA TUBE/HOSE		(See Note 3)		
OPTIONAL EQUIPMENT:	BACK PLATE KIT		(FRONT STANDARD HELMS)	HA5418	033-54180
	20 DEGREE WEDGE KIT		(FRONT STANDARD HELMS)	HA5419	033-54190
	AUTOPILOT FITTING KIT		(FOR USE WITH SEASTAR STEERING HOSE)	HF6007	037-60070
			(FOR USE WITH SEASTAR TUBE/COPPER)	HF6010	037-60100
			Tilt Helm-SeaStar 1.7	HH6541-3	038-65410-3
			Rear Mount Helm-SeaStar 1.7	HH5261-3	038-52610-3
			Tilt Helm-SeaStar 2.4	HH6542-3	038-65420-3
			Rear Mount Helm-SeaStar 1.7	HH5262-3	038-52620-3
			POWER ASSIST STEERING	PA1200-2	034-12000

NOTES:
1. *SeaStar helms are the standard recommendation for both non-power and power steered applications.*
2. *SeaStar helms with a higher displacement can be specified for less wheel turns where faster response is desired. Consult chart above for options.*
3. **To ensure performance, select the appropriate tube/hose kit as noted below*
   a) For SeaStar 1.7 Helms: use SeaStar 3/8" Extruded Nylon tubing, Order No. 041-51011. b) For SeaStar 2.0, 2.4 or 3.0 helms: use SeaStar/SeaStar PRO Outboard Steering Hose, or, 3/8" diameter copper tube and copper tube hose kit 037-55080 ***(See Page 39).***
4. *For dual stern drives – use the tie bar supplied by the engine manufacturer.*

These recommendations apply to factory stock stern drives only. Modified installations and high performance applications may require a higher capacity system. If in doubt, contact our technical service for assistance.

DOMETIC OUTDOOR

SEASTAR INBOARD STEERING

SeaStar has 2 types of inboard steering:
SeaStar (with SeaStar 1.7, 2.0 or 2.4 helm) and SeaStar Capilano (with Capilano 1250V or 1275V variable turn helm)
.

SeaStar systems are described on this page

HOW TO SELECT AN INBOARD STEERING SYSTEM

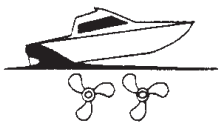
1) From the application guide select the System Number appropriate for the vessel based on:
   a) Hull type - displacement or planing;
   b) Length of vessel;
   c) Number of rudders; and **d)** Usage of vessel.
2) From the order guide select the appropriate helm and accessory hardware for each steering station.
3) From the order guide select the fitting and hose kits required.
4) Confirm that you have sufficient space available where the cylinder will be mounted and at the dash for the helm, etc.

Displacement Hull - Maximum hull speed does not normally exceed 18 knots.

Planing Hull - Maximum hull speed normally exceeds 18 knots.

Inboard Cylinder P/N HC531 (ATM or TM)

PLANING HULLS



DISPLACEMENT HULLS

SAIL

SEASTAR INBOARD STEERING - Order Guide

BOAT LENGTH TYPE	SYSTEM NUMBERS 1 ENGINE		SYSTEM NUMBERS 2 ENGINE	
PLANING HULLS	**Pleasure**	**Work**	**Pleasure**	**Work**
To 26 Ft. (8m)	1	4	1	4
To 32 Ft. (10m)	2	4	1	4
To 38 Ft. (11.5m)	3	5	2	5
To 44 Ft. (13.5m)	5		3	5
To 50 Ft. (15m)			5	
DISPLACEMENT HULLS	**Pleasure**	**Work**	**Pleasure**	**Work**
To 26 Ft. (8m)	2	4	2	4
To 32 Ft. (10m)	3	4	3	4
To 38 Ft. (11.5m)	5	5	3	5
To 44 Ft. (13.5m)			5	
To 50 Ft. (15m)				
SAIL	**Pleasure**	**Work**		
To 26 Ft. (8m)	4	4		
To 32 Ft. (10m)	4	4		
To 38 Ft. (11.5m)	4	5		
To 44 Ft. (13.5m)	5			
To 50 Ft. (15m)				

FEATURES

- Regular duty aluminum or heavy duty brass cylinders.
- Easy installation for single and dual rudder vessels.
- Cylinders supplied with bleeder fittings.
- Two axis articulation.
- Easy autopilot interface.

APPLICATIONS

- Most inboard powered boats with single or twin engines.
- Single Engine Planing/Displacement Hull Craft from 26-44 feet.
- Twin Engine Planing Hull Craft from 26-50 feet.
- Twin Engine Displacement Hull & Sail Craft from 26-44 feet.

SEASTAR INBOARD STEERING - Application Guide

ENGINE/ CYLINDER	COMPONENT DESCRIPTION	QTY. REQ'D	MODEL	ORDER NO.
SYSTEM #1 ***NUMBER OF TURNS: 4.0***	CYLINDER	1	BA125-7ATM	036-53120-3
	HELM	1	SEASTAR 1.7	038-52710-3
	TUBING *(See NOTES 1 & 3)*		3/8" DIA. NYLON	041-51011
	OIL	3	SEASTAR OIL (QT.)	033-54300
FOR EXTRA STEERING STATION, ADD:	HELM	1	SEASTAR 1.7	038-52710-3
	FITTING KIT	1	ADD A STATION	037-60100
	EXTRA TUBING *(See NOTES 1 & 3)*		3/8" DIA. NYLON	041-51011
	OIL	1	SEASTAR OIL (QT.)	033-54300
SYSTEM #2 ***NUMBER OF TURNS: 5.0***	CYLINDER	1	BA135-7ATM	036-53130-3
	HELM	1	SEASTAR 1.7	038-52710-3
	TUBING *(See NOTES 1 & 3)*		3/8" DIA. NYLON	041-51011
	OIL	3	SEASTAR OIL (QT.)	033-54300
FOR EXTRA STEERING STATION, ADD:	HELM	1	SEASTAR 1.7	038-52710-3
	FITTING KIT	1	ADD A STATION	037-60100
	EXTRA TUBING *(See NOTES 1 & 3)*		3/8" DIA. NYLON	041-51011
	OIL	1	SEASTAR OIL (QT.)	033-54300
SYSTEM #3 ***NUMBER OF TURNS: 6.0***	CYLINDER	1	BA150-7ATM	036-53140-3
	HELM	1	SEASTAR 1.7	038-52710-3
	TUBING *(See NOTES 1 & 3)*		3/8" DIA. NYLON	041-51011
	OIL	3	SEASTAR OIL (QT.)	033-54300
FOR EXTRA STEERING STATION, ADD:	HELM	1	SEASTAR 1.7	038-52710-3
	FITTING KIT	1	ADD A STATION	037-60100
	EXTRA TUBING *(See NOTES 1 & 3)*		3/8" DIA. NYLON	041-51011
	OIL	1	SEASTAR OIL (QT.)	033-54300
SYSTEM #4 ***NUMBER OF TURNS: 4.25***	HELM	1	SEASTAR 2.4	038-52720-3
	TUBING *(See NOTES 2 & 3)*		3/8" DIA. COPPER	041-51011
	HOSE KIT	1	SEASTAR HOSE KIT	037-55080
	OIL	3	SEASTAR OIL (QT.)	033-54300
FOR EXTRA STEERING STATION, ADD:	HELM	1	SEASTAR 2.4	038-52720-3
	FITTING KIT	1	ADD A STATION	037-60100
	EXTRA TUBING *(See NOTES 2 & 3)*		3/8" DIA. COPPER	
	OIL	1	SEASTAR OIL (QT.)	033-54300
SYSTEM #5 ***NUMBER OF TURNS: 5.5***	HELM	1	SEASTAR 2.4	038-52720-3
	TUBING *(See NOTES 2 & 3)*		3/8" DIA. COPPER	
	HOSE KIT	1	SEASTAR HOSE KIT	037-55080
	OIL	3	SEASTAR OIL (QT.)	033-54300
FOR EXTRA STEERING STATION, ADD:	HELM	1	SEASTAR 2.4	038-52720-3
	FITTING KIT	1	ADD A STATION	037-60100
	EXTRA TUBING *(See NOTES 2 & 3)*		3/8" DIA. COPPER	
	OIL	1	SEASTAR OIL (QT.)	033-54300
OPTIONAL EQUIPMENT	BACK PLATE KIT		(FOR STANDARD HELMS)	033-54180
	20 DEGREE WEDGE		(FOR STANDARD HELMS)	033-54190
	AUTOPILOT FITTING KIT		(FOR ALL -3 HELMS)	037-60100
			Tilt Helm-SeaStar 1.7	038-65410-3
			Rear Mount Helm-SeaStar 1.7	038-52610-3
			Tilt Helm-SeaStar 2.4	038-65420-3
			Rear Mount Helm-SeaStar 1.7	038-52620-3
			POWER ASSIST STEERING	034-12000

NOTES: 1. For systems 1, 2 & 3 – nylon tubing (3/8" dia.) is the standard requirement for plumbing the system. Copper tubing (3/8" dia.) can be substituted but Fitting Kit 037-55070 is required.
2. For systems 4 & 5 – copper tubing (3/8" dia.) is the standard requirement for plumbing the system. Fitting Kit 037-55080 is required.
3. For systems 1, 2, 3, 4, & 5 – Seastar outboard hose can be substituted for nylon or copper tube. These hoses must be ordered in standard lengths. They cannot be cut to length.

For more information see: www.dometic.com

DOMETIC OUTDOOR

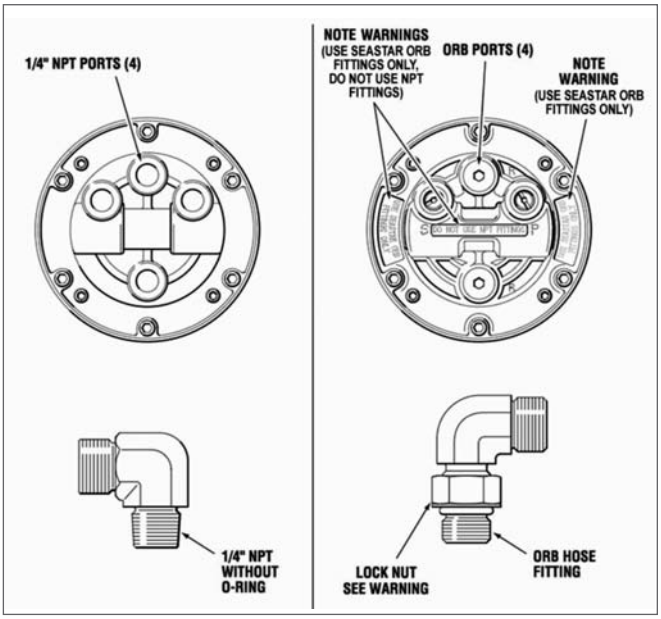
SEASTAR AND BAYSTAR HELMS

Dometic has recently updated all helm pumps to use O-ring (ORB) type fittings. Before this update all helms used NPT fittings. The new fittings will simplify the installation process and will allow for simple reorientation of fittings after installation.
Figures A and B are intended to assist with identifying an NPT helm/fitting vs. an ORB helm/fitting. New ORB type helms are clearly marked with DO NOT USE NPT FITTINGS on the raised area at the rear of the helm.

All updated pump numbers are designated with a -3 at the end of the part number.

Features:
- Updated decal and vent plug
- Adjustable stainless steel O-ring seal (ORB) fittings
- Anodized rear cover with black port plugs, PRO marking visible on Pro helms

NOW FITTED WITH POSITIONABLE O-RING FITTINGS



BAYSTAR HELMS

SEASTAR HELMS

For more information see: www.dometic.com

BAYSTAR HELMS

HELM DESCRIPTION	HELM MFR. NO. / ORDER NO.	SEAL KIT MFR. NO. / ORDER NO.
BAYSTAR 1.1 - FRONT MOUNT	HH4311-3 / **038-43110-3**	HP6032 / **037-60320**
BAYSTAR 1.4 - FRONT MOUNT	HH4314-3 / **038-43140-3**	HP6032 / **037-60320**
BAYSTAR 1.4 - SPORT TILT	HH4315-3 / **038-43150-3**	HP6032 / **037-60320**
BAYSTAR 1.4 - SPORT PLUS TILT	HH4316-3 / **038-43160-3**	HP6032 / **037-60320**
BAYSTAR PLUS 1.4 - FRONT MOUNT	HH4514-3 / **038-45140-3**	HP6032 / **037-60320**

BayStar hydraulic steering is brought to you by the manufacturers of SeaStar®, the most trusted name in pleasure boat steering.
BayStar allows you to install all of the safety, reliability and comfort of hydraulic steering onto your boats rated to a MAXIMUM of 150 HP. Combine this with a superior design rigid ISO quality control and the finest materials and precision manufacturing — BayStar continues the tradition bringing comfort and safety to boating.

SEASTAR HELMS

HELM DESCRIPTION	HELM MFR. NO. / ORDER NO.	SEAL KIT MFR. NO. / ORDER NO.
SEASTAR 1.7 - FRONT MOUNT	HH5271-3 / **038-52710-3**	HP6032 / **037-60320**
SEASTAR 1.7 - FRONT MT. COMM.	HH5217-3 / **038-52170-3**	HP6037 / **037-60370**
SEASTAR 1.7 - REAR MOUNT	HH5261-3 / **038-52610-3**	HP6032 / **037-60320**
SEASTAR 1.7 - SPORT TILT*	HH6191-3 / **038-61910-3**	HP6032 / **037-60320**
SEASTAR 1.7 - CLASSIC TILT*	HH6541-3 / **038-65410-3**	HP6032 / **037-60320**
SEASTAR 1.7 - SPORT PLUS TILT*	HH6491-3 / **038-64910-3**	HP6032 / **037-60320**
SEASTAR 2.0 - FRONT MOUNT	HH5273-3/ **038-52730-3**	HP6032 / **037-60320**
SEASTAR 2.0 - SPORT TILT	HH6145-3/ **038-61450-3**	HP6032 / **037-60320**
SEASTAR 2.4 - FRONT MOUNT	HH5272-3/ **038-52720-3**	HP6032 / **037-60320**
SEASTAR 2.4 - FRONT MT. COMM.	HH5224-3/ **038-52240-3**	HP6037 / **037-60370**
SEASTAR 2.4 - REAR MOUNT	HH5262-3/ **038-52620-3**	HP6032 / **037-60320**
SEASTAR 2.4 - SPORT TILT*	HH6192-3/ **038-61920-3**	HP6032 / **037-60320**
SEASTAR 2.4 - CLASSIC TILT*	HH6542-3/ **038-65420-3**	HP6032 / **037-60320**
SEASTAR 3.0- FRONT MOUNT	HH5285-3 / **038-52850-3**	HP6032 / **037-60320**

Unmatched comfort and control only with SeaStar Steering. The world's most popular hydraulic steering system – offering smooth, efficient No Feedback Steering for single and multi-outboard engines up to 350HP (700HP combined for counter rotating twins) for speeds up to 60 MPH.

DOMETIC OUTDOOR

SEASTAR PRO HELMS

SEASTAR PRO HELMS

NOTE:
SeaStar Pro Helms no longer ship with hose fittings installed.

SEASTAR PRO HELMS

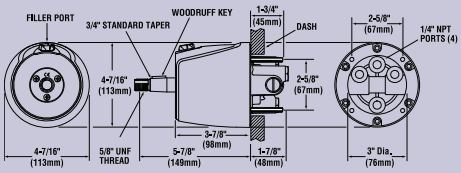
HELM DESCRIPTION	HELM MFR. NO. / ORDER NO.	SEAL KIT MFR. NO. / ORDER NO.
SEASTAR PRO 1.7 - FRONT MOUNT	HH5779-3 / **038-57790-3**	HP6032 / **037-60320**
SEASTAR PRO 1.7 - SPORT TILT	HH6189-3 / **038-61890-3**	HP6032 / **037-60320**
SEASTAR PRO 2.0 - FRONT MOUNT	HH5770-3 / **038-57700-3**	HP6032 / **037-60320**
SEASTAR PRO 2.0 - SPORT TILT*	HH6190-3 / **038-61900-3**	HP6032 / **037-60320**
SEASTAR PRO 2.0 - CLASSIC TILT*	HH6574-3 / **038-65740-3**	HP6032 / **037-60320**
SEASTAR PRO 2.4 - FRONT MOUNT	HH5772-3 / **038-57720-3**	HP6032 / **037-60320**

Designed for the performance boater, SeaStar Pro is the ultimate steering system for high-speed single engine outboards. As the premier Seastar Solutions No Feedback System, SeaStar Pro delivers uncompromising steering control! Suited for all those critical high speed outboard powered boat applications like Bass, Flats, Combo Race and Ski, and other performance boats capable of speeds in excess of 60 MPH. SeaStar PRO has steered the Bass Masters since 1994 and it's the choice of high performance outboard boat builders.

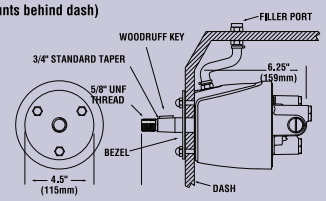
HYDRAULIC HELM MOUNTING OPTIONS

SeaStar offers a variety of helm mounting options to accommodate nearly any preference. Options are available for all helms, except Capilano and Hynautic helms.
SeaStar hydraulic helms typically mount on the dash surface with the steering shaft at 90° to the dash.
A SeaStar rear mount helm is also available for concealed (behind the dash mounting).
Optional kits are available to reduce the SeaStar helm protrusion from the dash, or to cover dash holes left by steering systems previously installed on the boat.

SEASTAR FRONT MOUNT HELM
(mounts on front of dash)



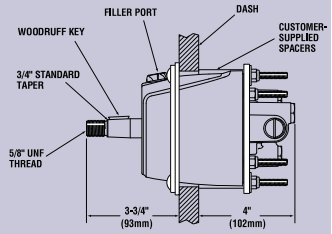
SEASTAR REAR MOUNT HELM
(mounts behind dash)



ROUND BEZEL KIT

The round bezel kit reduces SeaStar helm protrusion from the front of the dash by 3.75". (Not for BayStar).
ORDER NO. 033-54780
Mfr. No. HA5478

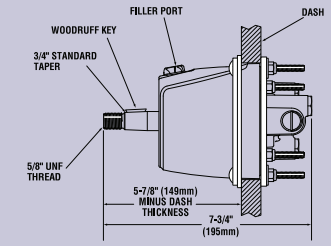
SEASTAR HELM MOUNTING KITS:
HA5478 ROUND BEZEL KIT



BACK PLATE KIT

The back plate kit reduces SeaStar helm protrusion from the front by the thickness of the dash and allows clean retrofit of SeaStar helm where following helms were previously installed: pre-1991 SeaStar, Syten, or mechanical rotary steering. (Not for BayStar).
ORDER NO. 033-54180
Mfr. No. HA5418

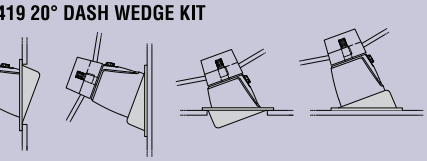
HA5418 BACK PLATE KIT



20° DASH WEDGE KIT

The 20° dash mounting wedge kit allows a SeaStar helm to be mounted 20° from perpendicular in any of four configurations. (Not for BayStar).
ORDER NO. 033-54190
Mfr. No. HA5419

HA5419 20° DASH WEDGE KIT



For more information see: www.dometic.com

HYDRAULIC STEERING CYLINDERS

BAYSTAR OUTBOARD CYLINDERS

This balanced cylinder features a compact design that fits most splashwells. BayStar allows you to install all of the safety, reliability and comfort of hydraulic steering onto your boats rated up to MAX. 150HP. Combine this with the superior design, rigid ISO quality control and teamed with the finest materials and precision manufacturing.
BayStar continues the tradition bringing comfort and safety to boating.

NOTE: Mercury Optimax should use SeaStar cylinders
Not recommended for use on high performance engines

DESCRIPTION	CYLINDER NUMBER
Outboard Compact Cylinder	HC4645-3 / **036-46450-3**
Outboard Compact Cylinder - Honda	HC4647-3 / **036-46470-3**
Outboard Compact Cylinder - short plate	HC4648-3 / **036-46480-3**
Outboard Compact Cylinder - Yamaha	HC4658-3 / **036-46580-3**

THE NEW SEASTAR OUTBOARD STEERING CYLINDERS

SeaStar Solutions, the leader in hydraulic and mechanical marine steering, has introduced a new outboard hydraulic cylinder featuring upgrades to the barrel, sealing system and fittings. These upgrades are designed to keep pace with the introduction of heavier higher horsepower engines found on today's new boats.

Note: Order numbers ending with -3 represent updated cylinder style.

SEASTAR FRONT MOUNT OUTBOARD CYLINDERS

SeaStar Outboard Hydraulic Steering offers three models of steering cylinders to suit most applications. The standard and most commonly used model is the Front Mount Steering Cylinder HC5345-3/47/48/58. Before ordering it is necessary to determine the best possible application for your boat, taking into account the hull design, speed and usage of the boat. Keep in mind that engines today have become larger, more powerful and heavier than in the past.

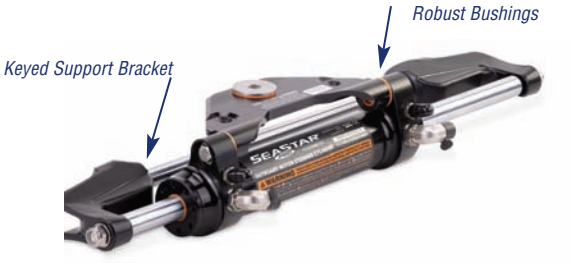
DESCRIPTION	CYLINDER NUMBER
Outboard FM PP Cylinder	HC5345-3 / **036-53450-3**
O/B FM PP Cylinder (115-130HP Honda)	HC5347-3 / **036-53470-3**
O/B FM PP Cylinder ('77-'90 OMC)	HC5348-3 / **036-53480-3**
O/B FM PP Cylinder (225HP 4-Stroke Yam.)	HC5358-3 / **036-53580-3**

SEASTAR PRO FRONT MOUNT OUTBOARD CYLINDERS

The SeaStar Pro Front Mount Outboard Cylinders have keyed support brackets to prevent racking of the cylinder which gives it a more solid feel and more robust bushings.

SeaStar PRO Outboard cylinders are suited for all those critical high speed, single powered outboard boats, like Bass, Flats, combo Race/Ski and other performance orientated boats capable of speeds in excess of 65mph. All SeaStar PRO systems require the use of a SeaStar PRO helm and SeaStar PRO (1500psi) reinforced Kevlar hoses only!

DESCRIPTION	CYLINDER NUMBER
Outboard Pro FM PP Cylinder	HC6345-3 / **036-63450-3**
O/B Pro FM PP Cylinder (Yamaha)	HC6358-3 / **036-63580-3**



SEASTAR TOURNAMENT SERIES CYLINDERS

Extreme heavy duty cylinders and tie bars designed for primarily high performance multiple engine applications. Also available for single engine applications. This heavy duty universal cylinder features reversible bolt on stainless steel tie bar plates that are suitable for use with all SeaStar Helms and SeaStar Power Assist.

DESCRIPTION	CYLINDER NUMBER
Outboard Tournament Series Cylinder, Front Mount	HC6845 / **036-68450**
Outboard Tournament Series Cylinder, Front Mount comes with Single Engine Hardware Kit	HC6845S / **036-68450-S**

Note: Order numbers ending with -3 fitted with positionable O-Ring Fittings

For more information see: www.dometic.com

DOMETIC OUTDOOR

SEASTAR SIDE MOUNT OUTBOARD CYLINDERS

This cylinder is suitable for installation in shallow splashwells and use on engines fitted with power steering. This unbalanced cylinder is 4.8/5.7 turns lock to lock. Typical applications include centre console fishboats and cruisers. For single and multiple outboard engine installations with total power to 600 HP in counter rotating application.

NOTE: Not for use with SeaStar Pro helms.

DESCRIPTION	CYLINDER NUMBER
O/B Cylinder Kit, Side Mount, Unbalanced . . .	HC5370-3 / **036-53700-3**

SEASTAR SPLASHWELL MOUNT OUTBOARD CYLINDERS

This cylinder is a light duty alternative to front & side mount cylinders. It is unbalanced with 5.5/6.5 turns lock to lock and fits engines with/without support (steering) tube. The splashwell mount cylinder is for single & multiple engine capability and has total power to 600 HP in counter rotating application. It can be transom or hull mounted cylinder.

NOTE: Not for use with SeaStar Pro helms.

DESCRIPTION	CYLINDER NUMBER
O/B Splashwell Mount Cylinder	HC5380-3 / **036-53800-3**

SEASTAR INBOARD CYLINDERS

These cylinders are for single and dual rudder vessels with two axis articulation and easy autopilot interface. Cylinders are also supplied with bleeder fittings.
The cylinders HC53XX-3 are redesigned cylinders with the following features:
- All anodized aluminum construction
- Adjustable o-ring sealed ports
- Common components (i.e. end glands, pistons, seals)

DESCRIPTION	CYLINDER NUMBER
SeaStar Cylinder, BA 125 ATM,I/B Type.	HC5312-3 / **036-53120-3**
SeaStar Cylinder, BA 135 ATM,I/B Type.	HC5313-3 / **036-53130-3**
SeaStar Cylinder, BA 150 ATM,I/B Type.	HC5314-3 / **036-53140-3**

SEASTAR STERNDRIVE CYLINDERS

This cylinder fits most power and nonpower assist sterndrives. It can be used on single and multiple drives with multiple steering station connection. This cylinder features simple autopilot interface.

DESCRIPTION	CYLINDER NUMBER
SeaStar Cylinder, BA 150-7EM, S/DType	HC5326-3 / **036-53260-3**
SeaStar Cylinder, 125-8VEM	HC5329-3 / **036-53290-3**
SeaStar Cylinder, 125-8EM	HC5328-3 / **036-53280-3**
SeaStar Cylinder, BA 125-8EMV, S/DType . . .	HC5330-3 / **036-53300-3**
SeaStar Cylinder, I/O Model 92VPS	HC5331-3 / **036-53310-3**
SeaStar Cylinder, S/D (Mercruiser &	HC5332 / **036-53320**
Volvo SX non PA)	

Note: Order numbers ending with -3 fitted with positionable O-Ring Fittings

For more information see: www.dometic.com

SEASTAR POWER ASSIST STEERING SYSTEM:

DOMETIC OUTDOOR

SeaStar Power Assist steering dramatically reduces steering effort in heavy or high torque applications. Power assisted steering delivers exceptional performance and unparalleled levels of safety and comfort, even in the most extreme conditions.

FEATURES:

- Dramatically reduces steering effort
- Wall or Floor mount
- Easy to install
- OEM or retro-fit
- Compatible with power purge system
- Simple add-on to an existing SeaStar steering system (from 1.4 to 2.4 SeaStar helms)
- Return to manual in failure mode
- Suitable for use with autopilots
- 12V or 24V operation
- Wiring harness included
- Ignition protected (SAE J-1171)
- ABYC, CE, NMMA, ISO 10592 Approved

SYSTEM OVERVIEW:

The SeaStar Power Assist unit can be installed on new SeaStar steering installations or as an easy retro-fit to existing systems.

Suitable for most boat types, the SeaStar Power Assist uses an electronically controlled hydraulic pump to provide on-demand power steering. It is installed into the hydraulic steering circuit between the helm and steering cylinder. The Power Assist unit is powered from the boat's battery and adjusts automatically to the input voltage (12V or 24V).

The SeaStar Power Assist can be used on boats with multiple engines and rudders, multiple steering stations and autopilots.

If power to the unit is interrupted for any reason, the steering system will automatically return to manual operation without any change to the number of lock-to-lock turns. In this case, the steering will of course be heavier than with the Power Assist activated.

SEASTAR POWER ASSIST PRO

Specifically designed for high torque single engine outboard applications fitted with SeaStar Pro helms, such as performance bass boats.

COMPLETE SYSTEMS

DESCRIPTION	MFR.NO.	ORDER NO.
Power Assist, 15' Harness	PA1200-2	034-12000
Power Assist, 25' Harness	PA1225-2	034-12250
Power Assist PRO, 15' Harness	PA1315-2	034-13150

OPTIONS

DESCRIPTION	MFR.NO.	ORDER NO.
Dual Ignition Control Kit	HA1201	033-12010
Harness Fuse Kit	HA1206	033-12060

TECHNICAL SPECIFICATIONS

Voltage	12V or 24V (automatically recognized)
System Pressure	1000 psi MAX (1500 psi MAX Power Assist Pro)
Current Draw	40 A MAX, 60 A Peak (1 A System Electronics)

TYPICAL APPLICATIONS

- 150hp+ single outboards
- Heavy 4-stroke outboards
- Twin/Triple outboards
- High performance bass boats (SeaStar Power Assist Pro)
- Non-counter-rotating twin outboards

WHY USE POWER ASSIST?

Today's high horsepower engines are much heavier and are producing more propeller torque than ever before. Naturally this additional weight and torque has an effect on the boat's steering when these loads are transferred to the wheel. Unacceptable levels of steering load can increase driver fatigue and discomfort. The SeaStar Power Assist virtually eliminates all steering loads and provides modern boaters the same level of steering comfort and control found in cars. Even in the most extreme applications, the boat will be more comfortable to steer. The SeaStar Power Assist allows the boat to be driven safely and easily by the whole family.

FAST & EFFICIENT

SeaStar / BayStar Power Purge Jr. is the quickest way to bleed a SeaStar/BayStar system in the field and assure a rock-solid steering feel every time!

The Power Purge Jr. reduces installation and warranty costs while enhancing the quality of the boat to the end user. A typical manual fill and purge takes the average experienced installer or service technician about 30 minutes per boat - by using the **Power Purge Jr.** this can be reduced to 10 minutes or less.

POWER PURGE, JR. FEATURES:

- Makes bleeding systems simple, ensuring steering feel is solid every time
- 100% portable
- Powered by 12v battery
- Fast and efficient set up
- Quick connect fittings
- Easy to operate
- Filter screens help keep contamination out of your steering system
- Complete Fill & Purge in 10 minutes or less

ORDER NO. 033-54450 Mfr. No. HA5445-2

LOW PROFILE HOSE FITTING KIT

ORDER NO. 037-61490 Mfr. No. HP6149

For more information see: www.dometic.com

DOMETIC OUTDOOR

HYDRAULIC HOSE/TUBING

1. OUTBOARD HOSE KITS
2. NYLON TUBING
3. COPPER TUBING

For Outboards

For Baystar System. Use BayStar hydraulic tubing (see below)

*For Seastar 1.7 systems: Use SeaStar hydraulic hose **# 039-51 xx 0** or SeaStar Pro hydraulic hose **# 039-57 xx 0** Outboard hose must be ordered in standard lengths.
(Cannot be cut to length. xx = Length of hose. See chart.)

*For SeaStar 2.0 & 2.4 & SeaStar PRO systems:
Use SeaStar Pro hose **# 039-57 xx 0** or 3/8'' dia. copper tubing + hose kit **# 037-55080**. SeaStar outboard hose kits are recommended.
(xx = Length of hose. See chart).

For Stern Drives

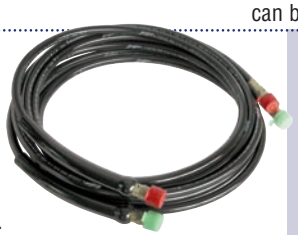
*For SeaStar 1.7 systems: Use SeaStar hydraulic hose **# 039-51 xx 0** or SeaStar Pro hydraulic hose **# 039-57 xx 0** or 3/8" dia. nylon tubing **# 041-51011** (per ft.). (xx = Length of hose).
*For SeaStar 2.0 & 2.4 systems: Use SeaStar hydraulic hose **# 039-51 xx 0** or SeaStar Pro hose **# 039-57 xx 0** or 3/8" dia. copper tubing + hose kit **# 037-55080**. (xx = Length of hose).

For Inboards

SeaStar systems:
For systems 1, 2 & 3 *(See Page 33)* 3/8" dia. nylon tubing **# 041-51011** (per ft.) is standard requirement for plumbing the system. Copper Tubing (3/8" diameter) can be substituted but Fitting Kit **# 037-55070** is required.
For systems 4 & 5 Copper Tubing (3/8" diameter) is the standard requirement for plumbing the system. Fitting Kit **# 037-55080** is required.
For systems 1-5 SeaStar outboard hose **# 039-51 xx 0** or **# 039-57 xx 0** can be substituted for nylon or copper tube. (xx = Length of hose. See chart).

1. OUTBOARD HOSE KITS

SEASTAR OUTBOARD HOSE KIT (HO 51XX)



Includes two hoses - can be used with all SeaStar systems, except SeaStar PRO, BayStar, Capilano and 3-line inboard systems.

ORDER NO.	Length	ORDER NO.	Length
039-51020	2-ft. / 0.6M	039-51160	16-ft. / 4.88M
039-51030	3-ft. / 0.9M	039-51180	18-ft. / 5.49M
039-51040	4-ft. / 1.22M	039-51200	20-ft. / 6.10M
039-51080	8-ft. / 2.44M	039-51220	22-ft. / 6.71M
039-51100	10-ft. / 3.05M	039-51240	24-ft. / 7.32M
039-51120	12-ft. / 3.66M	039-51300	30-ft. / 9.14M
039-51140	14-ft. / 4.27M	039-51340	34-ft. / 10.36M

SEASTAR PRO OUTBOARD HOSE KIT (HO 57XX)

ORDER NO.	Length
039-57140	14-ft. / 4.27M
039-57160	16-ft. / 4.88M
039-57180	18-ft. / 5.49M
039-57200	20-ft. / 6.10M
039-57220	22-ft. / 6.71M

Includes two hoses - can be used with all SeaStar/BayStar Steering Systems.

NOTE: Each OUTBOARD HOSE KIT contains (2) Hoses of equal length. Hose Kits are available in lengths from 2' to 30' from Seastar Solutions. If not indicated on above chart a special order can be placed.

2. NYLON TUBING

BAYSTAR TUBING KITS

Can be used with all BayStar helms, with appropriate fittings. Kit contains two cut lengths of tubing.

(NOTE: BayStar Cylinders with H suffix must use tubing part number with H suffix.)

DESCRIPTION	ORDER NO.	Mfr. No.
20' kit (2 x 20' lengths tubing):	039-44250	HT4420H
30' kit (2 x 30' lengths tubing):	041-44300	HT4430H

NYLON TUBING (HT5100) PER FT.

3/8" O.D. (outside diameter)
ORDER NO. 041-51011 (per ft.)

Can be used with SeaStar 1.7 helms on stern drives (except with 036-53320 cylinder) and small inboards with fitting kit; do not use on outboard systems.
NOTE: SeaStar 3/8" extruded nylon tubing is not recommended for use in systems with SeaStar Pro 2.4 helms or SeaStar HP helms. It is also not to be used systems where the total length of tubing run exceeds 100 feet. In these cases outboard hose and/or 3/8" copper tubing must be used.

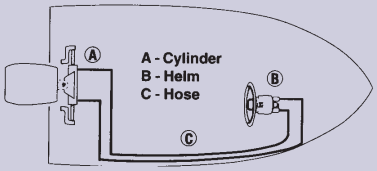
HOW TO DETERMINE HOSE/TUBING LENGTH

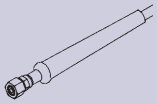
Select the situation which best suits your application, noting:
a) Cylinder location
b) Number of cylinders
c) Type of cylinders
d) Number of steering stations and
e) The number of hose and fitting kits required

Then define the hose/tubing lengths and fitting kits required:
1) Note the number of hose and fitting kits required.
2) Measure along the intended path of the hose/tube routing for each of the required hose kits.
a) Measure from centre of the cylinder(s) and helm(s).
b) Some installations require more than 1 hose kit and additional fitting kits.
c) Minimum bend radius for outboard hose is 2-1/2" (6 cm).
d) Outboard cylinders move. They are subject to engine trim & tilt; enough slack must be left in hoses to prevent kinking.
e) Systems using copper tubing require installation of flexible cylinder hose between the cylinder and the copper tubing.
3) Round the measurement up to the next even digit and add 2 feet (0.6m). This is the length of the hose/tubing required.
(See also Outboard, Stern Drive & Inboard Steering Sections of this catalogue for part number and application information.)

NOTE: Outboard hoses are supplied with pre-attached hose fittings on both ends. In order to prevent hose kinking, bend restrictors are supplied on one end of each hose in the kit. The end of the hose with the bend restrictor is to be attached to the cylinder.

Typical Single Station Routing





Seastar Steering Hose Typical End Detail

A single, front-mount outboard cylinder system is shown in this diagram. If your hydraulic system is different than the one depicted and/or you have any questions about hydraulic steering after reviewing this catalogue, please contact our technical department.

3. COPPER TUBING

3/8" outside diameter copper tubing is recommended for inboard, stern drive and seadrive steering systems with SeaStar II (2.4 cu.in/rev displacement) helms only, or where the length run exceeds 100 ft. Additional SeaStar hose kit # 037-55080 is required to connect the tubing to the cylinder.
NOTE: 3/8" copper tubing should be obtained through a local vendor.
SPECIFICATION: Soft Annealed Copper Tubing / 0.032 wall thickness / 3/8" outside diameter, Type 'L' produced under ASTM D-280.

DOMETIC OUTDOOR

SEASTAR HYDRAULIC OIL

Due to recent upgrades in our steering system components, Dometic recommends the use of SeaStar Steering Fluid ONLY in our hydraulic steering systems. SeaStar Steering Systems have been engineered and validated using our proprietary SeaStar Hydraulic Steering Fluid. SeaStar Steering fluid is engineered with special additive package that contains anti-foaming and anti-rusting agents, anti-oxidants, viscosity stabilizers, corrosion inhibitors, wear additives as well as water emulsification additives. It is highly recommend that SeaStar Steering Fluid be used to ensure optimum system performance and safety.

ANY NON-APPROVED FLUID MAY CAUSE SERIOUS DAMAGE TO THE STEERING SYSTEM RESULTING IN POSSIBLE LOSS OF STEERING, CAUSING PROPERTY DAMAGE, PERSONAL INJURY AND/OR DEATH

1 Litre Bottle. **ORDER NO. 033-54300**
4 Litre Bottle. **ORDER NO. 033-54400**
18.9 L Pail. **ORDER NO. 033-54580**

For more information see:
www.seastarsolutions.com

FILLER KIT

For SeaStar & Syten Helms
Filler Kit with Screw-On Cap
to fit Oil Bottle
ORDER NO. 033-54380

FILLER PLUGS

VENT PLUG

- For use with SeaStar helms
- Must be used on helm pump on single steering station systems
- Must be used on upper-most helm pump only on multi-steering station systems
- Colour: Black Cap-Silver Threads

ORDER NO.	Mfr. No.	Description
033-61260	HP 6126	Vented 5Pk.

NON-VENT PLUG

- Must be used on all helm pumps other than upper-most helm pump on multi-steering station systems.
- This non-vent plug is supplied with additional station fitting kit no. 037-55010 and 037-55020.
- Colour: Black Cap-Silver Threads

ORDER NO.	Mfr. No.	Description
033-54320	HA 5432	Non-Vented

HYDRAULIC STEERING HARDWARE KITS

HP6013 / **ORD. # 037-60130**
SS Rod End Ball Joint
5/8" hole, 5/8" x 18UNF thread

HP6019 / **ORD. # 037-60190**
SS Rod end ball joint
3/4" hole, 3/4" x 16 UNF thread

HP6032 / **ORD. # 037-60320**
Service Kit for SeaStar Helms,
except commercial Helms

HP6033 / **ORD. # 037-60330**
Mounting hardware for
O/B pivot plate cylinder

HP6036 / **ORD. # 037-60360**
Spacer kit
for O/B front mount cylinder

HP6037 / **ORD. # 037-60370**
Service kit
for SeaStar commercial helms

HP6052 / **ORD. # 037-60520**
Bezel, for tilt helms **Traditional Tilts Only**

CYLINDER SERVICE KIT

NEW!

Designed to make servicing the hydraulic cylinder easier.
Complete kit includes bleeder wrench, end gland wrench pin.
Fits 4-hole & 8-hole end gland. Compact design.

HS5300 / **ORD. # 034-53000**

For more information see: www.dometic.com

DOMETIC OUTDOOR

HELM PARTS, FITTINGS

Comes with every SeaStar helm. Must be used in all single steering station systems or on uppermost helm in multiple steering stations.

ORDER NO.	Mfr. No.	Description
033-61260	HP6126	**Vented Fill Plug (5 PK)**

For use on lower station in multi-station systems only. Included with kits HF6007 and HF6010.

ORDER NO.	Mfr. No.	Description
033-54320	HA5432	**Non-Vented Fill Plug**

This helm service kit is for use with all Baystar and SeaStar helms except: HH5279, HH5280, HH5281, HH5217, HH5224, HH4015, and HH4016. Kit contains: 1 quad ring seal, 1 woodruff key, 1 wheel shaft nut, 1 top plate, 4 nyloc nuts- 1/4" NC and 4 flat washers 1/4".

ORDER NO.	Mfr. No.	Description
037-60320	HP6032	**Helm Service Kit**

CYLINDER PARTS

ORDER NO.	Mfr. No.	Description
034-51570	HS5157	**Front Mount Cylinder Seal Kit**

Replacement front seal kit for SeaStar front mount cylinders except PRO models. (HC5345/HC5347/HC5348/HC5358/HC5343/HC5340/HC5342/HC5365). Includes 2 seal glands, pin wrench and guide tool.

Available separately:
Seal Gland (Mfr. No.724124),
Seal Gland Assembly Guide Tool (Mfr .No. 745920),
Pin Wrench (Mfr. No.745525).
(Includes items B, C & D in illustration.)

ORDER NO.	Mfr. No.	Description
037-61450	HF6145	**Front Mount Cylinder Elbow Fitting**

Elbow fitting for HC5345/HC5347/HC5348/HC5358 SeaStar front mount cylinder. (Item F in illustration.)

ORDER NO.	Mfr. No.	Description
037-55480	HF5548	**Front Mount Cylinder Bleed Fitting**

2 Bleed fittings, 2 O-rings and 2 soft caps for HC5345/HC5347/HC5348/HC5358. SeaStar front mount cylinders. (Item E in illustration, caps not shown.)

ORDER NO.	Mfr. No.	Description
037-55200	HF5520	**Cylinder Bleeder Tee Fitting Set**

Pair of bleeder tee fittings for older-style standard and compact SeaStar front mount cylinders (HC5342/HC5340/HC5365), side mount cylinders (HC5370-3), and splashwell mount cylinders (HC5380-3).

ORDER NO.	Mfr. No.	Description
037-55210	HF5521	**Vertical Bleeder Fitting Set**

Pair of 90-degree fittings with integrated vertical bleeders for use where clearances are tight.

ORDER NO.	Mfr. No.	Description
037-55130	HF5513	**Bulkhead Fitting Kit 3" Max Single Cylinder.** Includes: (x2) Connector Fitting and Nipple; (x2) Street Elbow-3/8" Tube (M), 1/4" NPT (F) ...

HF5513

NEW!

SEASTAR SERVICE PARTS

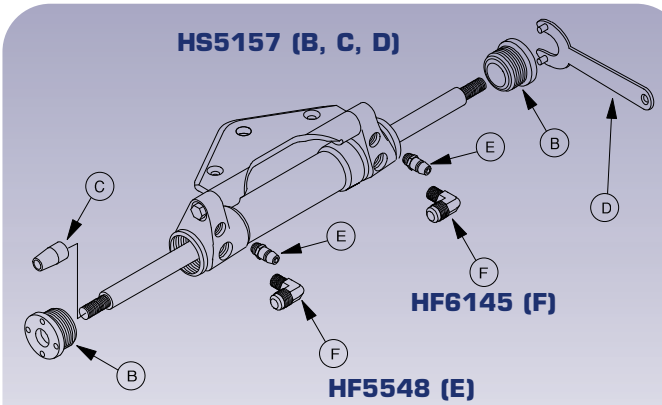
HP6126

HA5432

SERVICE KIT-SEASTAR HELMS HP6032 (A)

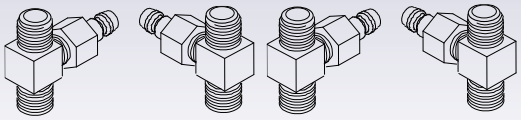
ORDER NO. 037-60320

HS5157 (B, C, D)



HF6145 (F)

HF5548 (E)



HF5520 HF5521

For more information see: www.dometic.com

HYDRAULIC STEERING FITTINGS & HARDWARE KITS

DOMETIC OUTDOOR

All SeaStar Manual Hydraulic steering systems utilize the same style of fittings for all applications.
These are 3/8" compression fittings which utilize a 9/16" - 24 extra fine thread.
CAUTION: NPT fittings are not to be used in a -3 helm and/or cylinder. Doing so will result in irreparable damage to the helm/cylinder. ONLY use a SeaStar Solutions ORB Hose Fitting in a -3 helm and/or cylinder. *SEE Page 43*

(2) per kit

HF5518 / **ORD. # 037-55180**
Vertical Bleeder Tee ✶

(2) per kit

HF5519 / **ORD. # 037-55190**
Bleed Tee (TM Cylinders)

(2) per kit

HF5520 / **ORD. # 037-55200**
Horizontal Bleeder Tee ✶☆

(2) per kit

HF5521 / **ORD. # 037-55210**
Vertical Bleeder Tee ✶☆

(2) per kit
Includes O-ring. For use with Front Mount Cylinder ONLY.

HF5548 / **ORD. # 037-55480**
Bleed Nipple 1998 - Date Cylinders

(3) per kit

HF5527 / **ORD. # 037-55270**
Union Coupling Fitting

(3) per kit

HF5528 / **ORD. # 037-55280**
Straight Fitting ✶

(3) per kit

HF5532 / **ORD. # 037-55320**
Connector Fitting

(3) per kit

HF5529 / **ORD. # 037-55290**
Elbow Fitting ✶

(3) per kit

HF5534 / **ORD. # 037-55340**
Elbow Fitting

(3) per kit

HF5538 / **ORD. # 037-55380**
Street Elbow

(2) per kit

HF5540 / **ORD. # 037-55400**
45° Fitting ✶

(3) per kit

HF5533 / **ORD. # 037-55330**
Tee Fitting

(3) per kit

HF5531 / **ORD. # 037-55310**
Tee Fitting ✶

(3) per kit

HF5530 / **ORD. # 037-55300**
Tee Fitting

(3) per kit

HF5536 / **ORD. # 037-55360**
Tee Fitting ✶

(2) per kit
.

HF5566 / **ORD. # 037-55660**
Adapter Fitting

(3) per kit

HF5524 / **ORD. # 037-55240**
Cap Plug Nut

(6) per kit
For use with 3/8" Nylon and/ or 3/8" copper tubing

HF5526 /
ORD. # 037-55260
Tube Nut

(2) per kit
3/8" NPT Male to 1/4" NPT Female

HF5535 / **ORD. # 037-55350**
Reducer Fitting

HP4600 / **ORD. # 037-46000**
Gland Kit
BayStar compact cylinder

HP5607 / **ORD. # 037-56070**
Gland Kit
BayStar cylinder HP5607 port side

HP6031 / **ORD. # 037-60310**
Mounting Hardware and slide plate for O/B cylinder HC5340 and HC5342 Only

✶ NOT for use with - 3 cylinders/helms
☆ NOT for use with Baystar

For more information see: www.dometic.com

DOMETIC OUTDOOR

ORB FITTINGS & FITTING KITS

These fittings are made of corrosion resistant stainless steel and now thread into the cylinders/helms via Positionable O-ring hose ports. Fittings can be easily orientated in any direction to accommodate tube routing.

NOTE: For use with -3 helms and cylinders only. NOT for use in an NPT helm/cylinder hose fitting port.

POSITIONABLE O-RING HOSE FITTINGS (ORB)

(2)Per Kit

HF6001/**ORDER NO. 037-60010**
Horizontal Hose Fitting

(2)Per Kit

HF6002/**ORDER NO. 037-60020**
Horizontal Hose Fitting

(2)Per Kit For use with Hynautic 5/16" or 3/8" HOSE

HF6003/**ORDER NO. 037-60030**
Horizontal Hose Fitting

(2)Per Kit

HF6004/**ORDER NO. 037-60040**
Elbow Fitting

(2)Per Kit

HF6005/**ORDER NO. 037-60050**
Tee Fitting

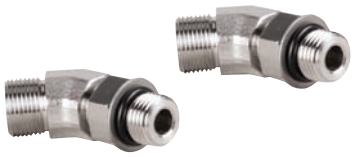
(2)Per Kit

HF6006/**ORDER NO. 037-60060**
Tee Fitting

(2)Per Kit

HF6009/**ORDER NO. 037-60090**
Straight Fitting

(2)Per Kit



HF6011/**ORDER NO. 037-60110**
45º Elbow Fitting

(3)Per Kit

HF6012/**ORDER NO. 037-60120**
-5 ORB (M)–1/4 NPT(F)

ADD A STATION OR AUTOPILOT FITTING KITS

HF6007 – ORB ADD HELM, O/B KIT

Fitting kit to add a second station or autopilot to an outboard system. To be used when the system has been plumbed with SeaStar outboard steering hose only.

Kit Contains:
Tee Fitting x 2
Connector Fitting x 2
Connector Fitting x 3
Tube Nut x 6
Non-Vented Filler Plug x 1
SeaStar Nylon Tubing 1 x 25 ft
Elbow x 2 (Supplied with Helm Pump))

ORDER NO. 037-60070
Mfr. No. HF6007
Note: Outboard hoses not included in kit.
Purchase separately Order No. 039-51XX0
See Page 39

Note:
For NPT add Helm Kits, See Page 44.

HF6010 – ORB ADD HELM, I/B KIT

Fitting kit to add a second station or autopilot to an inboard or sterndrive system. To be used in systems plumbed with 3/8" diameter nylon or copper tube.

Kit Contains:
Tube Nut x 12
Connector Fitting x 2
Connector Fitting x 2
Tee Fitting x 2
Non-Vented Filler Plug x 1
Tube Nut x 2 (Supplied with Helm Pump)
Elbow x 2 (Supplied with Helm Pump)

ORDER NO. 037-60100
Mfr. No. HF6010
Note: Hoses not included in kit.

SEAL KITS - HELMS & CYLINDERS

HELMS

DESCRIPTION	MFR.NO.	ORDER NO.
Seal Kit, SeaStar Helm HH5201 / HH5202 / HH5220 / HH5241 / HH5242 / HH5741 / HH5742	HS 5151	034-51510
Seal Kit, SeaStar Helm 250V / 275V / 1250V / 1275V	HS 5161	034-51610
Seal Kit, SeaStar Helm 1350 / 1350S	HS 5171	034-51710

CYLINDERS

DESCRIPTION		ORDER NO.
Seal Kit, O/B Cylinder HC5340 / HC 5342 "Snap-Ring" version	HS 5152	034-51520
Seal Kit, O/B Cylinder with wrench ("screw-in-end" gland) HC5340 / HC5342 / HC5365 HC5345 HC5347 / HC5348 / HC5358 HC5343	HS 5157	034-51570
Seal Kit, O/B Cylinder without wrench ("screw-in-end" gland) HC5340 / HC5342 / HC5365 HC5345 HC5347 / HC5348 / HC5358 HC5343	HS 5167	034-51670
Seal Kit, O/B Cylinder HC 5370 / OEMHC5371	HS 5153	034-51530
Seal Kit, O/B Cylinder HC 5380	HS 5155	034-51550
Seal Kit, O/B Cylinder 125 BA/EM, MV,BJ/ATM,EMV (Alum.)	HS 5154	034-51540
Seal Kit, O/B Cylinder 135 BA/EM, MV, BJ/ATM,EMV(Alum.)	HS 5155	034-51550
Seal Kit, O/B Cylinder 150 BA/EM, MV, BJ/ATM,EMV(Alum.)	HS 5156	034-51560
Seal Kit, O/B Cylinder 150-7 BA / STD , TR, TM (BRASS)	HS 5182	034-51820
Seal Kit, O/B Cylinder 175-7 BA / TR, TM (BRASS)	HS 5183	034-51830
Seal Kit, O/B Cylinder 200-7 BA / STD, TR, TM (BRASS)	HS 5184	034-51840

DOMETIC OUTDOOR

FITTING KITS - ADD A 2ND STATION

Note: For NPT Helms Only

DESCRIPTION	MFR.NO.	ORDER NO.
Kit to add a 2nd station or autopilot to an outboard system	HF5501	037-55010
Kit to add a 2nd station or autopilot to an inboard or sterndrive system	HF5502	037-55020

HYDRAULIC STEERING

Part numbers NOT catalogued, but are in stock or superceded.

DESCRIPTION	MFR.NO.	ORDER NO.
Cylinder Rod End Adapter	HA5424	033-54240
Adapter Mount	HA5425	033-54250
Fill Vent Plug Kit	HA5450	033-54500
Bulkhead Fitting Kit – ¾" max., Single Cylinder	HF5512	037-55120
Bulkhead Fitting Kit – 3", Max. Single Cylinder	HF5513	037-55130
Bulkhead Fitting Kit – ¾" max., Twin Cylinder	HF5514	037-55140
Bulkhead Fitting Kit – 3", Max. Twin Cylinder	HF5515	037-55150
Elbow Fitting, 4-Pack	HF6023	037-60230
Tube Fitting to T-Flare 44-6, 3-Pack	HF6024	037-60240
Connector Fitting, 3-Pack	HF6025	037-60250
Capilano Helm Pump – (1275V)	HH5275	038-52750

Note:
Please call our Technical Department for Hynautic Steering Parts, Cylinders, Reservoir, Reservalves, Helm & Cylinder Seal Kits.

For more information see: www.dometic.com

REMOTE BULKHEAD FITTINGS

These remote bulkhead fittings offer boaters a simple solution to cleanly route hoses through the hull while maintaining safety & aesthetics. Available in both single or dual hose applications for ultimate customization. Stainless steel options provide cleaner styling & corrosion resistance while blending in with your boat's stainless trim.

KEY BENEFITS

- Field installable series of products reduces the amount of stocking hose SKUs by allowing the user to install these on a standard hose kit
- Split grommet design allows for easy installation onto a hose assembly
- Increased inner diameter of plastic base plate simplifies fitting installation by allowing crimped hose fitting to pass through the base plate
- Stainless steel cover plates available for both single and dual applications provide cost effective cosmetic upgrade

Kit: Field installed Bulkhead.

NEW!

ORDER NO.	Mfr. No.	Description
039-71000	H07100	**Single Hose, Stainless, pair**
039-71050	H07105	**Single Hose, Plastic, pair**
039-72000	H07200	**Dual Hose, Stainless, each**
039-72050	H07205	**Dual Hose, Plastic,each**

GLOVE BOX LOCK

NEW!

- Black sculpted knob
- Turn to open mechanism - no finger pull
- Can be locked or left in latch only position
- Totally corrosion resistant Black glass reinforced polyester
- Supplied with 2 keys
- 1" hole size

ORDER NO.051-49410-1 Mfr. No. MP49410-1

CAM LOCKS

NEW!

- Secure lockers, hatches, compartments & drawers
- Hole Size: 3/4"
- Offset: +/-1/4"
- Grip length from center of hole: 1-1/4"

051-49310

051-49320

051-49330

ORDER NO.	Mfr. No.	Max. Panel Thickness
051-49310	CL49310	5/8" Depth
051-49320	CL49320	7/8" Depth
051-49330	CL49330	1-1/8" Depth

For more information see: www.catalog.sierraparts.com

DETMAR steering wheels are designed and manufactured to meet the rigorous physical and environmental demands of marine and other outdoor applications. All wheels are built around heavy duty, non-magnetic, high impact plastic frameworks with hard and soft rim options available. All black and coloured materials used are completely U.V. resistant.
All products meet ABYC P-22 and ISO 8848 standards.
Fit all standard 3/4" tapered shafts.

VIPER

This highly - styled, sport wheel provides a distinctive, clean appearance from front and rear viewing angles.

Features include:
- Hard and soft grip rim options.
- Texture/finish - rim is leather grained with finger grips and stitching.
- Wheel Diameter: 13-1/2"
- Dish: 4.0"

ORDER NO.	DESCRIPTION	Mfr. No.
122-50200	Viper Wheel - Soft Rim	12-2502AC
122-50300	Viper Wheel - Hard Rim	12-2503AC
122-54000	Replacement Centre Only	12-2540

LEGEND

The Legend wheel series offers an advanced four-spoke design. The steering wheel's highly contoured three dimensional shape integrates well with the latest ergonomic interior designs. Hard grip and soft grip rim options feature rich leather grain, stitching and finger grips.
Wheel Diameter: 13-1/2"
Dish: 3-7/8"

ORDER NO.	DESCRIPTION	Mfr. No.
122-82000	Legend Wheel - Soft Rim	12-2820AC
122-80000	Legend Wheel - Hard Rim	12-2800AC
122-90000	Centre Only	12-2900

For more information see: www.detmarcorp.com

MARINE STEERING WHEELS

FOR HELMS WITH STANDARD ROUND 3/4" TAPERED SHAFTS

DOMETIC OUTDOOR

ACE
ORDER NO. 083-59691

CHAMPION (W/CAP)
ORDER NO. 105-59291

STEALTH (W/COVER)
ORDER NO. 083-59401

STEALTH (W/CAP)
ORDER NO. 083-59491

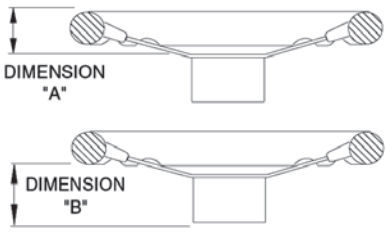
TALON
ORDER NO. 083-56811*

VIPER
ORDER NO. 083-52022

FEATURES:

- Beautiful, high-detail styling.
- Rugged construction for marine use.
- U.V. and corrosion resistant materials.
- Stylish center medallion included.
- For helms with standard marine round 3/4" tapered shaft.
- All styles suitable for mechanical steering.
- Equidistant-spoke model (Talon) offered for use with hydraulic steering systems.
- Meet or exceed all applicable industry requirements.

WHEEL DIMENSIONS



DIMENSIONS & DATA

WHEEL TYPE	RIM SIZE	SPOKE COLOUR	A	B	MFR.NO.	ORDER NO.
3 SPOKE Aluminum Spokes, Soft Urethane or PVC Grip						
Viper	14"	Black	1.1"	2.2"	SW52022P	**083-52022**
6-SPOKE Stainless Steel Spokes, Hard PVC Grip						
Talon*	14"	SS	1.5"	2.6"	SW56811P	**083-56811**
3 SPOKE Hard PVC Grip						
Champion (w/cap)	13.5"	Black	1.6"	2.3"	SW59291P	**105-59291**
Stealth (w/cover)	14"	Black	1.3"	2.8"	SW59401P	**083-59401**
Stealth (w/cap)	14"	Black	2.1"	2.8"	SW59491P	**083-59491**
Ace	13"	Black	1.3"	2.3"	SW59691P	**083-59691**

**Equidistant spokes recommended for hydraulic steering where "master" spoke cannot be maintained.*

WHEEL DIMENSIONS:
The dimensions shown in the chart are reference dimensions. Actual dimensions may vary slightly.

(A) 3878515 Talon

(B) 3879414 Champion/Stealth

(C) 5202211P Viper

(D) SA27454P
Mechanical Helm Wheel Hardware Kit

(E) HP6032 Service Kit for SeaStar Helms

SERVICE ITEMS

DESCRIPTION	MFR.NO.	ORDER NO.
A. Talon Trim Cap (Polyurethane)	3878515	**387-85150**
B. Champion Trim Cap (Plastic)	3879414	**387-94140**
C. Viper Trim Cap (Plastic)	5202211P	**520-22110**
D. Wheel Hardware Kit (Mechanical)	SA27454P	**069-27454**
E. Service Kit for Sea Star Helm	HP6032	**037-60320**

For more information see: www.dometic.com

V60 ANTIGUA

All Antigua steering wheels are provided with an exclusive hub that easily allows the steering wheel to always be aligned properly. Steering wheels meet the EEC directive 94/25 requirements for pleasure boats.
All steering wheels are CE marked in conformity with the EN 28848 - EN 29775 and ABYC P22 safety standards.

- 13.8" (350 mm) Diameter
- Black Spokes
- Thermoplastic Antishock Material
- Standard 3/4" Taper
- Complete with Hub

ORDER NO. 762-30060 Mfr. No. V60

CORSE 3-SPOKE

CORSE 3-SPOKE

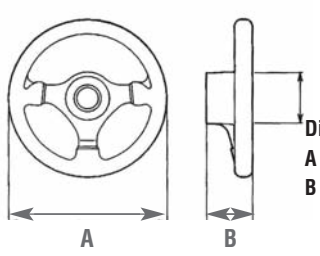
- Soft hand grip, UV stable polyurethane • Silver spokes • Diameter - 13.8"
- Fits 3/4" tapered shaft • CE certified

Steering Wheel - Black Grip **ORDER NO. 762-10000**
Steering Wheel - White Grip **ORDER NO. 762-20000**

V45 SOFT TOUCH GRIP STEERING WHEEL

- Thermoplastic antishock material
- Standard 3/4" taper
- Complete with hub
- Meets with the EN 28848 and ABYC P22 standards

ORDER NO.	Mfr. No.	Colour
762-20045	V45	Black

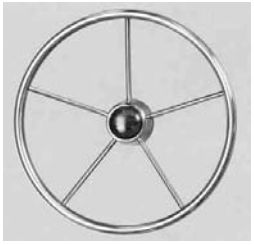


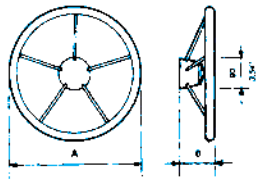
Dimensions
A : 11" (280mm)
B : 3.2" (80mm)

V43 STAINLESS STEEL

Non-magnetic stainless steel wheel constructed of high grade stainless steel, Wheel has a cast and welded hub and welded spokes at the rim. Fits Standard 3/4" tapered shaft.

ORDER NO.	Mfr. No.	Description
762-20043	V43	Stainless Steel





Dimensions:
A : 15.5", 394 mm
B : 4.25", 108 mm

GRIMANI & LOREDAN STEERING WHEELS

Engineered and manufactured in Italy by employing genuine Italian components and technologies according to Ultraflex quality management system.

- Standard 3/4" taper
- 13.8" (350mm) Diameter
- Hub included
- Meets with the EN 28848 and ABYC P22 standards

CE

Dimensions:
Grimani Aluminum Spokes
B : 3.6", 91.5 mm
Grimani Stainless Spokes
B : 3.5", 89.5 mm
Loredan Aluminum Spokes
B : 3.6", 92.5 mm

762-00002
GRIMANI B/P/CH

762-00003
GRIMANI B/S/VE

ORDER NO.	Mfr. No.	Description
762-00002	GRIMANI B/P/CH	Black Polyurethane Grip with Inserts, Polished Stainless Spokes
762-00003	GRIMANI B/S/VE	Black Polyurethane Grip with Inserts, Silver Aluminum Spokes

ORDER NO.	Mfr. No.	Description
762-00004	LOREDAN B/S/CH	Black Polyurethane Grip with Inserts, Black Aluminum

762-00004
LOREDAN B/S/CH

MARINE STEERING WHEELS

857-013101

857-026101-1

857-105111

STELLA

All Stella wheels include assembled 3/4" tapered hub (1.75" length) and black plastic cap. Ergonomically advanced polyurethane wheels.

ORDER NO.	Mfr. No.	Series	Dia.	Spoke	PU Colour
857-013101	PU013101	Fantasy	13.8"	Brushed	Black
857-026101-1	PU026101	Folletto	14.2"	Polished	Black
857-105111	PU105111-04	Burano	14"	Black Polyurethane, Stainless, w/Burl Inserts	Black

STAINLESS STEEL STEERING WHEELS

SPORT

Classic Stainless Steel T-304 Flat-Spoke wheel. Finger grip rim and control knob. Stainless steel centre cap. Fits 3/4" tapered shaft.

ORDER NO.	Mfr. No.	Diameter	Spoke Size	Degree of Dish
857-4161321	4161321FGK	13.5"	1/8"	22°

857-4161321

DESTROYER 5-SPOKE

Classic 5-Spoke Stainless Steel T-304 wheel. Finger grip rim and control knob. Stainless steel centre cap. Fits 3/4" tapered shaft.

ORDER NO.	Mfr. No.	Diameter	Spoke Size	Degree of Dish
857-1731521	1731521FGK	15.5	1/2" Thick	22°

857-1731521

VISION FX - Cast 316 stainless steel

- Finger grip rim • 22˚ dish • Control knob w/flange bearings, 3/4 tapered shaft
- Stainless steel centre nut included.

ORDER NO.	Mfr. No.	Diameter	Ring Type	Control Knob
857-7141322	7141321FGK-3	13.5"	Stainless	Yes

857-7141322

EVOLUTION

Premium Cast Stainless Steel T-316L wheels, cast 316L Stainless centre spoke and centre nut with 5/8"-18 thread. Finger grip rim. Fits 3/4" tapered shaft.

ORDER NO.	Mfr. No.	Diameter	Ring Type	Control Knob
857-7201321	7201321FG-3	13.5"	Stainless	No
857-7201322	7201321FGK-3	13.5"	Stainless	Yes

857-7201322

857-7201321

CENTRE NUTS FOR VISION & EVOLUTION SERIES WHEELS

ORDER NO.	Mfr. No.	Thread Size	Fits
857-0000702	702NUT	12mm	Most Manual Steering Systems
857-0000712	712NUT	1/2"-20	Uflex Steering Systems

For more information see: www.schmittongaromarine.com

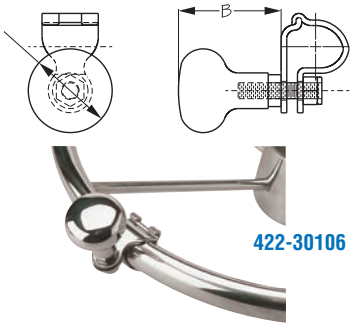
STEERING WHEEL MANEUVERING KNOB

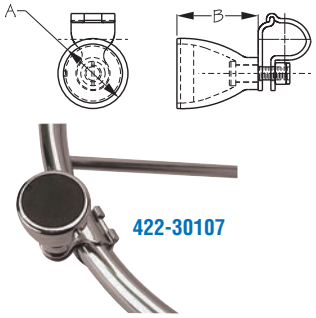
Investment Cast 316 Stainless

ORDER NO.	Mfr. No.	A	B	C	D
422-30106	230106-1	1-1/2"	1-7/8"	1"	3/4"
422-30107*	230107-1	1-5/8"	1-7/8"	1"	3/4"

*With black nylon insert

Fits Steering Wheel part # 422-30115 and most steering wheels with a rim diameter from 5/8" to 1". Designed for 1" x 3/4" oval tubing.



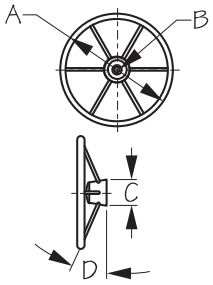


STAINLESS STEEL STEERING WHEEL

Formed 304 stainless steel
15" SST Steering Wheel
ORDER NO. 422-30115 Mfr. No. 230115

Replacement Centre Cap (Black)
ORDER NO. 422-30101 Mfr. No. 230101-1

Not exactly as pictured

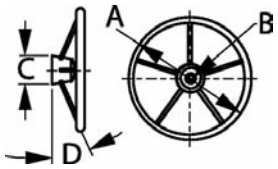


A : Diameter 15-1/8"
B : Fits 3/4"Tapered Shaft
C : 3-1/2"
D : 10°
6 Spoke

STEERING WHEEL

Formed 304 Stainless Steel
- 5 Spoke
- Plastic cap
- Fits standard 3/4" tapered shaft

ORDER NO.	Mfr. No.
422-30212-SW	230212

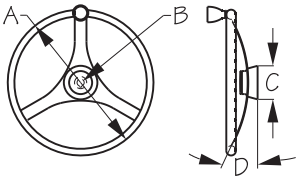


A : Diameter 12"
B : 3/4"
C : 3-1/2"
D : 25°

STEERING WHEEL WITH INTEGRAL KNOB

Formed 304 Stainless Steel
- 3 Spoke
- Stainless steel cap

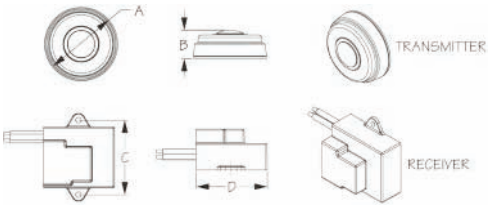
ORDER NO.	Mfr. No.
422-30325	230325



A : Diameter 15-1/2"
B : 3/4"
C : 3-1/2"
D : 25°

REMOTE WIRELESS MOMENTARY PUSH BUTTON HORN SWITCH - STEERING WHEEL MOUNT

Injection Molded Nylon



ORDER NO.	Mfr. No.	A	B	C	D	Volts	Amps	Fasteners
424-31050	431050-3	2-15/16"	7/8"	2-1/4"	1-1/4"	12	20	#8 FH

Activates by pushing button transmitter to send a signal to the receiver to activate your existing horn. Receiver connects to your existing horn switch wiring for an easy installation. Transmitter button uses CR2032 battery (included) and installs to wheel center cap either by double back tape or two #8 fasteners (included). 12V 20A Max.

NEW!

STEERING CONNECTION KITS

T&R Marine Corporation

INBOARD OR OUTBOARD TIE BAR

Adjustable to 31" centers. All parts furnished for simple hook up. Stainless steel makes this kit corrosion resistant.

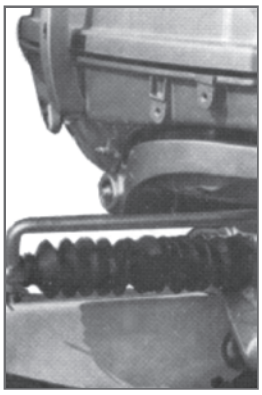
FITS FOLLOWING MODELS:
YAMAHA 115-225 1984 & Newer
JOHNSON/EVINRUDE 50-235 HP
MERCURY 40-225 HP
MARINER 40-225 HP
SUZUKI 150-150SS-200 HP 1986 & Newer

ORDER NO. 098-09805

STEERING CABLE BOOT

Protects against cable freeze-up, rust and corrosion. Extends steering cable life. Keeps steering cable lubricated.
Fits most domestic and foreign outboard and I/O steering cable.

ORDER NO. 098-00034

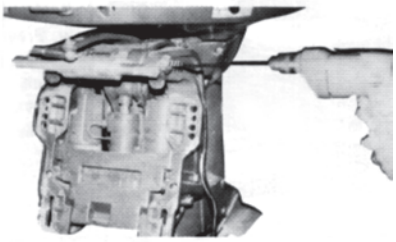


STEERING TUBE CLEANING BRUSH

Clean corroded engine tilt tubes with T&R steering tube cleaning brush. Constructed of steelwire with 8" shaft. For use with electric drill motor.

ALL TILT TUBE ENGINES

ORDER NO. 098-00010



For more information see: www.trmarine.com

PANTHER

TROLLING MOTOR TIE BAR KIT

Extremely heavy duty, the Panther Trolling Motor Tie Bar Kit connects an auxiliary trolling motor to your main motor.
The Trolling Motor Tie Bar is 1/2" thick and comes with the stainless steel drive bracket that attaches to hydraulic steering systems.
The rod is fully threaded so it can be cut for custom installations.

ORDER NO.	Mfr. No.	Description
935-52700	55-2700	For Sea Star Steering
935-52900	55-2900	For Uflex Steering
935-52750	55-2750	Replacement Drive Bracket - Stainless Steel
935-52950	55-2950	Drive Bracket - Uflex

935-52950

AUXILIARY MOTOR STEERING KITS

An auxiliary motor steering kit is the ideal way to provide remote control steering for any type or size of outboard trolling motor up to 25 horse-power. The model 55-2400 is constructed of Zinc plate steel. The model 55-2600 is constructed of stainless steel. Non-corrosive for saltwater applications.

ORDER NO.	Mfr. No.	Description
075-45000	55-2400	Aux. Motor Steering Kit-Zinc
935-52600	55-2600	Aux. Motor Steering Kit-SST
075-54010	99-09028	Ball Joint only

075-45000

935-52600

For more information see: www.panthermarineproducts.com

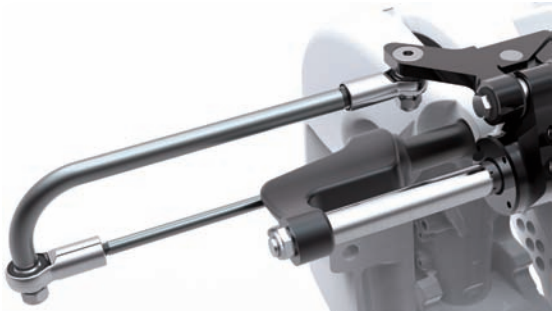
DOMETIC OUTDOOR

OUTBOARD HYDRAULIC STEERING

SEASTAR KICKER CABLE TIE BAR KIT

SEASTAR BY DOMETIC

This new **SeaStar** product allows a user to manually steer an auxiliary engine (kicker motor) using their existing **SeaSta**r hydraulic steering system. Today this is accomplished with a variety of solid mechanical linkages between the main engine and the auxiliary engine. Dometic has developed a patent pending design that incorporates a Xtreme cable as the linkage between the two engines.



FEATURES

- Flexible cable allows for adjustable locations of kicker motor.
- Allows independent trim/tilt of both engines.
- Allows full steering stroke of both engines.
- Simplified installation using universal ABYC steering connection (as per ABYC P17 & P21 standards) on kicker motor.
- Retrofittable to SeaStar Front Mount Cylinders
- Incorporates unique patented Dometics Xtreme cable technology

HO61XX KIT INCLUDES:

1 - Steering Cable Assembly Xtreme 40 series cable and a custom drilled out support rod)
1 - Pivot Cylinder Drive Link-arm (connects the drive bracket to one side of the cable assembly)
1 - Pivot Cylinder Drive Plate (allows for the link-arm to mount to the pivot cylinder pivot plate)
2 - Support Brackets (keyed version for use with this product)
Fasteners included.

Not Included:
Drive/drag link from auxiliary (kicker) engine to the end of the kicker steering cable.

Max. Engine Horsepower	Cable Length Nominal	Cable Type	Mfr. No.	ORDER NO.
20 HP	16"	Xtreme 40 Series	HO6116	039-61160
20 HP	22"	Xtreme 40 Series	HO6122	039-61220
20 HP	28"	Xtreme 40 Series	HO6128	039-61280
20 HP	34"	Xtreme 40 Series	HO6134	039-61340
20 HP	44"	Xtreme 40 Series	HO6144	039-61440

Installation Note: Kicker Cable Tie Bar systems require a minimum clearance of 14" from the end of the tilt tube towards the motor side well or gunnel.

SEASTAR MECHANICAL TIE BAR KIT

For hooking up a smaller kicker motor for trolling. Compatible with HC5345 or HC 5358 steering cylinders.

ORDER NO. 039-60100
Mfr. No. HO6010

For more information see: www.dometic.com

UFLEX

STEERING ADAPTER KIT FOR THRU-TRANSOM OMC STERN DRIVES

OMC® TT KIT

Thru transom sterndrive steering kit applicable for OMC® sterndrives manufactured from 1968-1982.
Connects standard mechanical steering cable to the transom and sterndrive.

ORDER NO. 351-10000

**Since this is currently supplied product and may be relatively new, replacement of entire system may not be necessary. Please consult your dealer to determine which part of the system may need to be replaced.*

For more information see: www.uflexusa.com

TROLLMASTER PRO™ 3+
WIRELESS THROTTLE & STEERING CONTROL

"Control your troll" from anywhere on the boat.

The world's leading remote throttle control for gas powered auxiliary outboards.
A variety of models are available to fit brand-name, 4-Stroke kicker motors including Evinrude, Honda, Johnson, Mariner, Mercury, Nissan, Suzuki, Tohatsu, and Yamaha.

TrollMaster is an Angler's Dream – Maintain optimum trolling speeds to maximum your catch.
Throttle hardware kits required to fit specific 4 stroke outboards.
* Steering feature only works with Panther Electro Steer units (Sold separately)

FEATURES:
- Ergonomic Remote
- Full Wireless Control
- Water-Resistant
- Backlight LCD Display
- Works with all Panther Brand Electro Steer Models

KIT INCLUDES:
- Wireless Controller
- Radio Receiver
- Servo
- 2 AAA Batteries
- Detachable Lanyard

ORDER NO.	Mfr. No.	Description - Application
950-30000	TMPRO3PLUS	TROLLMaster Pro 3 Plus **Wireless Remote Control**
THROTTLE HARDWARE KITS		
950-00200	TM200HWKIT	Honda 5, 8, 9.9 & 15 ('80-2000) Hardware Kit
950-00201	TM201HWKIT	Merc/Mariner 9.9, 15 (1990-2004), Yamaha 9.9 & 15 (1989-2006) Hardware Kit
950-00203	TM203HWKIT	Merc 4,5,6 (All Years), Nissan/Tohatsu 5,6 (1995-Present) Hardware Kit
950-00206	TM206HWKIT	Yamaha 9.9 incl Hi-Thrust (2008-Present), 6 (1999-2012), 8 incl Hi-Thrust (1999-Present) Hardware Kit,
950-00207	TM207HWKIT	Honda 8,9.9,15,20 (2001-Present) Hardware Kit
950-00208	TM208HWKIT	Johnson/Evininrude 9.9 & 15 (2003-2011), Suzuki 9.9,15 (2003-2012) Hardware Kit
950-00209	TM209HWKIT	Mercury 15 & 20 Tiller Only (2005-2010) Hardware Kit
950-00210	TM210HWKIT	Yamaha 9.9 incl. Hi-Thrust (2005-2007), 15 incl. Hi-Thrust (2005-Present) Hardware Kit
950-00212	TM212HWKIT	Merc 8,9.9 (2005-Present), Johnson/Evinrude 9.8 (2013-Present), Nissan/Tohatsu 8 & 9.8 (2003-Present) Hardware Kit
950-00214	TM214HWKIT	Merc 15,20 (2011-Present) 15 Remote Throttle (2005-2010), Johnson/Evininrude 15 (2012-present), Nissan/Tohatsu 20 (2011-Present) Hardware Kit
950-00215	TM215HWKIT	Suzuki 9.9,15,20 EFI only (2014-present) Hardware Kit
950-00216	TM216HWKIT	Mercury 15, 20 EFI (2018-Present) Remote Throttle or Tiller. Tohatsu 9.9, 15, 20 EFI (2018-Present) Remote Throttle or Tiller Hardware Kit

For more information see: www.trollmasters.com

PANTHER

T5 - THROUGH TILT TUBE ELECTRO STEER

T5 provides a unique solution to steer a kicker motor. Can be installed on kicker motor with threaded tilt tube without drilling any holes in the boat. Installs in minutes and requires only 4 inches between main engine and kicker. Mounting hardware included. Controlled by a 2 button hand held remote with 24' cable. Optional wireless remote available see **ORDER NO. 934-55105**.

ORDER NO.	Mfr. No.	Description
934-55503	55-0503	Freshwater & Saltwater Model (Stainless Steel)
934-55022	99-55022	Relay Control

T4 - ELECTRO STEER

Unique product to steer a kicker motor. Can be installed on any kicker motor that has a threaded tilt tube. No need to drill holes in your transom. Installs in minutes. 9" minimum needed between main engine and kicker motor. Mounting hardware included. Controlled by a 24' cable and two button hand held remote. Available in Freshwater model (all component hardware made of zinc) and Saltwater model (all component hardware made of stainless steel).
Optional wireless remote available see **ORDER NO. 934-55105.**

ORDER NO.	Mfr. No.	Description
934-55103	55-0103	Freshwater & Saltwater Model (Stainless Steel)
934-55022	99-55022	Relay Control

ELECTRO STEER

Trolling Made Easy....Steer your kicker from anywhere in the boat. The Panther 100 Electro Steer is easy to install anywhere in the transom area. It operates the motor with the push of a button. Powered from the cranking battery; maximum amp draw: 5 to 7.5 amps. And fast? The Electro Steer will move from full right to left in only four seconds, with fast, precision kicker control, necessary for contour trolling. The connecting rod between the main and kicker motor easily disconnects, allowing versatile applications. Available in Freshwater Models (all component hardware made of zinc), and Saltwater Models (all component hardware made of stainless steel).

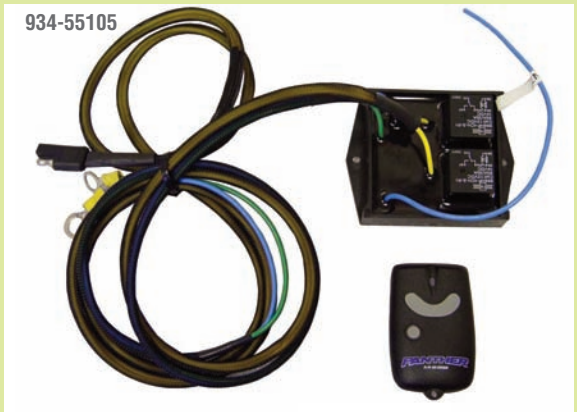
ORDER NO.	Mfr. No.	Description
935-50101	55-0101A	Freshwater & Saltwater Model (Stainless Steel)
934-55022	99-55022	Relay Control

WIRELESS REMOTE CONTROL

Allows you to steer your kicker motor from anywhere in the boat.
FCC and IC approved.

- Watertight
- 50 Ft Range
- Operates on 12v Battery
- Universal Design
- For “all” 2 bullet molded connectors
- Adapted for “all” Panther Steering and Trim & Tilt units ever made
- Does not interfere with other boat electronics
- Fits in the palm of your hand
- Lanyard included

ORDER NO. 934-55105
Mfr. No. 55-0105

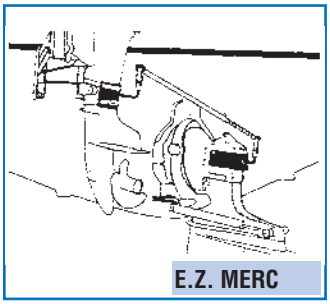


For more information see: www.panthermarineproducts.com

EZ-STEER™

Steer with Ease & Confidence!

MERCRUISER (ALPHA 1)



1. Alpha I Bracket Assembly

2. Rod

3. Small O.B. Bracket Assembly (4")

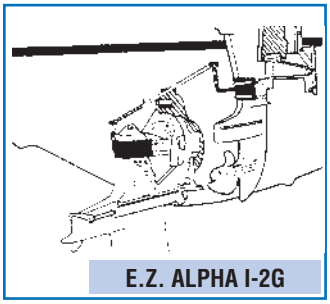
MODEL # EZ-30002
KIT CONSISTS OF:
1) ALPHA I BRACKET ASSEMBLY
2) **STANDARD** ROD (23" - 26")
3) SMALL O.B. BRACKET ASSEMBLY (4")

ORDER NO. 511-30002

MODEL # EZ-30003
KIT CONSISTS OF:
1) ALPHA I BRACKET ASSEMBLY
2)**LONG** ROD (29" - 33")
3) SMALL O.B. BRACKET ASSEMBLY (4")

ORDER NO. 511-30003

MERCRUISER (ALPHA I - 2G)



1. Alpha I-2G Bracket Assembly

2. Rod

3. Small O.B. Bracket Assembly (4'')

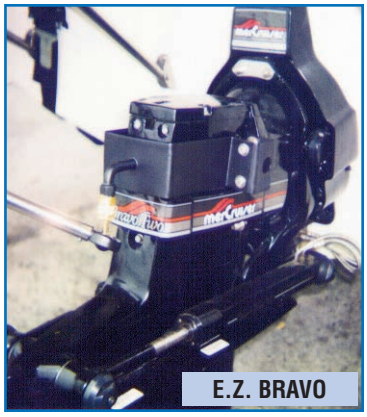
MODEL # EZ-37002
KIT CONSISTS OF:
1) ALPHA I - 2G BRACKET ASSEMBLY
2) **STANDARD** ROD (23" - 26")
3) SMALL O.B. BRACKET ASSEMBLY (4")

ORDER NO. 511-37002

MODEL # EZ-37003
KIT CONSISTS OF:
1) ALPHA I - 2G BRACKET ASSEMBLY
2) **LONG** ROD (29" - 33")
3) SMALL O.B. BRACKET ASSEMBLY (4")

ORDER NO. 511-37003

MERCRUISER (BRAVO)



1. Bravo Bracket Assembly

2. Rod

3. Small O.B. Bracket Assembly (4")

MODEL # EZ-35002
Kit Consists of:
1) BRAVO BRACKET ASSEMBLY
2) **STANDARD** ROD (23" - 26")
3) SMALL O.B. BRACKET ASSEMBLY (4")

ORDER NO. 511-35002

MODEL # EZ-35003
Kit Consists of:
1) BRAVO BRACKET ASSEMBLY
2) **LONG** ROD (29" - 33")
3) SMALL O.B. BRACKET ASSEMBLY (4")

ORDER NO. 511-35003

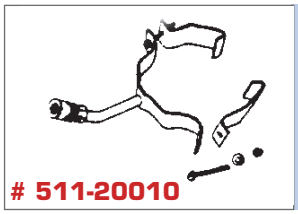
For more information see: www.ezsteer.com

EZ-STEER™

Steer with Ease & Confidence!

OMC

1. OMC Bracket Assembly



2. Rod

3. Small O.B. Bracket Assembly (4")

MODEL # EZ-20002
Kit Consists of:
1) OMC BRACKET ASSEMBLY
2) **STANDARD** ROD (23'' - 26'')
3) SMALL O.B. BRACKET ASSEMBLY (4'')

ORDER NO. 511-20002

OMC (COBRA)

1. Cobra Bracket Assembly

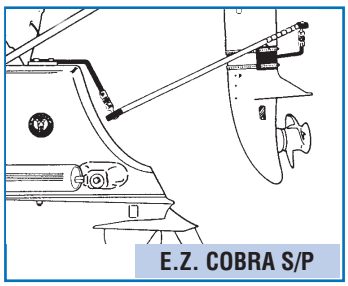
2. Rod

3. Small O.B. Bracket Assembly (4")

MODEL # EZ-22002
Kit Consists of:
1) COBRA BRACKET ASSEMBLY
2) **STANDARD** ROD (23" - 26")
3) SMALL O.B. BRACKET ASSEMBLY (4")

ORDER NO. 511-22002

OMC (COBRA) S/P (SWIM PLATFORM MODEL)



1. Cobra S/P Bracket Assembly

2. Rod

3. Small O.B. Bracket Assembly (3")

MODEL # EZ-23003
Kit Consists of:
1) COBRA S/P BRACKET ASSEMBLY
2) **LONG** ROD (29" - 33")
3) SMALL O.B. BRACKET ASSEMBLY (3")

ORDER NO. 511-23003

EZ-STEER™

Steer with Ease & Confidence!

VOLVO I (PRE-1989)

1. Volvo I Bracket Assembly

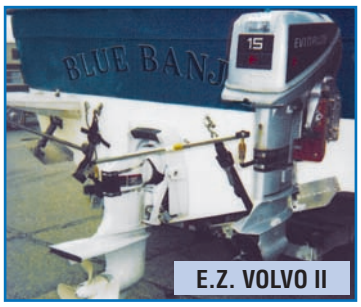
2. Rod

3. Small O.B. Bracket Assembly (3")

MODEL # EZ-40002
KIT CONSISTS OF:
1) VOLVO I BRACKET ASSEMBLY
2) **STANDARD** ROD (23" - 26")
3) SMALL O.B. BRACKET ASSEMBLY (3")

ORDER NO. 511-40002

VOLVO II



1. Volvo II Bracket Assembly

2. Rod

3. Small O.B. Bracket Assembly (3'')

MODEL # EZ-42002
KIT CONSISTS OF:
1) VOLVO II BRACKET ASSEMBLY
2) **STANDARD** ROD (23" - 26")
3) SMALL O.B. BRACKET ASSEMBLY (3")

ORDER NO. 511-42002

VOLVO SX / COBRA

1. Volvo SX / Cobra Bracket Assembly

Mfr. No. EZ.44010
ORDER No. 511- 44010

2. Standard Rod (23" - 36")

Mfr. No. EZ.10002
ORDER No. 511-10002

3. Auxilary Bracket Assembly 4"

Mfr. No. EZ.50010
ORDER No. 511-50010

MODEL # E.Z. 44002
Kit consists of:
1) VOLVO SX / COBRA BRACKET ASSEMBLY
2) **STANDARD** ROD (23" - 26")
3) AUXILIARY BRACKET ASSEMBLY (4")

ORDER NO. 511-44002

For more information see: www.ezsteer.com

EZ-STEER™

Steer with Ease & Confidence!

OUTBOARD TO OUTBOARD (OTO) SHORT (WHEN THE AUXILIARY IS TRANSOM MOUNTED)

1. Large O.B. Bracket Assembly

2. Standard Rod (19”-27”)

3. Small O.B. Bracket Assembly (4'')

MODEL # EZ-60001
KIT CONSISTS OF:
1) LARGE O.B. BRACKET ASSEMBLY
2) SHORT ROD (19'' - 22'')
3) SMALL O.B. BRACKET ASSEMBLY (4'')

ORDER NO. 511-60001

OTO STANDARD (WHEN THE AUXILIARY IS MOUNTED ON A LIFT BRACKET)

1. Large O.B. Bracket Assembly

2. Standard Rod (23”-36”)

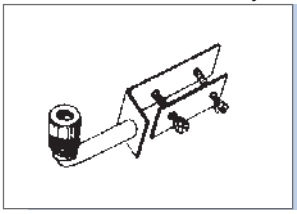
3. Small O.B. Bracket Assembly (4'')

MODEL # EZ-60002
KIT CONSISTS OF:
1) LARGE O.B. BRACKET ASSEMBLY
2) **STANDARD** ROD (23'' - 26'')
3) SMALL O.B. BRACKET ASSEMBLY (4'')

ORDER NO. 511-60002

SAILBOAT

1. Sailboat Bracket Assembly

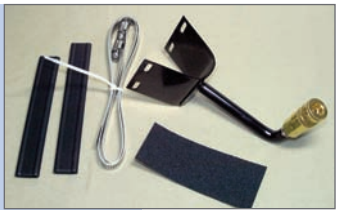


Mfr. No. EZ.70010
ORDER No. 511-70010

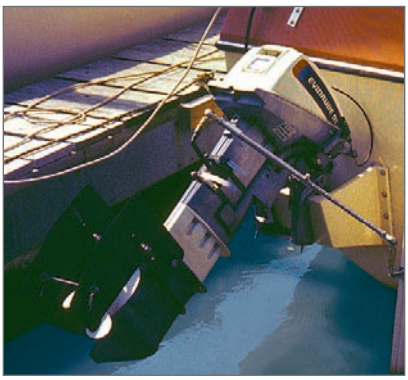
2. Short Rod (19"-27")

Mfr. No. EZ.10001
ORDER No. 511-10001

3. Auxilary Bracket Assembly (3")



Mfr. No. EZ.50020
ORDER No. 511-50020



For more information see: www.ezsteer.com

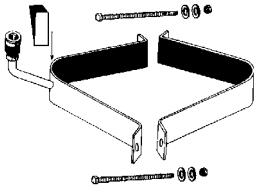
EZ-STEER™

Steer with Ease & Confidence!

OUTBOARD TO OUTBOARD

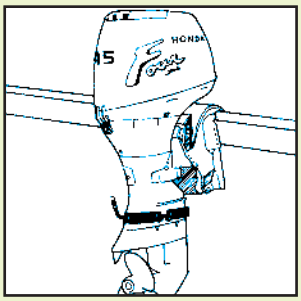
HONDA 35-50 HP

Honda 35-50 HP Bracket Assembly 61010



Mfr. No. EZ 61010
ORDER NO. 511-61010

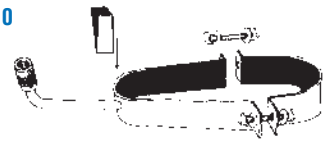
HONDA 35-50 HP: Place the U shaped brackets around the housing between the upper flange and the middle flange above the cavitation plate.
Place washer on bolt, slide through holes of both bracket and front plate, slide on another washer and nylock nut. Repeat on other side and tighten. Before bracket is tightened completely, place T-wedge under pin to prevent bracket from sliding.



HONDA 35-50 HP

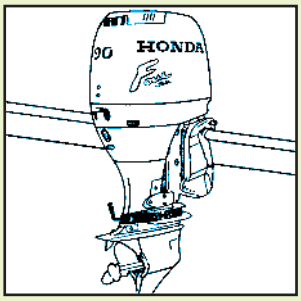
HONDA 75-90 HP / HONDA 115-150 HP

Honda 75-90 HP/ 115-150 HP Bracket Assembly 88010



75-90 HP/115-150 HP
Mfr. No. EZ 88010
ORDER NO. 511-88010

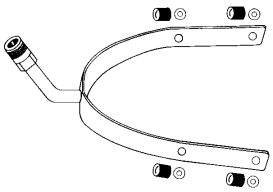
HONDA 75-90 HP/ 115-150 HP: Place the widest U shaped bracket around the exhaust housing just above the middle wave plate. The longer portion of the bracket assembly goes on the back side (prop side) of the motor. Use the bolts and nylock nuts to fasten the two portions of the bracket together.



HONDA 75-90 HP/115-150 HP

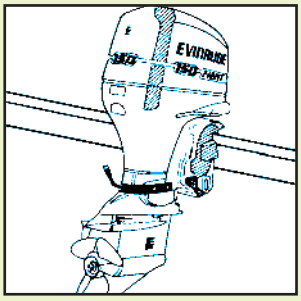
EVINRUDE 150 FFI

Evinrude 150 FFI Bracket Assembly 65010



Mfr. No. EZ 65010
ORDER NO. 511-65010

EVINRUDE 150 FFI: Remove top bolts, place a spacer and a flat washer over hole. Line up bracket over spacer and place a washer on bolt. Insert the bolt back into hole and tighten. Repeat for other bolts.



EVINRUDE 150 FFI

Order No.	Mfr. No.	Description
511-68010	EZ-68010	Merc 75-90/115 Round Nose
511-69010	EZ-69010	Merc 75-90/115 EFI Square Nose
511-76010	EZ-76010	Evinrude E-TEC 20" Shaft
511-82010	EZ-82010	Yamaha 200 HPDI
511-84010	EZ-84010	Yamaha F200/300
511-88010	EZ-88010	Honda 75-90/F115/150
511-93010	EZ-93010	Evinrude E-TEC 250

EZ-STEER™

Steer with Ease & Confidence!

AUXILIARY BRACKET OPTIONS SHORT SHAFT ENGINE BRACKET

****Needed for 4-stroke models****

JOHNSON / EVINRUDE OUTBOARDS
**** SHORT SHAFT ****
Mfr. No. E.Z. - 56010
ORDER NO. 511-56010

MERCURY OUTBOARDS
**** SHORT SHAFT ****
Mfr. No. E.Z. - 54010
ORDER NO. 511-54010
Also fits "Bigfoot" 9.9 & 15 HP

YAMAHA OUTBOARDS
**** SHORT SHAFT ****
Mfr. No. E.Z. - 52010
ORDER NO. 511-52010

HONDA OUTBOARDS
**** SHORT SHAFT ****
Mfr. No. E.Z. - 57010
ORDER NO. 511-57010

Place bracket between flanges on lower part of engine just above the cavitation plate. Put a washer on bolt and slide through prepunched hole in front plate and then through hole in back plate. Place 2nd washer on bolt and nylon lock nut. Repeat on the other side and tighten securely.
The size of bracket will vary slightly depending on which engine you have.

ORDER NO.	Length	Description
511-50010	EZ-50010	Auxiliary Bracket 4"
511-50020	EZ-50020	Auxiliary Bracket 3"
511-50070	EZ-50070	Auxiliary Bracket 7"
511-55010	EZ-55010	Electric Motor Bracket
511-58010	EZ-58010	Suzuki 4 Stroke 15" Shaft

NEW STYLE RODS - FLUORESCENT YELLOW CAUTION LABEL ON OUTER ROD

QUICK CONNECTOR
Mfr. No. EZ 13200
ORDER NO. 511-13200

DETENT KIT ASSEMBLY
Mfr. No. EZ. 12000
ORDER NO. 511-12000

OUTER TUBE BALL JOINT
Mfr. No. EZ 10300
ORDER NO. 511-10300

INNER TUBE BALL JOINT
Mfr. No. EZ. 10400
ORDER NO. 511-10400

SHORT ROD ASSEMBLY
Ranges From 19" to 22"
Mfr. No. EZ 10001
ORDER NO. 511-10001

STANDARD ROD ASSEMBLY
Ranges From 23" to 26"
Mfr. No. EZ. 10002
ORDER NO. 511-10002

LONG ROD ASSEMBLY
Ranges From 29" to 33"
Mfr. No. EZ 10003
ORDER NO. 511-10003

ULTRA ROD ASSEMBLY
Ranges From 34" to 38"
Mfr. No. EZ. 10006
ORDER NO. 511-10006

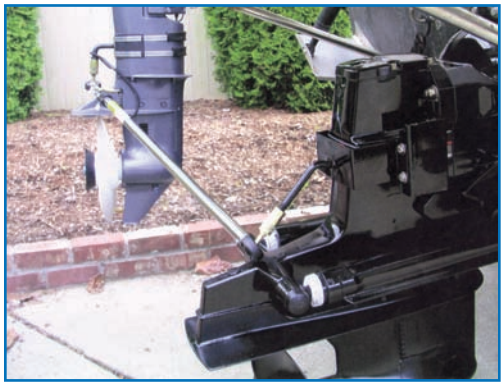
ORDERING TIP

To determine the correct rod length required, place both engines in the down running position, and measure the actual center to center distance between the housings. If your measurement is between:

ORDER NO.	Mfr. No.	C-C* Length	Description
511-10001	EZ-10001	19" - 22"	Short Rod Assembly
511-10002	EZ-10002	23" - 26"	Standard Rod Assembly
934-10004	EZ-10004	27" - 28"	Medium Rod Assembly
511-10003	EZ-10003	29" - 33"	Long Rod Assembly
511-10006	EZ-10006	34" - 38"	Ultra Rod Assembly
934-10005	EZ-10005	39" +	X-Long Rod Assembly

*Centre to centre measurement

By following this simple step it will help insure you are getting the correct length rod for your application.
Note: Please contact technical support for applications



For more information see: www.ezsteer.com

Uflex offers rotary systems featuring a "Planetary Gear Design" with 3 satellite gears which distributes steering feedback more evenly and effectively throughout the helm. The result is a reduction in the amount of effort needed to steer the boat straight or into the direction of the steering torque.

The Uflex Plantetary Gear Design also spreads the wear of the steering direction changes over a wider wear area which reduces overall wear and the correspondent lost motion.

ROTECH ROTARY STEERING KITS

• The competitively priced complete system

The Planetary Gear Design of the Rotech contrasts conventional systems which have only one contact point between two drive gears. The single contact point of conventional systems receives all the torque from the engine, which can eventually lead to uneven gear wear and correspondent lost motion in the steering.

System includes:
T71FC Helm, X34 Bezel and M66 Universal Rotary Cable with stainless steel output end fittings.

3.5 Turns Lock to Lock

ORDER NO.	Mfr. No.	Kit Length/Ft
762-13708	ROTECH08FC	8'
762-13709	ROTECH09FC	9'
762-13710	ROTECH10FC	10'
762-13711	ROTECH11FC	11'
762-13712	ROTECH12FC	12'
762-13713	ROTECH13FC	13'
762-13714	ROTECH14FC	14'
762-13715	ROTECH15FC	15'
762-13716	ROTECH16FC	16'
762-13717	ROTECH17FC	17'
762-13718	ROTECH18FC	18'
762-13719	ROTECH19FC	19'
762-13720	ROTECH20FC	20'

FOURTECH ROTARY STEERING SYSTEM

Designed for today's Four Stroke Outboards. High Performance & High Efficiency Applications. Offers performance, flexibility and durability increased by top quality materials and construction.
Centered on the main drive shaft, these helms require less room behind the dash and are a direct "drop in" replacement for competing systems; requiring no new holes for installation.

4.2 Turns Lock to Lock

FOURTECH System includes:
T91 - Helm (Planetary Gear Design) X34 - 90° Bezel
M90 MACH - Highly Flexible Steering Cable
(High Efficiency & Flexible, Stainless Steel, Output Fittings)

ORDER NO.	Mfr. No.	Kit Length/Ft
762-43709	FOURTECH09	9'
762-43710	FOURTECH10	10'
762-43711	FOURTECH11	11'
762-43712	FOURTECH12	12'
762-43713	FOURTECH13	13'
762-43714	FOURTECH14	14'
762-43715	FOURTECH15	15'
762-43716	FOURTECH16	16'
762-43717	FOURTECH17	17'
762-43718	FOURTECH18	18'
762-43719	FOURTECH19	19'
762-43720	FOURTECH20	20'

FOURTECH ZTF System includes:
T93ZT (Zero Torque Configuration w/ Planetary Gear Design)
Helm: X34 - 90° Bezel
M90 MACH - Highly Flexible Steering Cable
(High Effiency & Flexible, Stainless Steel, Output Fittings)

ORDER NO.	Mfr. No.	Kit Length/Ft
762-53708	FOURTECH08ZTF	8'
762-53709	FOURTECH09ZTF	9'
762-53710	FOURTECH10ZTF	10'
762-53711	FOURTECH11ZTF	11'
762-53712	FOURTECH12ZTF	12'
762-53713	FOURTECH13ZTF	13'
762-53714	FOURTECH14ZTF	14'
762-53715	FOURTECH15ZTF	15'
762-53716	FOURTECH16ZTF	16'
762-53717	FOURTECH17ZTF	17'
762-53718	FOURTECH18ZTF	18'
762-53719	FOURTECH19ZTF	19'
762-53720	FOURTECH20ZTF	20'

For more information see: www.uflexusa.com

RACKTECH
RACK & PINION STEERING

Rack and pinion steering systems are generally found on boats where space between the drivers knees and the steering helm is limited. Racks were particularly common in the early 70's on ski boats where the freeboard of the boats were very small. Today's boats generally have enough space to fit a rotary helm, making the rack system's less popular as OEM installed option.

Rack and pinion systems have the similar design issues as conventional rotary helms. Accordingly, all the steering loads are transmitted to one contact point and there is uneven wear in the system.

System includes:

G86 Helm, X34 Bezel and M86 Universal Rack Cable
with stainless steel output end fittings.
3.5 Turns Lock to Lock

ORDER NO.	Mfr. No.	Kit Length/Ft
762-14109	RACKTECH09	9'
762-14110	RACKTECH10	10'
762-14111	RACKTECH11	11'
762-14112	RACKTECH12	12'
762-14113	RACKTECH13	13'
762-14114	RACKTECH14	14'
762-14115	RACKTECH15	15'
762-14116	RACKTECH16	16'
762-14117	RACKTECH17	17'
762-14118	RACKTECH18	18'
762-14119	RACKTECH19	19'
762-14120	RACKTECH20	20'

Have a Technical Question?

Contact our Technical Support Staff
email: techsupport@ccmarine.ca

STEERING CABLES

A.
M66 UNIVERSAL ROTARY STEERING CABLE

Direct replacement for Uflex Rotary Helms
Solid stainless steel output end fittings

ORDER NO.	Length/Ft
762-66008	8'
762-66009	9'
762-66010	10'
762-66011	11'
762-66012	12'
762-66013	13'
762-66014	14'
762-66015	15'
762-66016	16'
762-66017	17'
762-66018	18'
762-66019	19'
762-66020	20'

A

B.
M86 UNIVERSAL RACK STEERING CABLE

Direct replacement for Uflex Rack Helms
Solid stainless steel output end fittings

ORDER NO.	Length/Ft
762-86009	9'
762-86010	10'
762-86011	11'
762-86012	12'
762-86013	13'
762-86014	14'
762-86015	15'
762-86016	16'
762-86017	17'
762-86018	18'
762-86019	19'
762-86020	20'

B

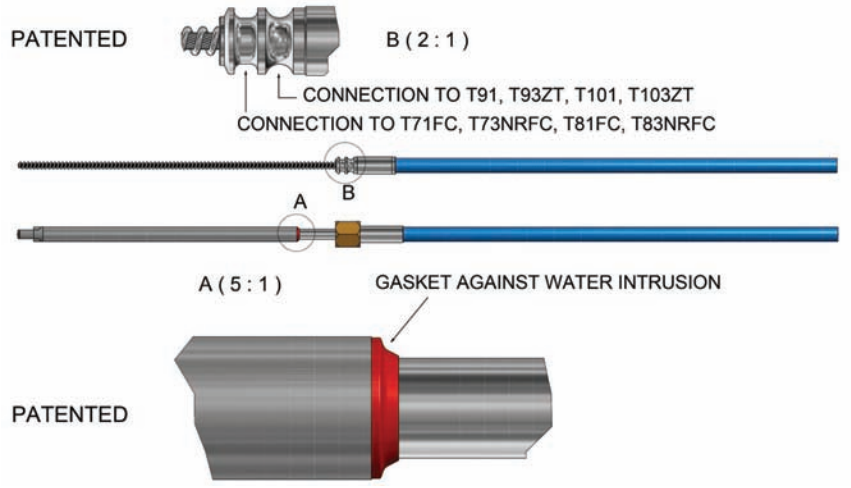
ORDER NO.	Mfr. No.	Length/Ft
762-49010	M90X10	10'
762-49011	M90X11	11'
762-49012	M90X12	12'
762-49013	M90X13	13'
762-49014	M90X14	14'
762-49015	M90X15	15'
762-49016	M90X16	16'
762-49017	M90X17	17'
762-49018	M90X18	18'
762-49019	M90X19	19'
762-49020	M90X20	20'

C

C.
M90 MACH
- HIGH EFFICIENCY & FLEXIBILITY STEERING CABLE

Specifically designed for high performance and high efficiency applications, M90 Mach cable (patented) offers increased flexibility and durability by top quality materials and construction.

- Ideal solution for long cable runs and tight bend application
- Corrosion resistant materials, stainless steel engine side output fitting
- Minimal feedback
- Fast connect, simple installation, patented end fitting



NAVITECH™ POWER STEERING ASSEMBLY

Limit of Application:
Outboard Engines Up to 150hp, Maximum 50 mph, NO Jackplates.
Inboard Engines
Taking the latest technology from the automotive industry, Ultraflex has combined Electronic Power Steering (EPS) used in the most popular cars in the world with the latest mechanical steering helms and Mach 90 high efficiency steering cable to deliver unprecedented performance.

Perfectly silent, the system draws minimal power and furthermore is very easy to install.
The NaviTech™ also has Integrated System Monitoring (ISM) which detects certain operating conditions including the number of cycles and notifies the end user with a vibration signal in the steering wheel if the cable needs to be changed.
Never before has a steering system monitored it's own operating conditions and given the driver diagnostic feeback.

For specific applications Ultraflex can use programmable software to dial in the hand wheel effort and steering output to meet specific performance objectives of boat builders.
Validation for Marine application is per CE, ABYC P17, P27, and ISO 25197.
NMMA Type Acceptance completed.

NTECH-EPS Assembly Includes:
Power steering motor - Perfectly quiet power steering
Power assisted steering helm:
T91NAV - 43207 S - single cable steering helm
X66 - 40613 M - Tilt mechanism for NaviTech™ tilt mount helms.
Tilt range of 48˚ and five locking positions.

****Requires M90SS Mach SS Steering Cable - Sold Separately**

ORDER NO.	Mfr. No.	Description
762-59999	NTECH-EPS	Navitech Power Steering Assembly

M90SS MACH SS STEERING CABLES ONLY

ORDER NO.	Mfr. No.	Kit Length/Ft
762-59010	M90SSX10	10'
762-59011	M90SSX11	11'
762-59012	M90SSX12	12'
762-59013	M90SSX13	13'
762-59014	M90SSX14	14'
762-59015	M90SSX15	15'
762-59016	M90SSX16	16'
762-59017	M90SSX17	17'
762-59018	M90SSX18	18'
762-59019	M90SSX19	19'
762-59020	M90SSX20	20'
762-59021	M90SSX21	21'
762-59022	M90SSX22	22'
762-59023	M90SSX23	23'
762-59024	M90SSX24	24'

UFLEX MECHANICAL STEERING SYSTEMS - Individual Components

HELMS

ORDER NO.	Mfr. No.	Description
762-13771	T71FC	Standard Rotary Helm **To be used with M66 Cable**
762-13772	T72FC	Dual Cable Standard Rotary Helm **To be used with M66 Cable** (Not Shown)
762-13781	T81FC	Tilt Rotary Helm (Shown with X52 Tilt Mechanism) **To be used with M66 Cable**
762-14186	G86	Standard Rack Helm **To be used with M86 Cable**
762-43791	T91	Single Cable Steering Helm Featuring Planetary Gear Design **To be used with M90 Cable**
762-00052	X52	Tilt Mechanism only

G86 762-14186

T91 762-43791

T71FC 762-13771

T81FC 762-13781
(Shown with X52)

BEZELS

ORDER NO.	Mfr. No.	Description
762-00034	X34	90 Degree Bezel for all Standard Uflex Helms
762-00035	X35	20 Degree Bezel for all Standard Uflex Helms
762-00052	X52	Tilt Mechanism for Tilt Uflex Helms

X34

X35

X52

For more information see: www.uflexusa.com

PANTHER XPS GEN 2 POWER STEERING

PANTHER XPS GENERATION 2 POWER STEERING SYSTEM

The Panther XPS System is designed to be installed on 90-2500 hp outboard motors that are equipped with a single steering-cable system.

Don't get left behind...take advantage of the ease, control & power og GEN2, the most advanced XPS power steering yet!
Engineered to make steering your boat as effortless as the vehicle you drive. No matter the vessel you operate, XPS offers affordability, confidence, fit and all around ease of operation.

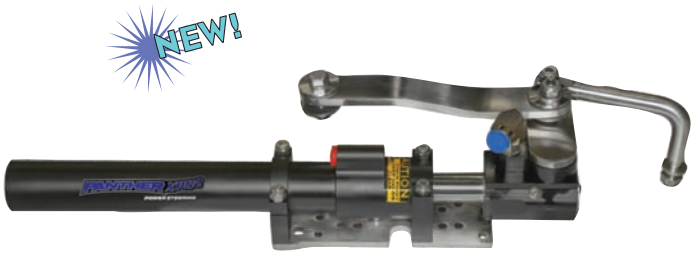
SAFE
- Existing cable steering acts as safety back up in case of system failure
- Exceeds ABYC mechanical and hydraulic steering standards

EFORTLESS
- Automobile like effort
- Eliminates prop torque
- Easy to maneuver in tight quarters especially arounf docks and landing

BROAD FIT RANGE
- Designed to fit any boat or pontoon that can use cable steering
- Cylinder can be fully extended without interference
- Outboard engines 90-250hp

SAFE TIME & MONEY
- Self-bleeding hoses
- Utilize existing mechanical steering

SAFE POWER
- Stored energy allows for short pump run-times
- Less power draw substantially reduces risk of dead batteries



ORDER NO. 935-107300
Mfr. No. 10-7300

XPS HOSE KITS

ORDER NO.	Mfr. No.	Length	ORDER NO.	Mfr. No.	Length
935-106107	10-6107	7 ft.	935-106160	10-6116	16 ft.
935-106108	10-6108	8 ft.	935-106180	10-6118	18 ft.
935-106110	10-6110	10 ft.	935-106200	10-6120	20 ft.
935-106120	10-6112	12 ft.	935-106220	10-6122	22 ft.
935-106140	10-6114	14 ft.	935-106240	10-6124	24 ft.

POWER STEERING FLUID
- Full synthetic power steering fluid
- All season formula
- High viscosity index
- 946 ml (1 US quart)

ORDER NO. 935-100205
Mfr. No. 10-0205

HYTECH OUTBOARD STEERING KIT 4.75 Turns Lock to Lock

For outboard engines 115 to 175 HP

PACKAGE KIT CONTAINS:

- **UP20 F** Front Mount Helm Pump
- **UC95-OBF-1** or **UC95-OBF-3** Front Mount O/B Cylinder
  Specify engine type when ordering
  (762-90006-1) HYTECH 1.1 - with UC95-OBF-1 Cylinder **or**
  (762-90007-1) HYTECH 3.1 - with UC95-OBF/3 Cylinder
- **OIL 15** Hydraulic Oil - 2 quarts **(762-00015)**
- **40 feet of cut to length tubing**

These recommendations should be used as a general reference only.
For further information please contact technical service at Phone no. 941-351-2628

762-90006-1
HYTECH-1.1
Hydraulic O/B Steering Kit
(Includes 762-00950 Cylinder)

762-90007-1
HYTECH-3.1
Hydraulic O/B Steering Kit
(Includes 762-00953 Cylinder)

ENGINE MAKE	ENGINE MODEL	YEAR	HYTECH KIT	CYLINDER
MERCURY® MARINER®	50-75-90 - 2 Stroke	1990 to 2008	762-90006-1	762-00950
	115-125-150 EFI - 2 Stroke	1990 to 2007	762-90006-1	762-00950
	75-90-115-125 Optimax™ - 2 Stroke	2004 to date	762-90007-1	762-00953
	135-150 Optimax™ - 2 Stroke	1999 to date	762-90006-1	762-00950
	40-50-60 EFI - 4 Stroke	2004 to date	762-90006-1	762-00950
	75-80-90 EFI - 4 Stroke	2000 to date	762-90006-1	762-00950
	100-115 EFI - 4 Stroke	2007 to date	762-90006-1	762-00950
	150 - 4 Stroke	2011 to date	762-90006-1	762-00950
YAMAHA®	60-70 - 2 Stroke	1984 to 2008	762-90006-1	762-00950
	75C-90 - 2 Stroke	1998 to 2008	762-90006-1	762-00950
	115C-130B - 2 Stroke	1990 to 2008	762-90006-1	762-00950
	150F	1996 to 2007	762-90006-1	762-00950
	150 HPDI VMAX - 2 Stroke	2000 to 2008	762-90006-1	762-00950
	F60-F75-F80 EFI - 4 Stroke	1999 to 2007	762-90006-1	762-00950
	F90-F100-F115-F150 EFI - 4 Stroke	1999 to 2007	762-90006-1	762-00950
	F80-F100 - 4 Stroke	2000 to date	762-90006-1	762-00950
	F115-F150	2004 to date	762-90006-1	762-00950
HONDA®	BF75-90 - 4 Stroke	1995 to date	762-90006-1	762-00950
	BF115D	1998 to 2009	762-90007-1	762-00953
	BF115A	2009 to date	762-90006-1	762-00950
	BF130A	1998 to 2005	762-90007-1	762-00953
	BF135-BF150 - 4 Stroke	2005 to date	762-90006-1	762-00950
	BF90-BF150 V-TEC - 4 Stroke	2008 to date	762-90006-1	762-00950
JOHNSON®	BJ60-70 - 4 Stroke	2001 to 2007	762-90006-1	762-00950
	BJ90-115-140 - 4 Stroke	2001 to 2007	762-90006-1	762-00950
	J90-115 V4- 2 Stroke	1995 to 2007	762-90006-1	762-00950
EVINRUDE®	E40-E50-E55-E60 - 2 Stroke	2004 to date	762-90006-1	762-00950
	E75-E90 - 2 Stroke	2004 to date	762-90006-1	762-00950
	E115-E130-E135 V4 - 2 Stroke	1995 to date	762-90006-1	762-00950
	E150 - 2 Stroke V6	1995 to date	762-90006-1	762-00950
SUZUKI®	DF70-80-90 - 4 Stroke	1998 to date	762-90006-1	762-00950
	DF100-115-140 - 4 Stroke	1998 to 2008	762-90006-1	762-00950
	DF100-115-140 - 4 Stroke	2008 todate	762-90006-1	762-00950
	DF150 - 4 Stroke	2006 to date	762-90006-1	762-00950
TOHATSU®	50-60-70-90 - 2 Stroke	2004 to date	762-90006-1	762-00950
	115-120-140 - 2 Stroke	2004 to date	762-90006-1	762-00950
	40-50 TLDI - 4 Stroke	2004 to date	762-90006-1	762-00950
	70-90-115 TLDI - 4 Stroke	2004 to date	762-90006-1	762-00950

WARNING: These recommendations should be used as a general reference only. Final selection should be made with the assistance of a qualified installation technician. For any further information please contact our technical service.

For more information see: www.uflexusa.com

PROTECH OUTBOARD STEERING KIT 4.29 Turns Lock to Lock

For outboard engines 150 to 300 HP

PACKAGE KIT CONTAINS:

- **UP28FM** Front Mount Helm Pump **(762-00280)**
  Specify engine type when ordering
  762-90001-1 PROTECH 1.1 - with UC128TS-1 Cylinder **or**
  762-90002-1 PROTECH 2.1 - with UC128TS-2 Cylinder **or**
  762-90003-1 PROTECH 3.1 - with UC128TS-3 Cylinder
- **OIL 15** Hydraulic Oil - 2 quarts **(762-00015)**

Note: Hose Kit Extra

These recommendations should be used as a general reference only.
For further information please contact technical service at Phone no. 941-351-2628

NEW!

762-90001-1
Protech-1.1,
Hydraulic O/B Steering Kit
(Includes 762-01280-S1 Cylinder)

762-90002-1
Protech-2.1,
Hydraulic O/B Steering Kit
(Includes 762-01280-S2 Cylinder)

762-90003-1
Protech-3.1,
Hydraulic O/B Steering Kit
(Includes 762-01280-S3 Cylinder)

ENGINE MAKE	ENGINE MODEL	YEAR	PROTECH KIT	CYLINDER
MERCURY®	75-90-115-125, Optimax - 2 Stroke	2004 to date	762-90003-1	762-01280-S3
MARINER®	135-150-175, Optimax - 2 Stroke	1999 to date	762-90001-1	762-01280-S1
	200-225-250, Optimax - 2 Stroke	1999 to date	762-90001-1	762-01280-S1
	Racing 300 Optimax - 2 Stroke	1999 to 2011	762-90001-1	762-01280-S1
	100-115 EFI, - 4 Stroke	2007 to date	762-90001-1	762-01280-S1
	115-125-150 EFI, - 2 Stroke	1990 to 2007	762-90001-1	762-01280-S1
	225-250 EFI, - 2 Stroke	2000 to 2007	762-90001-1	762-01280-S1
	250 Saltwater EFI, - 4 Stroke	2007 to 2011	762-90001-1	762-01280-S1
	135 Verado L4, - 4 Stroke	2004 to 2006	762-90001-1	762-01280-S1
	150-175-200 Verado L4, - 4 Stroke	2004 to date	762-90001-1	762-01280-S1
YAMAHA®	75C-90, - 2 Stroke	1998 to 2008	762-90002-1	762-01280-S2
	115C-130B, - 2 Stroke	1990 to 2008	762-90002-1	762-01280-S2
	150F-200F-250G, - 2 Stroke	1996 to 2007	762-90002-1	762-01280-S2
	150 HPDI VMAX, - 2 Stroke	2000 to 2008	762-90002-1	762-01280-S2
	175-200-225-250-300 HPDI VMAX, 2 Str.	2000 to 2008	762-90002-1	762-01280-S2
	F90-F100-F115-F150 EFI, - 4 Stroke	1999 to 2007	762-90001-1	762-01280-S1
	F200-F225-F250-F300, - 4 Stroke	2006 to date	762-90002-1	762-01280-S2
	F115-F150	2004 to date	762-90001-1	762-01280-S1
HONDA®	BF75-90, - 4 Stroke	1995 to date	762-90001-1	762-01280-S1
	BF115D	1998 to 2009	762-90003-1	762-01280-S3
	BF115A	2009 to date	762-90001-1	762-01280-S1
	BF130A	1998 to 2005	762-90003-1	762-01280-S3
	BF135-150, - 4 Stroke	2005 to date	762-90001-1	762-01280-S1
	BF90-BF150 V-TEC, - 4 Stroke	2008 to date	762-90001-1	762-01280-S1
	BF175-200-225-250, - 4 Stroke	2001 to date	762-90001-1	762-01280-S1
JOHNSON®	BJ90-115-140, - 4 Stroke	2001 to 2007	762-90001-1	762-01280-S1
	J90-115, V4,- 2 Stroke	1995 to 2007	762-90002-1	762-01280-S2
	J150-175, V-6, - 2 Stroke	1995 to 2007	762-90002-1	762-01280-S2
	J200-225, V-6, - 4 Stroke	2004 to 2007	762-90002-1	762-01280-S2
EVINRUDE®	E75-E90, - 2 Stroke	2004 to date	762-90002-1	762-01280-S2
	E115-E130-E135, V-4, - 2 Stroke	1995 to date	762-90002-1	762-01280-S2
	E150-E175-E200, V-6, - 2 Stroke	1995 to date	762-90002-1	762-01280-S2
	E200 HO-E225-E250, V-6, - 2 Stroke	1995 to date	762-90002-1	762-01280-S2
	E250 HO-E300, V-6, - 2 Stroke		762-90002-1	762-01280-S2
SUZUKI®	DF70-80-90, - 4 Stroke	1998 to date	762-90002-1	762-01280-S2
	DF100-115-140, - 4 Stroke	1998 to date	762-90001-1	762-01280-S1
	DF100-115-140, - 4 Stroke (New Model)	2008 to date	762-90001-1	762-01280-S1
	DF150-175, - 4 Stroke	2006 to date	762-90001-1	762-01280-S1
	DF200-225-250-300		762-90002-1	762-01280-S2
TOHATSU®	115-120-140, - 2 Stroke	2004 to date	762-90002-1	762-01280-S2
	70-90-115 TLDI, - 4 Stroke	2004 to date	762-90001-1	762-01280-S1

Note: 2017 to date DF150, 175, & 200 require two cylinders for twin-engine application.
WARNING: These recommendations should be used as a general reference only. Final selection should be made with the assistance of a qualified installation technician. For any further information please contact our technical service.

PROTECH TILT OUTBOARD STEERING KIT 4.29 Turns Lock to Lock

For outboard engines 150 to 300 HP

PACKAGE KIT CONTAINS:

- **UP28T-X52 Front Mount Tilt Helm/ Helm Pump (762-00280-1)**
  Specify engine type when ordering
  762-90001-1T PROTECH 1.1T - with 01280TS-1 Cylinder **or**
  762-90002-1T PROTECH 2.1T - with 01280TS-2 Cylinder **or**
  762-90003-1T PROTECH 3.1T - with 01280TS-3 Cylinder
- **OIL 15** Hydraulic Oil - 2 quarts **(762-00015)**

Note: Hose Kit Extra

These recommendations should be used as a general reference only.
For further information please contact technical service at Phone no. 941-351-2628

NEW!

762-90001-1T
Protech 1.1T,
Hydraulic O/B Steering Kit
(Includes 762-01280-S1 Cylinder)

762-90002-1T
Protech 2.1T,
Hydraulic O/B Steering Kit
(Includes 762-01280-S2 Cylinder)

762-90003-1T
Protech 3.1T,
Hydraulic O/B Steering Kit
(Includes 762-01280-S3 Cylinder)

ENGINE MAKE	ENGINE MODEL	YEAR	PROTECH TILT KIT	CYLINDER
MERCURY® MARINER®	75-90-115-125, Optimax - 2 Stroke	2004 to date	762-90003-1T	762-01280-S3
	135-150-175, Optimax - 2 Stroke	1999 to date	762-90001-1T	762-01280-S1
	200-225-250, Optimax - 2 Stroke	1999 to date	762-90001-1T	762-01280-S1
	Racing 300 Optimax - 2 Stroke	1999 to 2011	762-90001-1T	762-01280-S1
	100-115 EFI, - 4 Stroke	2007 to date	762-90001-1T	762-01280-S1
	115-125-150 EFI, - 2 Stroke	1990 to 2007	762-90001-1T	762-01280-S1
	225-250 EFI, - 2 Stroke	2000 to 2007	762-90001-1T	762-01280-S1
	250 Saltwater EFI, - 4 Stroke	2007 to 2011	762-90001-1T	762-01280-S1
	135 Verado L4, - 4 Stroke	2004 to 2006	762-90001-1T	762-01280-S1
	150-175-200 Verado L4, - 4 Stroke	2004 to date	762-90001-1T	762-01280-S1
YAMAHA®	75C-90, - 2 Stroke	1998 to 2008	762-90002-1T	762-01280-S2
	115C-130B, - 2 Stroke	1990 to 2008	762-90002-1T	762-01280-S2
	150F-200F-250G, - 2 Stroke	1996 to 2007	762-90002-1T	762-01280-S2
	150 HPDI VMAX, - 2 Stroke	2000 to 2008	762-90002-1T	762-01280-S2
	175-200-225-250-300 HPDI VMAX, 2 Str.	2000 to 2008	762-90002-1T	762-01280-S2
	F90-F100-F115-F150 EFI, - 4 Stroke	1999 to 2007	762-90001-1T	762-01280-S1
	F200-F225-F250-F300, - 4 Stroke	2006 to date	762-90002-1T	762-01280-S2
	F115-F150	2004 to date	762-90001-1T	762-01280-S1
HONDA®	BF75-90, - 4 Stroke	1995 to date	762-90001-1T	762-01280-S1
	BF115D	1998 to 2009	762-90003-1T	762-01280-S3
	BF115A	2009 to date	762-90001-1T	762-01280-S1
	BF130A	1998 to 2005	762-90003-1T	762-01280-S3
	BF135-150, - 4 Stroke	2005 to date	762-90001-1T	762-01280-S1
	BF90-BF150 V-TEC, - 4 Stroke	2008 to date	762-90001-1T	762-01280-S1
	BF175-200-225-250, - 4 Stroke	2001 to date	762-90001-1T	762-01280-S1
JOHNSON®	BJ90-115-140, - 4 Stroke	2001 to 2007	762-90001-1T	762-01280-S1
	J90-115, V4,- 2 Stroke	1995 to 2007	762-90002-1T	762-01280-S2
	J150-175, V-6, - 2 Stroke	1995 to 2007	762-90002-1T	762-01280-S2
	J200-225, V-6, - 4 Stroke	2004 to 2007	762-90002-1T	762-01280-S2
EVINRUDE®	E75-E90, - 2 Stroke	2004 to date	762-90002-1T	762-01280-S2
	E115-E130-E135, V-4, - 2 Stroke	1995 to date	762-90002-1T	762-01280-S2
	E150-E175-E200, V-6, - 2 Stroke	1995 to date	762-90002-1T	762-01280-S2
	E200 HO-E225-E250, V-6, - 2 Stroke	1995 to date	762-90002-1T	762-01280-S2
	E250 HO-E300, V-6, - 2 Stroke		762-90002-1T	762-01280-S2
SUZUKI®	DF70-80-90, - 4 Stroke	1998 to date	762-90002-1T	762-01280-S2
	DF100-115-140, - 4 Stroke	1998 to date	762-90001-1T	762-01280-S1
	DF100-115-140, - 4 Stroke (New Model)	2008 to date	762-90001-1T	762-01280-S1
	DF150-175, - 4 Stroke	2006 to date	762-90001-1T	762-01280-S1
	DF200-225-250-300		762-90002-1T	762-01280-S2
TOHATSU®	115-120-140, - 2 Stroke	2004 to date	762-90002-1T	762-01280-S2
	70-90-115 TLDI, - 4 Stroke	2004 to date	762-90001-1T	762-01280-S1

Note: 2017 to date DF150, 175, & 200 require two cylinders for twin-engine application.
WARNING: These recommendations should be used as a general reference only. Final selection should be made with the assistance of a qualified installation technician. For any further information please contact our technical service.

SilverSteer™ HIGH PERFORMANCE OUTBOARD STEERING SYSTEMS

Specifically designed for high performance and high torque applications, the SilverSteer™ features a 1500 psi helm and keyed bullhorns on the cylinder for maximum durability and minimal lost motion. Whether a bass boat, flats boat or tournament style offshore fishing boat, the SilverSteer™ will deliver smooth, responsive and precise steering. Adjustable boss style fittings allow precise hose routing without the risk of breaking the fittings by over-tightening or leaking fittings from loosening during installation, a common problem on competing cylinders.

SILVERSTEER XP WHEEL TURNS: 5.28

For outboard engines 150 to 350 HP

SilverSteer XP packaged kit contains:

- **UP25 F-SVS** 762-88250 Front Mount Helm Pump
- **UC130-SVS** Front Mount Outboard Cylinder. Specify engine type when ordering.
- **Oil 15** Hydraulic Oil 2 litres (0.5 gallons)

Note: Hose kit with preassembled fittings **not included.**
Specify engine type when ordering. ***See Page 71*** for Hose Kits

SilverSteer™ XP1- Front Mount O/B System with 130-SVS 1 Cylinder
ORDER NO. 762-88001-XP Mfr. No. SILVERSTEERXP1

SilverSteer™ XP1- Front Mount O/B System with 130-SVS 1 Cylinder
ORDER NO. 762-88001-XPT Mfr. No. SILVERSTEERXP1T **with Tilt**

SilverSteer™XP2- Front Mount O/B System with 130-SVS 2 Cylinder
ORDER NO. 762-88002-XP Mfr. No. SILVERSTEERXP2

SilverSteer™XP2- Front Mount O/B System with 130-SVS 2 Cylinder
ORDER NO. 762-88002-XPT Mfr. No. SILVERSTEERXP2T **with Tilt**

ENGINE MAKE	ENGINE MODEL	YEAR	SILVERSTEER KIT	CYLINDER
MERCURY® MARINER®	115-125-150 EFI - 2 Stroke	1990 to 2007	762-88001-XP	762-01301
	225-250 EFI - 2 Stroke	2009 to 2007	762-88001-XP	762-01301
	135-150-175 Optimax	1999 to date	762-88001-XP	762-01301
	200-225-250 Optimax	1999 to date	762-88001-XP	762-01301
	Racing 300 Optimax	1999 to 2011	762-88001-XP	762-01301
	250 Saltwater EFI - 4 Stroke,	2007 to 2011	762-88001-XP	762-01301
	135-150-175-200 Verado L4	2004 to date	762-88001-XP	762-01301
	Fourstroke 175-200 V6	2018 to date	762-88001-XP	762-01301
	Fourstroke 225-300 V8	2018 to date	762-88001-XP	762-01301
YAMAHA®	115C-130B, - 2 Stroke	1990 to 2008	762-88002-XP	762-01302
	150F-200F-250G, - 2 Stroke	1996 to 2007	762-88002-XP	762-01302
	150 HPDI VMAX - 2 Stroke	2000 to 2008	762-88002-XP	762-01302
	175-200-225-250-300 HPDI VMAX, 2 Str.	2000 to 2008	762-88002-XP	762-01302
	F115-F150 EFI - 4 Stroke	1999 to 2007	762-88001-XP	762-01301
	F200-F225-F250 - 4 Stroke	2002 to 2007	762-88002-XP	762-01302
	F115-F150-F175-F200 L4	2004 to date	762-88001-XP	762-01301
	F200-F225-F250-F300-F350 V6 - 4 Stroke	2004 to date	762-88002-XP	762-01302
	F350 V8 4 Stroke	2006 to date	762-88001-XP	762-01301
HONDA®	BF135-BF150, - 4 Stroke	2005 to date	762-88001-XP	762-01301
	BF150 V-TEC, 4 Stroke	2008 to date	762-88001-XP	762-01301
	BF175-BF200-BF225-BF250 - 4 Stroke	2001 to date	762-88001-XP	762-01301

WARNING: These recommendations should be used as a general reference only. Final selection should be made with the assistance of a qualified installation technician. For any further information please contact our technical service.

See opposite page for Continuation of Application Chart.

SilverSteer™

Continuation of Application Chart.

ENGINE MAKE	ENGINE MODEL	YEAR	SILVERSTEER KIT	CYLINDER
JOHNSON®	BJ90-115-140, - 4 Stroke	2001 to 2007	762-88001-XP	762-01301
	J90-115 V4- 2 Stroke	1995 to 2007	762-88002-XP	762-01302
	J150-175 V6 - 2 Stroke	1995 to 2007	762-88002-XP	762-01302
	J200-225 V6 - 4 Stroke	2004 to 2007	762-88002-XP	762-01302
EVINRUDE®	E115-E130-E135 V4 - 2 Stroke	1995 to date	762-88002-XP	762-01302
	E150-E175-E200 V6 - 2 Stroke	1995 to date	762-88002-XP	762-01302
	E225-E250-E300 V6 - 2 Stroke	1995 to date	762-88002-XP	762-01302
SUZUKI®	DF100-115-140, - 4 Stroke	2008 to date	762-88001-XP	762-01301
	DF150-175-DF200 L4 - 4 Stroke	2006 to date	762-88001-XP	762-01301
	DF200-DF225-DF250 V6 - 4 Stroke	2004 to date	762-88002-XP	762-01302
	DF300-DF350 V6 - 4 Stroke	2004 to date	762-88002-XP	762-01302
TOHATSU®	115-120-140 - 2 Stroke	2004 to date	762-88002-XP	762-01302
	70-90-115 TLDI - 4 Stroke	2004 to date	762-88001-XP	762-01301
	BFT60-75-90 - 4 Stroke	2015 to date	762-88001-XP	762-01301
SELVA®	80 Portofino/Tigershark - 2 Stroke	1995 to 2008	762-88001-XP	762-01301
	150 White Shark - 2 Stroke	2001 to 2007	762-88002-XP	762-01302
	100EFI Marlin - 115 EFI Narwhal-	2000 to date	762-88001-XP	762-01301
	150EFI Killer Whale - 4 Stroke	2000 to date	762-88001-XP	762-01301
OXE®	200 HP Diesel	2018 to date	762-88001-XP	762-01301

WARNING: These recommendations should be used as a general reference only. Final selection should be made with the assistance of a qualified installation technician. For any further information please contact our technical service.

Single Engine
Single Cylinder

Application: Up to 350 hp maximum
Wheel Turns:
5.28 (UP25F-SVS) Helm Pump
or 3.96 (UP33F-SVS) Helm Pump
Components Needed:
Cylinder (1) (UC130-SVS)
Helm Pump (1) (UP25F-SVS or UP33F-SVS)
Hose Kit (1) (KIT OB-SVS)
Oil (2) (OIL 15)
Steering Wheel (Wheel Selection)

For a second station add:
(1) UP25F-SVS or UP33F-SVS helm pump, (1) KIT OB-2S fitting kit, (1) KIT OB-SVS, 1 OIL 15 , 1 steering wheel

Dual Engine
Single Cylinder

Application:
Up to 350 hp maximum
(non-counter rotating engine)
Up to 600 hp maximum
(counter rotating engine)
Wheel Turns:
5.28 (UP25F-SVS) Helm Pump
or 3.96 (UP33F-SVS) Helm Pump
Components Needed:
Cylinder (1) (UC130-SVS)
Helm Pump (1) (UP25F-SVS or UP33F-SVS)
Hose Kit (1) (KIT OB-SVS)
Oil (2) (OIL 15)
Tie Bar (1) A94
Steering Wheel (Wheel Selection)

For a second station add:
(1) UP25F-SVS or UP33F-SVS helm pump, (1) KIT OB-2S fitting kit, (1) KIT OB-SVS, 1 OIL 15 , 1 steering wheel

Dual Engine
Dual Cylinder

Application:
Up to 600 hp maximum
(non-counter rotating engine)
Up to 700 hp maximum
(counter rotating engine)
Wheel Turns:
10.57 (UP25F-SVS) Helm Pump
or 7.93 (UP33F-SVS) Helm Pump
Components Needed:
Cylinder (1) (UC130-SVS)
Cylinder Port (1) (UC130P-SVS)
Helm Pump (1) (UP25F-SVS or UP33F-SVS)
Hose Kit (1) (KIT OB-SVS)
Oil (3) (OIL 15)
Tie Bar (1) A90
Steering Wheel (Wheel Selection)
Connection Kit (1) KIT OB-DBR-SVS)

For a second station add:
(1) UP25F-SVS or UP33F-SVS helm pump, (1) KIT OB-2S fitting kit, (1) KIT OB-SVS, 1 OIL 15 , 1 steering wheel

ATTENTION: The Siversteer™ helm pumps are always to be installed in conjunction with the UC130-SVS cylinder and the resinforced hose kit KIT-OB-SVS.

INDIVIDUAL COMPONENTS

UP18 HELM PUMP

- Built-in lock valve for positive rudder lock
- Integral relief valve for over-pressure protection
- 3/4" tapered anodized aluminum shaft
- Corrosion proof composite housing
- Easy accessible lock valve and shaft seal for replacement
- For use with UC81-OBF cylinder only
- Intermediate dashboard position mount

FRONT MOUNT HELMS

ORDER NO.	Model No.	Displacement/ Revolution	No. of Pistons	Relief Valve
SPECIAL ORDER	UP18	18 cc - 1.1 cu.in	5	55 Bar - 800 PSI

UP20 F - FRONT MOUNT HELM PUMP

- Built-in lock valve for positive rudder lock
- Integral relief valve for over-pressure protection
- 3/4" tapered anodized aluminum shaft
- Corrosion proof composite housing
- Easy accessible lock valve and shaft seal for replacement
- For use with UC94-OBF/1 or UC94-OBF/3 cylinder only
- Intermediate dashboard position mount

FRONT MOUNT HELM

ORDER NO.	Model No.	Displacement/ Revolution	No. of Pistons	Relief Valve
SPECIAL ORDER	UP20F	20 cc - 1.2 cu.in	5	70 Bar - 1000 PSI

UP25FM - FRONT MOUNT HELM PUMP

- Compact designn
- Ball bearing piston race
- Built-in lock valve for positive rudder lock
- Integral relief valve for over-pressure protection
- 3/4" tapered stainless steel shaft
- Easy accessible lock valve and shaft seal for replacement

FRONT MOUNT HELMS

ORDER NO.	Model No.	Displacement/ Revolution	No. of Pistons	Relief Valve
762-00250	UP25FM	25 cc - 1.5 cu.in	5	70 Bar - 1000 PSI
TILT				
762-00250-1	UP25T-X52	25 cc - 1.5 cu.in	5	70 Bar - 1000 PSI

FRONT MOUNT HELM UP-28-FM

- Drop-in Replacement for SeaStar® Helms
- Built-in Check Valve to Eliminate Rudder Torque
- Shaft: 3/4" Tapered Shaft
- Maximum Wheel Diameter: 710mm - 28"

FRONT MOUNT HELMS

ORDER NO.	Model No.	Displacement/ Revolution	No. of Pistons	Relief Valve
762-00280	UP28FM	28 cc - 1.7 cu.in	5	70 Bar - 1000 PSI
TILT				
762-00280-1	UP28T-X52	28 cc - 1.7 cu.in	5	70 Bar - 1000 PSI

BUBBLEBUSTER™

A Portable Device for Automatic Filling & Purging of Hydraulic Systems!

- Reduce time and simplify purging hydraulic steering systems
- Features a Zero Emulsion pump, 1 gal. capacity reservoir
- Compatible with competing helms and cylinders
- 100% portable

ORDER NO. 762-99999 Mfr. No. BUBBLEBUSTER

SPECIAL ORDER ITEM

INDIVIDUAL COMPONENTS

762-88330

FRONT MOUNT & TILT MOUNT FEATURES:

- Available in two different displacement size helms for the SVS
- Compact design
- Ball bearing piston race
- Built-in lock valve for positive rudder lock
- Integral relief valve for over-pressure protection 105 bar (1500 psi)
- 3/4" tapered stainless steel shaft
- Easily accessible lock valve and shaft seal for replacement
- Cast iron rotor for greater durability and longer life
- Complete with fittings adjustable at 90° for 3/8" tube
- CE

762-88331

FRONT MOUNT HELMS

ORDER NO.	Mfr. No.	Displacement/Revolution	No. of Pistons
762-88250	UP25F-SVS	25 cc - 1.5 cu.in	5
762-88330	UP33F-SVS	33 cc - 2.0 cu.in	7

ADDITIONAL FEATURES FOR TILT MOUNT HELMS:

- Includes Tilt mechanism for SilverSteer™ systems ORDER NO. 762-00070 (Mfr. No. X70-SVS)
- Tilt range of 48° and five locking positions

ORDER NO.	Mfr. No.	Displacement/Revolution	No. of Pistons
762-88251	UP25T-SVS-X70	25 cc - 1.5 cu.in	5
762-88331	UP33T-SVS-X70	33 cc - 2.0 cu.in	7
762-88391	UP39T-SVS-X70	39 cc - 2.4 cu.in	7

SILVERSTEER™ O/B HYDRAULIC KEVLAR HOSE KIT – 2 HOSES

Hose Kit for Single Station Installation for SILVERSTEER™ Systems
Two high pressure flexible hoses with pre-crimped nickel plated brass fittings, and bend restrictors on one end. Recommended for use with all Uflex Silversteer™ and MasterDrive™ helms with 1500 psi relief valves.

ORDER NO.	Mfr. No.	Description
762-88814	KITOBSVS-14'	SILVER STEER Hose Kit 14 ft.
762-88816	KITOBSVS-16'	SILVER STEER Hose Kit 16 ft.
762-88818	KITOBSVS-18'	SILVER STEER Hose Kit 18 ft.
762-88820	KITOBSVS-20'	SILVER STEER Hose Kit 20 ft.
762-88822	KITOBSVS-22'	SILVER STEER Hose Kit 22 ft.

HIGH PRESSURE HYDRAULIC FLEXIBLE HOSE KITS - KITOB

ORDER NO.	Mfr. No.	Description
762-99910	KITOB-10'	Hose Kit w / Bend Restrictors 10'
762-99912	KITOB-12'	Hose Kit w / Bend Restrictors 12'
762-99914	KITOB-14'	Hose Kit w / Bend Restrictors 14'
762-99916	KITOB-16'	Hose Kit w / Bend Restrictors 16'
762-99918	KITOB-18'	Hose Kit w / Bend Restrictors 18'
762-99920	KITOB-20'	Hose Kit w / Bend Restrictors 20'
762-99922	KITOB-22'	Hose Kit w / Bend Restrictors 22'
762-99924	KITOB-24'	Hose Kit w / Bend Restrictors 24'

Hose Kit for Single Station Installation
Two high pressure flexible hoses with pre-crimped nickel plated brass fittings, and bend restrictors on one end. Recommended for use with all Ultraflex helms with 1500psi relief valves.

HYDRAULIC OIL - OIL 15

Grade: ISO VG 15
Viscosity: 15 cst @ 40° Celsius
Viscosity Index: >150
Solidification Point: <-30° Celsius
ORDER NO. 762-00015 1 U.S. Quart

INDIVIDUAL COMPONENTS

UC-132-OBS SIDE MOUNT CYLINDER

- 163cc / 9.95 cu.in Displacement
- Patented Mounting Collar for Easy Installation
- Rated for 450 Horsepower
- Counter Rotating Engines

ORDER NO. 762-01320 Mfr. No. UC132 OBS

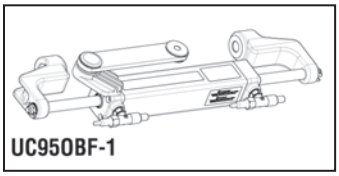
UC95-OBF FRONT MOUNT OUTBOARD CYLINDER - *See Application Chart for HYTECH Steering Kits on Page 65*

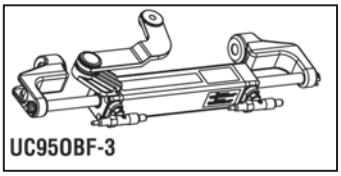
Applicable to engines up to 175hp and under. Constructed of top grade material, this cylinder is simple to install, exceptionally reliable, and fits almost every 2 & 4 stroke outboard engine on the market. 4.5 Turns lock-to-lock.

- Highly efficient & durable replacement end seals with linear bearing, high pressure seal, & wiper
- Carbon steel piston for excellent durability and split pinned mounting rod for smooth install

Volume: 94cc - 5.7 cu. in. **Output Force:** 278 kg - 613 lbs.
Inside Diameter: 30 mm - 1.18", **Stroke:** 186 mm - 7.3"
Fittings: 3/8" (9,5 mm) - For high pressure flex hose
Bleed fitting: DN5 Quick connect

NEW!





ORDER NO. 762-00950 Mfr. No. UC950BF-1
ORDER NO. 762-00953 Mfr. No. UC950BF-3

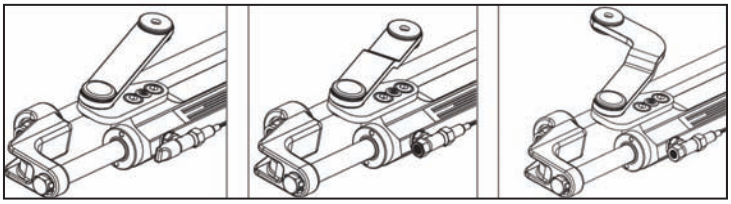
UC-128TS FRONT MOUNT OUTBOARD CYLINDER - *See Application Chart for PROTECH & PROTECH TILT Steering Kits on Page 66 & 67*

UC128TS is defined by optimal performance & durability for hydraulic steering on outboard engines. 300hp single engine, single cylinder applications, & up to 600hp on dual engine, dual cylinder applications. With a newly innovative design, the UC128TS is the legitimate solution for all steering system upgrades & replacements.

NEW!

- Latelest technology to isolate from tilt tube & eliminate friction
- Highly efficient & durable replacement end seals with linear bearing, high pressure seal, & wiper
- Stainless steel chrome plated rod
- Electropolished & passivated link assembly

Volume: 120cc - 7.3 cu. in. **Output Force:** 450 kg - 992 lbs.
Inside Diameter: 35 mm - 1.37", **Stroke:** 185 mm - 7.28"
Fittings: 3/8" (9,5 mm) - For high pressure flex hose
Bleed fitting: DN5 Quick connect



UC-128TS-1
ORDER NO. 762-01280-S1

UC-128TS-2
ORDER NO. 762-01280-S2

UC-128TS-3
ORDER NO. 762-01280-S3

END CAP ONLY

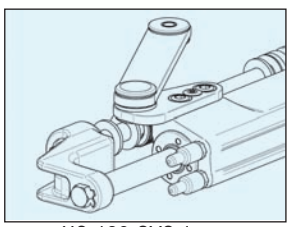
- For use with all 3 UC-128 applications

ORDER NO. 762-90128 Mfr. No. UC128 END CAP

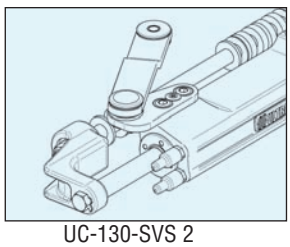
UC130-SVS FRONT MOUNT CYLINDER - *See Application Chart for SILVERSTEER Steering Kits on Page 68 & 69*

Specifically designed for high performance, high torque applications. Balanced: The number of turns lock-to-lock is equal port to starboard or vice-versa. In the applications with dual UC130-SVS cylinder it is necessary to order a standard UC130-SVS cylinder (link arm attached to the starboard side of the cylinder) and a port UC130-SVS cylinder (link arm attached to the port side of the cylinder). A90 tie bar (SPECIAL ORDER ITEM) required for use on dual engine/dual cylinder applications.
Depending on the applications on the outboard engines, the UC130P-SVS port cylinder is available in 2 versions:

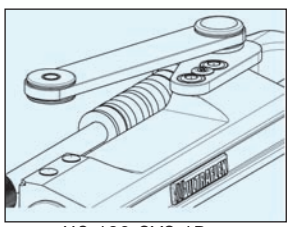
Volume: 130cc - 7.93 cu. in, **Output Force:** 492 kg - 1085 lbs.
Inside Diameter: 36 mm - 1.42", **Stroke:** 185 mm - 7.28"
Fittings: 3/8" (9,5 mm) - For high pressure flex hose
Bleed fitting: DN5 Quick connect



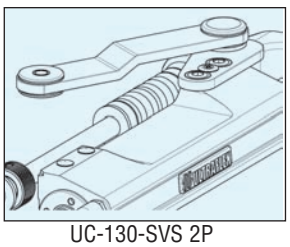
UC-130-SVS 1
ORDER NO. 762-01301



UC-130-SVS 2
ORDER NO. 762-01302



UC-130-SVS 1P
ORDER NO. 762-01301-P



UC-130-SVS 2P
ORDER NO. 762-01302-P

SPECIAL ORDER ITEM

PADDLE TRIM

For complete control of engine trim and tilt, trim tabs, jackplates, PowerPole(R) and other on board systems, the innovative Paddle Trim system is the answer.

Adaptable to existing front mount hydraulic and tilt helms, the Paddle Trim is ergonomically designed to allow the driver to make precise adjustments to the attitude of the boat or other systems without removing his hand from the steering wheel.

- Available both in single and dual versions (for either two equal or two different outputs).
- Both single or dual paddle can be positioned at various angles for the most comfortable choice.
- Equipped with one water proof “MOM.ON-OFF-MOM.ON” switch (2 switches on dual version).
- Max load 5 Amp @ 12VDC.
- For loads exceeding 5 Amp we recommend the use of the KTR - 42860S kit relay
- Uflex® trim tabs require the use of the KTR - 42860S kit relay
- Suitable for any kind of steering wheel dish. Max wheel dia. 15.7” (400 mm)
- Easy to install on the following Ultraflex® steering systems:
  - front and tilt mount hydraulic helms
  - tilt mount mechanical helms
- Wiring harness, labels and mounting hardware kit are included
  The mounting plate, which differs between front and tilt mount installation, is ordered separately

ORDER NO.	Mfr. No.	Description
762-40001	PTS1	Paddle Trim Kit, **Single**
762-40002	PTS2	Paddle Trim Kit, **Dual**

PTS1

PTS2

TILLER STEERING SYSTEM - ZERO TORQUE

Neutralize propeller torque with the ZTF Tiller! This unique tiller handle contains a hydraulic valve and cylinder that virtually locks out propeller torque while not actively changing the direction of the boat.

- Rated for Mercury® engines up to 150 HP
- Includes Mercury® "BIG TILLER" and the hydraulic valve and cylinder
- Safer boat handling operations
- Consistent boat direction
- Fatigue reducer
- Patented

ORDER NO. 762-50000 Mfr. No. ZTF TILLER M1T

When the handle is operated it swivels around its pivot and moves the linkage bar which will operate the valve.

For more information see:
www.uflexusa.com

ROPE STEERING ACCESSORIES

SEA-DOG LINE QUALITY MARINE GEAR

CABLE CLAMP

Die Cast Zinc Chrome Plated
Cable Dia. 3/16''

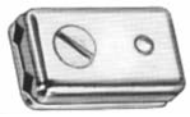
ORDER NO. 420-91852 (Pair)

Mfr. No. 091852-1

attwood

TILLER LINE CLAMP

Die-Cast ZAMAK
For 3/16'' to 1/4'' diameter tiller line



ORDER NO. 218-80430 (Pair)

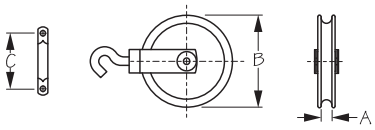
Mfr. No. 8043-3

For more information see: www.attwood.com

SEA-DOG LINE QUALITY MARINE GEAR

TILLER ROPE PULLEY

Stamped 304 Stainless - Nylon Sheave



ORDER NO.	Mfr. No.	A Wire Dia.	B	C	D	E	Eye Strap
100-91934	091934-1	3/16"	2-7/16"	1-1/8"	3/8"	7/16"	Yes

For more information see: www.seadog.com

SEA-DOG LINE QUALITY MARINE GEAR

TILLER ROPE SPRINGS

Electrogalvanized Steel
Normal Length: 5''
Compressed Length: 6''
Mfr. No. 091814-1

ORDER NO. 420-91814 (Pair)

DetMar CORPORATION

TILLER ROPE GROMMET

Molded of durable polyethylene.
Has 3" opening and 5/16" inside flange. Uses #10 fasteners.

ORDER NO. 101-10153 White Grommet
ORDER NO. 101-10155 Black Grommet

MARINE

CABLE BOOT

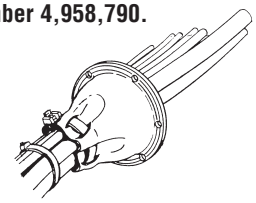
This is truly a functional cable boot that is easy to install. No longer necessary to split or cut your motor well boot to pass cables through. This cable boot provides a fully open area to pass wiring and cables through and when rigging is complete simply pull cable tie snug around wires and cable to complete installation. The cable boot is constructed of rugged black vinyl that resists ultraviolet rays, gasoline and oil.
This cable boot is available in two sizes to cover all installation requirements. Patent Number 4,958,790.

CABLE BOOT 3"

ORDER NO. 205-90010 - Black
ORDER NO. 205-90011 - White
Requires a 3" diameter hole and mounts with 6 pan head screws.

CABLE BOOT 4-1/2"

ORDER NO. 205-90040
ORDER NO. 205-90041
Requires a 4-1/2" diameter hole and mounts with 8 pan head screws.



MARINE

T-H FLEX™ SLEEVING

- Lightweight sleeving
- Protects wire, cables and hoses
- Braided from high temperature yarn.
- Expands up to four times its normal diameter

ORDER NO.	Mfr. No.	Description
205-00125	FLX-125-DP	1-1/4" x 50' Flex Sleeving
205-00150	FLX-150-DP	1-1/2" X 50' Flex Sleeving
205-00200	FLX-200-DP	2" x 50' Flex Sleeving

For more information see: www.thmarine.com

MOTORWELL BOOT

DetMar CORPORATION

Rigid, high-impact, non-corrosive, plastic reinforcing ring is molded into boot.
This makes mounting easy, cost effective and water tight with only four #8 fasteners required.

ORDER NO. 101-01511
Covers 3" hole
ORDER NO. 101-10151
Covers 4" hole

For more information see: www.detmarcorp.com

SEA-DOG LINE QUALITY MARINE GEAR

ORDER NO.	Mfr. No.	A	B	Fastener
MOTORWELL BOOT				
Molded Rubber				
425-21630	521630-1	3"	3/16"	#8 RH
425-21655	521655-1	5-1/2"	3/16"	#8 RH
MOTORWELL BOOT SPLIT				
Molded Rubber/Injection Molded Nylon				
425-21663	521663-1	4-1/8"	1/2"	#8 RH
425-21664	521664-1	5-1/2"	9/16"	#8 RH

For more information see: www.sea-dog.com

DOMETIC OUTDOOR

HOW TO MEASURE CONTROL CABLES "Measure twice. Order once"

For A NEW INSTALLATION

Measure cable routing path from control head attachment point to engine connection, as follows:

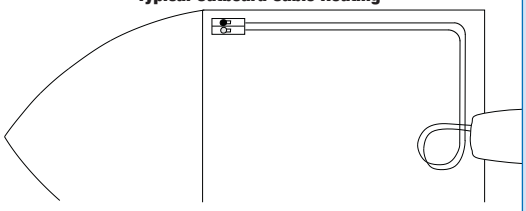
Outboards

Measure from control along unobstructed cable routing to center of outboard. Add four feet to allow for loop which provides unrestricted engine movement. Round up to the next foot and order required cable part number. (Last two digits of cable part number equal cable length in feet.)

Inboards & Stern Drives

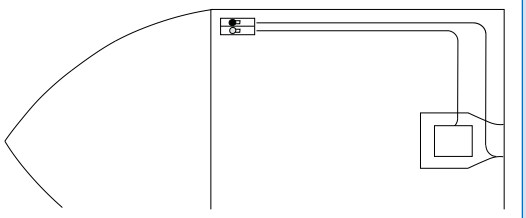
Measure from control along unobstructed cable routing to shift and/or throttle connection. Round this dimension up to the next foot and order required cable part number. (Last two digits of cable part number equal cable length in feet.)

Typical Outboard Cable Routing



TYPICAL OUTBOARD CABLE ROUTING
(MEASURE CABLE PATH + ROUND UP
TO NEXT EVEN FOOT + ADD 4 FEET FOR
LOOP AT ENGINE TO PREVENT KINKING)

Typical Stern Drive (I/O) or Inboard Cable Routing

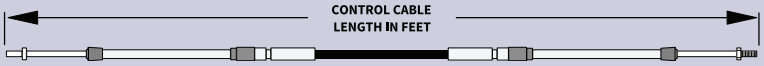


TYPICAL STERN DRIVE/INBOARD
CONTROL CABLE ROUTING
(MEASURE CABLE PATH +
ROUND UP TO NEXT EVEN FOOT)

For REPLACEMENT OF EXISTING CABLES

If you removed the old cable, measure for replacement cable as follows:

Measure from tip to tip and round up to the next foot, if necessary (aftermarket cables are sold in foot increments).
The control cable part number contains its length. Dometic cables are usually listed as CC???XX, where XX = length in feet.



FOR EXAMPLE: Part Number CCX63320 = 20 ft. CCX633 Control Cables or
Morse® Part Number *032377-03-240.0 = 20 ft. 33C Control Cable

*This cable is no longer available.
Use CCX633XX as a replacement

WHAT TO CONSIDER WHEN SELECTING CABLES

Dometic makes engine control cables for a wide variety of applications. We recommend their use with our controls as well as in engine manufacturers' control systems. We offer three grades of cable: Standard, Midrange & xtreme (PREMIUM)

THREE PERFORMANCE GRADES:

xtreme control cables can be used in any boat. They are by far the best choice for long runs, twin stations or other difficult routings with multiple cable bends. Midrange cables are recommended for somewhat longer cable routings and heavier use than their standard counterparts. Standard cables are suitable for most applications with short, simple cable routings.

FOUR APPLICATION TYPES:

- **OEM Replacement Type**

Dometic offers a direct replacement cable for almost every engine manufacturer's control. Most of our OEM type cables are available in both standard & xtreme versions.

- **Universal (3300/33C) Type**

Universal (or 3300/33C) type throttle/shift control cables are direct replacements for many boats using aftermarket controls or most engine manufacturer's controls with the correct adapter kit. Universal 3300/33C cables can be connected to most engines. These cables are offered in all three grades: standard, midrange & Xtreme.

- **Universal (4300/43 6400/64) Types**

Heavy duty universal type control cables are available in xtreme versions only. These are drop-in replacements for 43C, 43BC, 64C & 64BC style cables.

- **Jet Boat Gate Control Cables**

Three styles of drive-specific jet boat gate control cables are available, for Mercury Sport Jet® 90 & early 120s, Sport Jet 175s & OMC Turbo Jet®. Our Xtreme 43BC cable is used on most other popular jet drives. Replacement throttle control cables are generally an OEM or 3300/33C Universal Type.

Dometic control cables meet OEM specifications for fit, function, reliability and quality. They are built with marine-grade, corrosion-resistant materials and feature either xtreme premium core construction or Lubri-Core™ lifetime internal lubrication.

For more information see: www.dometic.com

DOMETIC OUTDOOR

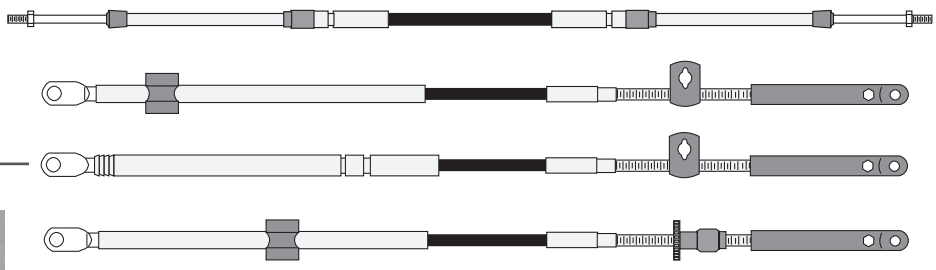
PRODUCT RANGE MECHANICAL CONTROLS

KEY:
●Standard ◘Optional ✱Optional for ski version, CH2200

SINGLE FUNCTION

SERIES	TWIN S	ST/STB
CONTROL FEATURES		
START-IN-GEAR PROTECTION	◘	
NEUTRAL INTERLOCK		
ENGINE WARM-UP PROVISION	●	
ENGINE CUT-OF SWITCH		
ADJUSTABLE THROTTLE BRAKE	●	◘
TRIM & TILT SWITCH		
ADJUSTABLE TRAVEL STOPS	●	
MAXIMUM NUMBER OF ENGINES	1	1
CONTROL CABLES		
33C/3300 UNIVERSAL TYPE	●	●
43 SERIES CABLES	◘	●
XTREME CABLES		◘

GENERAL CONTROL CABLES



CC230XX

CC179XX

CC189XX

CC205XX

Gen II type cable designed specifically to be used with Mercury 4000 series controls.

Black Cable

3300/33C (1ft. increments)	COLOUR	PART NO.
Standard	Black	CC230XX
Mercury/Mercruiser (1ft. increments)		
Standard (600A type)	Black	CC179XX
Standard (Gen II type)	Black	CC189XX
BRP-OMC-Johnson/Evinrude 1979 to date (1ft. increments)		
Standard (479 type)	Black	CC205XX

XX = Length in feet

For more information see: www.dometic.com

DOMETIC OUTDOOR

PRODUCT RANGE MECHANICAL CONTROLS

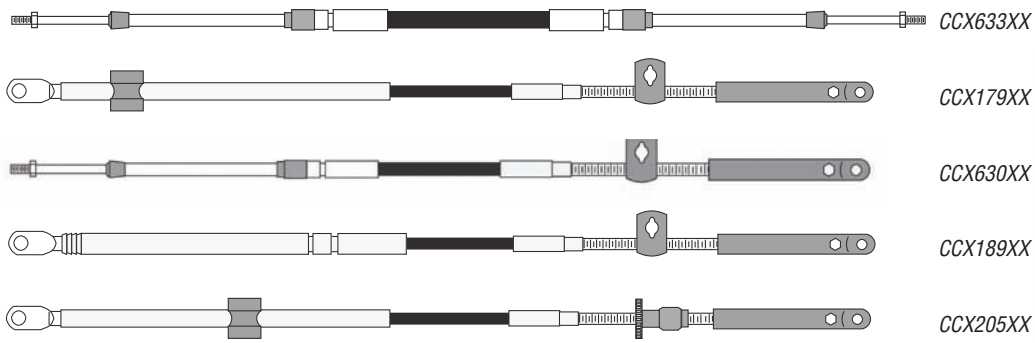
DUAL FUNCTION

KEY:
●Standard ◘Optional ✱Optional for ski version, CH2200

MT3 TOP	MT3 SINGLE	CH2200/ CH2300	CHX8000/ CHX8500	CHX8300/ CHX8800	CHX8100/ CHX8600	CHX8200/ CHX8700
●	●	● ✱	●	●	●	●
		●	●	●	◘	
●	●	●	●	●	●	●
			●	●		
		●	●	●	●	●
			◘	◘	◘	◘
2	1	1	1	1	1	2

●	●	●	●	●	●	●
	◘					
◘	◘	◘	◘	◘	◘	◘

xtreme CONTROL CABLES

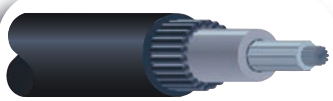


CCX633XX
CCX179XX
CCX630XX
CCX189XX
CCX205XX

3300/33C (1ft. increments)			COLOUR	PART NO.
Premium	(Universal)		Black	CX633XX
Mercury/Mercruiser (1ft. increments)				
Premium	xtreme	(600A type)	Black	CX179XX
Premium	xtreme	(3600 type)	Black	CX630XX
Premium	xtreme	(Gen II type)	Black	CX189XX
BRP-OMC-Johnson/Evinrude (1ft. increments)				
Premium	xtreme	(479 type)	Black	CX205XX

XX = Length in feet

For more information see: www.dometic.com



xtreme BY DOMETIC

XTREME control cables are simply the best cable in the business. Patent-pending unique splined-core design gives you maximum performance with no lost motion. Recommended for long cable runs.

XTREME CONTROLS - Upgrade to Xtreme Controls

- **Comfortable Handle & Grip**
- **Tactile Switch Functions**
- **Optimized System Performance**
- **Designed for Human Interaction**

SINGLE TOP MOUNT

The ergonomics and features of our controls are the most advanced available and are suitable for most types of boats with single engine applications. The shapely, balanced handle provides a very comfortable feel and the state of the art mechanism guarantees a smooth yet solid action, assuring you have maximum control at all times.

DUAL TOP MOUNT

These controls offer options that most top mount controls in the market do not. Options include trim (most outboards) or trim and tilt (most stern drives) or the neutral lock out button. This control is designed for twin engine applications and is suitable for use with both universal type (3300) or OEM type control cables without the need for adaptation. The neutral lock out button is great for center console boats where there is a possibility the control can be bumped while passing by knocking it into gear.
The standard items on these controls are the shapely and balanced hand grips that give you a very smooth, yet solid feel, the neutral safety switch and the neutral warm up button. These controls can not only use the 3300/33C style control cables they can also use Mercury® style cables from 1965 to date including the Gen II, OMC/Johnson/Evinrude/BRP® control cables from 1979 to date. This makes it one of the most desirable replacement controls in the market today.

SIDE MOUNT

Two new styles of side mount controls. Each designed for the correct application of either a center console or starboard side gunwale mounting. These unique handle designs place the grip and trim switches in a natural position. These controls come with the standard features of neutral safety switch, neutral lock out, neutral warm up and the safety stop switch with lanyard. You can also get the optional trim switch (most outboards) or trim and tilt (most stern drives). These controls can use the 3300/33C style control cables and Mercury® style cables from 1965 to date, including the Gen II, OMC/Johnson/Evinrude/BRP® control cables from 1979 to date.
This makes it one of the most desirable replacement controls in the market today.

ALL CONTROL FEATURES:

- Lever/handle updated for aesthetics, ergonomics, and improved durability.
- Multitude of control configurations to suit all boating types.
- Minimal changes to mounting scheme or cable nesting from Osprey or SL-3.
- Superior feel and function for most outboards, stern drives & inboards.
- Dual function lever controls both throttle and shift of one engine.
- Neutral interlock and start-in-gear protection (standard) for side mount controls.
- Optional Trim in the handle.
- Neutral engine warm-up feature (standard).
- Optional tilt switch available.
- Standard lanyard-style cut-off switch for emergency engine shut down for side mount controls.
- Friction adjustment feature included.
- "Easy-On" cable design accepts virtually every type of OEM and 3300/33C type cable.
- Easily adapted to push or pull cable actuation mode.
- Mechanical advantage 2.38:1.
- Meets/exceeds all applicable standards.
- Designed and assembled in the USA.

Dometic Recommends Using
xtreme
Cables With These Controls

DESCRIPTION	Mfr. No.	ORDER NO.
XTREME SIDE MOUNT - CHROME		
Xtreme Side Mount, Chrome with Engine Cut Off Switch, Trim Switch	CHX8051P	118-80510-P
Xtreme Side Mount, Chrome with Engine Cut Off Switch, Trim Switch, Tilt Switch	CHX8052P	118-80520-P
XTREME SINGLE TOP MOUNT - CHROME		
Xtreme Single Top Mount, Chrome with Neutral Interlock on Handle, Trim Switch	CHX8151P	118-81510-P
Xtreme Single Top Mount, Chrome with Neutral Interlock on Handle, Trim Switch, Tilt Switch	CHX8152P	118-81520-P
XTREME DUAL TOP MOUNT - CHROME		
Xtreme Dual Top Mount, Chrome (NO Neutral Interlock on Handle)	CHX8240P	118-82400-P
Xtreme Dual Top Mount, Chrome, Trim Switch (NO Neutral Interlock on Handle)	CHX8241P	118-82410-P
Xtreme Dual Top Mount, Chrome, Trim Switch, Tilt Switch (NO Neutral Interlock on Handle)	CHX8242P	118-82420-P
XTREME CENTER CONSOLE (Port Mount) SIDE MOUNT - CHROME		
Xtreme Center Console Side Mount, Chrome with Engine Cut Off Switch, Trim Switch	CHX8351P	118-83510-P
Xtreme Center Console Side Mount, Chrome with Engine Cut Off Switch, Trim Switch, Tilt Switch	CHX8352P	118-83520-P
XTREME SIDE MOUNT - BLACK		
Xtreme Side Mount, Black with Trim Switch (NO Cut Off Switch)	CHX8554P	118-85540-P
XTREME SINGLE TOP MOUNT - BLACK		
Xtreme Single Top Mount, Black, Trim Switch (NO Neutral Interlock on Handle)	CHX8641P	118-86410-P
XTREME CENTER CONSOLE (Port Mount) SIDE MOUNT - BLACK		
Xtreme Center Console Side Mount, Black with Engine Cut Off Switch, Trim Switch	CHX8851P	118-88510-P

For more information see: www.dometic.com

DOMETIC OUTDOOR

Model No. CH2300P

SKI BOAT (CH2200P)
JET BOAT (CH2300P)

Considered the best by boat builders, these controls feature superior styling, a compact design, positive lockout and smoothest feel available — and they're standard equipment on ski and jet boats. The ski boat unit includes superior neutral warm-up action, while the jet boat version features a waterproof neutral safety switch.

APPLICATION:

Dual-function control — each lever controls throttle AND shift. Ski version: inboard ski boats and other single station craft requiring super smooth, precise throttle control. Jet version: jet boats powered by Mercury® Sport Jet 90 & early 120, OMC® Turbo Jet, or similar propulsion systems. Single lever, dual action design controls both throttle and shift with one lever using 3300/33C type cables.

FEATURES:

- Single lever, dual action for throttle & shift
- Superior neutral engine warm-up control (ski version)
- Jet version - jet boats powered by Mercury sport jet & OMC turbo jet
- Flush mount design for quick, tidy installation
- Handle Finish: Textured
- Includes hardware for two 3300/33C type cables
- Crisp shifting ball grip for a solid, sure feel
- Neutral safety switches: - Optional for ski version
  Waterproof type included with jet version
- Weatherproof exterior, rugged diecast frame
- Meets/exceeds all applicable industry standards

Please note that while the CH2200P and CH2300P are similar in appearance, they have different neutral safety switches and internal mechanisms.
They are NOT interchangeable. Do not substitute CH2200P for CH2300P or vice-versa

Dometic Recommends Using
xtreme by DOMETIC
Cables With These Controls

SKI BOAT (CH2200P) JET BOAT (CH2300P)

ENGINE CONTROLS

DESCRIPTION	Mfr. No.	ORDER NO.
SKI BOAT CONTROL: Side Mount Ski Boat Control Side Mount Ski Boat Control (Electronic)	CH2200P CH2200ENCP	118-22000 118-22000-1
JET BOAT CONTROL: Side Mount Jet Boat Control	CH2300P	118-23000

OPTIONS/SERVICE ITEMS

DESCRIPTION	Mfr. No.	ORDER NO.
CH2200P SKI		
Optional Neutral Safety Switch (Ski)	CA27090P	118-27090
CH2300P JET		
Neutral Safety Switch (Jet)	CA27100P	118-27100
CH2200P or CH2300P:		
Stainless Steel Knob (red-grooved)	CA69052P	015-69052
Stainless Steel Knob (smooth)	CA69051P	015-69051
Cable Connection Kits	190008	301-90008

@ Have a Technical Question?

Contact our Technical Support Staff
email: techsupport@ccmarine.ca

DOMETIC OUTDOOR

MT-3 SINGLE LEVER (CH5310P)
MT-3 TWIN LEVER (CH5300P):

Ideal for inboards, stern drives and outboards, MT-3 combines classic binnacle control styling with dual function levers, a neutral safety switch and an engine warm-up feature! Control throttle and shift with one lever instead of two.
MT-3 Twin can control two engines using the 3300/33C cables.

APPLICATION:

Dual-function control
— each lever controls throttle AND shift. Great for single station inboards stern drives and outboards, single or dual engine. Perfect for applications in which a binnacle control appearance is desired, but one-lever throttle/shift control is preferred. Also a great choice when space is at a premium. This control uses 3300/33C type cables (single and dual lever) and 4300/43 type cables (single lever version only). Not suitable for use with Mercury® and OMC® OEM type control cables.

FEATURES:

- Binnacle styling with the advanced features of a dual-function control: one-handle engine control, neutral warm-up.
- Neutral safety switch to help prevent starting in gear (standard).
- Mechanical advantage - shift 2.77:1/throttle 3.57:1.
- Meets/exceeds all applicable industry standards.
- Can be used in a dual station application with the DS unit.

CH5300P

NEUTRAL WARM-UP
(pull lever out from dome)

CH5310P

Dometic Recommends Using
xtreme by DOMETIC
Cables With These Controls

MT-3 SINGLE LEVER (CH5310P) MT-3 TWIN LEVER (CH5300P)

ENGINE CONTROLS

DESCRIPTION	Mfr. No.	ORDER NO.
SINGLE LEVER: Pull Shift, Push Throttle MT-3 Single (Old No. 308601, 309075)	CH5310P	118-53100
TWIN LEVER: Pull Shift, Push Throttle MT-3 Twin (Old No. 308602, 309076)	CH5300P	118-53000

OPTIONS/SERVICE ITEMS

DESCRIPTION	Mfr. No.	ORDER NO.
Optional Neutral Safety Switch	305499	305-49900
Hand Lever	032778-002	300-32778
Chrome Side Plate, MT-3	308598-001	308-59801
Ball Knob, Red	4009912	015-40099
Stainless Steel Knob (red-grooved)	CA69052P	015-69052
Hardware Kit for MT-3 single lever	308599	308-59900
Hardware Kit for MT-3 twin lever	308727	308-72700
43 Cable Heavy Duty Connection Kit (Must be used when connecting a 4300/43CC or 4300/43BC cable to the control. 43 series cables can only be used with the single-lever model.)	308742	308-74200
Engine Connection Kits, (see Connection Kits section)		

**NOTE: 4300/43 type cables cannot to be used on MT-3 Twin, as interference will occur.*

@ Have a Technical Question?

Contact our Technical Support Staff
email: techsupport@ccmarine.ca

DOMETIC OUTDOOR

SINGLE S (CH5210P) TWIN S (CH5200P)

This classic control is great for inboards, single or dual station. The time-proven design of Twin S means years of reliable operation. Accepts universal control cables. Optional lever extension, detent kits and neutral safety switch available. Additional hardware is required for twin station use.

APPLICATION:

Single-function control — each lever controls throttle OR shift. Ideal for inboards, stern drives and outboards, the S controls are suitable for single or dual station use. These single function engine controls are available in both one or two-lever models. Both S controls use 3300/33C and 4300 type cables. Not suitable for use with Mercury® and OMC® OEM type control cables.

CH5210P

FEATURES:

- Highly polished stainless steel cover.
- Simple, rugged, compact design.
- Easily adjustable throttle friction and shift detent feel.
- Optional neutral safety switch to prevent starting in gear.
- Optional hand lever extension.
- Optional shift detent kit (if used in dual stations; use on main station only).
- Option throttle hold kit.
- Uses 4300 type cables.
- Mechanical advantage - shift 2.77:1/throttle 2.77:1.
- Meets/exceeds all applicable industry standards.

Dometic Recommends Using
xtreme by DOMETIC
Cables With These Controls

SINGLE S (CH5210P) TWIN S (CH5200P)		
ENGINE CONTROLS		
DESCRIPTION	**Mfr. No.**	**ORDER NO.**
SINGLE LEVER: Single S (Old No. 310-02001)	CH5210P	118-52100
TWIN LEVER: Twin S (Old No. 310-01001)	CH5200P	118-52000
OPTIONS/SERVICE ITEMS		
DESCRIPTION	**Mfr. No.**	**ORDER NO.**
Dual Station Transfer unit (For Long or Difficult Cable Paths)	061371	300-61371
Single S - Hardware & Bearing Kit 3300 Cables	CA67868P	015-67868
Twin S - Hardware & Bearing Kit 3300 Cables	CA67869P	015-67869
Single S - Handle Replacement	CA67866P	015-67866
Clutch Detent Kit	022328	300-22328
In-Series Dual Station Kits (2 required for twin)	039489-002	394-89002
In-Series Dual Station Kit, 40 Series (2 required for twin)	042152	300-42152
Neutral Safety Switch Kit	047307	300-47307
Lever Extension	036773	300-36773
Throttle Hold Kit (one per lever, prevents throttle creep)	306997	306-99700
Ball Knob, Red	035232-001	352-32001
Ball Knob, Black	035232-004	352-32004
Stainless Steel Throttle Knob (grooved)	CA69052P **	015-69052**
Stainless Steel Shift Knob (smooth)	CA69051P **	015-69051**
Cable Mounting Hardware Kit 3300, Twin	061001	300-61001
Connection Kits (see Connection Kits section)		
** Fits most controls with 3/8-24 threaded levers.		

For more information see: www.dometic.com

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SCHMITT™ Steering Wheels and Accessories

REPLACEMENT THROTTLE & SHIFT KNOBS

- 316 Cast Stainless Steel
- Fits Morse® Control models MT-3, MV-2, Twin S, Twin SR, and ST
- Fits SeaStar Solutions® CH5600 controls
- Fits most Twin and Single controls with 3/8-24 threads
- Red grooves for sight and touch
- Lifetime Warranty
- Meets ABYC specifications

DESCRIPTION	Mfr. No.	ORDER NO.
Throttle Knob, Red Grooves – 1-1/2" dia.	50020	856-50020
Shift Knob, Smooth – 1-1/2" dia.	50030	856-50030

Model No. 50020

Model No. 50030

For more information see: www.schmittongaromarine.com

DOMETIC OUTDOOR

SLT (CH5600P)

SINGLE FUNCTION - OPTIONS/SERVICE ITEMS

DESCRIPTION	Mfr. No.	ORDER NO.
Optional Neutral Safety Switch	CA69009P	015-69009
Cable Attachment Hardware for 3300/33C Dual Station & Replacements	CA69022P	015-69022
Ball Knob, Red	4009912 **	015-40099**
Ball Knob, Black	4009819 **	015-40098**
Stainless Steel Throttle Knob (grooved)	CA69052P**	015-69052**
Stainless Steel Shift Knob (smooth)	CA69051P**	015-69051**
Pivot Kit for CH5600P and CH4400 series controls	CA27563P	015-27563
Replacement Stainless Steel Lever (Fits SeaStar Solutions CH5600 SLT and Twin SR controls only.)	CA69060P	015-69060
Dual Station Transfer Unit 061371	061371	300-61371
Engine Connection Kits (see Connection Kits section)		
** Fits most controls with 3/8-24 threaded levers.		

TWIN SR (CH5400P)

SINGLE FUNCTION - OPTIONS/SERVICE ITEMS

DESCRIPTION	Mfr. No.	ORDER NO.
Clutch Detent Kit	036774	300-36774
In-Series Dual Station Kit, 30 Series (2 required for twin lever control)	039490-002	394-90002
In-Series Dual Station Kit, 40 Series (2 required for twin)	048501-002	485-01002
Neutral Safety Switch Kit	041117	300-41117
Ball Knob, Red	4009912 **	015-40099**
Ball Knob, Black	4009819 **	015-40098**
Stainless Steel Throttle Knob (grooved)	CA69052P**	015-69052**
Stainless Steel Shift Knob (smooth)	CA69051P**	015-69051**
Replacement Stainless Steel Lever (Fits Dometic CH5600 SLT and Twin SR controls only.)	CA69060P	015-69060
Mounting Hardware Kit, Twin	060991	300-60991
Replacement Dome Cover, Twin	047682	300-47682
Dual Station Transfer Unit	061371	300-61371
Engine Connection Kits (see Connection Kits section)		
** Fits most controls with 3/8-24 threaded levers.		

SIDE MOUNT (CH2600P) SIDE MOUNT WITH TRIM (CH2700P)

DUAL FUNCTION - OPTIONS/SERVICE ITEMS

DESCRIPTION	Mfr. No.	ORDER NO.
Optional Neutral Safety Switch	CA27090P	118-27090
Cable Connection Kits	190008	301-90008

ST (CH2400P) STB (CH2410P)

SINGLE CONTROL - OPTIONS/SERVICE ITEMS

DESCRIPTION	Mfr. No.	ORDER NO.
Hand Lever Assembly, Chrome	031046-002	310-46002
Ball Knob, Black	4009819 **	015-40098**
Stainless Steel Shift Knob (smooth)	CA69051P **	015-69051**
Throttle Cable Brake (Goes on cable)	044386	300-44386
** Fits most controls with 3/8-24 threaded levers.		

MV-3 SERIES

DUAL FUNCTION - OPTIONS/SERVICE ITEMS

DESCRIPTION	Mfr. No.	ORDER NO.
Ball Knob, Black	4009819	015-40098
Neutral Safety Switch Replacement	300928	300-92800
NOTE: Check with Engine/Drive Manufacturer for details particular to your power train.		

Dometic Recommends Using
xtreme
Cables With These Controls

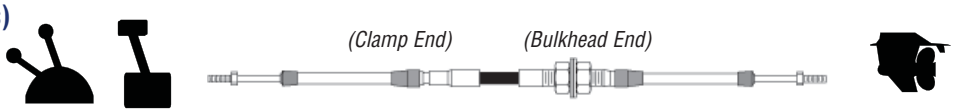
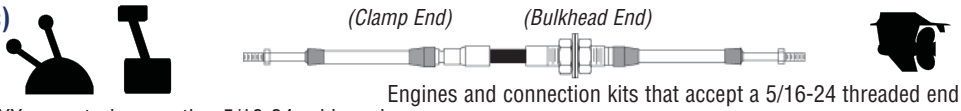
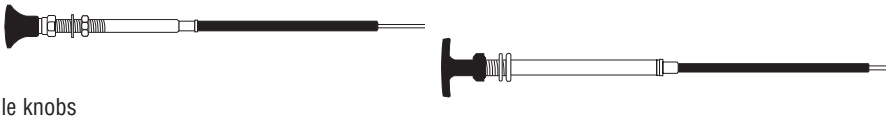
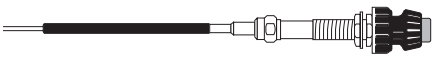
For more information see: www.dometic.com

CONTROL CABLES - OEM CROSS REFERENCE

EXISTING PART NUMBER	DESCRIPTION	PART NUMBER TO REORDER		Conduit Colour / End Metal
		Standard	Premium	
MERCURY/MARINER - STANDARD CABLE CC179XX	600A Series Control Cable Assembly			black/brass
6' - 9' specialty length cables (N/A - all markets) use premium **Xtreme** cables		N/A	CCX179XX	black/brass
10' - 24' length cables (Aftermarket)		CC179XX	CCX179XX	black/brass & stainless
10' - 24' length cables use premium **Xtreme** cables		N/A	CCX179XX	black/stainless
25' - up specialty length cables (N/A - all markets) use premium **Xtreme** cables		N/A	CCX179XX	black/stainless
CC189XX	Gen II Series Control Cable			black/brass
6' - 9' specialty length cables (N/A - all markets) use premium **Xtreme** cables		N/A	CCX189XX	black/brass
10' - 24' length cables (Aftermarket)		CC189XX	CCX189XX	black/brass & stainless
10' - 24' length cables use premium **Xtreme** cables		N/A	CCX189XX	black/stainless
25' - up specialty length cables (N/A - all markets) use premium **Xtreme** cables		N/A	CCX189XX	black/stainless
CC210XX	630 Mariner Series Control Cable			black/brass & stainless
6' - 9' specialty length cables (N/A - all markets)		N/A	CCX633XX & 301074	
10' - 24' length cables (Aftermarket)		CC210XX	N/A	black/brass & stainless
25' - up specialty length cables (N/A - all markets)		N/A	CCX633XX & 301074	
MERCURY/MARINER - PREMIUM CABLE CC630XX (N/A) Use CCX630XX	3600 Control Cable Assembly			black/stainless
All lengths (all markets) superceded to new part number		N/A	CCX630XX	black/stainless
CC635XX (N/A) Use CCX179XX	600A Control Cable Assembly			black/stainless
All lengths (all markets) superceded to new part number		N/A	CCX179XX	black/stainless
CC679XX (N/A) Use CCX189XX	Gen II Control Cable			black/stainless
All lengths (all markets) superceded to new part number		N/A	CCX189XX	black/stainless
BRP, OMC, EVINRUDE, JOHNSON - STANDARD CABLES CC205XX	479 Series Control Cable Assembly			black/brass
6' - 9' specialty length cables (N/A - all markets) use premium **Xtreme** cables		N/A	CCX205XX	black/brass
10' - 24' length cables (Aftermarket)		CC205XX	CCX205XX	black/brass & stainless
25' - up specialty length cables (N/A - all markets) use premium **Xtreme** cables		N/A	CCX205XX	black/stainless
CC170XX	400 Series Control Cable Assembly			black/brass
6' - 24' specialty length cables (Aftermarket)		CC170XX	N/A	black/brass
25' - up specialty length cables (N/A - all markets)		N/A	N/A	
BRP, OMC, EVINRUDE, JOHNSON - PREMIUM CABLES CC636XX (N/A) Use CCX205XX	479 Series Control Cable Assembly			black/stainless
All lengths (all markets) superceded to new part number		N/A	CCX205XX	black/stainless
CC214XX (N/A) Use CCX214XX	OMC, Volvo Penta, Side Mount Control Cable			black/brass
All lengths (North America Aftermarket) superceded to new part number		N/A	CCX214XX	black/brass & stainless
CC740XX (N/A) Use CCX740XX	OMC, Volvo Penta, Top Mount Control Cable			black/brass
All lengths (North America Aftermarket) superceded to new part number		N/A	CCX740XX	black/brass & stainless
NOTES XX = Length in feet				

CONTROL CABLES - OVERVIEW

DOMETIC OUTDOOR

CABLE TYPE	CONTROL END FITS	ENGINE END FITS
OEM DIRECT REPLACEMENT TYPE CABLES:		
Mercury®/Mariner® Gen II (2003 to date) Standard: CC189XX, Premium: CCX189XX	 Mercury® 4000 series Gen II single lever controls	Mercury®, most MerCruiser®,most Mariner® & late model Force®
Mercury®/Mariner® type 600A (1965 to date) Standard: CC179XX, Premium: CCX179XX	 Mercury®/Mariner® single lever controls	Mercury®, most MerCruiser®,most Mariner® & late model Force®
BRP®/OMC®/Johnson®/Evinrude® type 479 (1979-date) Standard: CC205XX, Premium: CCX205XX	 BRP®/OMC®/Johnson®/Evinrude® type single lever controls	BRP®/OMC® engines
BRP®/OMC®/Johnson®/Evinrude® type 400 (Pre-1979) Standard: CC170XX	 BRP®/OMC®/Johnson®/Evinrude® type twin lever controls	BRP®/OMC® engines
Mariner® type 40 HP & below (Pre-1993) Standard: CC210XX	 Mercury®/Mariner® single lever controls (1965-date)	Mariner® pre-1993 low engines (40 HP & below)
Mercury Sport Jet® (90 & early 120 HP) U.S. Marine® L-drive shift cable Standard: CC213XX	 Mercury®/Mariner® single lever controls (1965-date)	Sport Jet® 90/120 & L-Drive
Volvo® engines w/OMC® controls OMC Turbo Jet® Premium: CCX214XX (side mount)	 BRP® /OMC® Controls	Volvo® I/O, Turbo, SX; new-gen BRP®/OMC drives; TurboJet® gate cable
UNIVERSAL TYPE CABLES:		
3300/33C type (SeaStar Solutions® 3300CC, Morse® 33C/33C Supreme) Standard: CC230XX Premium: CCX633XX	 controls accepting 10-32 cable ends	Engines and connection kits that accept a10-32 threaded end May require connection kit from SeaStar Solutions or Engine Manufacturer
4300/43 type (Heavy duty applications) Premium: 4300BC (bulkhead-clamp): CCX430XX Premium: 4300CC (bulkhead-clamp): CCX433XX	 *(Clamp End)* *(Bulkhead End)* controls accepting 1/4-28 cable ends	Engines and connection kits that accept a 1/4-28 threaded end
6400/64 type (Heavy duty applications) Premium: 6400CC (bulkhead-clamp): CCX643XX	 *(Clamp End)* *(Bulkhead End)* controls accepting 5/16-24 cable ends	Engines and connection kits that accept a 5/16-24 threaded end
PANEL MOUNT TYPE CABLES:		
Utility (with knob: 018872-00-XXX.0) NLA (with T-handle: 018873-00-XXX.0) NLA USE CC343XX Has both the round and T-handle knobs		
Vernier (micro-adjustable; CC345XX + 317310 Control Head		

DOMETIC OUTDOOR

UNIVERSAL 3300/33C APPLICATIONS

Universal type cables are designed to fit aftermarket engine controls as well as OEM units from BMW®, Chrysler,® Honda®, Nissan®, Suzuki®, Volvo®, Yamaha® and others. Two versions of the 3300/33C type are available, including a XTREME model.
XTREME versions of the 3300/33C cables are offered for demanding applications in which a smooth feel at the control is essential.

Features:

- Cables can use the existing connection components.
- Stainless steel and brass fittings.
- Standard cables use stainless steel Lubri-Core™ core wire for smooth operation and long life. (8" minimum bend radius.)
- Premium 3300/33C cables have a heavy jacket and the XTREME splined, coated core element for maximum smoothness with minimal lost motion. (4" min. bend radius.)
- Black HDPE outer casing for durability and best resistance to UV and chemicals.

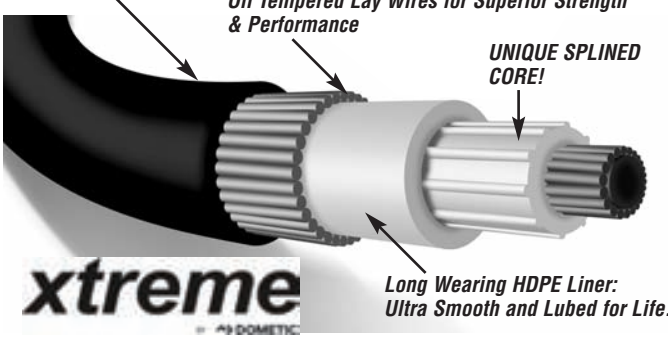
3300/33C TYPES (10-32 ENDS)	
XTREME 33C Cable (Premium)	CCX633 XX
Stainless Fittings	
3300 Cable (Standard)	CC230 XX
Stainless Fittings	

Length	CC230* Standard Series ORDER NO.	CCX633 Xtreme Series ORDER NO.
4 ft.		017-63304-X
5 ft.		017-63305-X
6 ft.		017-63306-X
7 ft.		017-63307-X
8 ft.		017-63308-X
9 ft.		017-63309-X
10 ft.	017-23010	017-63310-X
11 ft.	017-23011	017-63311-X
12 ft.	017-23012	017-63312-X
13 ft.	017-23013	017-63313-X
14 ft.	017-23014	017-63314-X
15 ft.	017-23015	017-63315-X
16 ft.	017-23016	017-63316-X
17 ft.	017-23017	017-63317-X
18 ft.	017-23018	017-63318-X
19 ft.	017-23019	017-63319-X
20 ft.	017-23020	017-63320-X
21 ft.		017-63321-X
22 ft.	017-23022	017-63322-X

Length	CC230* Standard Series ORDER NO.	CCX633 Xtreme Series ORDER NO.
23 ft.		017-63323-X
24 ft.	017-23024	017-63324-X
25 ft.		017-63325-X
26 ft.		017-63326-X
27 ft.		017-63327-X
28 ft.		017-63328-X
29 ft.		017-63329-X
30 ft.		017-63330-X
32 ft.		017-63332-X
34 ft.		017-63334-X
36 ft.		017-63336-X
38 ft.		017-63338-X
40 ft.		017-63340-X
42 ft.		017-63342-X
44 ft.		017-63344-X
46 ft.		017-63346-X
48 ft.		017-63348-X
50 ft.		017-63350-X

*NOTE: * CC230 Standard Series replaces CC172 Standard Series*

THE CORE DIFFERENCE:
.34" Super Tough HDPE jacket for Ultimate Protection against the Elements



Control End ***Engine End***

Cable has a 10-32 threaded terminal & a clamp-type fitting at each end. 3" nominal travel.

CCX633

Cable has a 10-32 threaded terminal & a clamp-type fitting at each end. 3" nominal travel.

CC230

For more information see: www.dometic.com

DOMETIC OUTDOOR

OEM CABLE APPLICATIONS

MERCURY/MARINER/FORCE/U.S. MARINE

OEM direct-replacement type cables are designed to fit BRP® Mercury®, Mariner®, OMC®, Volvo® and similar OEM engine control heads which use a proprietary control cable connection. Xtreme versions of the most popular cables are offered for demanding applications in which a smooth feel at the control is essential.

For These Controls:
Mercury®, MerCruiser®, Mariner®, Force®, OMC®, Evinrude®, Johnson®, Volvo®, SeaStar Solutions Osprey Series CH1700, CH7500, CH7600, and CH7800 and SL-3 SERIES.

Features:
- Drop-in replacement cables are engineered as replacements for original equipment cables.
- Cables use the existing connection components.
- Stainless steel and brass fittings.
- Standard cables use stainless steel Lubri-Core™ core wire for smooth operation and long life. (8" minimum bend radius.)
- Premium cables have a heavy jacket and the splined, Xtreme coated core element for maximum smoothness with minimal lost motion. (4" min. bend radius.)
- Black HDPE outer casing for durability and best resistance to UV and chemicals.

Mercury 600A type (Standard)	**CC179 XX**
Mercury 600A type (Premium)	**CCX179 XX**

Mariner®/Mercury®/MerCruiser® (1965-date); Force® (1993-date) with Mercury controls. All Mariner engines with Mercury/Mariner controls (except pre-1993 40 HP & lower models). All 1993-date Force (US Marine) with Force/US Marine/Mercury controls. CCX179XX is a Xtreme cable.

Length	CC179 STANDARD Series ORDER NO.	CCX179 XTREME Series ORDER NO.
6 ft.	Use #017-17906-X	017-17906-X
7 ft.	Use #017-17907-X	017-17907-X
8 ft.	Use #017-17908-X	017-17908-X
9 ft.	Use #017-17909-X	017-17909-X
10 ft.	017-17910	017-17910-X
11 ft.	017-17911	017-17911-X
12 ft.	017-17912	017-17912-X
13 ft.	017-17913	017-17913-X
14 ft.	017-17914	017-17914-X
15 ft.	017-17915	017-17915-X
16 ft.	017-17916	017-17916-X
17 ft.	017-17917	017-17917-X
18 ft.	017-17918	017-17918-X
19 ft.	017-17919	017-17919-X
20 ft.	017-17920	017-17920-X
22 ft.	017-17922	017-17922-X
24 ft.	017-17924	017-17924-X
26 ft.	Use #017-17926-X	017-17926-X
28 ft.	Use #017-17928-X	017-17928-X
30 ft.	Use #017-17930-X	017-17930-X
32 ft.	Use #017-17932-X	017-17932-X

Mercury Gen II type (Standard)	**CC189 XX**
Mercury Gen II type (Premium)	**CCX189 XX**

Mariner®/Mercury®/MerCruiser® and other engines using Mercury 2003-date 4000 series controls. CCX189XX is a Xtreme cable.

Length	CC189 STANDARD Series ORDER NO.	CCX189 XTREME Series ORDER NO.
10 ft.	017-18910	017-18910-X
11 ft.	017-18911	017-18911-X
12 ft.	017-18912	017-18912-X
13 ft.	017-18913	017-18913-X
14 ft.	017-18914	017-18914-X
15 ft.	017-18915	017-18915-X
16 ft.	017-18916	017-18916-X
17 ft.	017-18917	017-18917-X
18 ft.	017-18918	017-18918-X
19 ft.	017-18919	017-18919-X
20 ft.	017-18920	017-18920-X

Mariner 630 type (Standard)	**CC210 XX**

Mariner® (Pre-1993 40 HP & less) with Mariner/Mercury controls.

Length	CC210 STANDARD Series ORDER NO.
10 ft.	017-21010
11 ft.	017-21011
12 ft.	017-21012
13 ft.	017-21013
14 ft.	017-21014
15 ft.	017-21015
16 ft.	017-21016
18 ft.	017-21018

For more information see: www.dometic.com

DOMETIC OUTDOOR

OEM CABLE APPLICATIONS (Continued)

BRP, OMC, JOHNSON, EVINRUDE, VOLVO/OMC

479 type (Standard)	**CC205 XX**
479 type (Premium)	**CCX205 XX**

1979-date BRP®/OMC®/Johnson®/Evinrude®/Gale® with BRP/OMC controls. Exceeds engine manufacturer's specifications.
CCX205XX is a Xtreme cable.

CC205/CCX205

Length	CC205 STANDARD Series ORDER NO.	CCX205 XTREME Series ORDER NO.
6 ft.	Use #017-20506-X	017-20506-X
7 ft.	Use #017-20507-X	017-20507-X
8 ft.	Use #017-20508-X	017-20508-X
9 ft.	Use #017-20509-X	017-20509-X
10 ft.	017-20510	017-20510-X
11 ft.	017-20511	017-20511-X
12 ft.	017-20512	017-20512-X
13 ft.	017-20513	017-20513-X
14 ft.	017-20514	017-20514-X
15 ft.	017-20515	017-20515-X
16 ft.	017-20516	017-20516-X

Length	CC205 STANDARD Series ORDER NO.	CCX205 XTREME Series ORDER NO.
17 ft.	017-20517	017-20517-X
18 ft.	017-20518	017-20518-X
19 ft.	017-20519	017-20519-X
20 ft.	017-20520	017-20520-X
22 ft.	017-20522	017-20522-X
24 ft.	017-20524	017-20524-X
26 ft.	Use #017-20526-X	017-20526-X
28 ft.	Use #017-20528-X	017-20528-X
30 ft.	Use #017-20530-X	017-20530-X
32 ft.	Use #017-20532-X	017-20532-X
34 ft.	Use #017-20534-X	017-20534-X

400 type (Standard)	**CC170 XX**

Pre-1979 OMC®/Johnson®/Evinrude® with BRP/OMC controls.
Exceeds engine manufacturer's specifications.

CC170

Length	CC170 STANDARD Series ORDER NO.
6 ft.	017-17006
7 ft.	017-17007
8 ft.	017-17008
9 ft.	017-17009
10 ft.	017-17010
11 ft.	017-17011
12 ft.	017-17012
13 ft.	017-17013
14 ft.	017-17014

Length	CC170 STANDARD Series ORDER NO.
15 ft.	017-17015
16 ft.	017-17016
17 ft.	017-17017
18 ft.	017-17018
19 ft.	017-17019
20 ft.	017-17020
22 ft.	017-17022
24 ft.	017-17024

Volvo/OMC cable (Premium) Volvo engines using BRP/OMC side mount controls.	**CCX214 XX**

CCX214

Length	CCX214 XTREME Series ORDER NO.
10 ft.	017-21410-X
11 ft.	017-21411-X
12 ft.	017-21412-X
13 ft.	017-21413-X
14 ft.	017-21414-X
15 ft.	017-21415-X

Length	CCX214 XTREME Series ORDER NO.
16 ft.	017-21416-X
17 ft.	017-21417-X
18 ft.	017-21418-X
19 ft.	017-21419-X
20 ft.	017-21420-X

DOMETIC OUTDOOR

JET BOAT APPLICATIONS

Just for Jets! Two families of jet boat control cables are available, for replacement of Mercury Sport Jet® and OMC Turbo Jet® throttle and reverse-gate cables. Xtreme Versions of the three most popular cables are offered for demanding applications in which a smooth feel at the control is essential.

FOR THESE CONTROLS:

Mercury SportJet®, OMC TurboJet® Dometic *CH2300, MV-3 and others
** CH2300 Control only uses 3300/33C style cable for both throttle and shift.*

FEATURES:

- Drop-in replacement cables are engineered as replacements for original equipment cables.
- Cables use the existing connection components.
- Stainless steel and brass fittings.
- Standard cables use stainless steel Lubri-Core™ core wire for smooth operation and long life. (8" minimum bend radius.)
- Midrange cables use a heavier jacket and a stainless steel Lubri-Core™. (8" minimum bend radius for Lubri-Core construction)
- Premium cables have a heavy jacket and the splined, coated core element for maximum smoothness with minimal lost motion. (4" min. bend radius.)
- 4300/43 type cables have stainless steel conduit fittings. (5" minimum bend radius.)
- Black HDPE outer casing for durability and best resistance to UV and chemicals.

CABLES FOR MOST JET BOAT THROTTLE & GATE CONTROLS

BRP/OMC TURBO JET®

THROTTLE CABLES:

For OMC Turbo Jets with OMC side mount controls that accept OMC "snap in" O.E.M. type cable. Drop-in replacement cable; uses existing connection components.
See Page 87 for Replacement Cable Order Nos.

Xtreme 479 type Cable	CCX205 XX
479 type Cable (Standard)	CC205 XX

GATE CABLES:

For OMC Turbo Jets with OMC side mount controls that accept OMC "snap in" O.E.M. type cable. Drop-in replacement cable; uses existing connection components.
See Page 87 for Replacement Cable Order Nos.

Xtreme Turbo Jet Cable	CCX214 XX

THROTTLE/GATE CABLES (10-32):

For OMC Turbo Jets with OMC binnacle mount, Dometic or other controls that accept a cable with 10-32 threaded ends. Drop-in replacement cable; uses existing connection components.
See Page 85 for Replacement Cable Order Nos.

Xtreme 3300/33C Cable	CCX633 XX

MERCURY SPORT JET®

THROTTLE CABLES:

3300/33C cables are for Mercury Sport Jets with controls that accept a cable with 10-32 threaded ends.
Drop-in replacement cable; requires connection kit **ORDER NO. 015-27319** for engine end.
See Page 85 for Replacement Cable Order Nos.

3300 Cable (Standard)	CC230 XX
Xtreme 3300/33C Cable	CCX633 XX

DOMETIC OUTDOOR

UNIVERSAL 4300/43 & 6400/64 APPLICATIONS

Universal type cables are designed to fit aftermarket engine controls as well as OEM units from BMW®, Chrysler®, Honda®, Nissan®, Suzuki®, Volvo®, Yamaha® & others.
For heavy duty applications, Dometic offers 4300/43 & 6400/64 series XTREME cables.
For These Controls: Dometic & other brands which accept "universal" type control cables.

FEATURES:

- 4300/43 type cables have stainless steel conduit fittings. (5" minimum bend radius.)
- 6400/64 type cables have stainless steel conduit fittings. (8" minimum bend radius.)
- Black HDPE outer casing for durability and best resistance to UV and chemicals.
- Cables meet/exceed all applicable industry standards.

4300/43 TYPES (1/4-28 ENDS)

Xtreme 4300 CC Cable — CCX433 XX

Control End

Engine End

CCX433 Xtreme Series	
Length	ORDER NO.
10 ft.	017-43310-X
11 ft.	017-43311-X
12 ft.	017-43312-X
13 ft.	017-43313-X
14 ft.	017-43314-X
15 ft.	017-43315-X
16 ft.	017-43316-X
17 ft.	017-43317-X
18 ft.	017-43318-X
19 ft.	017-43319-X
20 ft.	017-43320-X
21 ft.	017-43321-X
23 ft.	017-43323-X

Cable has a 1/4-28 threaded terminal and a clamp-type fitting at each end. 3" nominal travel. 5" minimum bend radius.

Xtreme 4300 CC Cable — CCX430 XX

Control End

Engine End

CCX430 Xtreme Series	
Length	ORDER NO.
10 ft.	017-43010-X
12 ft.	017-43012-X
13 ft.	017-43013-X
14 ft.	017-43014-X
15 ft.	017-43015-X
16 ft.	017-43016-X
18 ft.	017-43018-X
20 ft.	017-43020-X

Cable has one bulkhead and one clamp fitting. There is a 1/4-28 threaded terminal at each end. 3" nominal travel. 5" minimum bend radius.

6400/64 TYPES (5/16-24 ENDS)

CCX643 Xtreme Series	
Length	ORDER NO.
5 ft.	017-64305-X
6 ft.	017-64306-X
7 ft.	017-64307-X
8 ft.	017-64308-X
9 ft.	017-64309-X

CCX643 Xtreme Series	
Length	ORDER NO.
10 ft.	017-64310-X
11 ft.	017-64311-X
12 ft.	017-64312-X
13 ft.	017-64313-X
14 ft.	017-64314-X

Xtreme 6400 CC Cable — CCX643 XX

Cable has a 5/16-24 threaded terminal and a clamp-type fitting at each end. 4" nominal travel. 8" minimum bend radius.

**NOTE: 64 Series cables cannot be replaced by 63 Series cables.*

Control End

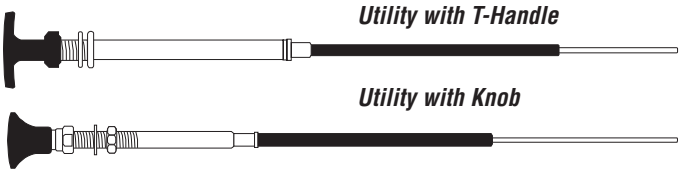
Engine End

For more information see: www.dometic.com

DOMETIC OUTDOOR

UTILITY & VERNIER APPLICATIONS

UTILITY: WITH KNOB AND T-HANDLE



CC343 Series Cable w/Knob & T-Handle		
Length	Mfr.No.	ORDER NO.
10 ft.	CC34310	017-34310
20 ft.	CC34320	017-34320

VERNIER

The Vernier Cable requires ordering 2 part numbers: A Vernier Cable Head (which includes knob, button, panel body and fine adjustment mechanism) PLUS a Cable, which attaches to the Cable Head.

Description	Mfr. No.	ORDER NO.
Vernier Cable Head Only	317310	317-31000

CC345 Series Vernier Cable		
Length	Mfr.No.	ORDER NO.
10 ft.	CC34510	017-34510
20 ft.	CC34520	017-34520

CONDUIT FITTING KITS

Use these (formerly known as Hub Adapter Kits) to mount utility cables to mount in either bulkhead or clamp type applications.

Description	Mfr. No.	ORDER NO.
Bulkhead Adapter Kit	300673	300-67300
Clamp Adapter Kit	302485	302-48500
Stop Collar	037693	300-37693

DC CONTROL

Converts standard 3300/33C cable into a utility control. Install through a panel or mount nearly anywhere with optional bracket.

Description	Mfr. No.	ORDER NO.
DC Control	301916	301-91600
Mounting Bracket, SST	048210	300-48210

Uses 3300/33C type cable.
*CCX633 is the recommended 3300/33C cable for use with the DC control

UTILITY CABLE:

An easy-to-install, easy to operate flexible push-pull cable for remote control of choke, throttle, shut off, fuel valves, vents and many other applications.

- Available with both Knob and T-handle.
- Solid stainless steel core wire resists corrosion, moves easily in HDPE liner.
- HDPE outer casing for durability and best resistance to UV and chemicals.

VERNIER CABLE:

Great for throttles or other applications where precise control is desired. Push the button for fast easy setting of approximate position, then turn the knob for micro adjustment.

- Positive, adjustable brake maintains settings regardless of vibration or governor back pressure.
- Uses standard Dometic throttle connection kits.
- HDPE outer casing for durability and best resistance to UV and chemicals.

FOR USE ON:

Remote control of choke, governor, throttle, fuel valves, vents and other applications.

CLAMP ADAPTER KIT 302485

BULKHEAD ADAPTER KIT 300673

MOUNTING BRACKET 048210

3300 CABLE

DC CONTROL 301916

For more information see: www.dometic.com

DOMETIC OUTDOOR

CONTROL CONNECTION KITS

OEM Control-Specific Connection Kits for 3300/33C cables

301074

304939

Description	Mfr. No.	ORDER NO.
Merc/Mariner Control Adapter - 3300/33C cable	301074	301-07400
OMC/J/E Control Adapter - 3300/33C cable	304939	304-93900

ENGINE CONNECTION KITS

Engine-Specific Connection Kits for 1973-1978 OMC OEM ("400" type) cables with bare wire ends

CA27247P

Description	Mfr. No.	ORDER NO.
Evinrude/Johnson O/B Kit (35HP & less)	CA27208P	015-27208
Evinrude/Johnson O/B Kit (over 35HP)	CA27247P	015-27247
OMC Stern Drive Kit (all)	CA27247P	015-27247
(NOTE: Included clip is not used on stern drives.)		

Engine-Specific Connection Kits for 3300/33C cables

CA27373P

CA27320P

Description	Mfr. No.	ORDER NO.
Evinrude/Johnson O/B Kit (1979-date)	CA27320P	015-27320
Evinrude/Johnson O/B Kit (pre-1979)	CA27321P	015-27321
Evinrude/Johnson O/B Kit	301729	301-72900*
Mercury Outboard Kit (1965-date)	CA27319P	015-27319
Mercury Stern Drive Kit (all)	CA27319P	015-27319
Mercury Inboard Kit (all)	CA27373P	015-27373
Mercury Inboard Kit (all)	302123	302-12300
OMC Stern Drive Kit (all)	CA27320P	015-27320

**Adapts 33C or 33C Supreme cables for use with Evinrude/Johnson 1978-date 55-235 HP, 1986 20 HP and up. 20, 25 and 30 HP motors may need OMC kit 397488 if motor does not already have it installed.*

Universal Ball Joint Kits

300-31126

ST Type 038491

QR Type 029104

Description	Mfr. No.	ORDER NO.
Univ. 3300/33C Ball Joint (10-32) QR (1)	031799-001	300-31799
Univ. 3300/33C Ball Joint (1/4-28) QR (1)	031126	300-31126
Univ. 3300/33C Ball Joint (5/16-24) QR (1)	035242	300-35242
Univ. 4300/43 Ball Joint (1/4-28) (1)	CA28014P	015-28014
Univ. 4300/43 Ball Joint (1/4-28) QR (1)	029104	300-29104
Univ. 4300/43 Ball Joint (5/16-24) QR (1)	032267	300-32267
Univ. 6400/64 Ball Joint (5/16-24) (1)	CA28021P	015-28021
Univ. 6400/64 Ball Joint (5/16-24) QR (1)	029108	300-29108
Univ. 6400/64 Ball Joint (5/16-24) ST (1)	038491	300-38491
(NOTE: QR type has external spring over ball receptor; ST does not.)		

For more information see: www.dometic.com

DOMETIC OUTDOOR

CABLE CONNECTION KITS

For two cables, except where otherwise noted. (1) = for use with one cable.

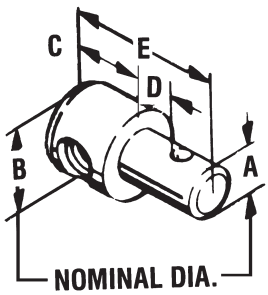
UNIVERSAL CLEVIS KITS

DESCRIPTION	Mfr. No.	ORDER NO.
Univ. 3300/33C Clevis (10-32, 3/16" pin) (1)	031800	300-31800
Univ. 3300/33C Clevis (10-32, 1/4" pin) (1)	031125	300-31125
Univ. 3300/33C Clevis (10-32, 5/16" pin) (1)	033395	300-33395
Univ. 4300/43 Clevis (1/4-28, 1/4" pin) (1)	029025	300-29025
Univ. 4300/43 Clevis (1/4-28, 5/16" pin) (1)	042212	300-42212
Univ. 4300/43 Clevis (1/4-28, 3/8" pin) (1)	045985	300-45985
Univ. 6400/64 Clevis (5/16-24, 5/16" pin) (1)	029132-001	300-29132
Univ. 6400/64 Clevis (5/16-24, 3/8" pin) (1)	042034	300-42034

OTHER UNIVERSAL CABLE CONNECTION KITS

PIVOTS - 3300/33C Series

	A	B	C	D	E	Mfr. No.	ORDER NO.
in	3/16	7/16	3/8	9/64	11/16	045583	300-45583
mm	4.8	11.1	9.5	3.6	17.5		
in	1/4	7/16	21/64	9/64	5/8	031029	300-31029
mm	6.4	11.1	8.3	3.6	15.9		
in	1/4	7/16	3/8	.191	23/32	031539	300-31539
mm	6.4	11.1	9.5	4.9	18.3		
in	1/4	7/16	21/64	.295	25/32	032392	300-32392
mm	6.4	11.1	8.3	7.5	19.8		
in	1/4	7/16	3/8	.316	15/16	039890	300-39890
mm	6.4	11.1	9.5	8.0	23.8		
in	5/16	7/16	3/8	13/32	1-1/16	037691	300-37691
mm	7.9	11.1	9.5	10.3	27.0		



PIVOTS - 4300/43C Series

	A	B	C	D	E	Mfr. No.	ORDER NO.
in	1/4	1/2	7/16	9/64	3/4	039110	300-39110
mm	6.4	12.7	11.1	3.6	19.1		
in	1/4	1/2	1/2	13/64	7/8	031537	300-31537
mm	6.4	12.7	12.7	5.2	22.2		
in	1/4	1/2	1/2	17/64	15/16	036361	300-36361
mm	6.4	12.7	12.7	6.7	23.8		
in	15/16	1/2	9/16	9/64	29/32	045199	300-45199
mm	7.9	12.7	14.3	3.6	23.0		

DOMETIC OUTDOOR

EYE TERMINAL
317413

EYE TERMINAL PIN
300965

CLAMP
032010

CLAMP & SHIM KIT
CA28018P

036174
031419

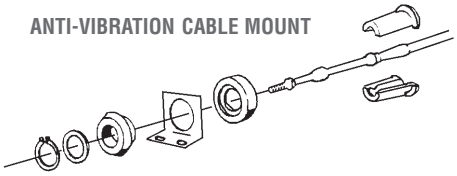
CA27024P

035531

OTHER UNIVERSAL CABLE CONNECTION KITS (Continued)

DESCRIPTION	Mfr. No.	ORDER NO.
3300/33C Series:		
Eye Terminal (Metal) – 3300 (10-32, 5/16" pin) (1)	317413	303-17413
Eye Terminal (Red Nylon) – 3300 (10-32, 5/16" pin) (1)	300646	300-64600
4300/43 Series:		
Eye Terminal – 4300/43 (1/4-28, 5/16" pin) (1)	041134	300-41134
6400/64 Series:		
Pin for Eye Terminal (1.5", 5/16" dia.) (pin only)	300965	300-96500
Terminal Pin Kit (300965, ring, nut, washer)	301456	301-45600
Univ. 3300/33C Clamp & Shim Kit (1)	CA28020P	015-28020
Univ. 3300/33C Clamp (1)	032010	300-32010
3300/33C Clamp 4 bolt holes (for bare conduit) (1)	037664	300-37664
3300/33C Clamp 2 bolt holes (for bare cond. or ftg.) (1)	031509	300-31509
3300/33C Clamp Shim for 032010 (1)	035777	300-35777
Univ. 4300/43 Clamp & Shim Kit (1)	CA28018P	015-28018
Univ. 4300/43 Clamp – 2 Holes (1)	031532	300-31532
4300/43 Clamp Shim for 031532 & 021227 (1)	031538	300-31538
(NOTE: 2 shims required for each 021227 clamp.)		
Univ. 6400/64 Clamp & Shim Kit (1)	CA28019P	015-28019
Heavy Duty 6400/64 Clamp – (1)	036733	300-36733
Univ. 3300/33C Inboard Connection Kit (2) (Above contains: (2) CA37701P Ball Joints & (2) 031419 Brackets.)	CA27024P	015-27024
Univ. 3300/33C Inboard Connection Bracket (1) (Old Morse description: "Cable Hook Clip – Single")	036174	300-36174
Univ. 3300/33C Inboard Connection Bracket (1) (Old Morse description: "Cable Clip – 30 Series Only")	031419	300-31419
Univ. 3300/33C Cable Clip DS (Old Morse description: "Cable Hook Clip – Dual")	035531	300-35531

ANTI-VIBRATION CABLE MOUNT



STOP COLLAR 037693 CABLE BRAKE 044386

OTHER CABLE KITS/ACCESSORIES

DESCRIPTION	Mfr. No.	ORDER NO.
Anti-Vibration Cable Mount – 3300/33C	294200-001	294-20001
Stop Collar 3300/33C	037693	300-37693
Cable Brake 3300/33C, 4300/43 & 6400/64 Cables	044386	300-44386
Clamp & Shim, 30 Series - 30C	031804	300-31804

For more information see: www.dometic.com

DOMETIC OUTDOOR

CABLE CONNECTION KITS

For two cables, except where otherwise noted. (1) = for use with one cable.

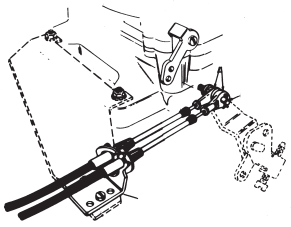
Conduit Fitting [Hub] Adapter Kits for Panel/Utility and Vernier Cables

Description	Mfr. No.	ORDER NO.
Bulkhead Adapter Kit – Panel Cables	300673	300-67300
Clamp Adapter Kit – Panel Cables	302485	302-48500

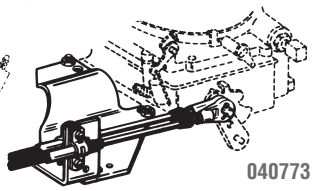
300673 302485

All-Purpose Clutch & Throttle Kits – BY PART NUMBER

Description	Mfr. No.	ORDER NO.
Connection Kit –3300/33C Cable	036680	300-36680
Connection Kit – 4300/43 Cable	040773	300-40773



036680

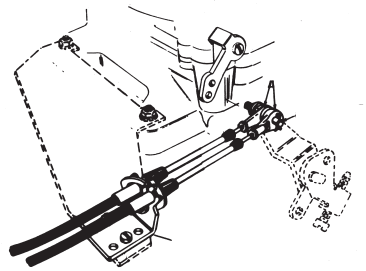


040773

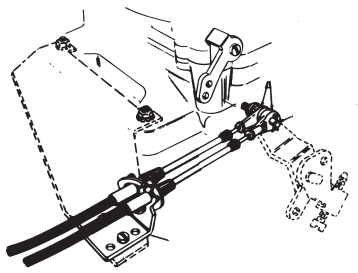
PRE-ENGINEERED CLUTCH & THROTTLE KITS - BY ENGINE APPLICATION

For Single Station 3300/33C Cables

Description	Mfr. No.	ORDER NO.
Caterpillar 334, 3304 & 3306	036680	300-36680
Caterpillar 343, 3406 & 3408	036680	300-36680
Cummins (all with MVSGOV)	036680	300-36680
GM (2, 3 & 4-53 w/left & right hand gov.)	036680	300-36680
GM (GV-53 rear & front entry)	036680	300-36680
GM (6 & 8V-71 front entry shutdown kit)	036680	300-36680
Universal (Atomic 4)	036680	300-36680
Universal (Atomic 1&2 63C clutch & 33C throttle)	036680	300-36680



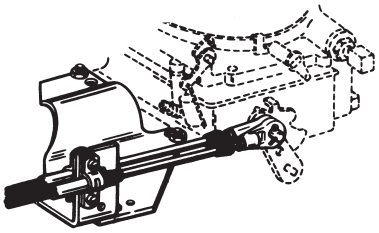
036680 300580



036680 300580

For Dual Station 4300/43C Cables

Description	Mfr. No.	ORDER NO.
Caterpillar 334, 3304 & 3306	036680	300-36680
Caterpillar 343, 3406 & 3408	036680	300-36680
Cummins (all with MVSGOV)	036680	300-36680
GM (2, 3 & 4-53 w/left & right hand gov.)	036680	300-36680
GM (GV-53 rear & front entry)	036680	300-36680
GM (6 & 8V-71 front entry shutdown kit)	036680	300-36680
Universal (Atomic 4)	036680	300-36680
Universal (Atomic 1&2 63C clutch & 33C throttle)	036680	300-36680



040773 300665

(Listing continued on next page)

DOMETIC OUTDOOR

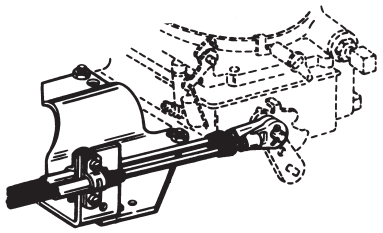
CABLE CONNECTION KITS

For two cables, except where otherwise noted. (1) = for use with one cable.

PRE-ENGINEERED CLUTCH & THROTTLE KITS - BY ENGINE APPLICATION *Continued*

To convert from 3300/33C Dual Station to 4300/43C Dual Station, add

Description	Mfr. No.	ORDER NO.
Caterpillar 334, 3304 & 3306	040773	300-40773
Caterpillar 343, 3406 & 3408	040773	300-40773
Cummins (all with MVSGOV)	040773	300-40773
Cummins (V, VT, KT, KTA 1975-up)	300665	300-66500
GM (3,4 & 6-71 w/var. spd. Gov.)	300665	300-66500
GM (6, 8 & 12 V-71, 6 & 8 V-92 w/v.s.g.)	300665	300-66500
GM (2, 3 & 4-53 w/left & right hand gov.)	040773	300-40773
GM (GV-53 rear & front entry)	040773	300-40773
GM (6 & 8V-71 front entry shutdown kit)	040773	300-40773
Universal (Atomic 4)	040773	300-40773
Universal (Atomic 1&2 63C clutch & 33C throttle)	040773	300-40773

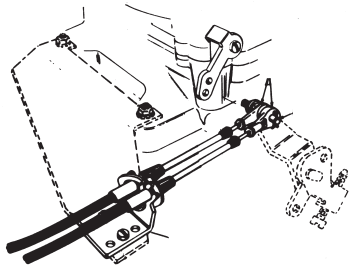


040773 300665

PRE-ENGINEERED CLUTCH & THROTTLE KITS - BY TRANSMISSION

For Dual Station 3300/33C Cables

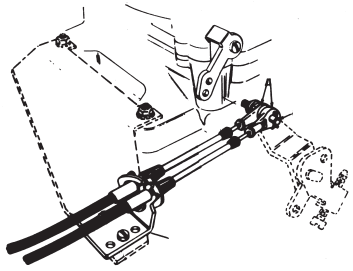
Description	Mfr. No.	ORDER NO.
Capital (12400, 2, 3 & 4 HD & HE)	036680	300-36680
Paragon (HF-7)	036680	300-36680



036680

For Dual Station 4300/43C Cables

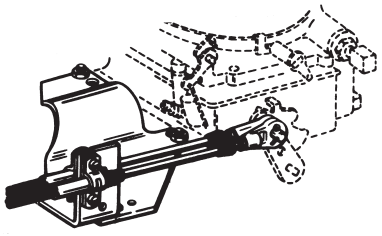
Description	Mfr. No.	ORDER NO.
Capital (12400, 2, 3 & 4 HD & HE)	036680	300-36680
Paragon (HF-7)	036680	300-36680



036680

To convert from 3300/33C Dual Station to 4300/43C Dual Station, add

Description	Mfr. No.	ORDER NO.
Borg-Warner (70, 71 & 72 inline-red gear)	300665	300-66500
Borg-Warner (71C & 72C drop center)	300665	300-66500
Capital (12400, 2, 3 & 4 HD & HE)	040773	300-40773
Paragon (HF-7)	040773	300-40773
Twin Disc (MG, 508, 509, 510, 510A, 512)	300665	300-66500
Twin Disc (514C, 514CHP, 518, 521, 527)	300665	300-66500
Twin Disc (530 & 540)	300665	300-66500
Twin Disc (MG502, 506 & 507)	300665	300-66500



040773 300665

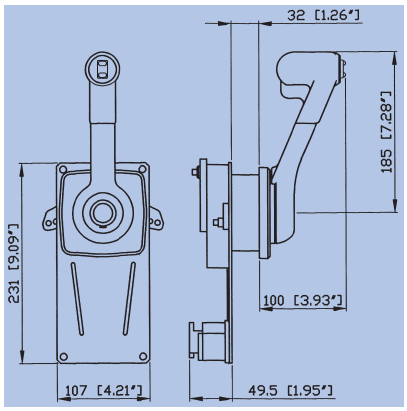
For more information see: www.dometic.com

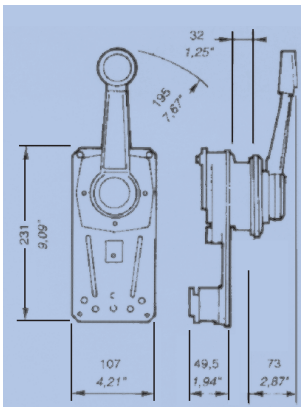
SINGLE LEVER SIDE MOUNT CONTROLS

Single lever / dual action control to operate both throttle and shift. Suitable for any type of boats with outboard, inboard or I/O power plants.

Features:

- Enables easy and safe shifting by preventing accidental gear engagement unless engine is idling
- Can be installed horizontally or vertically, on the starboard or port side of the boat
- The lever assembly is made of painted marine aluminum
- Provided with a brake tension release system adjustable from outside
- Pull-out handle disengages shift for warm-up
- Includes neutral safety switch # 351-00012 (Mfr. No. X12) which prevents in-gear starting
- All models are provided with positive lock-in neutral to prevent accidental gear engagement
- Model B184 & B184 Merc. are provided with a power trim switch conveniently located in the handle grip that enables easy tilting of the engine
- For use with all Universal 3300 Type engine control cables. Or C2, C8, CØ Ultraflex engine control cables
- For Mercury Type cable # 351-00035 (Mfr. No. K35) kit is required, except for # 762-01841 (B184 Merc.) control.
- Exceeds EN ISO 11547 Standards when X12 or X50 safety switch is installed





B183

B184

B85

B183

This control features a positive neutral lock-in position of the lever and a neutral safety switch to prevent in gear starting.
Model No. B183
ORDER NO. 762-01830

B184

This control features a positive neutral lock-in position of the lever, a neutral safety switch to prevent in gear starting, and a trim switch in the handle for engine/drive trim and tilt.
Model No. B184
ORDER NO. 762-01840

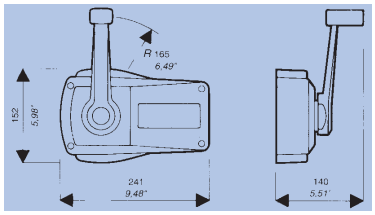
B184 MERC.

This control features a positive neutral lock-in position of the lever, a neutral safety switch to prevent in gear starting, and a trim switch in the handle for engine/drive trim and tilt. Includes # 351-00035 (Mfr.# K35) connection kit for installation of Mercury type cables & X50 (# 351-00050) neutral safety switch.
Model No. B184 Merc
ORDER NO. 762-01841

B85

Standard smooth design well suited for use on sailboats. This control features a positive neutral lock-in position of the lever and a neutral safety switch to prevent in-gear starting. To shift control an upward motion of the handle is required.
Model No. B85
ORDER NO. 762-00850

Lock in Neutral



B90

Black finish with positive lock-in neutral.
Model No. B90 **ORDER NO. 762-00900**

Features:

- Enables easy and safe shifting by preventing accidental gear engagement unless engine is idling
- Can be installed horizontally or vertically, on the starboard or port side of the boat
- Made of painted marine aluminum
- Pull-out handle disengages shift for warm-up
- Neutral safety switch # 351-00012 (Mfr. No. X12) prevents in-gear starting
- Exceeds EN ISO 11547 Standards when X12 or X50 safety switch is installed
- Provided with a positive lock-in neutral to prevent accidental gear engagement
- For use with all Universal 3300 Type engine control cables. Or Ultraflex C2, C8, CØ engine control cables.
  Note: Current OMC Type cable could be used with this control with # 351-00051 (Mfr. No. K51) connection kit for the motor end.
- For Mercury Type cable # 351-00035 (Mfr. No. K35) connection kit is required for the control.

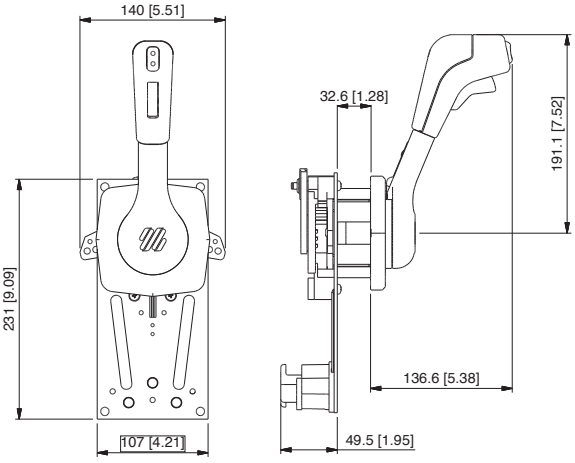
For more information see www.uflexusa.com

SINGLE LEVER SIDE MOUNT CONTROLS

The new B310 controls combine elegance, functionality and versatility. Available with chrome, burl or soft touch control levers, the B310 series can be used on outboards, sterndrive and inboard application. The universal control design allows for the connection of 33C Universal style cable and OMC (Johnson/Evinrude) cables with adapters included. Mercury Gen I cables can be easily connected with the addition of the K35 connection kit.

Features:

- Enables easy and safe shifting by preventing accidental gear engagement unless engine is idling
- Can be installed horizontally or vertically, on the starboard or port side of the boat
- Provided with a brake tension release system adjustable from outside
- Pull-out handle disengages shift for warm-up
- Includes X50 (# 351-00050) neutral safety switch which prevents in-gear starting
- Exceeds EN ISO 11547 standards when X12 safety switch is installed
- All models are provided with positive lock-in neutral to prevent accidental gear engagement
- All models are provided with a power trim switch conveniently located in the handle grip that enables an easy tilting of the engine
- For use with all Universal 3300 Type, 33C and 33C Supreme engine control cables. Or C2, C8, CØ Ultraflex engine control cables. Mercury®/current BRP® (OMC®)/Yamaha®/Sukuki® Honda®/Volvo® style cables.
- For Mercury Type cable # 351-00035 (Mfr. No. K35) kit is required, except for # 762-01841 (B14 Merc.) control.



CE

B310CH

This control features a positive neutral lock-in position of the lever and a neutral safety switch to prevent in gear starting, and a trim switch in the handle for engine/drive trim and tilt.

Model No. B310CH

ORDER NO. 762-03100-CH

CE

B310BR

This control features a positive neutral lock-in position of the lever and a neutral safety switch to prevent in gear starting, and a trim switch in the handle for engine/drive trim and tilt.

Model No. B310BR

ORDER NO. 762-03100-BR

CE

B310B

This control features a positive neutral lock-in position of the lever and a neutral safety switch to prevent in gear starting, and a trim switch in the handle for engine/drive trim and tilt.

Model No. B310B

ORDER NO. 762-03100-B

SINGLE LEVER TOP MOUNT CONTROLS

Single lever / dual action control to operate both throttle and shift. Suitable for any type of boat with outboard, inboard or I/O power plants.

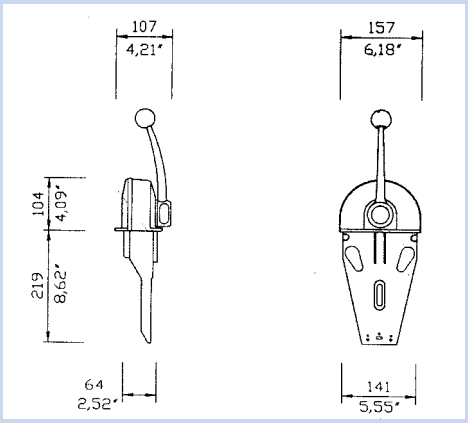
Features:

- Enables easy and safe shifting by preventing accidental gear engagement unless engine is idling.
- Made of chrome plated marine aluminum
- Pull-out handle disengages shift for warm-up
- Neutral safety switch # 351-00043 (Mfr. No. X43) (optional) prevents in-gear starting.
- Exceeds EN 1SO 11547 Standards when X43 safety switch is installed
- Built-in friction to avoid throttle creep.
- For use with Universal 3300 Type or 33C, 33C Supreme engine control cables. Or C2, C8 and MachZero Ultrafllex engine control cables.

B103

Single lever control for one engine

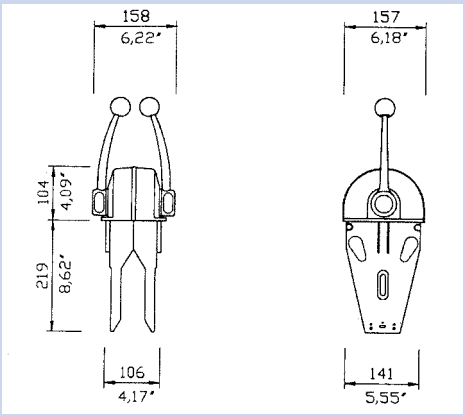
ORDER NO. 762-01030



B104

Twin lever control for two engines

ORDER NO. 762-01040



LOW PROFILE SINGLE LEVER TOP MOUNT CONTROLS

Single lever / dual action control to operate both with throttle and shift. Suitable for any type of boats with outboard, inboard or I/O power plants.

- Compact single lever controls offering a unique low profile style compared to other controls available on the market
- Enables easy and safe shifting by preventing accidental gear engagement unless engine is idling
- Made of chrome plated aluminum
- Push-in button disengages shift for warm-up
- Neutral safety switch # 351-00012 (X12) - prevents in-gear starting
- Exceeds EN ISO 11547 standards when # 351-00012 (X12) safety switch is installed
- For use with Uflex C2, C8 & MACHZero cables or Universal 3300 Type, 33C and 33C Supreme

SINGLE LEVER CONTROL FOR ONE ENGINE
Mfr. No. B301CR
ORDER NO. 762-03010

TWIN LEVER CONTROL FOR TWO ENGINES
Mfr. No. B302CR
ORDER NO. 762-03020

For more information see: www.uflexusa.com

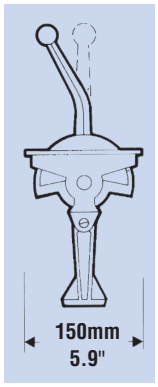
TWO LEVER TOP MOUNT CONTROLS

Two lever/single action control: each lever operates separately either throttle or shift.
Suitable for use with outboard, inboard or I/O power plants.

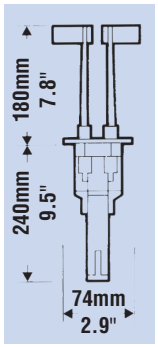
Features:

- Flush mount design makes them suitable for exposed positions such as fly bridge.
- Made of marine aluminum with chrome plated lever.
- Throttle lever is provided with adjustable brake tension release system and shift lever with forward, reverse and neutral detents. Both the brake tension release and detents can be installed and adjusted from the outside.
- Neutral safety switch # 351-00012 (Mfr. No. X12) optional, prevents in-gear starting.
- Exceeds EN 1SO 11547 Standards when X12 safety switch is installed
- Available with straight levers (B59) or bent levers (B58).
- B58 and B59 models are provided with an interlock kit to prevent accidental gear engagement.
- For use with Universal 3300 Type, 33C or 33C Supreme engine control cables or Ultraflex C2, C7, C8 and engine control cables.
- For Universal 4300 Type or Ultraflex C22 engine cable, # 351-00022 (Mfr.# K22) connection kit is required for the control.

B58
Control with Bent Levers,
Throttle and Shift, with interlock.
ORDER NO. 762-00580



B59
Control with Straight Levers,
Throttle and Shift, with interlock.
ORDER NO. 762-00590

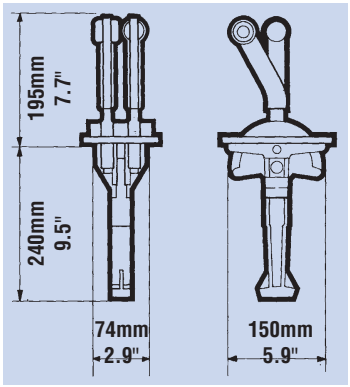


Features:

- Flush mount design makes them suitable for exposed positions such as fly bridge.
- Levers structure made of die cast zinc provided with a soft thermo plastic ergonomical handgrip.
- Adjustable brake to avoid throttle creep and positive detent for shift
- Optional adjustable ratchet for precise throttle operation use kit # 351-00052 (Mfr. No. K52).
- Neutral safety switch # 351-00012 (Mfr. No. X12) included prevents in-gear starting.
- Exceeds EN 1SO 11547 Standards when X12 safety switch is installed
- Raked throttle handle and straight gear handle for better manoeuvering.
- B204 and B208 models are provided with an interlock kit to prevent accidental gear engagement.
- For use with Universal 3300 Type, 33 or 33C Supreme engine control cables or Ultraflex C2, C7, C8 and MACHZero engine control cables.
- For Universal 4300 Type or Ultraflex C22 engine cable, # 351-00022 (Mfr. No. K22) connection kit is required for the control.

B204R
Black painted Control
with black soft hand grip,
Throttle and Shift, with interlock.
ORDER NO. 762-02040

B208R
White painted Control
with grey soft hand grip,
Throttle and Shift, with interlock.
ORDER NO. 762-02080



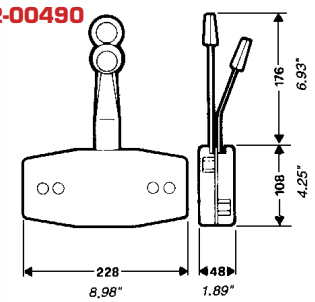
SINGLE ACTION TWO LEVER CONTROL

Suitable for all outboard engines.

Features:

- Made of nylon fiberglass with anodized aluminum levers.
- Left or right side mount installation.
- For use with engine control cables:
  - Seastar Solutions CC205 or Ultraflex C14 (OMC 1979-date) control cables with # 351-00023 (Mfr. No. K23) connection kit.
  - Seastar Solutions CC170 or Ultraflex C4 (OMC pre-1979) control cables with # 351-00024 (Mfr. No. K24) connection kit.
  - Universal 3300 Type, 33C, 33C Supreme or Ultraflex C2, C7, C8 and CØ control cables with # 351-00025 (Mfr. No. K25) connection kit.
  - Seastar Solutions CC179 or Ultraflex C5 (Merc 1965-date) without connection kit.

B49
Control. Black finish. **ORDER NO. 762-00490**



For more information see www.uflexusa.com

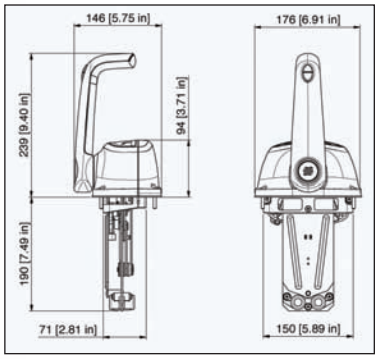
SINGLE LEVER TOP MOUNT CONTROLS

Single lever / dual action control to operate both throttle and shift. Suitable for any type of boat with outboard, inboard or I/O power plants.

Controls available WITHOUT LOCK IN NEUTRAL with TRIM only.

NOTE: Also available by (SPECIAL ORDER) controls with lock in neutral and with and without trim switches).
In the twin engine installation a single switch will operate both trims. With a focus on efficiency these controls have been specifically designed to improve the functionality of control systems, making the boat easier to control. Single lever / dual action control to operate both with throttle and shift. Suitable for any type of boats with outboard, inboard or I/O power plants.

762-05010-BT

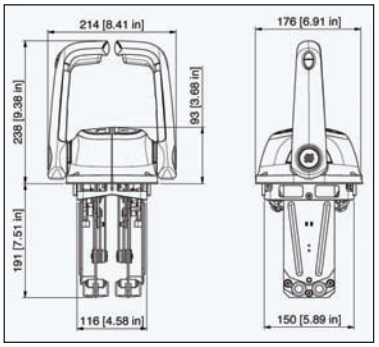


CE

Features:

- Enables easy and safe shifting by preventing accidental gear engagement unless engine is idling.
- Gloss black painted high resistance ABS housing with die cast black painted levers
- Push in button disengages shift for warm-up
- Includes X12 neutral safety switch which prevents in-gear starting
- Exceeds EN ISO 11547 standards when **X12** safety switch #351-00012 is installed
- For use with all Ultraflex control cables except C4:
  - C14 and MACH14 cables require no kit
  - C2, C8 and MACHZero cables the connection kit **K59** - 40144 C is included
  - C5, C16 and MACH5 cables require **K60** Kit - 40145 E
  - C36 and MACH36 cables require **K62** Kit - 40157 J
  - C22 cable requires **K61** Kit - 40146 G

762-05020-BT



Controls without Lock In Neutral with TRIM

B501BTL
Single engine with lock and trim
ORDER NO. 762-05010-BT
Gunmetal

B502BTL
Double engine with lock and trim
ORDER NO. 762-05020-BT
Gunmetal
(simultaneously or independently operated engines)

@ Have a Technical Question?

Contact our Technical Support Staff
email: techsupport@ccmarine.ca

POWER A MARK II™ ELECTRONIC CONTROL SYSTEM

Reliable, Digital, Ergonomically Styled Control Systems.
The easy to install Power A Mark II™ control system provides fingertip operation of throttle and shift levers.

Power A

Using reliable and precise digital data transmission, this single or dual function control system is specifically designed to work on mechanically controlled as well as electronic and electro-hydraulic gas and diesel inboards, sterndrives and outboards.
The Power A Mark II™ comes with many features including Dock Assist, which offers the operator the opportunity to reduce the sensitivity of the throttle function for easier dockside handling.
Other standard features include RPM Synchronization, which reduces engine vibration and improves fuel economy, a High Idle feature to increase RPM where higher idle is necessary for cold engine operations, a programmable Trolling Valve Control and neutral Warm Up.
The stylish and ergonomically designed control makes the Power A Mark II™ suitable for many types of applications ranging from sport boats, yachts, and commercial applications.
Available with or without trim, the control has audible and visual interfaces which alert the operator to the current status of the control system.
With the ability to control up to 2 engines from up to 4 different stations, the Power A Mark II™ is a modular and flexible system with simple to install components.
The unique programming Module Display of the PowerA Mark II™ provides simple touch pad programming with descriptive information regarding the set up, tuning and diagnostics of the system.
The Power A Mark II™ is a system that can replace mechanical controls either on fully mechanical engines, or on fully electronic engines, or on engines with the combination of both characteristics.

- Private protocol Can Bus for data transmission
- Suitable for mechanical shift and throttle as well as electronic throttle and shift
- Connection of multiple stations up to 4 controls
- Modular system
- Direct Communication with electronic engines (SAE J 1939 or NMEA 2000)
- Plug'N Play Connectivity
- Automatic engine synchronization
- Dock assist
- Fully programmable shift delays
- Personalized label (upon special request)

Technical Features:

- Single Lever/Dual Function and Dual Lever/Dual Func for shift, throttle and trolling
- Up to 4 control stations
- Control boxes IP Protection: IP66
- Power supply: min 9 max 32V
- Working temperature: -25°C to+ 75°C
- Control station functions:
  - Station Select
  - Engine Warm up
  - High idle
  - Docking
  - Engine synchronization
  - Trolling valve, on request, according to customer's specifications
- Electronic throttle outputs:
  - Voltage (double output 0 - 5V and 0 - 2, 5V)
  - PWM (0-100%, frequency from 200Hz to 1kHz)
  - Current (4 - 10mA)
- Digital Throttle Output:
  - SAE J 1939
  - NMEA 2000
- Trolling valve output
  - Voltage (0 - 5V)
  - PWM (0-100%, frequency from 100Hz to 1kHz)
  - Current (4 - 20mA)
- Electric shift control:
  - 2 or 3 ON/OFF or proportional solenoids
  - Shift delays fully settable

Single Lever

Dual Lever

Safety Devices:

- Start in-gear PROTECTION (start inhibition with shifted gear)
- Audible and visual diagnostic failure alarm (Readable messages on the control unit display)
- Proportional shift delays
- Programmable working parameters
- Meets CEI EN 60945 standards

EMC Certification and CE Mark

Conforms with:

- CEI EN60945
- UNI-EN ISO 11547

Compatibility with all Mechanical Throttle Engines
Compatibility with all Electronic Throttle Engines

- Cummins, Detroit Diesel, Scania, Iveco, FPT, Lombardini, VM Motori, FNM, Yanmar, CMD-Volkswagen, Hyundai ecc.

763-00011-T

763-00021-T

The Power A Mark II™ electronic system actuators cannot be installed in those rooms where ignition-proof devices are required.

ORDER NO.	Mfr. No.	Description
763-00011	PWA MM11	Single Engine, Single Station Control System, **without Trim**
763-00011-T	PWA MM11T	Single Engine, Single Station Control System, **with Trim & Tilt**
763-00021	PWA MM21	Twin Engine, Single Station Control System, **without Trim**
763-00021-T	PWA MM21T	Twin Engine, Single Station Control System, **with Trim & Tilt**
Kit Add-Ons		
763-10001	PWA SS1	Add-On Kit, Single Engine, Single Station, **without Trim**
763-10001-T	PWA SS1T	Add-On Kit, Single Engine, Single Station, **with Trim & Tilt**
763-10002	PWA SS2	Add-On Kit, Twin Engine, Single Station, **without Trim**
763-10002-T	PWA SS2T	Add-On Kit, Twin Engine, Single Station, **with Trim & Tilt**

NOTE
SPECIAL ORDER ITEM

For more information see www.uflexusa.com

ACCESSORIES FOR CONTROL BOXES

K22 - ORDER NO. 351-00022
Kit to connect Seastar Solutions 4300/43C Type cables to top mount two lever control boxes B58, B59, B204, B208

K23 - ORDER NO. 351-00023
Kit to connect SeaStar Solutions CC205 or Ultraflex C14 (OMC 1979-date) cable to B49 control box.

K24 - ORDER NO. 351-00024
Kit to connect SeaStar Solutions CC170 or Ultraflex C4 (OMC pre-1979) cable to B49 control box.

K25 - ORDER NO. 351-00025
Kit to connect SeaStar Solutions 3300 Type, 33C, 33C Supreme or Ultraflex C2, C8, and MACHZero cables to B49 control box.

K35 - ORDER NO. 351-00035
Kit to connect SeaStar Solutions CC179 & CC210 or Ultraflex C5 & C16 to dual function controls.
Note: These cables do not work with B103 and B104 controls.

K51 - ORDER NO. 351-00051
Kit to connect SeaStar Solutions CC205 or Ultraflex C14 cable to engine for use with B90 control.

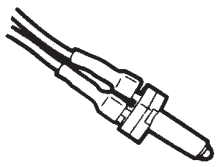
K52 - ORDER NO. 351-00052
Adjustable ratchet for B204, B208 controls.

X12 - ORDER NO. 351-00012
Neutral safety switch to prevent in-gear starting. For all Ultraflex controls except B103, B104 & B184 merc controls.

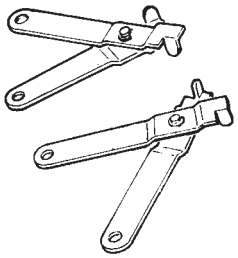
X43 - ORDER NO. 351-00043
Neutral safety switch to prevent in-gear starting, standard with B103 and B104 controls.

X50 - ORDER NO. 351-00050
Neutral safety switch to prevent in-gear starting, standard with B184.merc controls

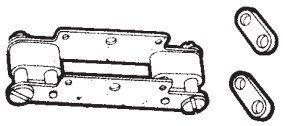
TRIM SWITCH
For All Ultraflex Controls
ORDER NO. 351-00000



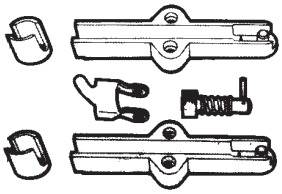
X12
ORDER NO. 351-00012



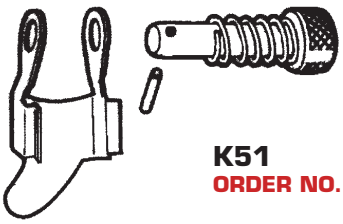
K35
ORDER NO. 351-00035



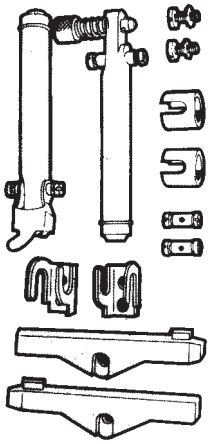
K22
ORDER NO. 351-00022

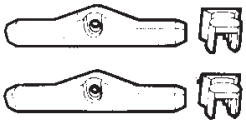


K23
ORDER NO. 351-00023



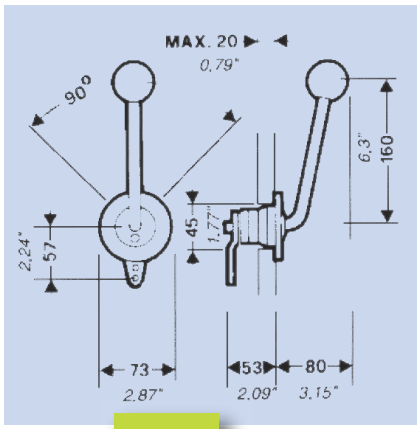
K51
ORDER NO. 351-00051





K25
ORDER NO. 351-00025

K24
ORDER NO. 351-00024



B35 CONTROL BOX

Features:

- Lever and flange all stainless steel
- Flush side mount installation.
- Particulary suitable for throttle control and hydraulic shift operation.
- Provided with adjustable brake tension release and detents.
- For use with Universal 3300 Type, 33C, 33C Supreme and CC692/CC693 (4300 Type) engine control cables.
  Or Ultraflex C2, C7, C8, MACHZero, C22 and C23BC engine control cables.

ORDER NO. 762-00350

For more information see: www.uflexusa.com

HOW TO MEASURE FOR UFLEX CONTROL CABLE INSTALLATION

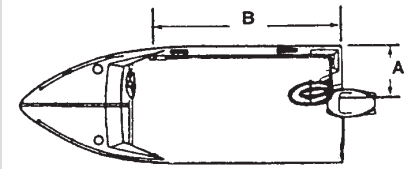
For NEW INSTALLATION

Measure A + B distance from the control along an unobstructed cable routing to clutch and / or throttle connection.
Round this dimension off to the next whole foot: you will have your cable length. We recommend that the cable bends have a minimum radius of about 8" (200 mm).
For outboard engine installations, it is necessary to add three feet to the obtained length, in order to allow the engine movement.

To determine the needed length of the REPLACEMENT CABLE, measure it from tip to tip. When ordering, specify the cable length in feet, rounding the dimension off to the next whole value.
If any kit is required to complete the cable connection, consult the appropriate section in this catalog.

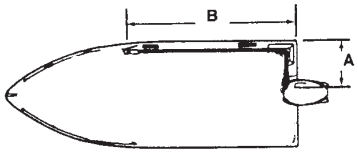
OUTBOARD

A + B + 3' (90cm) = L



INBOARD / STERNDRIVE

A + B = L



CONTROL CABLES

Uflex offers the best quality and most affordable cables in the business. Every Uflex cable has a full complement of 16 tempered lay wires, a claim not every company can make. A full complement of wires around the core allows for an overall stronger cable, smoother cable bends, a more consistent radius, hence less backlash, and longer life.

UNIVERSAL 3300 STYLE CABLES

C8 CONTROL CABLES STAINLESS STEEL FITTINGS

ORDER NO.	Length /Ft.
762-08006	6'
762-08007	7'
762-08008	8'
762-08009	9'
762-08010	10'
762-08011	11'
762-08012	12'
762-08013	13'
762-08014	14'
762-08015	15'
762-08016	16'
762-08017	17'
762-08018	18'
762-08019	19'
762-08020	20'
762-08022	22'
762-08024	24'
762-08026	26'
762-08028	28'
762-08030	30'

MACHZERO UNIVERSAL 3300 STYLE CABLES

Features and Performance

- MACHZero - Universal 3300 Style Cables
- Stroke: 3.4" (87 mm)
- Suitable for outboard, inboard, & sterndrive engines
- Ideal for high performance applications, long cable runs and complex routings
- Blue color jacket
- High efficiency for smooth operation
- High flexibility for reduced bend radius.
- Maintenance free
- Stainless steel cable end fittings
- High resistant blue outer jacket, against abrasion, UV and chemicals

ORDER NO.	Length /Ft.
762-09906	6'
762-09907	7'
762-09908	8'
762-09909	9'
762-09910	10'
762-09911	11'
762-09912	12'
762-09913	13'
762-09914	14'

ORDER NO.	Length /Ft.
762-09915	15'
762-09916	16'
762-09917	17'
762-09918	18'
762-09919	19'
762-09920	20'
762-09922	22'
762-09924	24'

C5 CONTROL CABLES

Features and Performance

- Engine control cable with 3.75" stroke (95 mm)
- Suitable for drop-in replacement for Mercury®, Mercruiser®, Mariner®
- Over 50 hp

ORDER NO.	Length /Ft.
762-05010	10'
762-05011	11'
762-05012	12'
762-05013	13'
762-05014	14'
762-05015	15'
762-05016	16'
762-05017	17'
762-05018	18'
762-05019	19'
762-05020	20'

NEW!

CDI Electronics

POWER PACK 2 CYL.
1971-1977 (50 & 55HP)Screw Terminal Power Pack, No RPM Limit
Replaces
75370, 764708, 777636, 581137, 580826, 581397, 364708, 384986
Includes Cover & Gasket

ORDER NO.113-139700
Mfr No.113-1397

POWER PACK 3/6 CYL.
1972-1978 (65,70 & 75HP - 3 Cyl.) 1976-1978 (150,175,200 & 235 HP - 6 Cyl. - 2 Req.) Cross Flow Engines, Screw Terminal Power Pack, No RPM Limit
Replaces
581925, 582057, 581713, 581726, 581334, 581493, 581551, 581552. Includes Cover & Gaskets.

ORDER NO.113-172600
Mfr No.113-1726

POWER PACK 4 CYL.
1973-1977 (85,115,135 & 140HP) Screw Terminal Power Pack, No RPM Limit
Replaces
581311, 581731, 581709, 582056, 581895. Includes Cover & Gasket

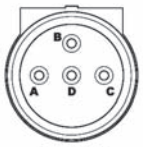
ORDER NO.113-173100
Mfr No.113-1731

POWER PACKS

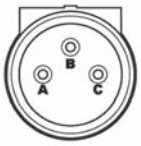
MAKING IT SIMPLE
Connector images have been added below to make it simple to identify the Power Pack you need in order to get your customer's boat back on the water.

POWER PACK 3 CYL.
1986-1990 (60, 70 & 75HP) No RPM Limit
Replaces
763796, 583125, 582115, 583143

ORDER NO.113-211500
Mfr No.113-2115



Timer Base



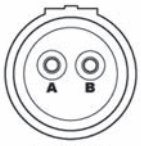
Stator

Coil

POWER PACK 4 CYL.
1978-1984 (85,90,100,115 & 140HP) 2 Req., No RPM Limit
Replaces
581805, 582125, 582454

ORDER NO.113-212500
Mfr No.113-2125

Timer Base



Stator

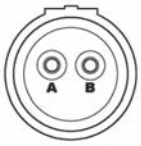
Coil

Upgrade Available

POWER PACK 3/6 CYL.
1979-1984 (70,75HP - 3 Cyl.) & (150,175,185, 200 & 235 HP - 6 Cyl. - 2 Req.) No RPM Limit
Replaces
581993, 581933, 582138, 582400

ORDER NO.113-213800
Mfr No.113-2138

Timer Base

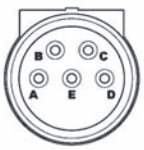


Stator

Coil

POWER PACK 2 CYL.
1985-2001 (4-60HP) Engines with a 2 Wire Timer Base, No RPM Limit
Replaces
586697, 586800, 583167, 583168, 583169, 583170, 582502, 582281, 582285, 582880, 582757, 582787, 396141

ORDER NO.113-228500
Mfr No.113-2285



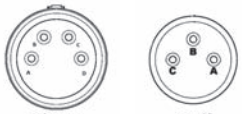
Stator

Coil

POWER PACKS

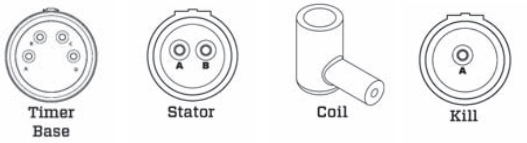
POWER PACK 2 CYL.
1977-1984 (4-60HP) No RPM Limit
Replaces
581649, 583380, 583453, 581924, 581926, 581927, 582452, 582453

ORDER NO.113-245300
Mfr No.113-2453



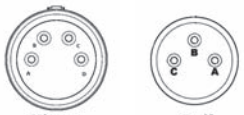
POWER PACK 6 CYL.
1985-1987 (150,155,175,185 & 235HP) 2 Req., 5800 RPM Limit
Replaces
582651, 763792

ORDER NO.113-265100
Mfr No.113-2651



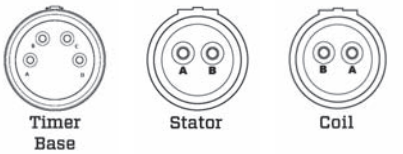
POWER PACK 2 CYL.
1983-1984 (8,25,40 & 55HP) Comm Engines, 5800 RPM Limit
Replaces
753790, 763790, 586692, 586690, 582474, 582864, 582901, 582692

ORDER NO.113-247400
Mfr No.113-2474



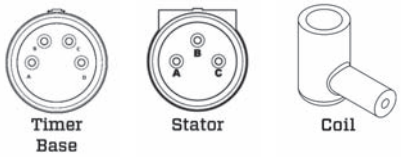
POWER PACK 4 CYL.
1984 (100HP) 2 Req., Comm, Cross Flow Engines, 5700 RPM Limit
Replaces
582684

ORDER NO.113-268400
Mfr No.113-2684



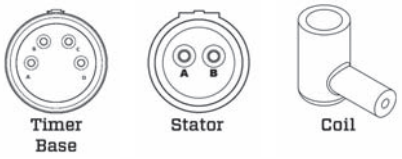
POWER PACK 3/6 CYL.
1985 (65HP - 3 Cyl. Comm Engines) 1985 (235HP - 6 Cyl. Cross Flow Engines) 5800 RPM Limit
Replaces
582510, 582537

ORDER NO.113-253700
Mfr No.113-2537



POWER PACK 4 CYL.
1985 (100HP) 2 Req., Comm, Cross Flow Engines, 5700 RPM Limit
Replaces
582704

ORDER NO.113-270400
Mfr No. 113-2704

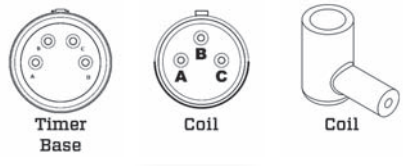


POWER PACK 3/6 CYL.
1984 (65HP - 3 Cyl.) 1984 (155 & 235HP - 6 Cyl. - 2 Req.) Cross Flow Engines, 5800 RPM Limit
Replaces
582642, 582712, 582556

ORDER NO.113-255600
Mfr No.113-2556

POWER PACK 3 CYL.
1985 (70 & 75HP) No RPM limit
Replaces
582705, 763793

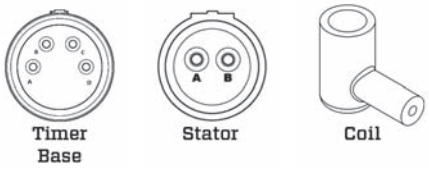
ORDER NO.113-270500
Mfr No. 113-2705



POWER PACKS

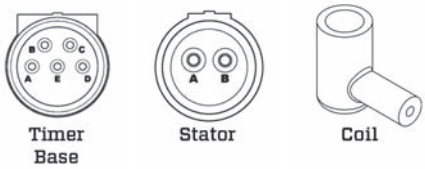
POWER PACK 4 CYL.
1985-1986 (90,110 & 115HP) 2 Req., No RPM Limit
Replaces
763794, 582811

ORDER NO.113-281100
Mfr. No. 113-2811



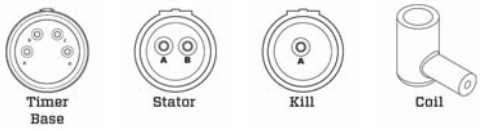
POWER PACK 4 CYL.
1986-1987 (88,90 & 110HP) 2 Req., Cross Flow Engines, No RPM Limit
Replaces
583110

ORDER NO.113-311000
Mfr No.113-3110



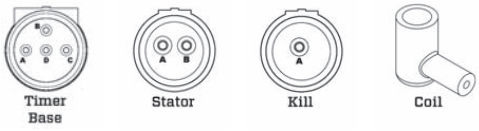
POWER PACK 6 CYL.
1985-1987 (150,155,175,185 & 235HP) 2 Req., 5800 RPM Limit
Replaces
582817

ORDER NO.113-281700
Mfr. No. 113-2817



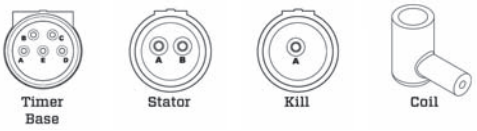
POWER PACK 6 CYL.
1986-1988 (150,155 & 175HP) 2 Req., Cross Flow Engines, No RPM Limit
Replaces
583112, 9-25007

ORDER NO.113-311200
Mfr No.113-3112



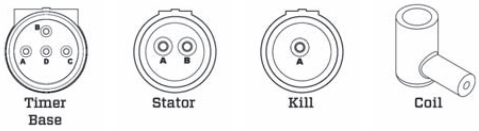
POWER PACK 4/8 CYL.
1985 (120,140HP - 4 Cyl.) (275 & 300HP - 8 Cyl. - 2 Req.) 6700 RPM Limit
Replaces
396224, 583072, 583073, 582530, 582645, 583235, 763795

ORDER NO.113-307200
Mfr. No. 113-3072



POWER PACK 6 CYL.
1986-1988 (150,155 & 175HP) 2 Req., Cross Flow Engines, 5800 RPM Limit
Replaces
583114

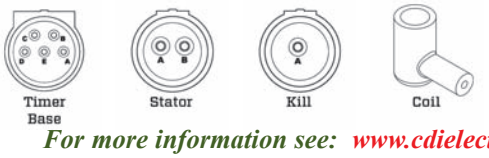
ORDER NO.113-311400
Mfr No.113-3114



Upgrade Available

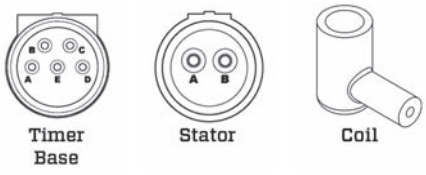
POWER PACK 4/8 CYL.
1986-1988 (88,90,100,110,120 & 140HP - 4 Cyl.) 1986-1987 (275 & 200HP - 8 Cyl. - 2 Req.) 6700 RPM Limit
Replaces
763797, 581404, 583336, 583101, 583102, 583103, 583037, 583041, 582262

ORDER NO.113-310100
Mfr. No. 113-3101



POWER PACK 4 CYL.
1986-1987 (100 HP)2 Req., Comm, Cross Flow Engines, 5700 RPM Limit
Replaces
583116

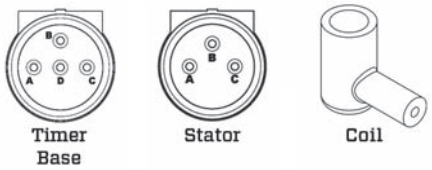
ORDER NO.113-311600
Mfr No.113-3116



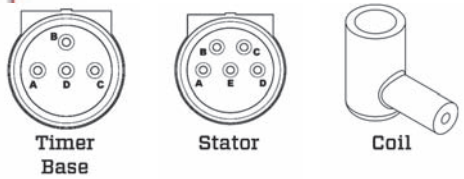
CDI Electronics

POWER PACKS

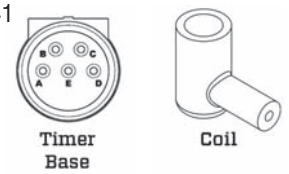
POWER PACK 3 CYL.
1986-1988 (65HP) Comm Engines, 5800 RPM Limit
Replaces
583122, 583320
ORDER NO.113-312200
Mfr No.113-3122



POWER PACK 3 CYL.
1989-1998 (60,65 & 70HP) Uses 4 Wire Timer Base w/ S.L.O.W., 6700 RPM Limit
Replaces
763801, 583786, 583748, 878949, M-878949
ORDER NO.113-374800
Mfr. No. 113-3748



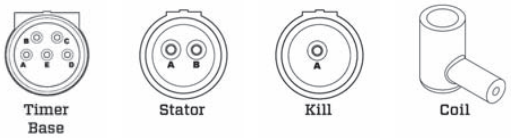
POWER PACK 2 CYL.
1985-1988, 1992-2001 (8,25,40,45 & 55HP) Engines with a 2 Wire Timer Base, 5800 RPM Limit
Replaces
763798, 584508, 584528, 583604, 583172, 583174, 583175, 583241, 582714, 582800, 582889, 582504, 582261, 586691, 586689, 586633, 586634, 586693, 586695, 586696, 584746, 396077
ORDER NO.113-324100
Mfr No. 113-3241



POWER PACK 6 CYL.
1989 -1992 (150, 155 & 175HP) Cross Flow Engines, w/ Quick Start & S.L.O.W., 5800 RPM Limit
Replaces
583865
ORDER NO.113-386500
Mfr. No. 113-3865

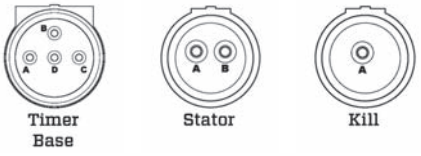
POWER PACK 6 CYL.
1986-1987 (V6 - 2 Req.) 8500 RPM Limit
Replaces
583401
ORDER NO.113-340100
Mfr. No.113-3401

POWER PACK 4 CYL.
1989-1998 (85,88,90,100,110,112 & 115HP) Cross Flow Engines, No RPM Limit
Replaces
584027, 584028, 583773
ORDER NO.113-402800
Mfr. No.113-4028

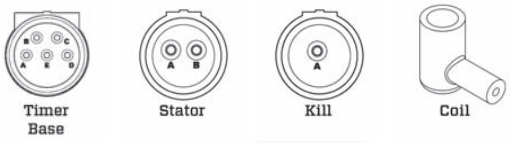


POWER PACK 6 CYL.
1986-1987 (200 & 225HP) 2 Req., 6700 RPM Limit
Replaces
583605, 583030, 763800
ORDER NO.113-360500
Mfr. No.113-3605

Upgrade Available



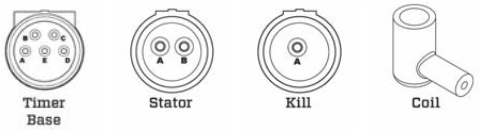
POWER PACK 4 CYL.
1989-1997 (65,80,85,88,90,100 & 115HP) Cross Flow Engines, 5800 RPM Limit
Replaces
584029, 584030, 583777
ORDER NO.113-403000
Mfr. No. 113-4030



POWER PACKS

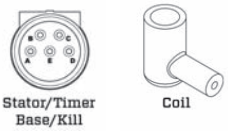
POWER PACK 4 CYL.
1996-1998 (125HP) Comm Engines, 6700 RPM Limit
Replaces
584032, 583785, 583593

ORDER NO.113-403200
Mfr. No.113-4032



POWER PACK CONVERSION KIT 2 CYL.
1988-1992 (4,5,6,6.5,8,9.9,14,15,25 & 40HP) Engines Using the Under Flywheel Ignition, No RPM Limit
Replaces
583663, 583667, 584488
Includes: 113-2285, 133-3387, 173-1670, Hardware

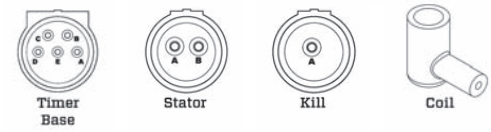
ORDER NO. 113-448800
Mfr. No.113-4488



Upgrade Available

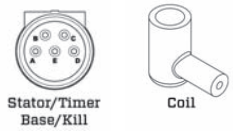
POWER PACK 8 CYL.
1988-1992 (250,275 & 300HP) Loop Charged Engines w/ Quick Start & S.L.O.W., 6700 RPM Limit
Replaces
583471, 584034, 584035

ORDER NO.113-403500
Mfr. No.113-4035



POWER PACK CONVERSION KIT 2 CYL.
1988-1995 (4,15,20,25,28,30,35,40,45,48,50 & 55HP) w/ S.L.O.W., Uses 2 Wire Timer Base, Engines using the Under Flywheel Ignition, 6100 RPM Limit
Replaces
584984, 584347, 584329, 584331, 584486, 584487, 584489, 583984, 583896, 583656, 583664, 583665 Includes: 113-4767, 133-3387, 173-1670, Hardware

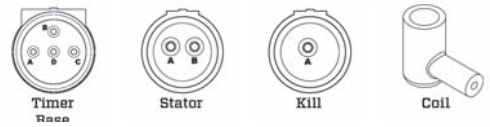
ORDER NO. 113-448900
Mfr. No.113-4489



Upgrade Available

POWER PACK 6 CYL.
1988-1992 (185, 200 & 225HP) Loop Charged Engines w/ Quick Start & S.L.O.W., 6700 RPM Limit
Replaces
583476, 584036, 584037, 586217, 586662, 586667

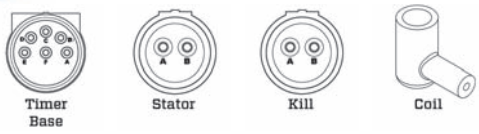
ORDER NO.113-403700
Mfr. No.113-4037



Upgrade Available

POWER PACK 8 CYL.
1993-1997 (250 & 300HP) Loop Charged Engines w/ Quick Start & S.L.O.W., 6700 RPM Limit
Replaces
763803, 584642

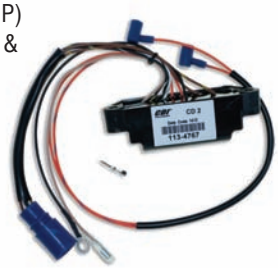
ORDER NO.113-464200
Mfr. No.113-4642



Upgrade Available

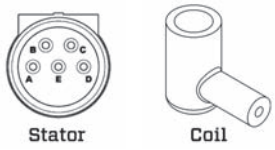
POWER PACK 4 CYL.
1988-2001 (120,125,130,135 & 140HP) Loop Charged Engines w/ Quick Start & S.L.O.W., 6700 RPM Limit
Replaces
583489, 584040, 584041

ORDER NO.113-404100
Mfr. No.113-4041



POWER PACK 2 CYL.
1993-2005 (18,20,25,28,30,35,40,48 & 50HP) Uses 2 Wire Timer Base w/ S.L.O.W., 6100 RPM Limit
Replaces
5001344, 5000014, 584767, 584768, 584908, 585074, 585260, 585224

ORDER NO.113-476700
Mfr. No.113-4767



POWER PACKS

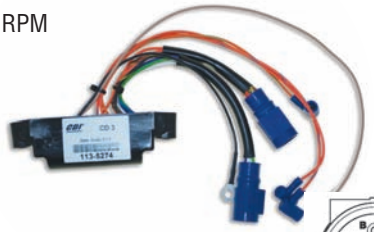
POWER PACK 2 CYL.

1993-2007 (9.9,10 & 15HP) No RPM Limit

Replaces
584783, 586798

ORDER NO.113-478300
Mfr. No.113-4783

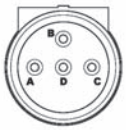
POWER PACK 3 CYL.



1996-2001 (65HP) w/ S.L.O.W., 6700 RPM Limit

Replaces
585274

ORDER NO.113-527400
Mfr. No.113-5274



POWER PACK 3 CYL.

1993-2001 (25,40,50,60,65 & 70HP - 40 Jet - Carbureted 2 Stroke) Loop Charged Engines, 5 Wire Timer Base w/ Quick Start & S.L.O.W., 6700 RPM Limit

Replaces
584808, 585145, 585189, 5004532, 5004533

ORDER NO.113-480800
Mfr. No.113-4808

POWER PACK 2 CYL.

1992-2005 (35,40 & 50HP) 2 Stroke Engines Using a 3 Wire Timer Base, w/ S.L.O.W., 6700 RPM Limit

Replaces
878834, 585261, 585262, 175316, 878334001, 878834001

ORDER NO.113-531600
Mfr. No.113-5316

POWER PACK 6 CYL.

1991-2006 (105 JET,150 & 175HP) 60 Degree Engines, Carbureted Engines, w/ Quick Start & S.L.O.W., 6100 RPM Limit

Replaces
584985, 584910, 584990, 765387

ORDER NO.113-498500
Mfr. No.113-4985

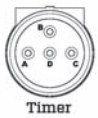
POWER PACK 6 CYL.

1993-2001 (185,200, 225, & 250HP) Loop Charged Carbureted Engines, w/ Quick Start & S.L.O.W., 6700 RPM Limit

Replaces
586212, 586661, 585114, 584636, 584637

ORDER NO.113-621200

Upgrade Available



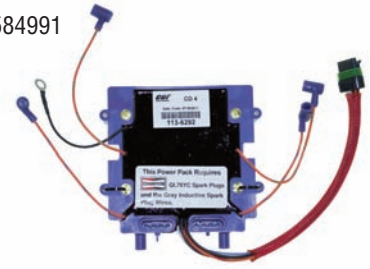
POWER PACK 6 CYL.

1993-1998 (105 JET, 150 & 175HP) 60 Degree Quiet Rider Carbureted Engines, w/ Quick Start & S.L.O.W., 6100 RPM Limit

Replaces
584912, 584986, 584988, 584989, 584991

ORDER NO.113-498600
Mfr. No.113-4986

Upgrade Available



POWER PACK KIT 4 CYL.

1995-2006 (80 Jet,90,100,105 Comm & 115HP) 60 Degree Engines, w/ Quick Start & S.L.O.W., 6400 RPM Limit

Replaces
765386, 586015, 586098, 586292

ORDER NO.113-629200
Mfr. No.113-6292

Upgrade Available

POWER PACKS & High Performance POWER PACKS

Upgrade Available

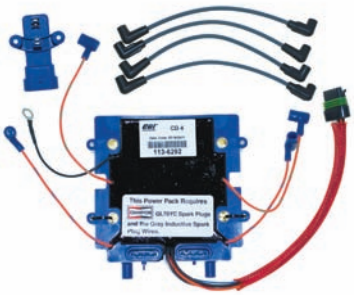
POWER PACK KIT 4 CYL.

1995-2006 (80 Jet,90,100,105 Comm & 115HP) 60 Degree Engines, w/ Quick Start & S.L.O.W., 6400 RPM Limit

Replaces

765386, 586015, 586098, 586292

Includes: 113-6292, 133-6343 & 931-4922



ORDER NO.113-629201

Mfr. No.113-6292K 1

Optical Sensor

Coil

Upgrade Available

POWER PACK KIT 6 CYL.

1991-2006 (105 JET,150 & 175HP) 60 Degree Engines, Carbureted Engines, w/ Quick Start & S.L.O.W., 6100 RPM Limit

Replaces

584122, 436367 Includes: 113-4985, 133-6343 & 931-4921

ORDER NO.113-636701

MFR. NO.113-6367K 1

Optical Sensor

Coil

BATTERY POWER PACK 3 CYL.

1968-1972 (55,60,65,85 & 100HP) W/ Points

Replaces

382579, 389549, 389550, 389551, 389551L, 397123, 398550, 398551, 777647, 9G0M, D550, D551, 6CB2004, 6CB2007, 6CB2009, 6CB2001, 583579, 580849

Includes: 113-7123 & Coil

ORDER NO.113-712300

Mfr. No.113-7123

BATTERY POWER PACK 4 CYL.

1968-1972 (100,115, & 125HP) Without Points. Requires Phase 2 Rotor

Replaces

765987, 765992, 398362, 398363, 381884, 382478, 385034, 385036, 385038, 383298, 3832989, 384522, 384522U, IDD3001, IDD3070, IDD3077, IDG3001A, IDG3001B, IDG3001C,

ORDER NO.113-836200

SHIFT ASSIST DELCO DISTR.

ESA for Delco Distributor w/ Tach. Output and Single 5 Pin Connector

Replaces

3854714, 987874, 987566, 987397, 763806

ORDER NO.123-756600

Mfr. No.123-7566

SHIFT ASSIST

Use with Prestolite BID Distributor: (GM 4.3 Liter, 6 Cyl.)

Replaces

987875, 987567, 987403, 986999, 763786

ORDER NO.123-756700

Mfr. No.123-7567

SHIFT ASSIST MODULES

HIGH PERFORMANCE IGNITION KIT 6 CYL.

1988-2001 (185,200,225HP) Loop Charged, Carbureted Engines w/ Quick Start & S.L.O.W., 6700 RPM Limit

Replaces

113-6212, 113-4037

Includes: 213-6665, 233-4586

ORDER NO.213-666501

Mfr. No.213-6665K 1

HIGH PERFORMANCE IGNITION KIT 6 CYL.

1988-2001 (185,200,225HP) Loop Charged, Carbureted Engines w/ Quick Start & S.L.O.W., 6700 RPM Limit

Replaces

113-6212, 113-4037

Includes: 213-6665K1, 173-3117

ORDER NO.213-666502

Mfr. No.213-6665K 2

SHIFT ASSIST MODULES (Continued)

SHIFT ASSIST
Use with Prestolite BID Distributor: GM 5.7L, Ford 5.0L, HO & Ford 5.8L) 8 Cyl.
Replaces
987400, 987564, 987704, 987571, 987876, 987877, 763788

ORDER NO.123-757100
Mfr. No.123-7571

SHIFT ASSIST DELCO DISTR.
ESA for Delco Distributor w/ Tach. Output and Dual Connectors
Replaces
986610, 987878, 987396

ORDER NO.123-787800
Mfr. No.123-7878

SHIFT ASSIST POINTS & ELECT. DISTR.
ESA for Points Distributor or Electronics Points Replacement Distributor
Replaces
986837, 987738, 987739, 987740, 982774, 984036, 984276, 984281, 985902, 986342, 984730, 984740, 982749, 982755, 9-24500, 9-24501

ORDER NO.123-989800
Mfr. No.123-9898-P

OMC SHIFT SWITCH ASSEMBLY
OMC Sterndrive
Replaces
984051
Includes:133-6343, 213-4985, 273-4981RS, 931-4921

ORDER NO.933-40510
Mfr. No. 933-4051

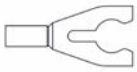
TIMER BASE REPLACEMENT COIL 2 CYL.
1971-1977 (50 & 55HP) w/Screw Terminal Power Pack
Replaces
385454, 580875, 581508, 581585, 763804
Includes: Sensor Gap Gauge

ORDER NO.133-087501
Mfr. No.133-0875K1

TIMER BASES

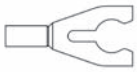
TIMER BASE 3 CYL.
1972-1978 (65,70 & 75HP) Cross Flow Engines, w/Screw Terminal Power Pack
Replaces
580970, 581251

ORDER NO.133-125100
Mfr. No.133-1251



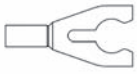
TIMER BASE 6 CYL.
1976-1978 (150,175,200 & 235HP) Cross Flow Engines
Replaces
581486

ORDER NO.133-148600
Mfr. No.133-1486



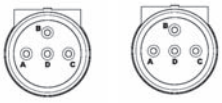
TIMER BASE 4 CYL.
1973-1977 (85,115,135 & 140HP) w/ Screw Terminal Power Pack
Replaces
581900, 581300, 763778, 385433

ORDER NO.133-190000
Mfr. No.133-1900



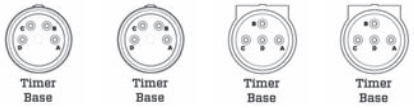
TIMER BASE 6 CYL.
1986-1987 (200 & 225HP)
Replaces
583048

ORDER NO.133-304800
Mfr. No.133-3048

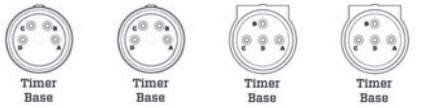


TIMER BASES

TIMER BASE 4 CYL.
1978-1987 (85,88,90,100,110,115 & 140HP) Cross Flow Engines w/ Twin Power Packs
Replaces
763783, 583376, 582041, 581812, 583127, 583128
ORDER NO.133-337600
Mfr. No.133-3376



TIMER BASE 6 CYL.
1979-1988 (150,155,175,185,200 & 235HP) Cross Flow Engines w/ Twin Power Packs
Replaces
763783, 583376, 582041, 581812, 583127, 583128
ORDER NO.133-337700
Mfr. No.133-3377

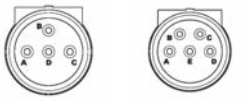


TIMER BASE 3 CYL.
1979-2001 (60,65,70 & 75HP) without Quick Start
Replaces
763777, 584562, 584269, 583378, 583131, 581949, 583060, 582724
ORDER NO.133-337800

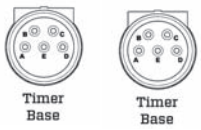
TIMER BASE 4 CYL.
1985-1998 (65,80,85,88,90,100, 112,115,120,125 & 140HP) Cross Flow Engines without Quick Start
Replaces
282514, 583289, 583379, 583045, 763776
ORDER NO.133-337900
Mfr. No.133-3379

TIMER BASE 2 CYL.
1977-2005 (4-60HP) 2 Wire Timer Base
Replaces
585072, 584716, 583387
ORDER NO.133-338700
Mfr. No.133-3387

TIMER BASE 4 CYL.
1988-2001 (120,125,130,135 & 140HP) Loop Charged Engines w/ Quick Start & S.L.O.W.
Replaces
763782, 583508
ORDER NO.133-350800
Mfr. No.133-3508

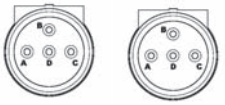


TIMER BASE 8 CYL.
1988-1998 (250, 275 & 300HP) Loop Charged Engines w/ Quick Start & S.L.O.W.
Replaces
583531

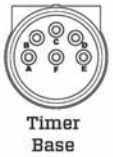


ORDER NO.133-353100
Mfr. No.133-3531

TIMER BASE 6 CYL.
1988-2001 (185,200,225 & 250HP) Loop Charged Engines w/ Quick Start & S.L.O.W.
Replaces
584586, 583533, 763775
ORDER NO.133-353300
Mfr. No.133-3533

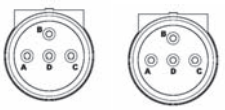


TIMER BASE 6 CYL.
1989-1991 (150HP) Cross Flow Engines, Single Power Pack without Quick Start or S.L.O.W.
Replaces
583715



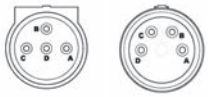
ORDER NO.133-371500
Mfr. No.133-3715

TIMER BASE 6 CYL.
1989 -1992 (150, 155 & 175HP) Cross Flow Engines, w/ Quick Start & S.L.O.W.
Replaces
763774, 584363, 583853
ORDER NO.133-385300
Mfr. No.133-3853



TIMER BASES

TIMER BASE 3 CYL.
1988-1998 (60,65 & 70HP) without Quick Start
Replaces
584558, 583395
ORDER NO.133-455800
Mfr. No. 133-4558



TIMER BASE 3 CYL.
1993-2001 (50,60,65 & 70HP) Loop Charged Engines w/ Quick Start & S.L.O.W.

Replaces
584804, 584805, 763773

ORDER NO.133-480400
Mfr. No.133-4804

TIMER BASE SENSOR 4 CYL.
1968-1972 (100,115, & 125HP) Without Points. Requires Phase 2 Rotor
Replaces
382534, 385008, 384461

ORDER NO.133-500800
Mfr. No.133-5008

TIMER BASE ROTOR 4 CYL.
1967-1968, Engines w/ Belt Driven Distributor
Replaces
510705

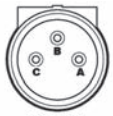
ORDER NO.133-510700
Mfr. No.133-5107

TIMER BASE 2 CYL.
1992-2005 (35,40 & 50HP) 2 Stroke Engines Using a 3 Wire Timer Base, w/ S.L.O.W.
Replaces
763808, 175386

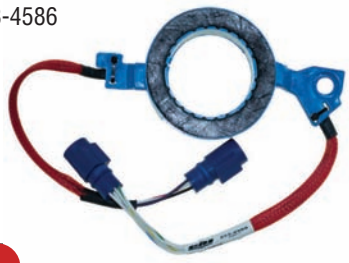
ORDER NO.133-538600
Mfr. No.133-5386

TIMER BASE OPTICAL SENSOR 4/6 CYL.
1995-2006 (80 JET,90,105,100 & 115HP - 4 Cyl.) 1991-2006 (150 & 175HP - 6 Cyl.) Carbureted 60 Degree Engines
Replaces
584914, 586343, 584265

ORDER NO.133-634300
Mfr. No.133-6343



HIGH PERFORMANCE TIMER BASE 6 CYL.
1988-2001 (185,200,225HP) Loop Charged, Carbureted Engines w/ Quick Start & S.L.O.W.
Replaces
133-3533
Only for use w/ 213-6665 & 213-6667
ORDER NO.233-458600
Mfr. No. 233-4586



RECTIFIERS

RECTIFIER
1967 (80HP) 3 Wire Replacement, Double Plug
Replaces
580656
Reg/Rec Upgrade Available!
Not for Use w/ Maint. Free Batteries

ORDER NO.153-065600
Mfr. No. 153-0656

RECTIFIER 3/4 CYL.
1968-1969 (55HP - 3 Cyl.)1968-1969 (65,85 & 115HP - 4 Cyl.) 3 Wire Replacement, w/ Plug
Replaces
580698, 580705, 580771

Reg/Rec Upgrade Available!
Not for Use w/ Maint. Free Batteries

ORDER NO.153-070500
Mfr. No. 153-0705

RECTIFIER 2 CYL.
1974-2005 (4-60HP) 4 Wire Replacement
Replaces
173692, 581778, 585035, 583940,582304
Includes: 4 Wire Replacement

Not for Use w/ Maint. Free Batteries

ORDER NO.153-177800
Mfr. No. 153-1778

RECTIFIERS

RECTIFIER 2/3/4/6 CYL.
1969-2000 (50-235 HP) 3 Wire Replacement, Engines Using a Rectifier Only

Replaces
580795, 581603, 583408, 582307, 582399, 390124

Reg/Rec Upgrade Available!
Not for Use w/ Maint. Free Batteries

ORDER NO.153-340800
Mfr. No. 153-3408

RECTIFIER 2 CYL.
1993-2001 (9.9,10 & 15HP) 4 Wire Replacement Bullet Connectors

Replaces
584597

Not for Use w/ Maint. Free Batteries

ORDER NO.153-459700
Mfr. No. 153-4597

RECTIFIER 2 CYL.
1995-2000 (15HP) 4-Stroke Engines, 3 Wire Replacement, w/ Plug

Replaces
585081

Reg/Rec Upgrade Available!
Not for Use w/ Maint. Free Batteries

ORDER NO.153-508100
Mfr. No. 153-5081

RECTIFIER 2 CYL.
1993-2000 (5,6,8,9.9,10 & 15HP) 4-Stroke Engines w/3 Wire Replacement, Bullet & Ring Connectors

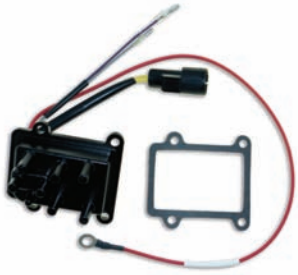
Replaces
445091, 445114

ORDER NO.153-511400
Mfr. No. 153-5114

VOLTAGE REGULATOR 10 AMP
1984 (150 & 235HP)

Replaces
582616, 582905

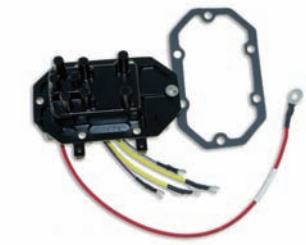
ORDER NO.193-290500
Mfr. No. 193-2905



VOLTAGE REGULATOR 6 CYL., 35 AMP
1991-1995 (150 & 175HP) 1992-1998 (105HP JET) 60 Degree Engines

Replaces
584093, 585219, 439561, 878768

ORDER NO.193-409300
Mfr. No. 193-4093



VOLTAGE REGULATOR 6/8 CYL., 35 AMP
1986-1992 (175,185,200 & 225HP - 6 Cyl.)
1985-1992 (250,275 & 300H - 8 Cyl.)

Replaces
586000, 586272, 583266, 583689, 584424, 878334

ORDER NO.193-368900
Mfr. No. 193-3689

VOLTAGE REGULATOR 4 CYL., 10 AMP
1985-2001 (120,125,130,135 & 140HP) Loop Charged Engines

Replaces
584205, 583512, 582907, 584675, 585192, 878332

ORDER NO.193-420500
Mfr. No. 193-4205

VOLTAGE REGULATOR 4/6 CYL., 10 AMP
1984-1998 (65 JET,80 JET, 85, 88, 90,100,112,115 & 140HP - 4 Cyl.) 1984-1990 (150,155,185 & 235HP - 6 Cyl.) Cross Flow Engines

Replaces
585129, 585195, 583529, 584204, 878331

ORDER NO.193-420400
Mfr. No. 193-4204

VOLTAGE REGULATOR 6/8 CYL., 35 AMP
1993-2001 (185,200,225 & 250HP - 6 Cyl. Loop Charged, Carbureted Engines) 1993-1997 (250 & 300HP- 8 Cyl.)

Replaces
584641, 586271, 585995, 878333

ORDER NO.193-464100
Mfr. No. 193-4641

REGULATORS

VOLTAGE REGULATOR
2/3/4 Cyl., 10 amp 1992-2005 (40 & 50HP- 2 Cyl. w/ Three Wire Trigger) 1992-2001 (25,40,50,60,65 & 70HP - 3 Cyl. w/ S.L.O.W) 2000-2001 (105HP - 4 Cyl. 4-Stroke, Tiller Kit 60 Degree Engines)

Replaces
584476, 585001

ORDER NO.193-447600
Mfr. No. 193-4476

VOLTAGE REGULATOR 2/3 CYL., 10 AMP
1995-1998 (9.9HP - 2 Cyl., 4 Stroke Engines) 1996-2001 (25 & 35HP - 3 Cyl., 60 Degree Engines)

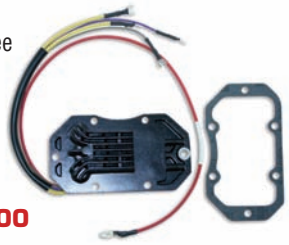
Replaces
584890

ORDER NO.193-489000
Mfr. No. 193-4890

VOLTAGE REGULATOR 4 CYL., 20 AMP
1995 (90 & 115HP) 60 Degree Engines w/ Plug

Replaces
584847

ORDER NO.193-484700
Mfr. No. 193-4847



VOLTAGE REGULATOR 4/6 CYL., 35 AMP
1984-1991 (150,155,175,185 & 235HP- 6 Cyl.) 1992 (110,115 & 140HP 4 Cyl. w/35 amp upgrade)

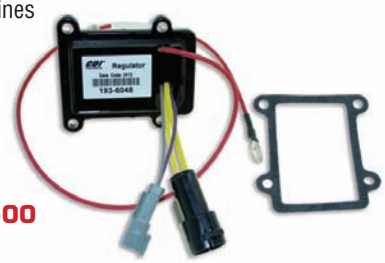
Replaces
583076, 582904, 584423, 583268, 395204, 395391, 878335

ORDER NO.193-520400
Mfr. No. 193-5204

VOLTAGE REGULATOR STARTER/GENERATOR COMBINATION UNIT
Early Johnson Evinrude Engines with Starter/Generator Combination Unit

Replaces
378335

ORDER NO.193-833500
Mfr. No. 193-8335



VOLTAGE REGULATOR
4/6 Cyl., 20/35 amp
1996-2006 (80 JET,90,100 & 115HP - 4 Cyl.) 1996-2006 (105,150 & 175HP - 6 Cyl.) 60 Degree Engines

Replaces
586048, 586075

ORDER NO.193-604800
Mfr. No. 193-6048

STATORS

STATOR COIL 2 CYL.
1973-1976 (18,20 & 25HP) Manual Start Engines, Replacement Driver Coil Only

Replaces
581130, 7638

ORDER NO.173-113000
Mfr. No. 173-1130

STATOR COIL 2 CYL.
1974-1976 (9.9,15,35 & 40HP) 1983 (40HP - Comm) Replacement Driver Coil Only

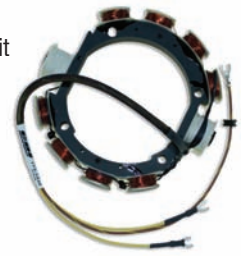
Replaces
763784, 581202

ORDER NO.173-120200
Mfr. No. 173-1202

STATOR 4 CYL., 6 AMP, PP4
1973-1977 (85,115,135 & 140HP) Screw Terminal Power Pack, No RPM Limit

Replaces
763772, 581225, 581046

ORDER NO.173-122500
Mfr. No. 173-1225



STATOR
2 Cyl., 6 amp, PP2 1971-1975 (50HP) 1976-1977 (55HP), No RPM Limit, Screw Terminal Power Pack

Replaces
775530, 580809, 581232

ORDER NO.173-123200
Mfr. No. 173-1232

STATORS

STATOR 3 CYL., 6 AMP, PP3
1972-1978 (65,70 & 75HP - 3 Cyl.) 1976-1978 (150,175,200 & 235 HP - 6 Cyl. - 2 Req.) Cross Flow Engines, Screw Terminal Power Pack

Replaces
510839, 581301, 581114, 580950, 581235, 763771

ORDER NO.173-123500
Mfr. No. 173-1235

STATOR COIL 2 CYL.
1974-1976 (9.9,15,35 & 40HP) Elec. Start Engines, Replacement Driver Coil Only

Replaces
763810, 581557

ORDER NO.173-155700
Mfr. No. 173-1557

STATOR 2 CYL., 5 AMP
1977-1999 (9.9,10,15,20,25,35,50,55 & 60HP) Contains Charge Coil, Timber Base & Battery Charge

Replaces
763770, 581651, 585087, 584755

ORDER NO.173-165100
Mfr. No. 173-1651

STATOR COIL 2 CYL.
1977-2007 (4-60HP) Replacement Charge Coil

Replaces
5000611, 581670, 584504, 584840, 585073

ORDER NO.173-167000
Mfr. No. 173-1670

STATOR 6 CYL., 10 AMP, PP3/6
1976-1978 (150,175,200 & 235HP) Cross Flow Engines, Screw Terminal Power Pack

Replaces
581505, 581867

ORDER NO.173-186700
Mfr. No. 173-1867

STATOR 4 CYL., 12 AMP, PP4
1973-1977 (85,115,135 & 140HP) Screw Terminal Power Pack, No RPM Limit

Replaces
581680, 581303, 581860, 582099

ORDER NO.173-209900
Mfr. No. 173-2099

STATOR COIL 2 CYL., 5 AMP
1977-2007 (4-60HP) Replacement Charge Coil

Replaces
582926

ORDER NO.173-292601
Mfr. No. 173-2926K 1

STATOR 6/8 CYL., 35 AMP
1986-1987 (200 & 225HP - 6 Cyl.)
1985-1987 (275 & 300HP - 8 Cyl.)

Replaces
583670, 582847, 583117

ORDER NO.173-311700
Mfr. No. 173-3117

STATOR 4 CYL., 9 AMP
1988-2001 (120,125,130,135 & 140HP) Loop Charged Engines w/ Quick Start & S.L.O.W.

Replaces
763769, 583410

ORDER NO.173-341000
Mfr. No. 173-3410

STATOR 4 CYL., 9 AMP
1988-1998 (65 JET,80 JET,85,88,90,100,112 & 115HP) Cross Flow Engines

Replaces
763767, 583536, 583340

ORDER NO.173-353600
Mfr. No. 173-3536

STATORS

STATOR 6 CYL., 9 AMP
1988 (150HP) Cross Flow Engines w/ Twin Power Packs

Replaces
583537

ORDER NO.173-353700
Mfr. No. 173-3537

STATOR 6 CYL., 35 AMP
1984-1988 (150,155,175,185, & 235HP) Cross Flow Engines without Quick Start

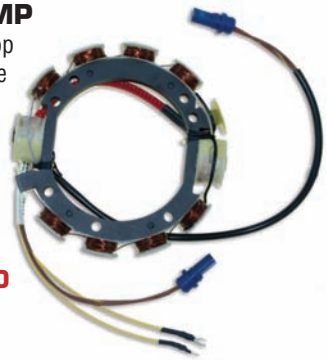
Replaces
583274, 583668, 582574, 583050, 763785

ORDER NO.173-366800
Mfr. No. 173-3668

STATOR 4 CYL., 9 AMP
1985-1987 (120 & 140HP) Loop Charged Engines Using a Single Power Pack

Replaces
763766, 583669, 583013, 583118

ORDER NO.173-366900
Mfr. No. 173-3669



STATOR 4/6 CYL., 9 AMP
1978-1987 (85,90,100,110,115 & 140HP - 4 Cyl.) 1979-1987 (150,175,185,200 & 235HP - 6 Cyl.) Cross Flow Engines

Replaces
583104, 583023, 582867, 582497, 582404, 581830, 581865, 582016, 582023, 581987, 583671, 583672, 763781

ORDER NO.173-367200
Mfr. No. 173-3672

STATOR 3 CYL., 9 AMP
1979-1990 (60,65,70 & 75HP)

Replaces
583644, 583724, 583729, 583830, 581957, 582730, 582636, 582506, 583119, 763780

ORDER NO. 173-372400
Mfr. No. 173-3724

STATOR 6 CYL., 9 AMP
1989-1991 (150HP CX/JL,TL,TX Model Engines) 1989-1990 (155HP - Comm Engines) Cross Flow Engines

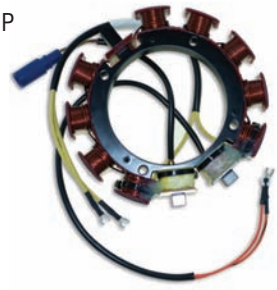
Replaces
583837

ORDER NO. 173-383700
Mfr. No. 173-3837

STATOR 6/8 CYL., 35 AMP
1988-1992 (185,200 & 225HP - 6 Cyl.) 1988-1994 (250, 275 & 300HP - 8 Cyl.) Loop Charged Engines w/ Quick Start & S.L.O.W.

Replaces
763765, 584287, 583415

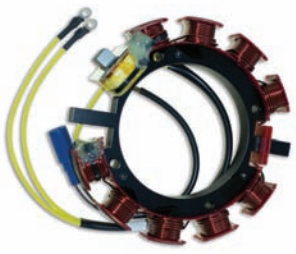
ORDER NO. 173-428700
Mfr. No. 173-4287



STATOR 4 CYL., 35 AMP
1988-1999 (120,130 & 140HP) Loop Charged Engines w/ 35 amp Upgrade Kit

Replaces
583561, 584288

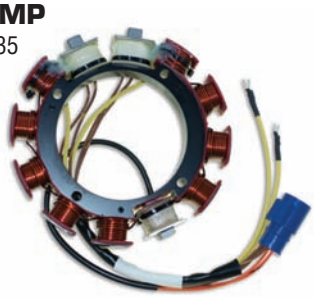
ORDER NO. 173-428800
Mfr. No. 173-4288



STATOR 4/6 CYL., 35 AMP
1985-1987 (120,140 & 150HP) w/ 35 amp Upgrade Kit

Replaces
584291, 582654

ORDER NO. 173-429100
Mfr. No. 173-4291



STATOR 6 CYL., 35 AMP
1989 -1992 (150, 155 & 175HP) Cross Flow Engines, w/ Quick Start & S.L.O.W.

Replaces
584292, 583710, 763764

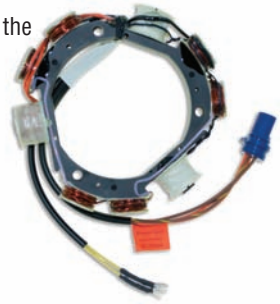
ORDER NO. 173-429200
Mfr. No. 173-4292

STATORS

STATOR COIL 2 CYL.
1988-1992 (35HP) Engines using the Under Flywheel Ignition

Replaces
584333, 583485

ORDER NO. 173-433300
Mfr. No. 173-4333



STATOR 2/3 CYL., 12 AMP
1992-2005 (35 JET,40 &50HP - 2 Cyl. w/ S.L.O.W.) 1992-2001 (50,60,65 & 70HP 3 Cyl. w/ Quick-Start & S.L.O.W.)

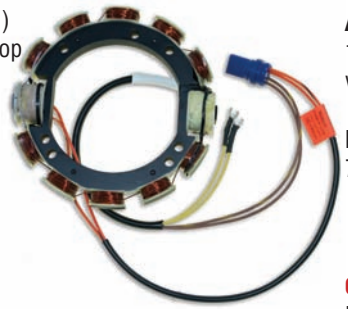
Replaces
584560, 763763

ORDER NO. 173-456000
Mfr. No. 173-4560

STATOR 6/8 CYL., 35 AMP
1993-2001 (185,200 & 225HP - 6 Cyl.) 1995-2001 (250 & 300HP - 8 Cyl.) Loop Charged Engines Charged Engines w/ Quick Start & S.L.O.W.

Replaces
584643, 763779

ORDER NO. 173-464300
Mfr. No. 173-4643



STATOR 3 CYL., 9 AMP
1989-1998 (60, 65 & 70HP) w/ S.L.O.W.

Replaces
763762, 584766, 583779, 584236

ORDER NO. 173-476600
Mfr. No. 173-4766

STATOR 2 & 3 CYL., 12 AMP
1995-1997 (9.9HP - 2 Cyl., 4-Stroke) 1996- 2001 (25 & 35HP - 3 Cyl., 60 Degree)

Replaces
584548, 584821, 763761

ORDER NO. 173-482100
Mfr. No. 173-4821

STATOR 4 CYL., 20 AMP
1995-2006 (80 Jet,90,100,105 Comm & 115HP) 60 Degree Engines, w/ Quick Start & S.L.O.W.

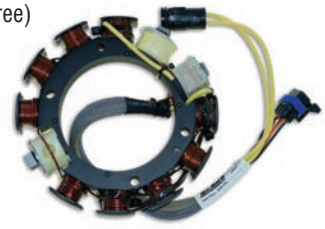
Replaces
763760, 584849

ORDER NO. 173-484900
Mfr. No. 173-4849

STATOR 2/3 CYL., 6 AMP
1995-2000 (15HP - 2 Cyl., 4-Stroke) 1996-2001 (25 & 35HP - 3 Cyl., 60 Degree)

Replaces
584940, 584954

ORDER NO. 173-495400
Mfr. No. 173-4954



STATOR 6 CYL., 35 AMP
1991-2006 (105 JET,150 & 175HP) 60 Degree Engines

Replaces
763759, 584981, 584109

ORDER NO. 173-498100
Mfr. No. 173-4981

IGNITION COILS

IGNITION COIL 2 CYL.
1971-1977 (50 & 55HP) Screw Terminal Power Pack

Replaces
502888, 582091, 802363
Includes: Plug Wire

ORDER NO. 183-209100
Mfr. No. 183-2091

IGNITION COIL 3/6 CYL.
1972-1978 (65,70 & 75HP - 3 Cyl.) 1976-1978 (150-235 HP - 6 Cyl.) Cross Flow Engines, Screw Terminal Power Pack

Replaces
502886, 582303, 582303-K, 581826
Includes Plug Wire and Hardware

ORDER NO. 183-230300
Mfr. No. 183-2303

IGNITION COILS (Continued)

IGNITION COIL 2/3/4/6 CYL.

1977-1984 (4-60HP - 2 Cyl.) 1979- 1984 (65-75HP - 3 Cyl.)
1978-1984 (85-140HP - 4 Cyl.) 1979-1984 (150- 235 - 6 Cyl.)
Cross Flow Engines
Replaces
581686, 584561, 582106, 581997, 581998, 581862, 582366, 582330
Includes: Plug Wire

ORDER NO. 183-236600
Mfr. No. 183-2366

IGNITION COIL 3/4 CYL.

1968-1972 (55,60,85,100,115 & 125HP)
Replaces
580847, 580730, 580740, 580688, 502882, 502884, 582382, 802365
Includes: Plug Wire

ORDER NO. 183-238200
Mfr. No. 183-2382

IGNITION COIL 2 TOWER,

1/2/3/4/6/8 Cyl.
1996-1999 (3.3HP - 1 Cyl.)
1985-2005 (4-60HP - 2 Cyl.)
1985-2001 (25-75HP - 3 Cyl.)
1985-2001 (65-140HP - 4 Cyl.)
1985-2001 (150-250HP - 6 Cyl.)
1985- 1997 (250-300HP - 8 Cyl.)
Replaces 582508 Includes: Plug Wire

ORDER NO. 183-250800
Mfr. No. 183-2508

UNIVERSAL REPLACEMENT IGNITION COIL

1972-2006, Universal Replacement Kit, Carbureted 2 Stroke Engines, 1 per Cyl.
Replaces 502688, 583737
Includes: Plug Wire, Terminals and Hardware

ORDER NO. 183-373700
Mfr. No. 183-3737

IGNITION COIL 2/4/6 CYL.,

Dual Coil, 2 Stroke
1985-2006 (2.5-55HP - 2 Cyl.) 1995 (50HP - 3 Cyl.)
1995-2006 (80-115HP - 4 Cyl.) 1991-2006 (105-175HP - 6 Cyl
Replaces
583740, 583298, 879614

ORDER NO.183-374000
Mfr. No. 183-3740

IGNITION COIL 4 CYL.

1973-1977 (85,115,135 & 140HP) Screw Terminal Power Pack

Replaces
582160, 584632, 580821, 502890, 802373
Includes: Plug Wire and Hardware

ORDER NO.183-463200
Mfr. No. 183-4632

IGNITION COIL 1/2 CYL.

1968-1985 (1.2-2HP - 1 Cyl.) 1968- 1988 (3-40HP - 2 Cyl.) Magneto Ignition, Engines w/ Points and Condenser
Replaces
GLM72100, 580971, 580197, 580416, 582931, 582995, 582370, 584477, 802371A 1

ORDER NO.183-447700
Mfr. No. 183-4477

HARNESSES

WIRING HARNESS 2 CYL.

1996-2005 (20,25,28 & 30HP) Deutsch Plug

Replaces
586026, 5000016

ORDER NO.413-001600
Mfr. No. 413-0016

WIRING HARNESS 3 CYL.

1979-1984 (65,70 & 75HP)
Cross Flow Engines, Round Plug

Replaces
391377, 389254, 394508, 395186

ORDER NO.413-137700
Mfr. No. 413-1377

HARNESSES

WIRING HARNESS 8 CYL.
1985 (275 & 300HP)

Replaces
391483

ORDER NO.413-148300
Mfr. No. 413-1483

WIRING HARNESS 4 CYL.
1967 (80HP) Speedifour Engines

Replaces
381654, 581654

ORDER NO.413-165400
Mfr. No. No. 413-1654

WIRING HARNESS 4 CYL.
1977 (85,115 & 140HP) Cross Flow Engines, Round Plug

Replaces
581721

ORDER NO.413-172100
Mfr. No. 413-1721

WIRING HARNESS 2 CYL.
1974-1977 (50 & 55HP) Cross Flow Engines, Round Plug

Replaces
581742, 386422

ORDER NO.413-174200
Mfr. No. 413-1742

WIRING HARNESS 2 CYL.
1982-1984 (20,25,30 & 35HP) Cross Flow Engines, Round Plug

Replaces
391818

ORDER NO.413-181800
Mfr. No. 413-1818

WIRING HARNESS 3 CYL.
1974-1977 (70 & 75HP) Cross Flow Engines, Round Plug

Replaces
581745, 581886, 581523, 386333

ORDER NO.413-188600
Mfr. No. 413-1886

WIRING HARNESS 4 CYL.
1978 (85,115 & 140HP) Cross Flow Engines, Round Plug

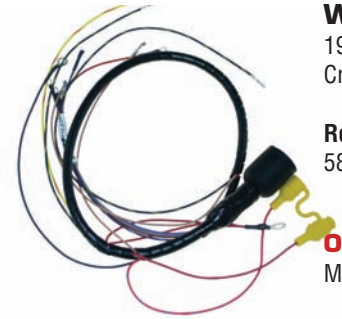
Replaces
581975

ORDER NO.413-197500
Mfr. No. 413-1975

WIRING HARNESS 4 CYL.
1979 - 1980 (85,100, 115 & 140HP) Cross Flow Engines, Round Plug

Replaces
582053

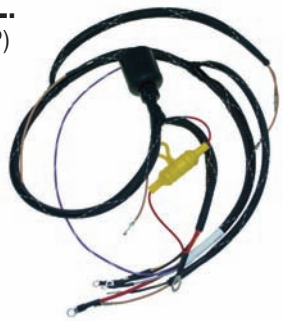
ORDER NO.413-205300
Mfr. No. 413-2053



WIRING HARNESS 4 CYL.
1980-1982 (85,90,100,115 & 140HP) Cross Flow Engines, Round Plug

Replaces
582161

ORDER NO.413-216100
Mfr. No. 413-2161



WIRING HARNESS 6 CYL.
1979-1984 (150,175,185,200 & 235HP) Cross Flow Engines, Round Plug

Replaces
389452, 582866

ORDER NO.413-286600
Mfr. No. 413-2866

HARNESSES

WIRING HARNESS 6 CYL.
1986-1987 (150,155 & 175HP) Cross Flow Engines, Round Plug

Replaces
583035

ORDER NO.413-303500
Mfr. No. 413-3035

WIRING HARNESS 4 CYL.
1986-1987 (90,100 & 110HP) Cross Flow Engines, Round Plug

Replaces
583036

ORDER NO.413-303600
Mfr. No. 413-3036

WIRING HARNESS 6 CYL.
1986-1987 (200 & 225HP) Loop Charged Engines, Twin Power Packs, Round Plug

Replaces
583047

ORDER NO.413-304700
Mfr. No. 413-3047

WIRING HARNESS 4 CYL.
1986-1987 (120 & 140HP) Loop Charged Engines, Round Plug

Replaces
583145

ORDER NO.413-314500
Mfr. No. 413-3145

WIRING HARNESS 2 CYL.
1986-1987 (35,40, 48 & 50HP) Round Plug

Replaces
583211

ORDER NO. 413-321100
Mfr. No. 413-3211

WIRING HARNESS 6 CYL.
1988-1990 (185,200 & 225HP) Loop Charged Engines w/ Quick Start & S.L.O.W., Round Plug

Replaces
583282

ORDER NO. 413-328200
Mfr. No. 413-3282

WIRING HARNESS 4 CYL.
1989-1993 (120,125 & 140HP) Loop Charged Engines w/ Quick Start & S.L.O.W., Round Plug

Replaces
583284

ORDER NO. 413-328400
Mfr. No. 413-3284

WIRING HARNESS 6 CYL.
1989-1991 (150-175HP) Cross Flow Engines, Single Power Pack, w/o Quick Start or S.L.O.W. Round Plug

Replaces
583295, 584016,583709

ORDER NO. 413-329500
Mfr. No. 413-3295

WIRING HARNESS 2 CYL.
1969-1970 (40HP) Cross Flow Engines - Big Twin Engines, Round Plug

Replaces
853325, 383325

ORDER NO. 413-332500
Mfr. No. 413-3325

WIRING HARNESS 2 CYL.
1969-1970 (40HP) Cross Flow Engines - Lark Engines, Round Plug

Replaces
383326

ORDER NO. 413-332600
Mfr. No. 413-3326

HARNESSES

WIRING HARNESS 3 CYL.
1988 (60 & 75HP) Cross Flow Engines, Round Plug

Replaces
583444

ORDER NO. 413-344400
Mfr. No. 413-3444

WIRING HARNESS 3 CYL.
1988 (70HP) w/ Tilt & Trim

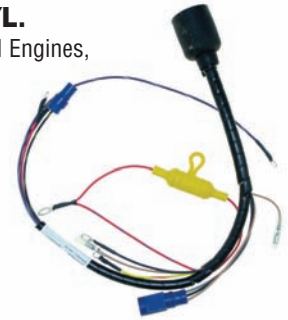
Replaces
583560

ORDER NO. 413-356000
Mfr. No. 413-3560

WIRING HARNESS 4 CYL.
1985 (120 & 140HP) Loop Charged Engines, Round Plug

Replaces
393590

ORDER NO. 413-359000
Mfr. No. 413-3590



WIRING HARNESS 2 CYL.
1988 (40,45,48 & 50HP) Round Plug'

Replaces
583602

ORDER NO. 413-360200
Mfr. No. 413-3602

WIRING HARNESS 2 CYL.
1989-1990 (40,45,48 & 50HP) Round Plug

Replaces
583649

ORDER NO. 413-364900
Mfr. No. 413-3649

WIRING HARNESS 3 CYL.
1989-1990 (60,65 & 70HP) Round Plug

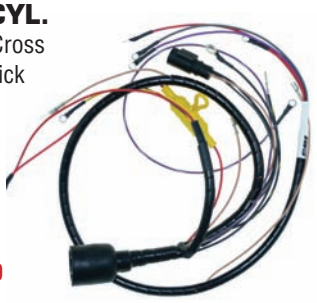
Replaces
583771

ORDER NO. 413-377100
Mfr. No. 413-3771

WIRING HARNESS 6 CYL.
1989-1990 (150,155 & 175HP) Cross Flow Engines, Round Plug w/ Quick Start & S.L.O.W.

Replaces
583852

ORDER NO. 413-385200
Mfr. No. 413-3852



WIRING HARNESS 4 CYL.
1988-1993 (80,88,90,100 & 115HP) Cross Flow Engines, Round Plug

Replaces
584004, 583703, 583338

ORDER NO. 413-400400
Mfr. No. 413-4004

WIRING HARNESS 6 CYL.
1991 (185,200 & 225HP) Round Plug w/ Quick Start & S.L.O.W.

Replaces
584171

ORDER NO. 413-417100
Mfr. No. 413-4171

WIRING HARNESS 6 CYL.
1991 (150,155 & 175HP) Cross Flow Engines, Round Plug w/ Quick Start & S.L.O.W.

Replaces
584221

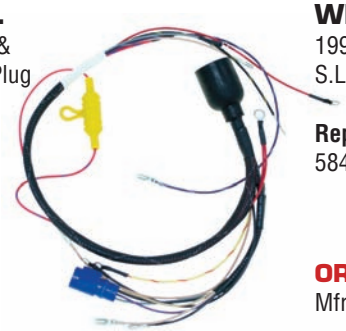
ORDER NO. 413-422100
Mfr. No. 413-4221

HARNESSES

WIRING HARNESS 4 CYL.
1992-1998 (65,80,85,88,90,100,112 & 115HP) Cross Flow Engines, Round Plug

Replaces
584390

ORDER NO. 413-439000
Mfr. No. 413-4390



WIRING HARNESS 2 CYL.
1992-1997 (35,40,48,50 & 55HP) w/ S.L.O.W., Round Plug

Replaces
584398

ORDER NO. 413-439800
Mfr. No. 413-4398

WIRING HARNESS 3 CYL.
1992-1996 (25,50,65 & 70HP) Loop Charged Engines, Round Plug w/ S.L.O.W.

Replaces
584401

ORDER NO. 413-440100
Mfr. No. 413-4401

WIRING HARNESS 6 CYL.
1992 (185,200 & 225HP) Loop Charged Engines, Round Plug w/ Quick Start & S.L.O.W.

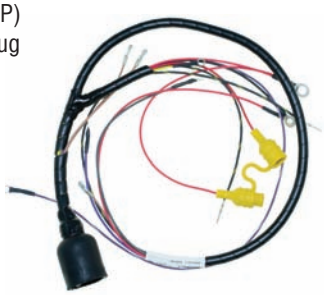
Replaces
584404

ORDER NO. 413-440400
Mfr. No. 413-4404

WIRING HARNESS 4 CYL.
1992-1995 (120,125,130 & 140HP) Loop Charged Engines, Round Plug w/ Quick Start & S.L.O.W.

Replaces
584406

ORDER NO. 413-440600
Mfr. No. 413-4406



WIRING HARNESS 4 CYL.
1984 (90,100,115 & 140HP) Cross Flow Engines, Twin Power Packs, Round Plug

Replaces
394495

ORDER NO. 413-449500
Mfr. No. 413-4495

WIRING HARNESS 3 CYL.
1992-1995 (50,60 & 70HP) Round Plug w/ S.L.O.W.

Replaces
584603

ORDER NO. 413-460300
Mfr. No. 413-4603

WIRING HARNESS 6 CYL.
1993-1994 (185,200 & 225HP) Loop Charged Engines, Round Plug w/ Quick Start & S.L.O.W.

Replaces
584645

ORDER NO. 413-464500
Mfr. No. 413-4645

WIRING HARNESS 2 CYL.
1992-1995 (35,40 & 50HP) Round Plug w/ S.L.O.W.

Replaces
584686

ORDER NO. 413-468600
Mfr. No. 413-4686

WIRING HARNESS DEUTSCH 4 CYL.
1996-2006 (80,90,100,105 & 115HP) 60 Degree Engines, Duetsch Connectors w/ Quick Start & S.L.O.W.

Replaces
584762

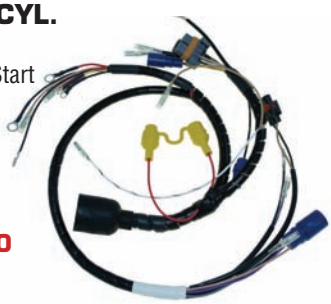
ORDER NO. 413-476200
Mfr. No. 413-4762

HARNESSES

WIRING HARNESS 4 CYL.
1995 (90 & 115HP) 60 Degree Engines, Round Plug w/ Quick Start & S.L.O.W.

Replaces
585085

ORDER NO. 413-508500
Mfr. No. 413-5085



WIRING HARNESS 6 CYL.
1995 (105,150 & 175HP) 60 Degree Engines, Round Plug w/ Quick Start & S.L.O.W.

Replaces
585240

ORDER NO. 413-524000
Mfr. No. 413-5240

WIRING HARNESS 6 CYL.
1995 (200 & 225HP) Loop Charge Engines, Round Plug w/ Quick Sta S.L.O.W.

Replaces
585241

ORDER NO. 413-524100
Mfr. No. 413-5241

WIRING HARNESS 4 CYL.
1985-1987 (88,90,100 & 115HP) Cross Flow Engines, Twin Power Packs, Round Plug

Replaces
395253

ORDER NO. 413-525300
Mfr. No. 413-5253

WIRING HARNESS 4 CYL.
1973 (85,115 & 135HP) Cross Flow Engines, Round Plug

Replaces
385501

ORDER NO. 413-550100
Mfr. No. 413-5501

WIRING HARNESS 2 CYL.
1973 (50HP) Cross Flow Engines, Round Plug

Replaces
385776

ORDER NO. 413-577600
Mfr. No. 413-5776

WIRING HARNESS 6 CYL.
1996-1998 (200 & 225HP) Loop Charged,Carbureted Engines, Deutsch Connectors w/ Quick Start & S.L.O.W.

Replaces
586023

ORDER NO. 413-602300
Mfr. No. 413-6023

WIRING HARNESS 4 CYL.
1996-1998 (88,90,100,112 & 115HP) Cross Flow Engines, Deutsch Connectors 586027

Replaces
586027

ORDER NO. 413-602700
Mfr. No. 413-6027

WIRING HARNESS 2 CYL.
1974-1976 (40HP) Cross Flow Engines, Round Plug

Replaces
386336

ORDER NO. 413-633600
Mfr. No. 413-6336

WIRING HARNESS 6 CYL.
1985 (150,155,175,185 & 235HP) Cross Flow Engines, Round Plug

Replaces
582915, 586409

ORDER NO. 413-640900
Mfr. No. 413-6409

HARNESSES

WIRING HARNESS 4 CYL.
1965-1966 (75 & 100HP) Cross Flow Engines, Flat Plug

Replaces
380097

ORDER NO. 413-990000
Mfr. No. 413-9900

WIRING HARNESS 3 CYL.
1968 (55HP) Cross Flow Engines, Flag Plug

Replaces
382640

ORDER NO. 413-990100
Mfr. No. 413-9901

WIRING HARNESS 3 CYL.
1969 (55HP) Cross Flow Engines, Round Plug

Replaces
383327

ORDER NO. 413-990200
Mfr. No. 413-9902

WIRING HARNESS 3 CYL.
1970-1971 (60HP) Cross Flow Engines, Round Plug

Replaces
384050

ORDER NO. 413-990300
Mfr. No. 413-9903

WIRING HARNESS 4 CYL.
1968 (65HP) Cross Flow Engines, Flat Plug

Replaces
382558

ORDER NO. 413-990400
Mfr. No. 413-9904

WIRING HARNESS 4 CYL.
1968 (85HP) Starflite Engines, Flat Plug

Replaces
382557

ORDER NO. 413-990500
Mfr. No. 413-9905

WIRING HARNESS 4 CYL.
1969 (85 & 115HP) Cross Flow Engines, Round Plug

Replaces
383536

ORDER NO. 413-990600
Mfr. No. 413-9906

WIRING HARNESS 4 CYL.
1970-1972 (85,100,115 & 125HP) Cross Flow Engines, Round Plug

Replaces
384051

ORDER NO. 413-990700
Mfr. No. 413-9907

WIRING HARNESS 4 CYL.
1967 (100HP) Starflite Engines, Flat Plug

Replaces
381883

ORDER NO. 413-990800
Mfr. No. 413-9908

WIRING HARNESS 4 CYL.
1968 (100HP) Cross Flow Engines, Flat Plug

Replaces
382556

ORDER NO. 413-990900
Mfr. No. 413-9909

HARNESSES

WIRING HARNESS 4 CYL.
1968 (85HP) Cross Flow Engines, Flat Plug

Replaces
382777

ORDER NO. 413-991000
Mfr. No. 413-9910

WIRING HARNESS 3 CYL.
1972 (65HP) Cross Flow Engines, Round Plug

Replaces
385067

ORDER NO. 413-991200
Mfr. No. 413-9912

WIRING HARNESS 2 CYL.
1978 (55HP) Cross Flow Engines, Round Plug

Replaces
581973

ORDER NO. 413-991300
Mfr. No. 413-9913

WIRING HARNESS 2 CYL.
1977-1981 (20,25 & 35HP) Round Plug

Replaces
389269, 387872, 389764

ORDER NO. 413-991400
Mfr. No. 413-9914

WIRING HARNESS 2 CYL.
1979-1984 (40,50,66 & 60HP) Cross Flow Engines, Round Plug

Replaces
767968, 583005, 582061

ORDER NO. 413-991500
Mfr. No. 413-9915

WIRING HARNESS 3 CYL.
1973 (65HP) Cross Flow Engines, Round Plug

Replaces
385804

ORDER NO. 413-991600
Mfr. No. 413-9916

WIRING HARNESS 6 CYL.
1976-1978 (150,175,200 & 235HP) Cross Flow Engines, Round Plug

Replaces
581767, 581888

ORDER NO. 413-991700
Mfr. No. 413-9917

WIRING HARNESS 4 CYL.
1974-1976 (85,115 & 135HP) Cross Flow Engines, Round Plug

Replaces
386328

ORDER NO. 413-991800
Mfr. No. 413-9918

WIRING HARNESS RED PLUG
1977-1995 (Engines 20' Length)

ORDER NO. 473-941000
Mfr. No. 473-9410

WIRING HARNESS YELLOW PLUG
1969 (55,85 & 115HP) 1970-1972 (85,115 & 125HP)

Replaces
383634, 279058, 279174

ORDER NO. 473-942000
Mfr. No. 473-9420

HARNESSES

WIRING HARNESS BLACK PLUG
1973 (65HP) 1974-1976 (85,115 & 135HP)
Replaces
385698
ORDER NO. 473-943000
Mfr. No. 473-9430

WIRING HARNESS GREEN PLUG
Replaces
Green Plug Boatside Wiring Harness
ORDER NO. 473-944000
Mfr. No. 473-9440

ENGINE ADAPTER HARNESS
Adapter Harness used to connect 1976-1995 engines to 1996 and newer controls. 18" Long
Replaces 768410
ORDER NO. 423-000100
Mfr. No. 423-0001

SPARK PLUG WIRES

COPPER CORE SPARK PLUG WIRE
9.5" Double-booted spark plug wire
Replaces
582365, 18-5230-9-1, 18-5231-1
ORDER NO. 931-236500
Mfr. No. 931-2365

COPPER CORE SPARK PLUG WIRE
15" Double-booted spark plug wire
ORDER NO. 931-236600
Mfr. No. 931-2366

COPPER CORE SPARK PLUG WIRE
24" Double-booted spark plug wire
Replaces
18-5229-9-1
ORDER NO. 931-236700
Mfr. No. 931-2367

HIGH PERFORMANCE SPARK PLUG WIRE
Replaces 150 & 175 HP (V6) Johnson/Evinrude Outboard Engine Wires, **Qty. 6**
Replaces
584919, 584920, 584921, 5005805, 5005806, 5005807, 18-8840-1
ORDER NO. 931-492100
Mfr. No. 931-4921

HIGH PERFORMANCE SPARK PLUG WIRE
1994-2006 (85 JET, 90 & 115HP) 60 Degree Engines **Qty. 4**
Replaces
18-8839-1
ORDER NO. 931-492200
Mfr. No. 931-4922

MERCURY, MARINER

IGNITION PACKS

IGNITION PACK INLINE 6 CYL.
1966-1967 (95HP - Model 950) & (110HP - Model 1100) Battery Ignition

Replaces
332-2803, 332-2803A 3, 332-2803A 4

ORDER NO. 114-280300
Mfr. No. 114-2803

IGNITION PACK 4/6 CYL.
1967-1975 (50,65,80 & 85HP - 4 Cyl.)
1967- 1979 (90,100,115,125,135,140 & 150HP - Inline 6 Cyl.) Battery Ignition

Replaces
332-2986, 332-2986A 3, 332-2986A 4, 332-2986A 5, 332-2986A 7, 332-2986A 8, 332-2986A 9, 332-2986A10, 332-2986A17, 332-2986A21, 332-2986A22, 332-2986A23, 332-2986A24, 332-2986A25, 332-2986A27

ORDER NO. 114-298600
Mfr. No. 114-2986

IGNITION PACKS

IGNITION PACK KIT 4/6 CYL.
1967-1975 (50,65,80 & 85HP - 4 Cyl.)
1967-1979 (90,100,115,125,135,140 & 150HP - Inline 6 Cyl.) Battery Ignition

Replaces
337-4406, 337-4411, 393-3736A78

ORDER NO. 114-298601
Mfr. No. 114-2986K 1

IGNITION PACK 3 CYL.
1972-1975 (65HP) Model 650 Engines - Battery Ignition

Replaces
332-4796, 332-4796A 3, 332-4796A 6

ORDER NO. 114-479600
Mfr. No. 114-4796

IGNITION PACK 2 CYL.
1973-1977 (20HP - Model 200)
1972-1977 (40HP - Model 402) 1975-1981 (40HP)

Replaces
332-4911A 5, 332-4911A 8,
332-4911A 2, 338-4733, 338-4733A 2

ORDER NO. 114-491100
Mfr. No. 114-4911

IGNITION PACK 2 CYL.
1994-1997 (15,20 & 25 JET HP)
Trigger is Locked

Replaces
18495A 9, 18495A16, 18495A17, 18495A20, 18495A21, 18495A30, 18495A14

ORDER NO. 114-495230
Mfr. No. 114-4952A30

IGNITION PACK 6 CYL.
1997-2005 (175 & 210HP)
Sport Jet Engines

Replaces
18495A31, 18495A32, 18495A22, 18495A23

ORDER NO. 114-495332
Mfr. No. 114-4953-32

IGNITION PACK 2 CYL.
1997-2006 (6,8,9.9,10,15,20 & 25HP)
2 Stroke Engines w/ 4 magnet Flywheel

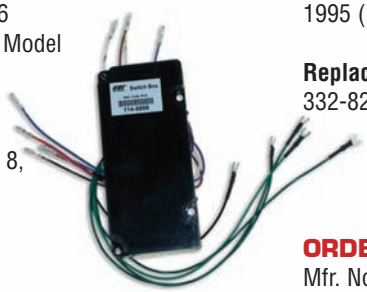
Replaces
855713A 3, 855713A 4

ORDER NO. 114-571300
Mfr. No. 114-5713

IGNITION PACK 2 CYL.
1976-1980 (4HP - Model 40) 1974-1986 (7.5HP - Model 75)1974-1985 (9.8HP - Model 110) 1977-1981 (20HP)

Replaces
339-5287, 339-6222 , 339-6222A 1, 339-6222A 4, 339-6222A 6, 339-6222A 8, 339-6222A10, 899883229, 821889A15

ORDER NO. 114-622200
Mfr. No. 114-6222



IGNITION PACK 4 CYL.
1995 (120HP) Sport Jet Engines

Replaces
332-826866A 2

ORDER NO. 114-686600
Mfr. No. 114-6866

IGNITION PACK 2 CYL.
1980-1987 (18,20,25,35 & 40HP)
Engines Using the Stud Type Pack

Replaces
899883230, 339-7452A 2,
339-7452A 3

ORDER NO. 114-745203
Mfr. No. 114-7452A 3

IGNITION PACK 2 CYL.
1980-1997 (6,8,9.9,10,15,20,25 & 35HP)
Engines Using the Bullet Connection Pack

Replaces
339-7452A 1, 339-7452A 7, 339-7452A 8, 339-7452A 9, 339-7452A10, 339-7452A11, 339-7452A14, 339-7452A15, 339-7452A18, 339-7452A19, 339-7452A20, 339-7452A21

ORDER NO. 114-745201
Mfr. No. 114-7452K 1

IGNITION PACKS

IGNITION PACK CONVERSION KIT 2/6 CYL.
1995-1996 (30 & 40HP - 2Cyl.) 1993-1995 (225 & 250HP 3.0L - 6 Cyl.)
Replaces
822779A 2, 822779A 5, 822779A10, 822779A12, 822779A13, 822779A14, 827509A12, 827509A 6

ORDER NO. 114-750901
Mfr. No. 114-7509K 1

IGNITION PACK 3 CYL.
1991-1997 (45 JET,50,55 & 60HP)

Replaces
19052A 1, 19052A 2, 19052A 3, 19052A 5, 19052A 6, 19052A 7, 19052A 8

ORDER NO. 114-905200
Mfr. No. 114-9052

IGNITION PACK 2 CYL.
Yamaha 1989-1994 (55HP)
Mariner 1977- 1978 (48-60HP)
Replaces

TIA02-10, TIA02-12, 81542M, 83030M, 83030T, 663-85540-14-00, 663-85540-15-00

ORDER NO. 117-000212
Mfr. No. 117-TIA02-12

HIGH PERFORMANCE IGNITION PACK + RPM LIMITERS + TP MODULES

HIGH PERFORMANCE IGNITION PACK 3/6 CYL.
1976-2001 (135-260HP - 6 Cyl.)

Replaces
332-7778A10, 332-7778A 2, 332-5524A 2, 332-7778A14, 332-7778A15, 332-7778R 2, 332-7778A 8, 332-7778A 4
2 Required

ORDER NO. 214-777802
Mfr. No. 214-7778R 2

RPM LIMITER 6 CYL.
1992-2005 (125-200HP) Jet Drive Engines, 5800 RPM Limit

Replaces
821889A20, 821889A30, 821889A27

ORDER NO. 144-188930
Mfr. No. 144-1889-30

RPM LIMITER 2/3/4 CYL.
1992-2006 (2 Stroke Outboard and SportJet Engines requiring a 5200 RPM Limit)
Replaces
821889A49, 821889A50, 821889A51, 821889A34, 821889A22, 821889A28, 821889A29, 821889A19, 821889A38, 821889A40, 821889A41, 821889A42, 821889A45, 821889A46, 821889A47, 821889A53

ORDER NO. 144-188951
Mfr. No. 144-1889-51

RPM LIMITER 2/3/4 CYL.
1992-2006 (2 Stroke Outboard and SportJet Engines requiring a 5800 RPM Limit)
Replaces
821889A36, 821889A52, 821889A 2, 821889A 4, 821889A 6, 821889A 8, 821889A12, 821889A14, 821889T24, 821889A48, 821889A44, 821889A18, 821889A24, 821889A31, 821889A32

ORDER NO. 144-188952

RPM LIMITER 6 CYL.
240 SportJet, 6600 RPM Limit

Replaces
821889A54, 821889A55

ORDER NO. 144-188955
Mfr. No. 144-1889-55

TPM 2 CYL.
1994-1995 (30 & 40HP)
w/ 3 Wire CDM Module

Replaces
823251A 5

ORDER NO. 144-32515
Mfr. No. 144-3251A 5

HIGH PERFORMANCE IGNITION PACK + RPM LIMITERS + TP MODULES

TPM 2 CYL.
1996-1999 (30 & 40HP)
w/ 4 Wire CDM Module

Replaces
823251A 4, 823251A 6

ORDER NO. 144-32516
Mfr. No. 144-3251A 6

OIL WARNING MODULE
2/3/4 Cyl. 1990-1999 (2 Stroke Outboards and SportJet Engines w/Oil Injection)

Replaces
14857, 14857 1, 14857-1, 14857A 1, 14857A 2, 14857A 3, 14857A 4, 14857A 6, 14857A 7, 14857A 8, 14857A 9, 14857A10, 14857A11, 14857A12, 14857A13, 14857A14, 14857A15,

ORDER NO. 144-485716 Mfr. No. 144-4857-16

TPM 6 CYL.
2000-2005, EFI Engines

Replaces
857169A 2, 857169T 1, 857169T 2, R857169T 2

ORDER NO. 144-716900
Mfr. No. 144-7169

TPM 6 CYL.
2000-2007, Carbureted Engines

Replaces
857185A 2, 857185A1, 857185T 1, 857185T1

ORDER NO. 144-718500
Mfr. No. 144-7185

TRIGGERS

DISTRIBUTOR TRIGGER HOUSING 4/6 CYL.
1969-1975 (80 & 85HP - 4 Cyl.) 1967-1979 (90,110,115,135,140 & 150HP - Inline 6 Cyl.) Outboard Engines w/ a Battery Powered Distributor

Replaces
332-4177, 332-4177A 3, 393-3736A79, 393-3736, 393-3736A 3, 393-3736A23, 393-3736A77

ORDER NO. 134-373600
Mfr. No. 134-3736

TRIGGER 2 CYL.
1998-2006 (30 & 40HP)

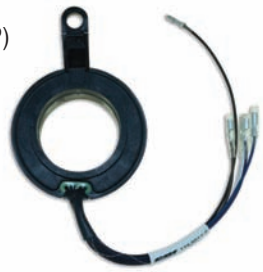
Replaces
853960 T , 855747A 1

ORDER NO. 134-396002
Mfr. No. 134-3960-2

CDM TRIGGER 3 CYL.
1996-2007 (30,40,50,55,65,75 & 90HP)

Replaces
855746A12, 855746A 1, 854512 T, 834520T

ORDER NO. 134-451230
Mfr. No. 134-4512-3



CDM TRIGGER 4 CYL.
1996-2006 (80 JET,100,115 & 125HP)

Replaces
855746A 2, 855746A21, 855748A 2, 834821T, 854513 T

ORDER NO. 134-451340
Mfr. No. 134-4513-4

TRIGGER 4 CYL.
1976-1997 (30 JET,40,45,50,80 & 85HP)
Straight Arm

Replaces
73372A 1, 73410A 1, 76681A 1, 77000A 2, 96452A 1, 96452A 4, 96452A

ORDER NO. 134-645200
Mfr. No. 134-6452

TRIGGER 3 CYL.
1977-1990 (50,60,65 & 70HP)

Replaces
68162A 6, 68162A 3, 96455A 8, 96455A

ORDER NO. 134-645300
Mfr. No. 134-6453

TRIGGERS

TRIGGER 4 CYL.
1984-1986 (75HP) 1980-1983 (80HP)
Hooked Arm

Replaces
77000A 1, 965451,
96453A 1, 96453A 2

ORDER NO. 134-645400
Mfr. No. 134-6454

TRIGGER 6 CYL.
1976-1999 (90-225HP - 6 Cyl.)

Replaces
68162A 1, 68162A 5, 68162A 8, 96455A 6,
96455A 9, 96455A10, 96455A11
Does Not Include 3.0L Engines

ORDER NO. 134-645600
Mfr. No. 134-6456

TRIGGER 6 CYL.
1997-2005 (175 & 210HP) SportJet Engines

Replaces
96455A15

ORDER NO. 134-645615
Mfr. No. 134-6456-15

CDM TRIGGER 6 CYL.
2000-2007 (135,140,150,175,200
& 240HP SportJet) 2 Stroke

Replaces
96455A18, 96455T18
Does Not Include Direct Injection Engines

ORDER NO. 134-645618
Mfr. No. 134-6456-18

TRIGGER 3 CYL.
Mercury (1993-1997 (90 & 95HP) SportJet) Force
(1991-1995 (70 & 90HP)
Replaces
817029A 9, 817029A 3

ORDER NO. 134-702930
Mfr. No. 134-7029-3

TRIGGER 4 CYL.
Mercury (1995 (120HP) SportJet) Force
(1991-1995 (120HP)
Replaces
817029A11, 817029A 4

ORDER NO. 134-702940
Mfr. No. 134-7029-4

TRIGGER 2 CYL.
1995-1999 (30 & 40HP)
Engines w/ TPM Modules
Replaces
99021A11, 99021A14

ORDER NO. 134-902120
Mfr. No. 134-9021-2

TRIGGER 3 CYL.
1987-1999 (45 JET,50,60,65,70,75,80 &
90HP)

Replaces
99021A15, 99021A16, 99021A13, 99021A 8,
99021A 3, 99021A 5

ORDER NO. 134-902130
Mfr. No. 134-9021-3

TRIGGER 4 CYL.
1988-1997 (80 JET,100,115 & 125HP)

Replaces
99021A 2, 99021A 6, 99021K 2

ORDER NO. 134-902140
Mfr. No. 134-9021-4

CONDENSOR
1972-1975 (4HP - 1 Cyl.)
1980-1989 (4,4.5,7.5,9.8
& 20HP - 2 Cyl.)

Replaces
336-4463

ORDER NO. 994-446300
Mfr. No. 994-4463

DISTRIBUTOR SHAFT & ROTOR 3 CYL.
1972-1975 (65HP)

Replaces
337-4603

ORDER NO. 994-460300
Mfr. No. 994-4603

DISTRIBUTOR CAP 6 CYL.
Fits Most 1970-1979
(Outboard Engines w/ a Distributor)

Replaces
393-4841A 2
Includes: Distributor Brush & Spring
Assembly

ORDER NO. 994-484100
Mfr. No. 994-4841

STATORS

STATOR 6 CYL., 40 AMP
2000-2007 (135,140,150,175,200 & 240HP)

Replaces
398-858404A 3, 398-858404A 4, 398-858404T4

ORDER NO. 174-000200
Mfr. No. 174-0002

STATOR 2/3 CYL., 16 AMP
1998-2005 (25HP - 2 Cyl.) 2002-2005 (30 & 40HP - 3Cyl.) Manual Start, 4-Stroke, Bullet Connectors

Replaces
398-852386A 4, 398-852386T 4, 398-852386T6

ORDER NO. 174-238600
Mfr. No. 174-2386

STATOR 2/3/4 CYL., 16 AMP
1998-2005 (25HP - 2 Cyl.) 2002-2005 (30 & 40HP - 3 Cyl.) 2002-2005 (40,50 & 60HP - 4Cyl.) Electric Start, 4-Stroke, 4-Pin Connector

Replaces
852387A 4, 852387A 6, 852387T 6, 852387T 7

ORDER NO. 174-238700
Mfr. No. 174-2387

REPLACEMENT RED LOW SPEED STATOR COIL 4 CYL.
1968 (56HP) 1070-1975 (50HP)

Replaces
333-3175
Recommended to Replace High & Low Speed Coils Simultaneously

ORDER NO. 174-317500
Mfr. No. 174-3175

REPLACEMENT BLUE HIGH SPEED STATOR COIL 4 CYL.
1968 (56HP) 1070-1975 (50HP)

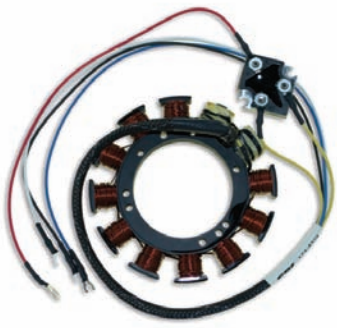
Replaces
333-3176
Recommended to Replace High & Low Speed Coils Simultaneously

ORDER NO. 174-317600
Mfr. No.174-3176

STATOR 1/2 CYL.
1970-1971 (4HP - 1 Cyl.) 1966-1971 (7.5,9.8 & 20HP - 2 Cyl. (9.8HP - 2 Cyl.)

Replaces
339-3962A 4, 339-3996A 4, 339-3996A 7, 336-3996, 336-3996A 7, 336-3962
Includes: (2) 994-3981 Insulator Blocks

ORDER NO. 174-399600
Mfr. No. 174-3996



STATOR 2 CYL., 10 AMP
1970-1971 (40HP - 2 Cyl.)

Replaces
398-3873, 398-4204, 398-4423, 398-4424, 398-4799

Includes: 154-6770 Rectifier

ORDER NO. 174-442400
Mfr. No. 174-4424

REPLACEMENT LOW SPEED STATOR COIL 1/2 CYL.
1972-1975 (4HP - 1 Cyl.) 1972-1989 (4,4.5,7.5,9.8 & 20HP - 2 Cyl.)

Replaces
336-4467, 336-4467A 1, 336-4469, 336-4469A 1

ORDER NO. 174-446900
Mfr. No. 174-4469

REPLACEMENT HIGH SPEED STATOR COIL 1/2 CYL.
1972-1975 (4HP - 1 Cyl.) 1972-1989 (4,4.5,7.5,9.8 & 20HP - 2 Cyl.)

Replaces
336-4470, 336-4470A 1, 336-4468, 336-4468A 1

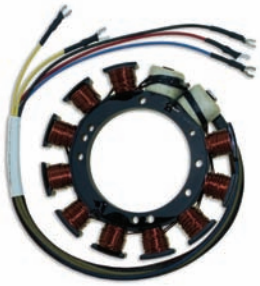
ORDER NO. 174-447000
Mfr. No. 174-4470

STATOR 4/6 CYL., 10 AMP
1969-1975 (65,80 & 85HP - 4 Cyl.) 1972-1979 (90,115,125,135, 140 & 150HP - 6 Cyl.)

Replaces
398-3587, 398-3618, 398-3633, 398-4792, 398-4793, 398-5232

ORDER NO. 174-479300
Mfr. No. 174-4793

STATORS



STATOR 2 CYL. 10 AMP
1972-1981 (40HP)
Replaces
398-5255, 398-5256, 398-4770

ORDER NO. 174-525500
Mfr. No. 174-5255

ORDER NO. 174-545401
Mfr. No. 174-5454K 1
High Performance Part Available!

STATOR 3/4 CYL., 9 AMP
1976-1990 (50,60,65 & 70HP - 3 Cyl.) 1976-1997 (40,45,50,75,80 & 85HP - 4 Cyl.)

Replaces
398-858535A13, 398-858535A15, 398-858535A3, 398-18535A15, 398-5454A 4, 398-5454A62, 398-5454A63, 398-5454A56, 398-5704A 2, 398-5704A 4, 398-5704A 5, 398-5704A 7, 398- 5919A 2, 398-5919A 3, 398-5919A 6, 398-5919A 7, 398-5919A 8, 398-5919A10, 398-5454A41, 398-5454A42, 398-5454A21, 398-5454A22, 5454A24, 398-5454A25, 398-5454A26

STATOR 6 CYL., 9 AMP
1976-1989 (90,115,140,150,175 & 200HP)
Replaces
398-5454A 2, 398-5454A 6, 398-5454A 7, 398-5454A 8, 398-5454A 9, 398-5454A17, 398-5454A18

ORDER NO. 174-545600
Mfr. No. 174-5456
High Performance Part Available!

STATOR 6 CYL., 15/16 AMP
1981-1993 (135,140,150,175,200, 220 & 225HP)
Replaces
398-5454A64, 398-5454A66, 398-5454A55, 398-5454A61, 398-5454A11, 398-5454A15, 398-5454A16, 398-5454A30, 398-5454A31, 398-5454A32, 398-5454A34, 398-5454A35, 398-5454A36

ORDER NO. 174-545616
Mfr. No. 174-5456-16
High Performance Part Available!

STATOR RED
1997-2005 (6,8,9.9,10,15,20 & 25HP) 2 Stroke Engines w/ 4 magnet Flywheel

Replaces
855721A 4, 855721T 8

ORDER NO. 174-572100
Mfr. No. 174-5721

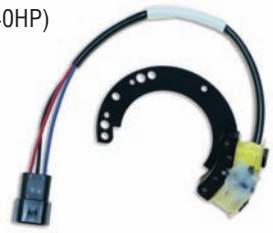
REPLACEMENT STATOR COIL SET 2 CYL.
1976-1980 (40HP)
Replaces
339-5312, 339-5312A 1, 339-5313, 339-5313A 1, 339-5589, 339-5589A 1, 339-5590A 1, 339-5990, 339-5990A 1, 339-6119, 339-6119A 1, 339-6120, 339-6120A 1

ORDER NO. 174-612001
Mfr. No. 174-6120K 1

STATOR 2 CYL.
1979-1997 (6, 8, 9.9, 10, 15, 18, 20,25,35 & 40HP) 2 Stroke Engines w/ 2 Magnet Flywheel

Replaces
86617A20, 86617, 86617A 2, 86617A 3, 86617A 5, 86617A 9, 86617A11, 86617A13

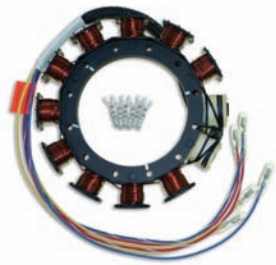
ORDER NO. 174-661701
Mfr. No. 174-6617K 1



STATOR 2 CYL.
1994-1997 (15,20 & 25 JET HP)

Replaces
86617A14, 86617A17

ORDER NO. 174-661717
Mfr. No. 174-6617A17



STATOR 2/3/4 CYL., 9 AMP
Mercury (1987-1996 (70,75 & 90HP - 3 Cyl.) 1988-1996 (40,100,115 & 125HP - 4 Cyl.) Force (1992-1995 (40 & 50HP - 2 Cyl.) 1991-1995 (70 & 90HP - 3 Cyl.) 1991-1995 (120HP - 4 Cyl. SportJet)
Replaces
398-818535A 3, 398-818535A 5, 398-818535A 8, 398-818535A 9, 398-818535A10, 398-818535A13, 398-818535A14, 398-818535A15, 398-8778A 6, 398-8778A10, 398-8778A16, 398-8778A17, 398-8778A18, 398-8778A21, 398-8778A22, 398-8778A23, 398-8778A24, 398-8778A25, 398-8778A26, 398-8778A27, 398-8778A28, 398-8778A29, 749095, F749095

ORDER NO. 174-877801 Mfr. No. 174-8778K 1

STATORS

STATOR CONVERSION KIT
1989-2000 (105,135,140,150,175,200 & 225HP)

Replaces
398-9610A18
Includes: (1) 174-9610K 2 & (2) 194-8736K 1

ORDER NO. 174-961018
Mfr. No. 174-9610A18

STATOR 6 CYL., 40 AMP
1989-2000 (105,135,140,150,175, 200 & 225HP)

Replaces
398-9610A 3, 398-9610A 5, 398-9610A 6, 398-9610A 9, 398-9610A14, 398-9610A17, 398-9610A19, 398-9610A22, 398-9610A24, 398-9610A33

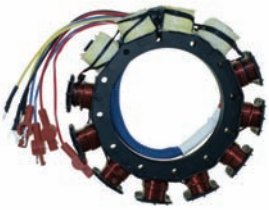
High Performance Part Available!

ORDER NO. 174-961002
Mfr. No. 174-9610K 2

STATOR 6 CYL., 16 AMP
1997-1999 (210HP SportJet) 1997-2005 (175HP SportJet)

Replaces
398-9873A36, 398-9873A39, 398-9873A 1, 398-9873A 3, 398-9873A 4

ORDER NO. 174-987316
Mfr. No. 174-9873-16



HIGH PERFORMANCE STATOR 6 CYL., 16 AMP
1981-1993 (135,140,150,175,200,220 & 225HP)

Replaces
398-5454S15, 398-5454S35

ORDER NO. 274-545615
Mfr. No. 274-5456-S15

STATOR 2/3/4 CYL.,16 AMP
1987-1997 (45 JET,50,55,60,65 JET,70,75,80,90 & 95HP - 3 Cyl.)
1989-1997 (30 JET,40,80 JET,100, 115,120 JET & 125HP - 4 Cyl.)

ORDER NO. 174-971001
Mfr. No. 174-9710K 1

Replaces
F747095, 398-9873A38,398-9873A17, 398-9873A 9, 398-9873A29, 398-9873A32, 398-9873A33, 398-9873A35, 398-9873A24, 398-9873A25, 398-818535A17, 398-818535A18, 398-9710A11, 398-9710A12, 398-9710A14, 398-9710A15, 398-9710A17, 398-9710A18, 398-9710A22, 398-9710A23, 398-9710A25, 398-9710A28, 398-9710A30, 398-9710A31, 398-9710A33, 398-9710A34, 398-9710A35, 398-9710A36, 398-9710A38, 398-9710A39, 398-9710A43, 398-9710A45, 398-9710A46, 398-9710A47, 398-9710A48, 398-9710A49

RECTIFIERS + REGULATOR

RECTIFIER
1967-1997 (7.5,9.8,15,20,25,35,40,45,50, 65,70,75,80,85,90,95,100,110,115,125,135, 140,150,175 7 200HP)

Replaces
62351, 62351A 1, 62351A 2, 8M0058226, 78614, 78614A 1, 816770, 816770T, 332-2910, 332-2910A 1, 332-2910A 2, 332-2910A 3

ORDER NO. 154-677000
Mfr. No. 154-6770
High Performance Part Available! ***See 193-511400 Below***
Not for Use w/Maint. Free Batteries,

REGULATED RECTIFIER 2 CYL.
1993-2000 (5,6,8,9.9,10 & 15HP) 4-Stroke Engines w/3 Wire Replacement, Bullet & Ring Connectors

Can also be used on older Mercury rectifier only systems

ORDER NO. 193-511400
Mfr. No. 193-5114

VOLTAGE REGULATOR 6 CYL., 40 AMP
1989-1991 (135,150,175 & 200HP) 18736a

ORDER NO. 194-187300
Mfr. No.194-1873

REGULATORS

VOLTAGE REGULATOR 2/3/4/6 CYL.
1999-2005 (25HP - 2 Cyl. 4-Stroke) 2002-2005 (30 & 40HP - 3 Cyl. 4-Stroke) 2002-2007 (40,50 & 60HP - 4 Cyl. 4-Stroke) 2000-2007 (135,140,150,175,200 & 240HP - 6 Cyl.)
Replaces
893640-002, 893640T01, 883072T 1, 883072T 2, 854515T 2, 830179T 1, 830179T 2
ORDER NO. 194-211501
Mfr. No. 194-2115K 1

VOLTAGE REGULATOR KIT 6 CYL., 16 AMP
1981-1993 (135,150,175,200 & 225HP) 194-9502 Voltage Regulator
1976-1984 (470 w/ 2 BBL Carb) 1980-1984 (485 & 488 w/ 2 BBL Carb) 1985-1986 (170 & 190) 1987 (165 & 180) 1988-1989 (3.7L)
Replaces
88825A 1, 88825A 7
ORDER NO. 194-882501
Mfr. No. 194-8825K 1

VOLTAGE REGULATOR KIT 6 CYL., 16 AMP
1981-1993 (135,150,175,200 & 225HP) 194-9502 Voltage Regulator
1976-1984 (470 w/ 2 BBL Carb) 1980-1984 (485 & 488 w/ 2 BBL Carb) 1985-1986 (170 & 190) 1987 (165 & 180) 1988-1989 (3.7L)
Replaces
88825A 1, 88825A 7
ORDER NO. 194-950200
Mfr. No. 194-9502

NEW!

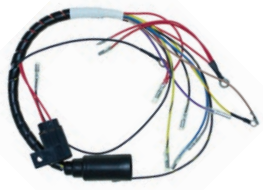
VOLTAGE REGULATOR, MERCURY, 4 CYL.
4-Stroke Mercury/Mariner (75-115HP), (50-90HP) (2005-2006), 4-Stroke Yamaha Engines 2000-2006 (115HP)
Replaces
881346T, 68V-81960-00-00, 6D3-81960-00-00
ORDER NO. 194-000100 Mfr. No. 194-0001

HIGH PERFORMANCE ECMs

ORDER NO.	Mfr. No.	Description	Replaces
314-984901	314-9849A 1	2.5 L (260HP) 39 PSI Fuel Rail, 7750 RPM Limit	11350A49, 849849A 1
314-984902	314-9849A 2	2.0 L Mod U Engines	11350A14, 11350A45, 11350A10, 11350A29, 11350A16, 849849A 2
314-984903	314-9849A 3	2.0 L Prop Engines	849849A 3, 11350A53
314-984904	314-9849A 4	2.4 L (240HP)39 PSI Fuel Rail, 7700 RPM Limit	849849A 4, 11350A13, 11350A 7, 11350A40
314-984905	314-9849A 5	2.5 ROS (260HP) 39 PSI Fuel Rail, 8200 RPM Limit	849849A 5, 11350A15, 11350A17, 11350A27, 11350A36, 11350A37, 11350A48, 11350A32
314-984906	314-9849A 6	2.5 L Drag (300HP) 56 PSI Fuel Rail, 8600 RPM Limit	11350A33, 11350A47, 849849A 7
314-984907	314-9849A 7	S3000 Early Engines	11350A33, 11350A47, 849849A 7
314-984910	314-9849A10	S3000 Prop Engines	849849A 9, 849849A10, 8M8023278
314-984913	314-9849A13	2.5 L Drag	8M8023280, 8M0050960, 849849A13, 849849A11
314-984914	314-9849A14	2.5 F 1 Engines	8M8023282, 849849A12, 849849A14

HARNESSES

WIRING HARNESS 3/4 CYL.
1996-2006 (65 JET,75 & 90HP - 3 Cyl.) & 1994-2006 (80 JET,100,115 & 125HP - 4 Cyl.)
Replaces
84-850043A 2
ORDER NO. 414-004300
Mfr. No. 414-0043



WIRING HARNESS 3 CYL.
1997-2006 (30 JET,40 JET,50 JET & 60HP)
Replaces
84-850220A 2
ORDER NO. 414-022002
Mfr. No. 414-0220

WIRING HARNESS 3 CYL.
1987-1996 (65 JET,70,75,80 & 90HP)
Replaces
84-41591A 3
ORDER NO. 414-159100
Mfr. No. 414-1591

HARNESSES

WIRING HARNESS 2/4/6 CYL.

1970-1981 (20 & 40HP - 2 Cyl.) 1967- 1975 (50,65,80 & 85HP - 4 Cyl.) 1966-1979 (90,95,100,115,125,135,140 & 150HP - 6 Cyl.)

Replaces
84-62534, 84-73826, 84-73826A 1, 84-74904, 84-74904A 1, 84-71443, 84-71443A 1, 84-66055, 84-66055A 1, 84-66297, 84-66297A 1, 84-69236, 84-69236A 1, 84-46463, 59741, 52769, 52770, 52770A 1, 52771, 52771A 1, 52771A 2, 52820, 56370, 49370, 38920, 39177, 38072, 37628, 46285, 46905, 45070, 48150

ORDER NO. 414-277000 Mfr. No. 414-2770

WIRING HARNESS 2/4 CYL.

1977-1981 (20HP - 2 Cyl.) 1976-1979 (50,80 & 85HP - 4 Cyl.)
Harness Exits Through the Side of the Lower Cowling

Replaces
84-76295, 84-76295A 1, 84-73447, 84-73447A 1, 84-64997, 84-73369, 84-73369A 1

ORDER NO. 414-336900
Mfr. No. 414-3369

WIRING HARNESS 4 CYL.

1988-1996 (100,115 & 125HP)

Replaces
84-43443A 3

ORDER NO. 414-344300
Mfr. No. 414-3443

WIRING HARNESS 3 CYL.

1984-1990 (50 & 60HP)

Replaces
84-14614A 1

ORDER NO. 414-461400
Mfr. No. 414-4614

WIRING HARNESS 6 CYL.

1979-1980 (90,115 & 140HP)

Replaces
84-85532, 84-85532A 1, 57022, 34229, 47929

Harness Exits Through the Side of the Lower Cowling

ORDER NO. 414-553200
Mfr. No. 414-5532

WIRING HARNESS 3/4 CYL.

1993-1996 (90HP - 3 Cyl.)
1995 (120HP - 4 Cyl.) SportJet Engines

Replaces
84-826075A 2

ORDER NO. 414-607500
Mfr. No. 414-6075

WIRING HARNESS 2 CYL.

1981-1986 (35 & 40HP) Using Stud Type Switch Box

Replaces
96219A 2, 84-88644A 1, 84-939481A 1

ORDER NO. 414-621902
Mfr. No. 414-6219A 2

WIRING HARNESSES 2 CYL.

1984-1989 (35HP) Using Bullet Connector Switch Box

Replaces
84-96219A 1, 84-96219A 2, 84-96219A 5, 84-96219A 8

ORDER NO. 414-621905
Mfr. No. 414-6219A 5

WIRING HARNESS 6 CYL., 9-16 AMP

1976-1991 (135,150,175 & 200HP)

Replaces
84-87266A 1, 84-6220A 2, 84-96220A 2, 84-96220A 3, 84-96220A 4, 84-96220A 7

ORDER NO. 414-622004
Mfr. No. 414-6220A 4

HARNESSES

WIRING HARNESS
6 Cyl., 40 amp
1989-1991 (135,150,175 & 200HP)

Replaces
84-96220A12, 84-96220A13

ORDER NO. 414-622012
Mfr. No. 414-6220A12

WIRING HARNESS 6 CYL.
1989-2000 (105 JET,135,140 JET,150,175,200 & 2252.5L EFI HP)

Replaces
84-96220A16, 84-96220A17

ORDER NO. 414-622016
Mfr. No. 414-6220A16

WIRING HARNESS 4 CYL.
1980-1986 (75 & 80HP)

Replaces
84-89915A 1, 84-96233A 1, 84-96233A 2

ORDER NO. 414-623302
Mfr. No. 414-6233A 2

WIRING HARNESS 4 CYL.
1980-1989 (45 & 50HP)

Replaces
84-96277A 2, 84-96277A 4

ORDER NO. 414-627700
Mfr. No. 414-6277

WIRING HARNESS 4 CYL.
1989-1997 (30 & 40 JET HP)

Replaces
84-18672A 2, 84-18672A 4, 84-18672A 6, 84-18672A 8

ORDER NO. 414-867200
Mfr. No. 414-8672

WIRING HARNESS 3 CYL.
1991-1999 (45 JET,50, 55 & 60 HP)
2-Stroke

Replaces
84-19061A 4

ORDER NO. 414-906100
Mfr. No. 414-9061

ENGINE ADAPTER HARNESS
Adapts older Mercury engines with side cowling connection to new 8 pin plug

ORDER NO. 421-440100
Mfr. No. 421-4401

WIRING HARNESS BOATSIDE
1968-1981 Engines Using 414-2770, 414-3369, 414-5532 & OEM Harnesses

Replaces
84-822253A20, 84-822253T20, 45876A10, 45876A15, 45876A20
Harness Exits Through the Side of the Lower Cowling

ORDER NO. 474-955000
Mfr. No. 474-9550

WIRING HARNESS BOATSIDE
1979-2006 (8-Pin Cannon Plug Harness)

ORDER NO. 474-956000
Mfr. No. 474-9560

MERCURY, MARINER

IGNITION COILS + SPARK PLUG WIRES

DRIVER COIL
2004-2008 (75,90,115 PRO XS, & 125HP - 3 Cyl. DFI) 2008 - Up (200-250 DFI, 200 JET & 200 XS) 2002-2008 (30 & 40HP - 3 Cyl.) (EFI, 50 & 60HP - 4 Cyl. 4-Stroke EFI) SCI Racing Sterndrive (600,662,700,850, 10 25,1075,1200) (1100 & 1250 QC4V) (240HP SportJet)2002-2004 (200-250HP EFI, 3.0L - 6 Cyl. DFI)
Replaces
339-879984T00, 879984T01, 300-879984T01, 300-8M0077471, 339-879984A1
ORDER NO. 184-000300 Mfr. No. 184-0003

PENCIL COIL 4/6 CYL. MERCURY VERADO
2004-2018 (75,80,90,100,115,135,150, 200,225,250,275,300,350 & 400HP)

Replaces
880615T01, 8M0039809, 8M6002327

ORDER NO. 184-000200 Mfr. No. 184-0002

IGNITION COIL 6 CYL. MERCURY OPTIMAX
1998-2006 (135,200,225,250 & 300HP)

Replaces
339-850227, 339-856991, 339-856991A1

ORDER NO. 184-000500
Mfr. No.184-0005

IGNITION COIL
2005- UP (110 Jet, 135, 150, 175, 200, 225 & 250HP) DFI Outboard 1100, 1350 & 1650 QC4V Race Sterndrives
Replaces
8M0077473, 339-883778A01, 339-883778A02, 339-8M0077473

ORDER NO. 184-000400
Mfr. No. 184-0004

HIGH PERFORMANCE SPARK PLUG WIRE SET
Reduces RFI interference & ghost problems
Replaces
84-881909T, 84-815358, 84-815358A 1, 815358A 1
Qty. 6
ORDER NO. 934-194500
Mfr. No. 934-1945

COPPER CORE SPARK PLUG WIRE
1967-1972 (Johnson/Evinrude Engines) & 1966-1977 (Mercury Engines)
Replaces
84-99215A25, 84-99215AA29, 84-813415A1, 84-813715A1

ORDER NO. 931-921500
Mfr. No. 931-9215

CHRYSLER, FORCE, SEARS & GAMEFISHER

IGNITION PACKS

IGNITION PACK 2 CYL.
1992-1995 (40 & 50HP) Force 2 Cyl. Engines

Replaces
18495A13, 18495A11, 18495A 2, 18495A 4, 18495A 5, 18495A 6, 18495A 8

ORDER NO. 114-495200
Mfr. No.114-4952

IGNITION PACK 3 CYL.
Mercury (1994-1997 (65 JET,75,90 & 95 SportJet) Force (1993-1995 (70 & 90HP)

Replaces
18495A15, 18495A26, 18495A18, 18495A19, 18495A10, 18495A12

ORDER NO. 114-495300
Mfr. No. 114-4953

IGNITION PACK 4 CYL.
Mercury (1976-1997 (30 Jet,40,45,50,75,80,85,100,115 & 125HP) Force (1991-1995 (120HP)
Replaces
9-25104, 332-5772, 332-5772A 1, 332-5772A 2, 332-5772A 3, 332-5772A 4, 332-5772A 5, 332-5772A 7

ORDER NO. 114-577200
Mfr. No. 114-5772

CDM MODULE 2/3/4/6 CYL.
Mercury (1996-2007 (30-300HP) Force (1996- 1999 (40,50,75,90 & 120HP)
Replaces
827509A 1, 827509A 3, 827509A 4, 827509A 7, 827509A 9, 827509A10, 827509T 7
\

ORDER NO. 114-750900
Mfr. No. 114-7509

IGNITION PACKS (Continued)

Upgrade Available

QUICK STRIKE PRO SERIES

High Performance Part Available!
See 214-777802 on Page 129

IGNITION PACK 3/6 CYL.

Mercury (1984-1994 (50-90HP - 3 Cyl.) 1976-1999 (90-225HP - 6 Cyl.)
Force (1991-1992 (70 & 90HP)

Replaces
332-7778A 9, 332-5524, 332-5524A 1, 332-7778, 332-7778A 1, 332-7778A 3, 332-7778A 5, 332-7778A 6, 332-7778A12

ORDER NO. 114-777800 Mfr. No.114-7778

IGNITION PACK 2/3/4 CYL.

1974-1977 (35HP - 2 Cyl.) 1975-1987 (50,70,75,80 & 90HP - 3 Cyl.) 1976-1984 (100,105,115,120,125 & 140HP - 4 Cyl.) w/ Belt Driven Distributor, No Tachometer Output

Replaces
300-F817855A 1, 300-817855A 1, 404301, 523301, 523301-1, 6CB2003, 6CB2012A, 6CB2012B, 817855A 1, F404301, F404301-1, F404301-2, F523301, F523301-1, FA523301, K523301, FK1123, FK523301

ORDER NO. 115-330100 Mfr. No. 115-3301

IGNITION PACK 2 CYL.

1975-1984 (9.9,10,12,15,20 & 25HP)

Replaces
300-F510301, 510301, F510301

ORDER NO. 116-030100
Mfr. No. 116-0301

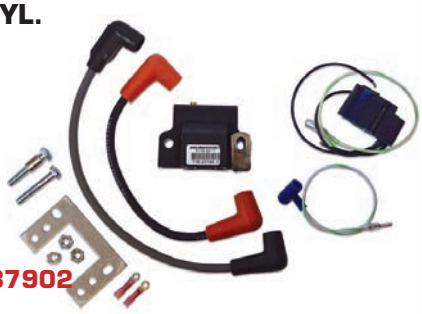
IGNITION KIT 2 CYL.

1989-1992 (9.9 & 15HP)

Replaces
F12379

Includes: (2) 181-1000, 183-3740 & Coil Wires

ORDER NO. 116-237902
Mfr. No. 116-2379K 2



IGNITION KIT 1 CYL.

1989-1992 (5HP)

Replaces
F12386, F712475, 712475

Includes: (2) 181-1000, 183-2508 & Coil Wires

ORDER NO. 116-237903
Mfr. No. 116-2379K 3

IGNITION PACK 3/4 CYL.

1986-1988 (85HP - 3 Cyl.) 1986-1988 (125HP - 4 Cyl.) Black Case

Replaces
300-817974A 1, 300-F817974A 1, 653301, 653301-1, F653301, F653301-1, 817974A 1, FK653301

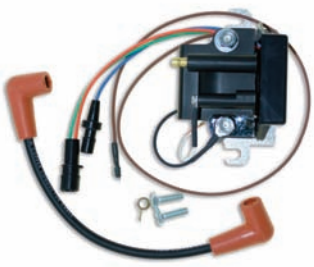
ORDER NO. 116-330100
Mfr. No. 116-3301

IGNITION PACK 2/3/4 CYL.

1981-1985 (55 & 60HP - 2 Cyl.) 1983-1986 (80 & 85HP - 3 Cyl.) 1981-1986 (90,115 & 125HP - 4 Cyl.)

Replaces
888787, F475301-1, 475301-1, 300-888787, 300-F475301-1

ORDER NO. 116-530100
Mfr. No. 116-5301



IGNITION PACK 2 CYL.

1972-1985 (7.5 & 8HP)

Replaces
525475, F525475

ORDER NO. 116-547500
Mfr. No. 116-5475

IGNITION PACK 5 CYL.

1991-1994 (150HP)

Replaces
817323A 1, 817323A 2, 817323A 3

ORDER NO. 116-732300
Mfr. No. 116-7323

IGNITION PACKS

IGNITION PACK 2/3/4/5 CYL.
1988-1992 (50HP - 2 Cyl.) 1989-1991 (85 & 90HP - 3 Cyl.) 1988-1991 (120 & 125HP - 4 Cyl.) 1989-1992 (150HP - 5 Cyl.)
Replaces
685301-2, 658301, 658301-2, F658301-2, 888788, 300-F685301- 2, 300-F658301-2, 300-888788

ORDER NO. 116-830100
Mfr. No. 116-8301

IGNITION PACK 2 CYL.
1984-1988 (50HP)
Replaces
300-888790, F658475, 888790, 658475, 300-F658475

ORDER NO. 116-847500
Mfr. No. 116-8475

IGNITION PACK 2 CYL.
1978-1991 (25,30 & 35HP)
Replaces
F529301, 888789, 529301, 300-F529301, 300-888789

ORDER NO. 116-930100
Mfr. No. 116-9301

TRIGGERS

CDM TRIGGER 2 CYL.
1996-1999 (40 & 50HP)
Replaces

854509, 854509A 9, 828301, 855744A 2, 855744A11

ORDER NO. 134-574420
Mfr. No. 134-5744-2

TRIGGER 3 CYL.
Mercury (1993-1997 (90 & 95HP) SporJet) Force (1991-1995 (70 & 90HP)
Replaces
817029A 9, 817029A 3

ORDER NO. 134-702930
Mfr. No. 134-7029-3

CDM TRIGGER 3 CYL.
1996-1999 (75 & 90HP)

Replaces
855745A11, 828302A 1

ORDER NO. 134-830230
Mfr. No. 134-8302-3

CDM TRIGGER 4 CYL.
Mercury (1995-2000 (120HP) SportJet) Force (1996-1999 (120HP)

Replaces
828303A 1, 855745A22
\

ORDER NO. 134-830340
Mfr. No. 134-8303-4

TRIGGER 2 CYL.
1992-1995 (40 & 50HP)

Replaces
819527A 1

ORDER NO. 134-952720
Mfr. No. 134-9527-2

PRE AMP 3/4 CYL.
1974-1984 (70,75,80 & 90HP - 3 Cyl.) 1976- 1984 (100,105,115,120,135 & 140HP - 4 Cyl.)
Replaces
14048-2, F14048, F14048-1, F14048-2, F14058, FA14048, FA14048-1, FA14048-2
Distributor Ignition

ORDER NO. 135-404800
Mfr. No. 135-4048

TRIGGER 3 CYL.
1987-1991 (85 & 90HP)
Replaces
300-888796, 300-F653029-1, 653029, F653029, F653029-1, 888796

ORDER NO. 136-302930
Mfr. No. 136-3029-3

TRIGGER 2 CYL.
1981-1992 (50,55 & 60HP)
Replaces
300-888798, 300-F684029-1, F684029, F684029-1, 888798, 684029, 684029-1

ORDER NO. 136-402920
Mfr. No. 136-4029-2

TRIGGERS

TRIGGER 4 CYL.
1987-1991 (120 & 125HP)

Replaces
654029, 654029-1, 888797, F65402
F654029-1, 300-888797, 300-
F654029-1

ORDER NO. 136-402940
Mfr. No. 136-4029-4

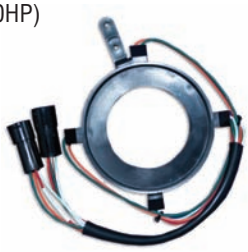
TRIGGER 5 CYL.
1989-1992 (150HP) w/ Prestolite Ignitions

Replaces
694029, 694029-2, F694029,
F694029-2, 888799, 300-F694029-2

ORDER NO. 136-402950
Mfr. No. 136-4029-5

TRIGGER 2 CYL.
1984-1985 (60HP)

Replaces
475029,
300-F475029,
F475029



ORDER NO. 136-502920
Mfr. No. 136-5029-2

TRIGGER 4 CYL.
1981-1986 (90,115 & 125HP)

Replaces
300-888794, 615029,
888794, F615029

ORDER NO. 136-502940
Mfr. No. 136-5029-4

TRIGGER 3 CYL.
1983-1986 (80 & 85HP)

Replaces
300-888795, 888795, F616029,
819017, 616029

ORDER NO. 136-602930
Mfr. No. 136-6029-3

TRIGGER 5 CYL.
1991-1994 (150HP)

Replaces
817029A 5, 817029A 6

ORDER NO. 136-702950
Mfr. No. 136-7029-5

TRIGGER SENSOR 2 CYL.
1984-1988 (50HP)

Replaces
300-F658029, 300-F658029-2,
300-888800, 300-658029, 888800,
F658029, 658029

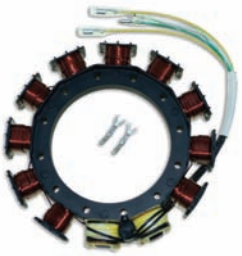
ORDER NO. 136-802920
Mfr. No. 136-8029-2

STATORS

STATOR 2 CYL.
1973-1987 (7.5,9.9HP)
1980-1985 (15HP) 2 Cyl.
Manufactured by Eska

Replaces
610873, 610958

ORDER NO. 110-095800
Mfr. No. 110-0958



STATOR 2/3 CYL., 9 AMP
1995-2005 (30 & 40HP - 2 Cyl.) 1996-2005
(40,50,55 & 60HP - 3 Cyl.) w/ CDM Modules

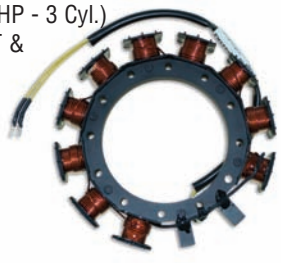
Replaces
398-832075A13, 398-832075A14,
398-832074A 5, 398-832074A11, 398-9783A18,
398-9783A29, 398-9873A13, 398-9873A15

ORDER NO. 174-207501
Mfr. No. 174-2075K 1

ORDER NO. 174-207502
Mfr. No. 174-2075K 2

STATOR 2/3/4 CYL., 16 AMP
1995-2006 (30 & 40HP - 2 Cyl.) 1996-2007
(30 JET, 40,50,55,60,65 JET,75 & 90HP - 3 Cyl.)
1995-2006 (80 JET, 100,115,120 JET &
125HP - 4 Cyl.) w/CDM Modules

Replaces
398-9873A19, 398-9873A22,
398-9873A28, 398-832075A 3,
398-832075A 4, 398-832075A 6,
398-832075A12, 398-832075A17,
398-832075A21, 398-832075T18

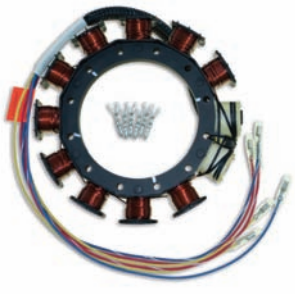


STATOR 5 CYL, 16 AMP
1991-1994 (150HP)
Use with Inverter

Replaces
398-6231A12, 398-6231A13,
398-6231A14, 398-6231A15

ORDER NO. 174-623102
Mfr. No. 174-6231K 2

STATORS



STATOR 2/3/4 CYL., 9 AMP

Mercury (1987-1996 (70,75 & 90HP - 3 Cyl.) 1988-1996 (40,100,115 & 125HP - 4 Cyl.)
Force (1992-1995 (40 & 50HP - 2 Cyl.) 1991-1995 (70 (120HP - 4 Cyl.)

Replaces

398-818535A 3, 398-818535A 5, 398-818535A 8,
398-818535A 9,398- 818535A10, 398-818535A13,
398-818535A14, 398-818535A15, 398-8778A 6,
398-8778A10, 398-8778A16, 398-8778A17, 398-8778A18, 398-8778A21, 398-8778A22, 398-8778A23,
398-8778A24, 398-8778A25, 398-8778A26, 398-8778A27, 398-8778A28, 398-8778A29, 749095, F749095

ORDER NO. 174-877801 Mfr. No. 174-8778K 1

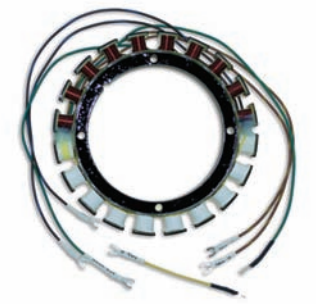
STATOR 2/3/4 CYL., 16 AMP

1987-1997 (45 JET,50,55,60,65 JET,70,75,80,90 & 95HP - 3 Cyl.) 1989-1997 (30 JET,40,80 JET,100,115,120 JET & 125HP - 4 Cyl.)

Replaces

F747095, 398-9873A38, 398-9873A17, 398-9873A 9, 398-9873A29, 398-9873A32, 398-9873A33, 398-9873A35, 398-9873A24, 398-9873A25, 398-818535A17, 398-818535A18, 398-9710A11, 398-9710A12, 398-9710A14, 398-9710A15, 398-9710A17, 398-9710A18, 398-9710A22, 398-9710A23, 398-9710A25, 398-9710A28, 398-9710A30, 398-9710A31, 398-9710A33, 398-9710A34, 398-9710A35, 398-9710A36, 398-9710A38, 398-9710A39, 398-9710A43, 398-9710A45, 398-9710A46, 398-9710A47, 398-9710A48, 398-9710A4

ORDER NO. 174-971001
Mfr. No. 174-9710K 1



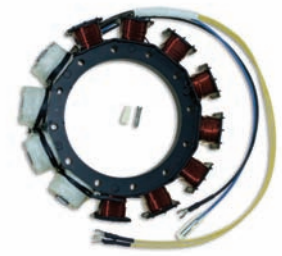
STATOR 2/3/4/5 CYL.

1984-1992 (50HP - 2 Cyl.) 1987-1991 (85 & 90HP - 3 Cyl.) 1986-1991 (120 & 125HP - 4 Cyl.) 1989-1992 (150HP - 5 Cyl.)

Replaces

F653095, F653095-1, F653095-2, F653095-3, F658095, F663095, F663095-1, F663095-2, F663095-3, 888793, 722095, 721095, 721095-1, 721095-2, 694095, 694095-1, 694095-2, 695095, 695095-1, 695095-2, 658095, 653095, 663095, 663095-1, 663095-2, 663095-3, 663095-4, 300-663095, 300-663095-4, 300-694095-2, 300-888793, 300-F658095, 300-F663095, 300-F663095-4, 300-F694095-2, 300-F695095, 300-F721095, 300-F721095-1, 300-F722095

ORDER NO. 176-309500 Mfr. No. 176-3095



STATOR INVERTOR

Replacement 5 Cyl.
1991-1994 (150HP)

Replaces

332-4796A 7, 332-4796A 8

ORDER NO. 176-479601
Mfr. No. 176-4796K 1

STATOR 2/3/4 CYL.

1981-1985 (55 & 60HP - 2 Cyl.) 1983- 1986 (80 & 85HP - 3 Cyl.) 1981-1986 (90,115 & 125HP - 4 Cyl.)

Replaces

F616095, F475095, F615095, FA615095, 888792, 616095, 615095, 300-888792, 300-F475095, 300-F616095, 300-475095, 475095

ORDER NO. 176-509500
Mfr. No. 176-5095

RECTIFIERS

UNIVERSAL RECTIFIER 2/3/4 CYL.

1975-1992 (9.9-50HP - 2 Cyl.) 1975-1985 (50-90HP - 3 Cyl.) 1976-1989 (100-140HP - 4 Cyl.)

Replaces

474470, 650450, 510450-1, 617450, 87-F650450, FA617450, FA650450, F475470, F510450, F510450-1, F404470, F404470-1, F617450, F650450, F684450, F684458, FK650450

ORDER NO. 152-920900
Mfr. No. 152-9209

RECTIFIER 2/3/4/5 CYL.

1974-1985 (35,45,50,55 & 60HP - 2 Cyl.)
1983-1991 (80,85 & 90HP - 3 Cyl.)
1981-1991 (90,115,120 & 125HP - 4 Cyl.)
1989-1992 (150HP - 5 Cyl.)

Replaces

F311450, F369450, F369450-1, FK369450

ORDER NO. 155-145000
Mfr. No. 155-1450

REGULATORS

VOLTAGE REGULATOR 2/3/4/6 CYL.

1995-2005 (25-40HP - 2 Cyl.) 1987-2007 (45-90HP - 3 Cyl.) 1989-2006 (90-125HP - 4 Cyl.) 1992-2000 (150- 225HP - 6 Cyl.)

Replaces

817411, 817411 1, 817411-1, 815279, 815279 1, 815279 2, 815279 3, 815279 4, 815279 5, 815279-1, 815279-2, 815279-3, 815279-4, 815279-5, 815279A 1, 815279A 2, 815279A 3, 815279A 4, 815279T, 815279T 2, 815279T 3, 815279T 4, 815279T 5, 854514, 854514 1, 854514A 1, 854514T, 854514T 1, 854515, 854515 1, 854515-1, 854515A 1, 854515T 1, 830179, 830179 2, 830179-2, 830179A 1, 830179A 2, 830179A 3, 830179T, 856747T 1, 856748, 883071A 1, 883072, 883072T, 65W-81960-00-00, 65W-81960-10-00

ORDER NO. 194-527900
Mfr. No. 194-5279

IGNITION COILS

IGNITION COIL 2/3/4/5 CYL.

1981-1992 (50,55 & 60HP - 2 Cyl.) 1983-1991 (80,85 & 90HP - 3 Cyl.) 1981-1991 (90,115,120 & 125HP - 4 Cyl.) 1989-1992 (150HP - 5 Cyl.)

Replaces

615475, 684475, F684475, F684475- 1, F615475, 888791, 300-888791

ORDER NO. 182-447500
Mfr. No. 182-4475R

IGNITION COIL 2/3/4 CYL.

1974-1978 (45HP - 2 Cyl.) 1975-1984 (70,75,80 & 90HP - 3 Cyl.) 1976-1984 (100,105,115,120,135 & 140HP - 4 Cyl.)

Replaces

345475-1, 345475-2, F345475, F345475-1, F345475-2

ORDER NO. 182-547500
Mfr. No. 182-5475

MAGNETO IGNITION COIL 1/2 CYL.

1974-1987 (3.5,3.6 & 4HP - 1 Cyl.) 1975-1987 (4.9-45HP - 2 Cyl.)

Replaces

FA12231, FA12345, FA12370, F12345, F12370, 889493, 889493A01, A12370, FK12369, FX11406, FX14877

ORDER NO. 185-237000
Mfr. No. 185-2370

IGNITION COIL

1970-2006 (30-40HP - 2 Cyl.) 1976-1997 (45-90HP - 3 Cyl.) 1976-1997 (45-125HP - 4 Cyl.) 1976-2000 (90-225HP - 6 Cyl.) Ring Terminal Connector.

Replaces

338-4774A 1, 339-7370A 2, 339-7370A 6, 339-7370A 8, 339-7370A13, 339-7370A16, 339-7370A17, 339-7370A19, 339-7370A23, 339-7370B13, 338-4995A 1, 338-4995A 2, 339-832757B 4

ORDER NO. 184-000100
Mfr. No. 184-0001

IGNITION COIL

1970-2006 (6-25HP - 2 Cyl.)

Replaces

Same Replaces Data as 184-0001 Only required for coils with through hole mounting.

ORDER NO. 184-000600
Mfr. No. 184-0006

YAMAHA

IGNITION PACKS

IGNITION PACK 4 CYL.

1990-2005 (115 & 130HP)

Replaces

6N7-85540-00-00, 6N7-85540-01-00

ORDER NO. 117-000200
Mfr. No. 117-0002

IGNITION PACK 3 CYL.

1995-2010 (40 & 50HP)

Replaces

63D-85540-00-00, 63D-85540-01-00, 63D-85540-02-00, 63D-85540-03-00, 63D-85540-04-00

ORDER NO. 117-630004
Mfr. No. 117-63D-04

IGNITION PACK 3 CYL.

1984-1996 (75,85 & 90HP)

Replaces

688-85540-12-00, 688-85540-13-00, 688-85540-14-00, 688-85540-15-00, 688-85540-16-00

ORDER NO. 117-68815
Mfr. No. 117-688-15

IGNITION PACKS

IGNITION PACK 2 CYL. YAMAHA ENDURO
1998-2017 (40HP)

Replaces
66T-85540-01-00

ORDER NO. 117-001000
Mfr. No. 117-0010

IGNITION PACK 1 CYL.
1984-2001 (4 & 5 HP)

Replaces
6E0-85540-70-00, 6E0-85540-71-00, 91707, 91707M

ORDER NO. 117-600710
Mfr. No. 117-6E0-71

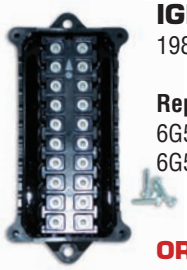
IGNITION PACK 3 CYL.
1984-1988 (40 & 50HP)
Replaces
6H4-85540-20-00, 6H4-85540-21-00

ORDER NO. 117-604210
Mfr. No. 117-6H4-21

IGNITION PACK 4 CYL.
1984-1996 (115 & 130HP)

Replaces
6E5-85540-10-00, 6E5-85540-11-00, 6E5-85540-12-00, TIA04-08

ORDER NO. 117-605120
Mfr. No. 117-6E5-12



IGNITION PACK 6 CYL.
1984-1989 (150,175,200 & 225HP)

Replaces
6G5-85540-10-00, 6G5-85540-11-00, 6G5-85540-12-00

ORDER NO. 117-615120
Mfr. No. 117-6G5-12

IGNITION PACK 3 CYL.
1989-1994 (40 & 50 HP)

Replaces
6H5-85540-02-00

ORDER NO. 117-605002
Mfr. No. 117-6H5-02

IGNITION PACK 3 CYL.
1997-1998 (25HP) 1988-1999 (30HP)

Replaces
6J8-85540-H0-00, 6J8-85540-H1-00

ORDER NO. 117-608010

IGNITION PACK 3 CYL.
1999-2002 (30HP)

Replaces
6J8-85540-H2-00

ORDER NO. 117-680020
Mfr. No. 117-6J8-H2

IGNITION PACK 2 CYL.
1984-1990 (25,30 & 40HP)
Replaces
84872M, 84872T, 689-85540-20-00, 689-85540-21-00, 689-85540-22-00, 689-85540-29-00

ORDER NO. 117-689210
Mfr. No. 117-689-21

IGNITION PACK 2 CYL.
1984-1997 (9.9,15 & 25HP)

Replaces
TIA01-36, 43077M, 43077T, 695-85540-10-00, 695-85540-11-00, 695-85540-12-00

ORDER NO. 117-695110
Mfr. No.117-695-11

IGNITION PACK 2 CYL.
1984-2004 (6 & 8 HP) 1995-2000 (48HP)

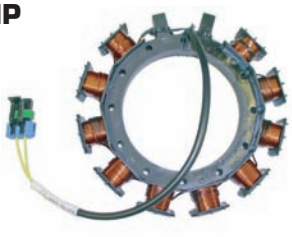
Replaces
41305M, 827165M, 696-85540-10-00, 696-85540-11-00, 696-85540-12-00

ORDER NO. 117-696120
Mfr. No.117-696-12

STATORS

STATOR 3/4 CYL., 16 AMP
Mercury (2002-2008 (30,50 & 60HP) 4-Stroke EFI Engines)
Yamaha (2003-2005 (25 & 30HP) 4-Stroke EFI Engines)

Replaces
398-878143A 5, 398-878143A05, 398-878143T 3, 398-878143T 5, 398-878143T03, 398-878143T05, R398-878143T 3, R398-878143T 5

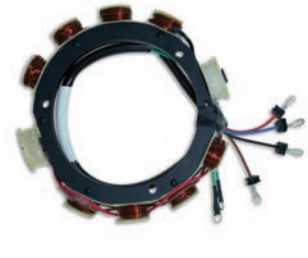


ORDER NO. 174-000100
Mfr. No. 174-0001

STATOR 3 CYL., 15 AMP
1988-2000 (75,85 & 90HP)

Replaces
688-85510-10-00, 688-85510-11-00

ORDER NO. 177-688110
Mfr. No. 177-688-11



STATOR 4 CYL., 15 AMP
1984-1999 (115 & 130HP)

Replaces
6E5-85510-10-00, 6E5-85510-11-00

ORDER NO. 177-651000
Mfr. No. 177-6E5-10

STATOR 6 CYL., 15 AMP
1984-1989 (150,175,200 & 225HP)

ORDER NO. 177-651100
Mfr. No. 177-6G5-10

RECTIFIER + REGULATORS

ORDER NO. 157-664610
Mfr. No. 157-664-61

RECTIFIER 1/2/3 CYL.
1984-2001 (4 & 5HP - 1 Cyl.) 1984-2010 (6,8,9.9,15,20,25, 30 & 40HP - 2 Cyl.)
1984- 1999 (40,50,55,60 & 70HP - 3 Cyl.)

Replaces
810937M, 814995M, 81652M, 84329M, 6E9-81970-70-00, 6G1-81970-00-00, 6G1-81970-60-00, 6G1-81970-61-00, 6G1-81970-62-00, 6G1-81970-A0-00, 664-81970-60-00, 664-81970-61-00, 664-81970-62-00, 676-81970-00-00

VOLTAGE REGULATOR 3/4 CYL. YAMAHA
1997-2000 (75 & 80HP) 1994-1999 (90HP) 1997-2001(90 & 115HP)

Replaces:
6H0-81960-00-00

ORDER NO. 197-000200
Mfr. No. 197-0002

VOLTAGE REGULATOR 2/4/6 CYL.
1984-1996 (75,85 & 90HP - 3 Cyl.)
1988-1996 (115 & 130HP - 4 Cyl.)
1984-1997 (150,175,200 & 225 HP - 6 Cyl.)

Replaces
688-81960-61-00, 6G5-81960-A0-00

ORDER NO. 197-605000
Mfr. No. 197-6G5-AO

VOLTAGE REGULATOR 4/6 CYL.
1990-2005 (115 & 130HP - 4 Cyl.)
1990-2005 (150,175, & 200HP - 6 Cyl.)

Replaces
6R3-81960-00-00, 6R3-81960-10-00

ORDER NO. 197-000100
Mfr. No. 197-0001

PULSER COIL 2 CYL. YAMAHA ENDURO
1998-2017 (40HP)

Replaces
66T-85580-00-00

ORDER NO. 137-000300
Mfr. No. 137-0003

YAMAHA

COILS

CHARGE COIL 2 CYL. YAMAHA ENDURO
1998-2017 (40HP)
Replaces
66T-85520-00-00

ORDER NO. 177-001200
Mfr. No. 177-0012

LIGHTING COIL 2 CYL. YAMAHA ENDURO
1998-2017 (40HP)
Replaces
66T-85533-00-00

ORDER NO. 177-001300
Mfr. No. 177-0013

IGNITION COIL 2 CYL. YAMAHA ENDURO
1998-2017 (40HP)
Replaces
66T-85570-00-00

ORDER NO. 187-001100
Mfr. No. 187-0011

TOHATSU & NISSAN

IGNITION PACKS

IGNITION PACK 2 CYL.
1980-1997(30,35,40,45,50,55,60 & 70HP) 2-Stroke
Replaces
3A3-06240-0, 3A306-2400, 3A3062400M, 35306201M, 353-06260-0, 35306-2600, 353062600M, 35306-2601, 35306260-1, 353-06260-2, 353062602M, 35306-2602M, 362-06060-0, 36206-0600, 362060600M, 303-06240-0, 30306-2400
ORDER NO. 119-240000
Mfr. No. 119-2400

IGNITION PACK 2 CYL.
1993-1995 (9.9,15 & 18HP)
Replaces
3A0060600M, 3A0-06060-1, 3A0060601M, 3A0-60060-0, 3G2-06060-1, 3G206-0601, 3G2060601M, 3G2-06062-1, 361-06060-0, 361060600M, 361-06060-1, 361060601M
ORDER NO. 119-302001 Mfr. No. 119-3G2-01

IGNITION PACK 2 CYL.
1983-1997 (25HP) 2-Stroke
Replaces
3A106-22402, 3A1-06240-2, 3A106-2402, 3A1062402M, 3A1-06260-0, 3A106-2600, 3A1062600M, 3A1-06260-1, 3A106-2601, 3A1062601M, 3A1-06260-2, 3A106-2602, 3A1062602M, 346-06260-1, 34606-2601, 346062601M, 346-06260-2, 34606-2602, 346062602M

119-240200

ORDER NO. 119-240200
Mfr. No.119-2402

SUZUKI

IGNITION PACK 2 CYL.
1983 (DT750ML) 1984 (DT50EC & DT50MC Engines) (50HP)
Replaces
32900-953200, 32900-953201, 32900-953202, 32900-93911

ORDER NO. 118-532000
Mfr. No. 118-5320

178-000300

CHARGE COIL 2 CYL.
1988-1989 (35HP) 1984-1998 (40HP)

Replaces
32140-94400

ORDER NO. 178-000300
Mfr. No. 178-0003

WESTERBEKE

C13-0001 IGNITOR
4.5 BCGTC, 7.2 BCGTC, 9.6 BCGTC, 4.5 BCGTE and 7.2 BCGTE Generators
Replaces 043053

ORDER NO. 130-000100
Mfr. No. C13-0001

TILT/TRIM RELAY
40 amp for Trim/Tilt.

ORDER NO. 857-195000
Mfr. No. 857-1950

MARINE TERMINAL KIT
Includes assorted terminals, boots and heat sink

ORDER NO. 912-970800
Mfr. No. 912-9708

IGNITION COIL PRIMARY WIRE SET 4 CYL.
Designed for use w/ L4 Engines.

Includes: 4 Wires - 1 Green, 1 Green & White, 1 Green & Red, & 1 Green & Black

ORDER NO. 934-872100
Mfr. No. 934-8721

IGNITION COIL PRIMARY
Wire Set 6 Cyl.
Designed for use w/ V6 Engines.
Includes: 6 Wires - 2 Green, 2 Green & White, 2 Green & Red

ORDER NO. 934-973800
Mfr. No. 934-9738

BULLET CONNECTORS
Includes 10 Male, 10 Female Terminals w/ Boots, Per Pack

ORDER NO. 911-978300
Mfr. No. 911-9783

MALE KILL PLUG (LARGE)
Single Pin Amphenol Male Plug (Large),
Qty. 1

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Mfr. No. 923-3356

ESA ADAPTER HARNESS
Adapts Single 5 Wire to 4 & 2 Pin Connector OMC ESA Adapter Harness

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Mfr. No. 423-7731

TILT/TRIM RELAY 12 VOLT,
40 amp
12 Volt, 40 amp for Trim/Tilt

ORDER NO. 852-980900
Mfr. No. 852-9809

TILT/TRIM RELAY
12 Volt, 40 amp for Trim/Tilt
882751A 1, 882751A 2, 828151, 828151A 1, 828151A 2

ORDER NO. 852-981900
Mfr. No. 852-9819

SHIFT DIODE
1968-1973
(Johnson Evinrude Electric Shift Engines)

ORDER NO. 953-384000
Mfr. No. 953-3840

SPARK PLUG WIRES

ORDER NO.	Mfr No.	Qty	Sierra Part Number	Coil Wire Length
631-00010	631-0001	8	18-8803-2	19
631-00040	631-0004	8	18-8804-1	16
631-00060	631-0006	8	18-8832-1	19
631-00070	631-0007	6	18-8800-1	14
631-00080	631-0008	8	18-8804-1	17
631-00090	631-0009	8	18-8844-1	
631-00100	631-0010	8	18-8802-1	13
631-00110	631-0011	8	18-8828-1	21
631-00120	631-0012	6	18-8809-1	19
631-00130	631-0013	6	18-8810-1	14
631-00150	631-0015	4	18-8808-2	13
631-00170	631-0017	6	18-8801-1	14
631-00180	631-0018	8	18-28044	16
631-00200	631-0020	8	18-8838-1	
631-00220	631-0022	8		16
631-00230	631-0023	4	18-8833-1	20
631-00250	631-0025	8	18-8806-1	13
631-00260	631-0026	8	18-8802-1	13

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HIGH PERFORMANCE SPARK PLUG WIRE SETS WITH YOUR CDI ELECTRONICS INBOARD IGNITION COMPONENTS

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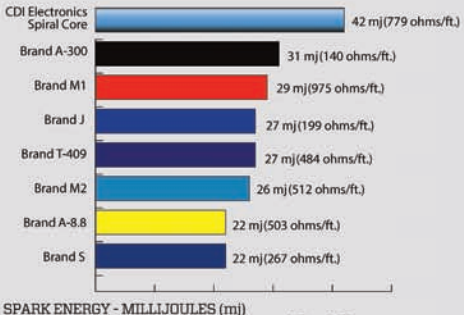
When tested against 7 leading brands, CDI Electronics beat them all:

More Spark Energy!

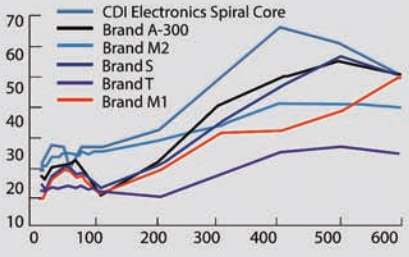
Optimum capacitance, inductance and resistance for maximum energy transmission



SPARK ENERGY - MILLIJOULES (mj)
Note: No correlation between Resistance and Spark Energy

Better EMI Suppression!

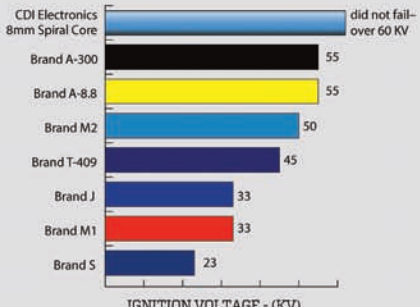
Ideal electrical properties provide best EMI suppression for peak radio and electronic ignition performance



FREQUENCY - (MHz)
EMI Suppression Performance
Sample wire lengths tested in SAE CISPR Box test.

Higher Dielectric Strength!

Premium silicone jacket over dense EPDM (Ethylene Propylene Diene Monomer) for best insulation performance



IGNITION VOLTAGE - (KV)
Insulation Performance High Dielectric Test -
Wire Failure due to Voltage Leakage

To see our offering of Outboard Spark Plug Wires, please see the individual engine groupings.

SENSORS & TUNE UP KITS

THROTTLE POSITION SENSOR
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Mfr. No. E13-0008

Mercruiser	803148
Sierra	18-7757
Volvo Penta	3855296

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Crusader	47002
Mercruiser	805218T
Pleasurecraft	R020019
Sierra	18-7600

COOLANT TEMP SENSOR
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Mfr. No. E13-0010

OMC	3854159
Sierra	18-7602
Volvo Penta	3854159

TUNE UP KIT
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Mfr. No. E66-0001

GLM	71720
Sierra	18-5268

TUNE UP KIT
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Mfr. No. E66-0002

GLM	71790
Sierra	18-5274
For: Mercury Thunderbolt HEI - V-6	

TUNE UP KIT
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Mfr. No. E66-0003

GLM	71830
Mercruiser	811635Q2
Sierra	18-5280

TUNE UP KIT
ORDER NO.632-660004
Mfr. No. E66-0004

GLM	71810
Mercruiser	808483Q2
Sierra	18-5281

TUNE UP KIT
ORDER NO.632-660005
Mfr. No. E66-0005

Mercruiser	808483K2
Sierra	18-5291

TUNE UP KIT
ORDER NO.632-660006
Mfr. No. E66-0006

Mercruiser	898253T29, 8M0060495, 8M0061335
Sierra	18-5247

TUNE UP KIT
ORDER NO.632-660007
Mfr. No. E66-0007

Mercruiser	898253T28
Sierra	18-5246

TUNE UP KIT
ORDER NO.632-660011
Mfr. No. E66-0011

Sierra	18-5283

TUNE UP KIT
ORDER NO.632-660012
Mfr. No. E66-0012

GLM	71780
Mercruiser	805759T3
Sierra	18-5273

DISTRIBUTOR CAP

DISTRIBUTOR CAP
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Mfr. No. E64-0004

GLM	71420
Mercruiser	811635T3
OMC	986643
Sierra	18-5361
Volvo	3854260

DISTRIBUTOR CAP
ORDER NO.632-640005
Mfr. No. E64-0005

Mercruiser	850484T2
GLM	71410
OMC	3854331
Sierra	18-5362
Volvo	3854331-0

DISTRIBUTOR CAP
ORDER NO.632-640006
Mfr. No. E64-0006

Mercruiser	8M6001106
Pleasurecraft	RA108009
Sierra	18-5244
Volvo	3858975

DISTRIBUTOR CAP
ORDER NO.632-640007
Mfr. No. E64-0007

Mercruiser	898253T23
Sierra	18-5243
Volvo Penta	3859019

DISTRIBUTOR CAP
ORDER NO.632-640008
Mfr. No. E64-0008

Crusader	3000121
GLM	71550
Mercruiser	393-4988T2
Sierra	18-5389

DISTRIBUTOR CAP
ORDER NO.632-640009
Mfr. No. E64-0009

OMC	3854217, 987985
Sierra	18-5248
Volvo Penta	3854217

DISTRIBUTOR CAP
ORDER NO.632-640010
Mfr. No. E64-0010

GLM	71510
Mercruiser	805759T1
Sierra	18-5395

DISTRIBUTOR CAP
ORDER NO.632-640011
Mfr. No. E64-0011

GLM	71480
Sierra	18-5358
Volvo Penta	841263

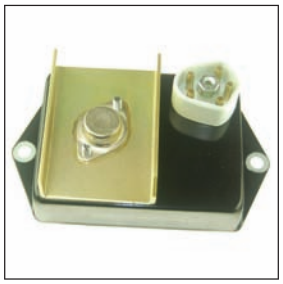
DISTRIBUTOR CAP
ORDER NO.632-640013
Mfr. No. E64-0013

GLM	71500
Mercruiser	815407A2
Sierra	18-5396

DISTRIBUTOR CAP
ORDER NO.632-640014
Mfr. No. E64-0014

Crusader	38070
GLM	71400
Mercruiser	808483T3
OMC	3854548
Sierra	18-5354
Volvo Penta	3854548-9

IGNITION MODULES & ROTORS



IGNITION MODULE

Chrysler	3874020
Sierra	18-5105

ORDER NO.632-110001
Mfr. No. E11-0001

IGNITION COIL & MODULE

ORDER NO.632-110002
Mfr. No. E11-0002

Indmar	S556343
Mercruiser	392-863704T
OMC	481553
Pleasurecraft	RA117011
Sierra	18-5465
Volvo Penta	3861985

IGNITION MODULE

ORDER NO.632-110003
Mfr. No. E11-0003

Crusader	7243110
GLM	73190
Mercury	811637001
OMC	3854003
Sierra	18-5107-1
Volvo Penta	3854003

IGNITION MODULE

ORDER NO.632-110004
Mfr. No. E11-0004

GLM	10482803
Sierra	18-5117

ROTOR

ORDER NO.632-650001
Mfr. No. E65-0001

Chrysler	868096
Crusader	20223
GLM	71040
Mercruiser	8M6001224
OMC	982211
Pleasurecraft	R103001
Sierra	18-5404-1

ROTOR

ORDER NO.632-650002
Mfr. No. E65-0002

OMC	987986, 3854218
Sierra	18-5413

ROTOR

ORDER NO.632-650003
Mfr. No. E65-0003

Chris-craft	16.69-00051
GLM	71020
Mercruiser	8M6001251
OMC	384735
Sierra	18-5418

ROTOR

GLM	71070
Mercruiser	13524Q06
Sierra	18-5432

ORDER NO.632-650004
Mfr. No. E65-0004

ROTOR

GLM	71120
Mercruiser	8M6001254
OMC	986651
Sierra	18-5406
Volvo Penta	3854261-9

ORDER NO.632-650005
Mfr. No. E65-0005

ROTOR

ORDER NO.632-650006
Mfr. No. E65-0006

Crusader	38071
GLM	71100
Mercruiser	8M6001253
OMC	3854549
Sierra	18-5405
Volvo Penta	3854549-7

ROTORS & SENSORS

ROTOR
ORDER NO.632-650007
Mfr. No. E65-0007

Mercruiser	898253009, 8M6001252, 804803
Sierra	18-5402

ROTOR
ORDER NO.632-660018
Mfr. No. E66-0018

Crusader	3000122
GLM	71030
Mercruiser	65864, 78016, 49924 47584
Sierra	18-5420

IGNITION SENSOR THUNDERBOLT
ORDER NO.632-110005
Mfr. No. E11-0005

Mercruiser	87-861780A2
Sierra	18-5116-1

MAP SENSOR
ORDER NO.632-130001
Mfr. No. E13-0001

Mercruiser	8M0054726
Sierra	18-7660

CAMSHAFT POSITION SENSOR

Mercruiser	898141
Sierra	18-7642
Volvo	3863130

ORDER NO.632-130002
Mfr. No. E13-0002

CRANKSHAFT POSITION SENSOR

Sierra	18-7706
Volvo Penta	3858979

ORDER NO.632-130003
Mfr. No. E13-0003

CAMSHAFT SENSOR

Mercruiser	892615002
Pleasurecraft	R020035A
Sierra	18-7646

ORDER NO.632-130004
Mfr. No. E13-0004

CAMSHAFT SENSOR

Sierra	18-7643
Volvo Penta	3859082

ORDER NO.632-130005
Mfr. No. E13-0005

THROTTLE POSITION SENSOR

Mercruiser	8M0097035
Sierra	18-7700
Volvo Penta	3857487

ORDER NO.632-130006
Mfr. No. E13-0006

THROTTLE POSITION SENSOR

Crusader	47032
Mercruiser	805226A1
Pleasurecraft	R020040
Sierra	18-7630

ORDER NO.632-130007 Mfr. No. E13-0007

CONDENSERS & CONTACTS SETS & DISTRIBUTOR CAPS

CONDENSER

ORDER NO.632-660008
Mfr. No. E66-0008

ChrisCraft	16.69-00050
Chrysler	2279949
Crusader	705787
GLM	70530
Mercruiser	8M6001218
OMC	380537
Pleasurecraft	R115002
Sierra	18-5345
Volvo Penta	835704

CONDENSER

ORDER NO.632-660010 Mfr. No. E66-0010

Chriscraft	16.69-00040
Crusader	12530
GLM	70580
Mercruiser	8M6001217
OMC	382136
Pleasurecraft	R115001
Sierra	18-5338
Volvo	835308-8

CONDENSER
ORDER NO.632-660013
Mfr. No. E66-0013

Crusader	12526
GLM	70520
Mercruiser	33706
OMC	382125
Sierra	18-5344

CONDENSER
ORDER NO.632-660014
Mfr. No. E66-0014

Sierra	18-5342
Volvo Penta	243653

CONTACT SET
ORDER NO.632-660015
Mfr. No. E66-0015

GLM	70050
Mercruiser	87-71831
Sierra	18-5317

CONTACT SET
ORDER NO.632-660017
Mfr. No. E66-0017

Chris-craft	16.69-00049
GLM	70020
Mercruiser	34235T
OMC	380538
Sierra	18-5311

CONDENSER
ORDER NO.632-660019
Mfr. No. E66-0019

Chrysler	1818757
Chrysler	3420600
GLM	70510
Johnson/Evinrude	987895
Mercruiser	8M6001249
Sierra	18-5347

DISTRIBUTOR CAP

ORDER NO.632-640001 Mfr. No. E64-0001

Crusader	41069
GLM	71600
Mercruiser	392-9086T
OMC	3853814, 982879, 984398
Sierra	18-5353
Volvo Penta	841926-9

DISTRIBUTOR CAP
ORDER NO.632-640002
Mfr. No. E64-0002

Chris-Craft	16.69-00052
GLM	71540
Mercruiser	393-9459Q1
OMC	393587, 380541
Sierra	18-5385

DISTRIBUTOR CAP

ORDER NO.632-640003 Mfr. No. E64-0003

GLM	71530
Mercruiser	33765T
OMC	980152
Sierra	18-5386

COILS

RESISTOR FOR COIL
ORDER NO.632-120001
Mfr. No. E12-0001

Chrysler	3874767
Sierra	18-5451

RESISTOR FOR COIL
ORDER NO.632-120002
Mfr. No. E12-0002

Chrysler	4106140
Johnson/Evinrude	41064, 41068, 981654
Pleasurecraft	R119001
Sierra	18-5450
Volvo Penta	835999

IGNITION COIL
ORDER NO.632-180001
Mfr. No. E18-0001

OMC	914631
Sierra	18-5439

IGNITION COIL
ORDER NO.632-180002
Mfr. No. E18-0002

OMC	3852217
GLM	72115
Redline	RL5437
Sierra	18-5437

Primary Resistance	Secondary Resistance	Inductance
1.42 / 1.57 Ω	7.41 / 8.19 KΩ	6.79 / 7.51 mH

IGNITION COIL
ORDER NO.632-180004
Mfr. No. E18-0004

A.C. Delco	1115202
Chrysler	2495531, 201522
Crusader	37068
GLM	72110
Mercruiser	898253T24
OMC	3853548
Pleasurecraft	R117001
Sierra	18-5433
Volvo Penta	835998-6

Primary Resistance	Secondary Resistance	Inductance
1.33 / 1.47 Ω	11.17 / 12.35 KΩ	5.14 / 5.68 mH

IGNITION COIL
ORDER NO.632-180005
Mfr. No. E18-0005

Chrysler	200691
Crusader	41080
Sierra	18-5435

Primary Resistance	Secondary Resistance	Inductance
2.75 / 3.04 Ω	7.98 / 8.83 KΩ	7.83 / 8.66 mH

IGNITION COIL

Mercruiser	392-881732
Pleasurecraft	R117012
Sierra	18-7648
Volvo Penta	3861267

ORDER NO.632-180006
Mfr. No. E18-0006

IGNITION COIL
ORDER NO.632-180008
Mfr. No. E18-0008

Mercruiser	300-8M0079202
Sierra	18-5438

Primary Resistance	Secondary Resistance	Inductance
0.85 / 1.05 Ω	7.50 / 8.29 K Ω	6.86 / 7.59 mH

IGNITION COIL
ORDER NO.632-180007
Mfr. No. E18-0007

Mercruiser	392-889925
Sierra	18-7493
Volvo Penta	3859078

COIL BRACKET
ORDER NO.632-180009
Mfr. No. E18-0009

Universal

SG200 BATTERY MONITOR

SG200 Battery Monitor
Balmar's Expandable, Next Generation Monitor

- **LEARNS & DISPLAYS ALL CRITICAL BATTERY PARAMETERS**
  - State of Charge (SoC%)
  - State of Health (SoH%)
  - Charge/Discharge Current Flow
  - Time Remaining
  - History, Faults & Alerts

- **SUPPORT FOR ALL COMMON BATTERY CHEMISTRIES & VOLTAGES**
  - Including Lead Acid, Lithium (LiFePO4), Standard AGM, TPPL AGM, Carbon Foam AGM, and GEL Batteries
  - Supports 12V-48V Battery Banks
  - Typically 97% Accurate within 2 Cycles
  - Auto-Calibrating
  - Does not Lose Accuracy with Age

- **LARGE, BRIGHT COLOR DISPLAY**
  - Sunlight Readable, Configurable & Dimmable
  - 60 Degree Viewing Angle
  - Fits in Standard 2-1/16" Gauge Socket

- **EXPANDABLE ARCHITECTURE**
  - Support Multiple Displays (Optional)
  - Supports Multiple Battery Banks (Optional)
  - Standard Support for 2 Start Batteries (Voltage Only)
  - Simple, easy-to-install Point-to-Point Network

- **OPTIONAL SMARTPHONE/BLUETOOTH® GATEWAY**
  - Free iOS and Android Apps (Requires Bluetooth® Gateway PN SG2-0300)
  - View All Parameters on your Phone
  - Download Product Updates

Balmar has combined recent technology advances to introduce a next generation battery monitor. The **SG200** is quite simply the most accurate battery monitor available today. Balmar has combined the best features of its 1st generation SmartgaugeTM with many advantages of a shunt-based amp-hour counting system. Further, we've designed a device architecture which facilitates multiple Displays or multiple SmartShunts to be added to the network-allowing the boater to monitor multiple energy storage banks simultaneously from multiple locations.

In addition, the **SG200** Colour Display is easy to read, configurable and fits any standard 2-1/16" gauge socket. Now you can determine your battery(s) condition from anywhere on the vessel or vehicle with multiple Displays, or simply add the optional Bluetooth® Smartphone App to keep information in your pocket!

ORDER NO.	Mfr. No.	Description	Explanation / Includes
002-200000	SG200	Battery Monitor Kit, 12V-48V	Standard Unit for Initial Purchase: Includes Colour Display, SmartShunt, SmartLink Com Cable
002-210000	SG210	Battery Monitor Kit, 12V-48V	Includes Colour Display, SmartShunt, SmartLink Com Cable, Bluetooth® Gateway NEW!
002-020100	SG2-0100	SmartShunt, SG200, 350A, 12V-48V	Add a SmartShunt for Additional Bank: Includes SmartShunt and SmartLink Com Cable
002-020200	SG2-0200	Color Display, SG200, 2 1/16	Add a Colour Display to an existing SmartLink Network
002-020300	SG2-0300	Gateway, SG200, Bluetooth®	Optional 39 Bluetooth® Gateway for Smartphone App
002-020400	SG2-0400	Com Cable, SG200, 10m	Optional SmartLink Com Cable (10 meter) for Longer Cable Runs

ALTERNATORS

BALMAR
WWW.BALMAR.NET
DC CHARGING SOLUTIONS

- Balmar's Top Selling Alternator Line
- 70A, 100A, 120A and 150A Versions
- Patented Smart Ready® Technology
- Dual Fan Cooling
- High Airflow Frame
- Maximum RPM: 12,000
- USCG Title 33, ISO, SAE and CE Compliant
- Ideal for Modest Charging Upgrades

6-SERIES ALTERNATORS
Designed for Recreational Applications

6-Series Output	Power Take Off	Mounting[3]	Description	ORDER NO.	Mfr. No.
70 A	2.8 HP	1-2" Spindle - SF	Individual Alternator	002-621070	621-70-SV
		3-15" Saddle - DF	Individual Alternator	002-60070	60-70-SV
		1-2" Spindle - SF	Alternator Kit with Regulator & Temp. Sensors	002-621070K	621-VUP-70-SV
		3-15" Saddle - DF	Alternator Kit with Regulator & Temp. Sensors	002-60070K	60-YP-70-SV
100 A	4.0 HP	1-2" Spindle - SF	Individual Alternator	002-621100	621-100-SV
		3-15" Saddle - DF	Individual Alternator	002–60100	60-100-SV
		1-2" Spindle - SF	Alternator Kit with Regulator & Temp. Sensors	002-621100K	621-VUP-100-SV
		3-15" Saddle - DF	Alternator Kit with Regulator & Temp. Sensors	002-60100K	60-YP-100-SV

SF = Single Foot DF = Dual Foot SV = 1/2" Single Vee

XT-SERIES ALTERNATORS
Designed for Recreational Applications

- 170A in a Small Case Package • Up to 140A at Idle Speeds
- Dual Fan Cooling, High Airflow Frame
- Ideal for Large Battery Banks
- USCG Title 33, ISO 8846 and SAE J1171 Certified

The New XT-Series Alternators from Balmar brings the latest innovations in alternator design to deliver incredible charging power in a compact, Marine-friendly package.

The New XT-Series Alternator family features a state-of-the-art, braided stator wire design to generate exceptional output in the smallest possible area. The XT-Series produces slightly more power than our previous AT-Series 165A design and operates 5º-10ºC cooler. In addition, we've added Balmar's Smart Ready® internal regulator technology to provide an additional level of fault tolerance for cruising boaters. Available XT-Series mounting styles have also expanded to include the "Vortec" 9Si design found on many GM gasoline engines.

XT-Series Alternators may require a Tachometer Signal Stabilizer (Part No. 15-TSS) if your current tach is not adjustable. XT-Series should only be used in Dual Vee or Multi-Groove Serpentine belt configurations. Balmar's growing range of AltMount® Serpentine Pulley Conversion Kits support all XT-Series Alternators.

Braided Stator

XT-Series Output	Power Take Off	Mounting	ORDER NO.	Individual Alternator Part Number(2)(3)	ORDER NO.	Alternator Kit with Max Charge Regulator(1)	AltMount® Pulley Kit Required?
170 A	5.2 HP	1-2☐ Single Foot (Spindle)	002-117000	XT-SF-170-DV	002-117000K	XT-SF-170-DV-KIT	Yes If a Dual Vee or Serpentine Pulley is Not Already Present
			002-117006	XT-SF-170-K6	002-117006K	XT-SF-170-K6-KIT	
			002-117010	XT-SF-170-J10	002-117010K	XT-SF-170-J10-KIT	
		3.15☐ Dual Foot (Saddle)	002-017000	XT-DF-170-DV	002-017000K	XT-DF-170-DV-KIT	
			002-017006	XT-DF-170-K6	002-017006K	XT-DF-170-K6-KIT	
			002-017010	XT-DF-170-J10	002-017010K	XT-DF-170-J10-KIT	
		Vortex	002-317006	XT-VT-170-K6	002-317006K	XT-VT-170-K6-KIT	

(1) Kit includes XT-Series Alternator, Max Charge Regulator (MC-614-H) and Temperature Sensors (MC-TS-A, MC-TS-B).
(2) The XT-Series Alternator may require a Tachometer Signal Stabilizer (15-TSS) if your current tachometer is not adjustable. (3) All Dual Foot Yanmar Kits include the 6-0020 Mounting Kit
Pulley Designations: DV = 1/2" Dual Vee, K6 = K6 Serpentine, J10 = J10 Serpentine

ARS-5 VOLTAGE REGULATOR

- 5 Selectable charging programs
- Alternator & battery temperature sensing
- Alpha-numeric LED display
- Fully potted circuitry
- Appropriate for 6-Series Alternators (150A and below)

While it carries the same smart charging profiles of the premium Max Charge regulator, the ARS-5 features programming limited to two simple elements; battery type and drive belt to alternator output ratio. The bright, easy-to-read LED display monitors basic, or in-depth operational data. Alternator and battery temperature sensing (optional sensors MC-TS-A and MC-TS-B, are required) adds even greater functionality.

Description	ORDER NO.	Mfr. No.
Regulator, ARS Multi-Stage, 12V, with Harness	002-00005	ARS-5-H

VOLTAGE REGULATOR - Integration with the SG200 Battery Monitor

- Monitor Alternator/Regulator Activity from the SG200
- Setup Regulator from 2" Color Display or the Balmar App
- Advanced Programming from the Smartphone App
- All the Same Regulation Features as the MC-614
- New Carbon Foam Battery Profile
- Improved High Temperature Alternator Control
- Protects Lithium Batteries Below Freezing Temperatures

Balmar has upgraded its legendary MC-614 Voltage Regulator to communicate with the SG200 Battery Monitor! Now you can see how the New MC-618 Regulator is directing your onboard charging activity from either the SG200 2" Color Display and/or the optional Bluetooth® Smartphone App. Basic setup functions can be accomplished from the SG200 Color Display, Balmar App or the traditional on regulator programming tool. Advanced Programming functions are available from the Balmar App. Balmar customers have been asking for years to view regulator information from outside the engine compartment. Balmar has accomplised this goal without the need for a separate, dedicated display device.

Description	ORDER NO.	Mfr. No.
Regulator, MC618 Multi Stage 12V, w/Harness	002-06180	MC-618-H

DIGITAL DUO CHARGE - For Multi Bank Charging

- The DDC is a Solid State Battery Combiner
- Control Voltage and Current between House and Start Batteries
- Eliminates the Need for an Isolator, Relay or Manually Operated Battery Switch
- Used in Concert with Max Charge or ARS-5 Regulators
- Can also be used without a Balmar Regulator
- Works in both 12V and 24V applications
- Start Battery Temperature Sensing Available with the MC-TS-B Sensor Cable
- 4 Battery Programs Supported for the Start Battery:
- Standard Flooded, Deep Cycle Flooded, AGM and Gel Cell

The Digital Duo Charge ("DDC") provides a "hands off" solution for charging two battery banks without the use of problematic isolators or manual battery switches.

Description	ORDER NO.	Mfr. No.
Digital Duo Charge, 12/24V, w/Wires	002-41224	DDC-12/24

For more information see: www.balmar.net

BALMAR WWW.BALMAR.NET DC CHARGING SOLUTIONS

CENTERFIELDER II

For Balanced Twin Engine Charging

- Eliminates Alternator Chatter by Unifying Field Current
- For Use with Max Charge Regulators Only
- Works in Both 12V and 24V Applications
- Includes Upgraded Regulator Power Wires and Fusing
- Isolates Alternators and Regulators when only One Engine is Running
- Can be Used with the Digital Duo Charge to charge a Second Battery

The **Centerfielder II**, when used with Max Charge Regulators, balances twin engine charging systems by monitoring the port and starboard voltage regulators. When both alternators and regulators are working, the **Centerfielder II** automatically designates the starboard regulator as dominant for both alternators – making it possible to charge a single house battery bank with the combined output of both alternators.

The **Centerfielder II** eliminates the "yo-yo effect" of two regulators repeatedlyturning on and off as the battery approaches target voltage because the two systems are not working in concert.

Description	ORDER NO.	Mfr. No.
Centerfielder II, 12V/24V with wires	002-12400-CF	CFII-12/24

SMARTGAUGE™ BATTERY MONITOR

Balmar's new Smartgauge™ Battery Management System provides at-a-glance information, so you can enjoy accurate and reliable updates on the condition of your batteries. Based on years of experienced engineering and rigorous, independent testing, the Smartgauge delivers dependable data even as your batteries experience extended use and cycling. Easy to install, and just as easy to program, the Smartgauge™ takes much of the mystery out of battery monitoring; just select the program that matches your battery type, and the Smartgauge™ automatically configures monitoring to your electrical system. Because of its proprietary computer modeling and battery testing techniques, the Smartgauge™ remains accurate without need for re-synchronization. The bright LED display and simple controls provide a user interface that's intuitive and understandable, even for the most inexperienced crew member.

Smartgauge™ is equipped with low and high voltage and low charge state alarm outputs which can be used to activate audible or visual alerts (buzzers or lamps). The Smartgauge™ can be used in 12-volt or 24-volt charging systems.

Voltage Range:	8-40VDC
Temperature Range:	-25° to 85°C
Current Draw (Sleep/On):	5mA/<15mA
Battery Programs For:	Gel, AGM, Std. Flooded, Deep Cycle Flooded, Sealed Maintenance Free, Lead Acid Hybrid
Dimensions:	4.3"W x 3.0"H x 1.1"D

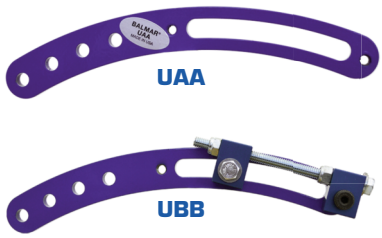
Description	ORDER NO.	Mfr. No.
Smartgauge Battery Monitor, 12/24V	002-44000	44-SG-12/24

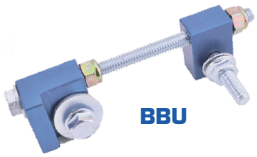
TEMPERATURE SENSOR CABLES

Description	ORDER NO.	Mfr. No.
Temperature Sensor, Alternator 54in. Length	002-13054	MC-TS-A
Temperature Sensor, Battery 20ft. Length	002-13020	MC-TS-B

Required to provide maximum protection for your alternator and battery when using Balmar's Max Charge 612 / 624, ARS-5 Regulators or Digital Duo Charge.

BELT BUDDY UNIVERSAL ADJUSTMENT ARM

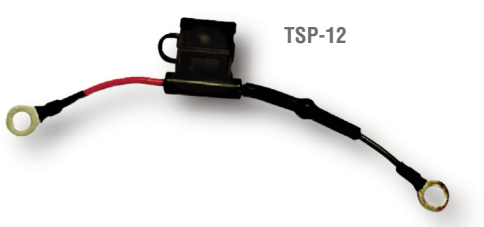




Description	ORDER NO.	Mfr. No.
Universal Adjustment Arm	002-21011	UAA
Belt Buddy, w/UAA Universal Adjustment Arm	002-21022	UBB
Universal Belt Buddy, w/o Adjustment Arm	002-02221	BBU

Reduce your installation time! Many installers rely on the Belt Buddy Universal Adjustment Arm for alternator installations and belt tensioning. Precision cut and powder coated for protection from corrosion, the Belt Buddy can be purchased as a kit or by individual component.

TRANSIENT SPIKE PROTECTOR



The TSP responds to potentially damaging power spikes by creating a pathway to ground, increasing the chance of protecting your alternator's diodes from catastrophic failure. Color-coded wiring ensures proper installation.

Description	ORDER NO.	Mfr. No.
Spike Ground Protector, 12v Only	002-20012	TSP-12
Spike Ground Protector, 24v Only	002-20024	TSP-24

ALTERNATOR PULLEY

Balmar pulleys are anodized steel, unless otherwise noted.

Description	ORDER NO.	Mfr. No.
Pulley, K-6 2.5" (Serpentine), 17mm Bore, Short Shaft	002-17006	17-AT-K-6

EST. 1960 ARCO MARINE

NEW!

Yamaha Outboard Starter
Yamaha 2004 - Up 150 HP,
4-Stroke, 2005 - Up 250 HP,
4-Stroke, 2006 - Up 225 HP,
4-Stroke, 13-tooth drive gear.

ORDER NO. 850-3433 Mfr. No. 3433

BRP / OMC Outboard Starter
BRP-OMC, 85-140 HP V4,
Small 10-tooth drive gear

Replaces Sierra P/N 18-5634

ORDER NO. 850-5372 Mfr. No. 5372

Mercury Outboard Starter
Mercury / Mariner,
50-90 HP / 65 HP Jet,
10-tooth drive gear

Replaces Sierra P/N 18-5606

ORDER NO. 850-5375 Mfr. No. 5375

Mercury Outboard Starter
Mercury / Marine,
135-200 HP V6, 105 HP Jet,
8-tooth drive gear

Replaces Sierra P/N 18-5608

ORDER NO. 850-5380 Mfr. No. 5380

Chrysler Force Outboard Starter
Chrysler / Force, 70-150 HP,
9-tooth drive gear.

Replaces Sierra P/N 18-5613

ORDER NO. 850-5393 Mfr. No. 5393

Yamaha Tilt Trim Motor
Yamaha 1997- Up 115 HP
2000- Up 115 HP 4-Stroke
1997-2000 130 HP
1997- Up 150-200 HP
1998- Up 225 HP
2-wire connection, bolt mount,
ring terminal ends, includes O-ring

Replaces Sierra P/N 18-6783

ORDER NO. 850-6240 Mfr. No. 6240

Mercury Tilt Trim Motor
Mercury 135, 150 XR6, Magnum lll,
175, 200, 225, 250 HP,
105-140 HP Jet,
2-wire connection, 2-bolt mount,
Includes O-ring, flat-blade shaft, bullet
connector terminal ends

Replaces Sierra P/N 18-6773

ORDER NO. 850-6250 Mfr. No. 6250

Yamaha Tilt Trim Motor
Yamaha 2005 - Up 75 HP
4-Stroke
2005 - Up 90 HP 4-Stroke,
2-wire connection, 4-bolt mount,
Includes O-ring & coupler,
ring terminal ends

ORDER NO. 850-6258 Mfr. No. 6258

NEW!

Yamaha Tilt Trim Motor
Yamaha 2002-2009
200, 225, 250 HP 4-Stroke,
2002-2009 200-300 HP 2-Stroke,
2-wire connection, 3-bolt mount,
Includes O-ring, Ring Terminal Ends.

Replaces Sierra P/N 18-6798

ORDER NO. 850-6263 Mfr. No. 6263

Mercury Tilt Trim Motor
Mercury /Mariner,
FORCE 40-125 HP outboards
w/single ram, 2-wire connection,
4-bolt mount, hollow-hex shaft,
(Motor/Reservoir Only)

Replaces Sierra P/N 18-6777

ORDER NO. 850-6276 Mfr. No. 6276

Mercruiser Alternator
Mercruiser 4.3L-6.2L,
12 Volt, 70 AMP,
Internal fan, 50-mm multi-groove
serpentine pulley included

Replaces Sierra P/N 18-6298

ORDER NO. 850-20815 Mfr. No. 20815

Mercruiser Alternator
1.5l & 3.0L Mercury Outboard,
12 Volt, 50 AMP,
Internal fan, multi-groove
serpentine pulley included,
includes wire/plug connector
Replaces Sierra P/N 18-6455

ORDER NO. 850-20850 Mfr. No. 20850

Mercruiser Inboard Starter
Mercruiser, Volvo Penta, OMC,
Marine Power and others. All GM
engines with 14" flywheel using a
staggered bolt pattern

Replaces Sierra P/N 18-6275

ORDER NO. 850-30433 Mfr. No. 30433

Mercruiser Inboard Starter
Mercruiser, Pleasurecraft,
Crusader, Marine Power and
more. Clockwise rotation

Replaces Sierra P/N 18-5907

ORDER NO. 850-30456 Mfr. No. 30456

Mercruiser Inboard Starter
Mercruiser, Volvo Penta,
OMC, Yamaha and others.
12 3/4" flywheel.
Clockwise Rotation

Replaces Sierra P/N 18-5911

ORDER NO. 850-30460 Mfr. No. 30460

Mercruiser Inboard Starter
Mercruiser, Volvo Penta, OMC,
Marine Power and others.
Will replace 9 tooth drive OEM
versions 3.0 - 8.1L with 14" flywheel

*Replaces Sierra P/N 18-6275,
18-5913, 18-5905, 18-5910,
18-6946*

ORDER NO. 850-30470-A Mfr. No. 30470-A

EST. 1960 ARCO MARINE

Ford Inboard Starter
302, 351 FORDS

Replaces Sierra P/N 18-5903

ORDER NO. 850-70200
Mfr. No. 70200

NEW!

Volvo Penta Alternator
Volvo Penta, 12 Volt, 75 Amp,
50-mm multi-groove.
Serpentine pulley included

Replaces Sierra P/N 18-5882

ORDER NO. 850-60073
Mfr. No. 60073

Mercruiser Alternator
Late model Mercruiser, 12 Volt,
55 Amp, Internal regulator.
2-inch mounting foot,
Single groove pulley included.

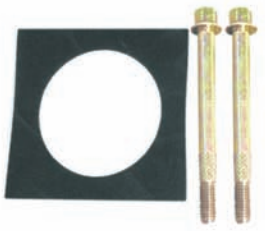
Replaces Sierra P/N 18-5957
ORDER NO. 850-60050
Mfr. No. 60050

OMC Alternator
O.M.C. Cobra. Replaces:
Prestolite/Motorola, 12 Volt,
55 Amp, internal regulator,
negative ground, 2-inch mounting
foot, single groove pulley included

Replaces Sierra P/N 18-6260
ORDER NO. 850-60125
Mfr. No. 60125

Mercruiser Reservoir Kit
Replaces Mercruiser.
Includes reservoir, cap,
O-rings, mounting screws.

Replaces Sierra P/N 18-6771
ORDER NO. 850-M525
Mfr. No. M525



Starter Bolt Kit
30470 starter,
2 long mounting bolts,
3/8"-16 N.C. threads

ORDER NO. 850-MBK450
Mfr. No. MBK450

Relay
BRP-OMC.
12 Volt, 30 Amp

Replaces Sierra P/N 18-5705

ORDER NO. 850-R473
Mfr. No. R473

Relay
EVINRUDE E-TEC.
O/B Tilt /Trim Relay

ORDER NO. 850-R767
Mfr. No. R767

NEW!

Relay
Yamaha Outboard
Tilt/Trim Relay

ORDER NO. 850-R950
Mfr. No. R950

Relay
Yamaha Outboard
Tilt/Trim Relay

ORDER NO. 850-R951
Mfr. No. R951

Solenoid
Mercruiser, Mercury,
Isolated base, 12 Volt

Replaces Sierra P/N 18-5816

ORDER NO. 850-SW054
Mfr. No. SW054

Solenoid
Mercruiser, Mercury,
Isolated base, 12 Volt.

Replaces Sierra P/N 18-5817

ORDER NO. 850-SW058
Mfr. No. SW058

Solenoid
BRP-OMC,
Isolated base, 12 Volt

Replaces Sierra P/N 18-5808

ORDER NO. 850-SW622
Mfr. No. SW622

Solenoid
Mercury /Force,
Isolated base, 12 Volt.

Replaces Sierra P/N 18-5834

ORDER NO. 850-SW109
Mfr. No. SW109

EST. 1960 ARCO MARINE

REPUTATION DELIVERED IN EVERY PRODUCT

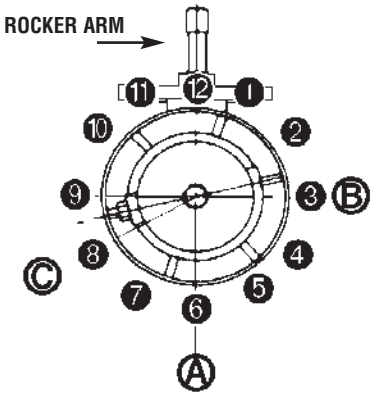
» INDUSTRY LEADERS in Marine Engine Replacement Parts

» AMERICAN MANUFACTURER and Supplier of Superior Products

» QUALITY IS OUR LEGACY For Over 60 Years

FUEL PUMP APPLICATIONS

Many fuel pumps are often used on similar engines. In order to identify the correct fuel pump for your application, it is necessary to determine the position of the inlet, outlet and separator fitting (where applicable) in relation to the rocker arm. The angle between the rocker arm and the fuel inlet is expressed in terms of clock position. Place pump with rocker arm in the 12 o'clock position. The rocker arm must be held behind the fuel pump body. (The bottom of the fuel pump body must face you.) Observe the relationship of the fuel inlet to the rocker arm. This position is the clock position of the pump. Examples of this in the outline drawing below show that if the fuel inlet is at position "A", it is considered a 6 o'clock pump, if at position "B" a 3 o'clock pump, and at position "C" an 8 o'clock pump.



AC STYLE FUEL PUMPS

ENGINE	APPLICATION	FLANGE I.D.#	INLET	OUTLET	CLOCK POSITION SEPARATOR	ORDER NO.
Engines Manufactured Before February 1, 1979						
GM153,230,250,292, (4&6 cyl)	Crusader, Mercruiser,OMC	6790	8	4	–	018-72560
GM-V-8,283,307,327,350,409	Chris-Craft, Owens, Universal,Crusader	40155	9	3	10	018-72600
Engines Manufactured After January 31,1979						
Chrysler V-8 318,360	Chrysler	6766	4	8	4	018-72540
Chrysler V-8 361,400,413,440	Chrysler	6767	4	8	4	018-72550
GM V-8 305,350,400	Mercruiser, OMC, Chris-Craft	41412	9	3	9	018-72650
Ford V-8 302,351w	Ford, Mercruiser, Commander	41413	5	4	4	018-72660
Ford V-8 302, 351w	OMC, Mercruiser, Pleasurecraft, Thermo-Electron	41414	7	5	4	018-72670
GM V-8 305,307,350,400	Harman, OMC, Thermo-Electron (5.25-6.5 PSI)	41415	7	5	8	018-72680*
GM V-8 305,350,400	Thermo-Electron (5.75-7PSI)	41417	7	5	8	018-72700
GM V-8 454	Thermo-Electron	41418	3	9	8	018-72710
GM V-8 283,305,350,400	Chris-Craft,Crusader,Hardin, Thermo-Electron (5.75-6.5 PSI)	41419	3	9	8	018-72720
GM V-8 305,350,400	Mercruiser	41421	10	9	7	018-72740
GM V-8 454	Hawk, Mercruiser	41422	9	3	7	018-72750

***018-72680 - Dual diaphragm requires sight glass**

CARTER STYLE FUEL PUMPS

ENGINE	APPLICATION	FLANGE I.D.#	INLET	OUTLET	SIGHT TUBE SEPARATOR	ORDER NO.
GM (4 & 6 cyl) 153,181,250,224,225	Chris-Craft, Indmar, Marine Power, Mercruiser, OMC	60032	8	4	3	018-72780
GM V-8 454	Mercruiser	60601	9	3	3	018-72881
GM V-8 305,350	Volvo Penta	61125/6973	9	11	9	018-72810
For inline (4cyl) 120, 140, 3.0L, 224 CID	Mercruiser	60337	8	3	8	018-72820
GM V-6 262/4.36	OMC	60201	2	4	9	018-72890
GM V-8 305,350	Mercruiser, Panther	60600	10	9	4	018-72830
GM V-6 231,262	Hardin, Mercruiser	60315	8	3	8	018-72840
XP Stamped Steel Pump	Volvo Penta AQ120B (spec# 867465) AQ125A/B, AQ131A/B/C/D, AQ140A (spec# 867464), BB140A, AQ145A, BB145A, AQ151A/B/C, AQ171A/C AQ230A/B, AQ250A/B, AQ251A	60029	3	6	11	018-72860

Sierra
Marine Engine and Drive Parts

018-72600
(Flange I.D. #40155, M3120)
For: GM (V-8) 283, 307, 327, 350, 409

018-72540
Replaces: Chrysler 3745414

018-72550
Replaces: Chrysler 3745415

018-72560
Replaces: Mercruiser 32722, Crusader 32722

018-72650
Replaces: Chris-Craft
16.83-08758, FI8308762

018-72660
Replaces: Ford DJL 9350A

018-72670
Replaces: Mercruiser 62092,
62092T OMC 982063

018-72680
Replaces: OMC 981650,
Volvo 3855276, Dual Diaphragm
Requires Sight Glass

018-72700
Replaces: Crusader 21140

018-72710
Replaces: Crusader 21141

018-72720
Replaces: Crusader 97039

018-72740
Replaces: Mercruiser 86246,
86246T, OMC 509409

018-72750
Replaces: Mercruiser 86247,
86247T, OMC 509410

018-72780
Replaces: Mercruiser 86234A4,
86234A05, OMC 985602, 985603,
982240, 509395

018-72810
Replaces: Volvo 826493

018-72820
Replaces: Mercruiser 42725A3,
OMC 509407

018-72830
Replaces: Mercruiser
97401A2, 97401A8, 861678A1,
OMC 509404

018-72840
Replaces: Mercruiser 41141A2, 860277A1,
OMC 509408

018-73360
Replaces: Mercury
888733T02, 888733T1

018-73380
Replaces: Mercury
880596T55

018-73460
Replaces: Mercury
880596T58

All Sierra Fuel Pumps include Mounting Gasket

For more information see: www.catalog.sierraparts.com

FUEL PUMPS

018-72860
Replaces: Volvo 841161

018-72881
Replaces: Mercruiser 812454A1, 862048A1

018-72890
Replaces: OMC 982997

018-73260
Electric Fuel Pump
Replaces: Mercruiser 805656A2
OMC/Volvo 3858261, 3850809, 3854620, 3857986

018-73300
Electric Fuel Pump
Replaces: OMC/Volvo 3857650, 3855958, 988037, 3854280

018-73310
Electric Fuel Pump
Replaces: OMC/Volvo 3858714, 3850810, 3857985

018-73320
Electric Fuel Pump
Includes bracket and mounting hardware
43 GPH – 7 PSI Max. – 1/4 NPSF
for 3/8 hose – operates with both gasoline and diesel fuel – 24 Volt only

018-73330
Electric Fuel Pump
UNIVERSAL 12V, 72GPH at 5.75 PSI,
1/4" NPSF for 3/8" hose, for use with gasoline and diesel fuel.

418-354331
Electric Fuel Pump
Replaces: Mercury Stern Drive
807949A1, 861156A1

YEAR	ENGINE	APPLICATION	OE #	#'s SUPERCEDED FROM	ORDER NO.
		MERCRUISER			
1996	262/4.3L	Low Pressure Supply Pump For F.I. System	805656A2		018-73260
1996	262/4.3L	Carbureted w/Electric Pump - Low PSI	805656A2		018-73260
1992-93	262/4.3L	Carbureted w/Electric Pump - Low PSI	805656A2		018-73260
		OMC			
1992-94	262/4.3L	Low Pressure	3858261	385,080,938,508,103,000,000	018-73260
1997-98	350/5.7L, 454/7.4L, & 502/8.2L	Engines w/MPI - High Pressure	3857650		018-73300
1996	454/7.4L & 502/8.2L	Engines w/MPI - High Pressure	3857650		018-73300
1993-94	4.3L THRU 5.8L	Low Pressure Electric Fuel Pump	3858261	3850809	018-73260
1992-94	454/7.4L & 502/8.2L	GM Mark V Eng.- Low Pressure	3858714	3850810, 3857985	018-73310
		VOLVO-PENTA			
1994-99	262/4.3L (HU-WT)	High Pressure Pump	3857650		018-73300
1994-99	262/4.3L GL/GS (All)	Carbureted - Low Pressure	3858261	3850809	018-73260
1994-99	262/4.3L GI (HU-WT)	W. Electric Pump - Low Pressure	3858261	3850809	018-73260
1994-99	454/7.4L & 502/8.2L (HU-WT)	Low Pressure System	3858714	3850810, 3857985	018-73310
1993-99	350/5.7L, 454/7.4L, & 502/8.2L	Engines w/MPI - High Pressure	3857650		018-73300
1996-99	454/7.4L & 502/8.2L (HU-WT)	Engines w/MPI - High Pressure	3857650		018-73300
1994-99	5.0L thru 5.8L	Low Pressure Electric Fuel Pump	3858261	3850809	018-73260
1994-99	454/7.4L & 502/8.2L (HU-WT)	GM Mark V Eng - Low Pressure	3858714	3850810, 3857985	018-73310
1992-93	454/7.4L	GM Mark V Eng - Low Pressure	3858714	3850810, 3857985	018-73310

ALL SIERRA FUEL PUMPS INCLUDE MOUNTING GASKET

4 CYCLE OUTBOARD OIL FILTERS		
ORDER NO.	**Thread Specifications**	**Replaces**
018-77580	22mm x 1.5	Mercury 35-877761K01, 35-877761Q01
018-78960*	3/4" x 16NPT	Johnson/Evinrude 778886, 5033539; Suzuki 16510-61A20-MHL
018-78970*	3/4" x 16NPT	Johnson/Evinrude 778887, 5033919; Suzuki 16510-82703
918-79111*	20mm x 1.5	Honda 15400-PFB-007; Nissan 3R0076150M; Yamaha 5GH-13440-00-00
018-79090*	20mm x 1.5	Honda 15400-POH-305PE, 15400-POH-305, 15400-ZJ1-004, 15400-PLM-A01PE
018-79010		Mercury 825467A1, 825467T1; Yamaha 6G8-13440-00-00
018-79160*	3/4" x 16NPT	Johnson/Evinrude 434839
018-79130*	20mm x 1.5	Honda 15400-PFB-014; Mercury 35-822626Q1, Q03
018-79140*	20mm x 1.5	Mercury 35-822626Q2, 35-822626Q04, 35-877768K01, 35-822626K04, 35-822626T2, 35-8M0064104, 35-8M0008397
018-87030*		Mercury 35-8M0123025 NEW!
018-79151*	3/4" x 16NPT	Johnson/Evinrude 778885, 5031411; Suzuki 16510-87J00
018-79020*	20mm x 1.5	Yamaha 3FV-13440-00-00
018-79062*	3/4" x 16NPT	Yamaha 69J-13440-00-00; Mercury 35-822626T7, Q15
018-79030		Johnson/Evinrude 5033102, 763364; Suzuki 16510-05240
018-79051	20mm x 1.5	Suzuki 16510-96J00, Fits DF150-DF300

***Anti-Drain-Back Valve. Valve eliminates dry starts, prevents oil from draining back into crankcase during shutdown.**

DIESEL OIL FILTERS		
ORDER NO.	**Thread Specifications**	**Replaces**
018-78800		Caterpillar 1R-0658; Volvo-Penta 466634
018-78840*	3/4" x 16NPT	Universal 299381; Volvo-Penta 834337
018-79101	20mm x 1.5	Westerbeke, 30220; Yanmar 119660-35150, 124450-35100, 119305-35151
018-78860*	3/4" x 16NPT	Perkins 2654403
018-00330		Volvo 478736
018-00340		Volvo 477556
018-00350		Volvo 3582732
018-00360		Volvo 3582733
018-79600*		Volvo 861473 NEW!
018-79260*	1" x 12NPT	Volvo 423135, 4785974

***Anti-Drain-Back Valve. Valve eliminates dry starts, prevents oil from draining back into crankcase during shutdown.**

For more information see: www.catalog.sierraparts.com

ADJUSTABLE FILTER WRENCH

- Fits canister filters from 2-3/4" to 4" diameter
- Oversized handle for maximum torque
- Easy to use; compact size

ORDER NO. 402-89081
Mfr. No. 28908

For more information see: www.starbrite.com

OIL FILTER APPLICATIONS

018-80031

018-87020

STERNDRIVE & INBOARD OIL FILTERS

ORDER NO.	Thread Specifications	Replaces
018-78242* Short GM **Now fits catylyst engines**	13/16" x 16NPT	Chris-Craft 16.81-08746; Crusader 201104; Indmar 50-1001; Mercruiser 35-802885Q, 32716, 35-866340Q02, 35-866340Q03 Mercruiser Vazer; 52731, 52022, 32717, 14957; OMC 173232, 778864; Pleasurecraft R077002; Volvo-Penta 835440; Yamaha YSC-10231-20-0C
018-78750* Long Ford	3/4" x 16NPT	Chris-Craft 16.81-06536; Chrysler 1851658; Crusader 9002514; Mercruiser 60565, 35-802886Q; OMC 173231, 502900; Pleasurecraft R077001; Yamaha YSC-16231-20-0C
018-78761* Long GM	13/16" x 16NPT	Mercruiser 35-866340Q03, 35-866340Q02, 52731, 54111, 35-802885Q, 14957, 52022, 32717, 32716 OMC 173233, 502901: Volvo 3850559: Yamaha YSC-14231-20-0C
018-78781* Short Ford	3/4" x 16NPT	Chrysler 3549957, L-19, L-1008; Mercruiser 35-803470; OMC 502904; Volvo 430143, 1266286, 3517857
018-78791* V-6 GM	18mm x 1.5	Chrysler L-319; Mercruiser 35-802884Q, 41815, 35-883702Q, K; OMC 173834, 502903; Volvo 841750
018-79620*	NEW!	Volvo 3840525. Anti-Drain back valve. Fits: D1-30A, D2-40A, D2-55A, D2-55B, D2-55C, D2-75A
018-80031	NEW!	Volvo 8692305, Indmar 501022S
018-87010*	NEW!	Volvo 861476. Anti-Drain back valve. Fits: MD22A, L-A, TMD22
018-87020*	NEW!	Volvo 30788490. Anti-Drain back valve. High-Efficiency filter media that meets or exceeds the OE's filtration. Backed by Sierra's Industry Leading Warranty. Field tested and approved. New O-Ring seal included Fits: D3-110I-G, D3-140A-G, D3-140I-G, D3-150I-G, D3-170A-G, D3-170I-G, D3-200A-G, D3-200I-G, D3-220A-G, D3-220I-G, D3-110I-H, D3-140I-H, D3-150I-H, D3-170I-H, D3-200I-H, D3-220I-H, D3-140A-H, D3-170A-H, D3-200A-H, D3-220A-H, D3-110I-D, D3-110I-E, D3-110I-F, D3-140I-E, D3-140I-F, D3-140A-D, D3-140A-E, D3-140A-F, D3-150I-D, D3-150I-E, D3-150I-F, D3-170I-D, D3-170I-E, D3-170I-F, D3-170A-D, D3-170A-E, D3-170A-F, D3-200I-D, D3-200I-E, D3-200I-F, D3-200A-D, D3-200A-E, D3-200A-F, D3-220I-D, D3-220I-E, D3-220I-F, D3-220A-D, D3-220A-E, D3-220A-F, D3-140I-D

***Anti-Drain-Back Valve. Valve eliminates dry starts, prevents oil from draining back into crankcase during shutdown.**

@ Have a Technical Question?

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email: techsupport@ccmarine.ca

For more information see:
www.catalog.sierraparts.com

Sierra
Marine Engine and Drive Parts

NEW!

TURBINE SERIES - REPLACEMENT RACOR STYLE CARTRIDGE FILTERS				
ORDER NO.	Mfr. No.	Description	OEM Part No.	Micron
918-99186	18-99186	Fuel Cartridge - **500 Series**	2010SM-OR	**2**
918-99182	18-99182	Fuel Cartridge - **500 Series**	2010TM-OR	**10**
918-99183	18-99183	Fuel Cartridge - **500 Series**	2010PM-OR	**30**
918-99191	18-99191	Fuel Cartridge - **900 Series**	2040N-02	**2**
918-99185	18-99185	Fuel Cartridge - **900 Series**	2040N-10	**10**
918-99184	18-99184	Fuel Cartridge - **900 Series**	2040N-30	**30**
918-99187	18-99187	Fuel Cartridge - **1000 Series**	2020N-02	**2**
918-99181	18-99181	Fuel Cartridge - **1000 Series**	2020N-10	**10**
918-99180	18-99180	Fuel Cartridge - **1000 Series**	2020N-30	**30**

NEW!

SPIN - ON FILTERS - REPLACEMENT RACOR STYLE SPIN - ON FILTERS				
ORDER NO.	Mfr. No.	Description	OEM Part No.	Micron
918-99194	18-99194	Fuel Cartridge - **120**	R12S	**2**
918-99193	18-99193	Fuel Cartridge - **120**	R12T	**10**
918-99199	18-99199	Fuel Cartridge - **120**	R12P	**30**
918-99196*	18-99196	Fuel Cartridge - **230**	R20S	**2**
918-99200*	18-99200	Fuel Cartridge - **230**	R20P	**30**

* Re-designed with an inner thread seal to prevent cross contamination of harsh particles entering clean fuel.

NEW!

REPLACEMENT BOWLS			
ORDER NO.	Mfr. No.	Description	Replaces
918-99201	18-99201	1000, VMA, FV120 Aquaview Clear Bowl Mini 2 Port **Replacement bowl for R12T, R12S, R121P, 18-99193, 18-99194, 18-99199**	RK10215
918-99202	18-99202	230 Series Aquaview Clear Bowl 2 Port - **Replacement bowl 18-99196, 18-99200**	RK22350-02
918-99203	18-99203	230 Series Metal Bowl - **Replacement bowl for 18-99196, 18-99200**	RK22368

DIESEL TURBINE SERIES

THE INSIDE STORY

As fuel enters, it moves past the internal check valve then through the turbine centrifuge where it flows in a spiraling direction, spinning off large particulates and water droplets. Being heavier than fuel, they fall to the bottom of the collection bowl.
Smaller water droplets bead-up along and on the sides of the internal components and on the surface of the Aquabloc® element. When heavy enough, they too fall into the high-capacity bowl to be drained as needed.
Besides repelling water and tiny solids, asphaltenes, algae and rust are filtered from fuel by the Aquabloc® element.
Because Aquabloc® elements are waterproof, they remain effective longer.

- T- handle for easy element service
- Rugged, die-cast aluminium construction
- Sheilded, see-thru bowls

500 MA10 | 900 MA10 | 1000 MA10 | 75500 MAX10 | 500FG10-10 Micron, 500FG2-2 Micron

FILTER ASSEMBLIES						
MARINE APPLICATIONS					NON-MARINE	NON-MARINE
ORDER NO.	209-500MA10	209-900MA10	209-1000MA10	209-75500-10	209-500FG10	209-500FG2
Model	**500 MA10**	**900 MA10**	**1000 MA10**	**75500 MAX10**	**500FG10**	**500FG2**
Maximum	60 gph	90 gph	180 gph	60/120 gph	60 gph	60 gph
Flow Rate	227 lph	341 lph	681 lph	227/454 lph	227 lph	227 lph
Height	11.5" / 292 mm	17" / 432 mm	22" / 559 mm	11.5" / 292 mm	11.5" / 292 mm	11.5" / 292 mm
Width	5.8" / 147 mm	6" / 152 mm	6" / 152 mm	14.5" / 368 mm	5.8" / 147 mm	5.8" / 147 mm
Depth	4.8" / 122 mm	7 " / 178 mm	7" / 178 mm	9.5 " / 241 mm	4.8" / 122 mm	4.8" / 122 mm
Weight	4 lbs / 2 Kg	6 lbs / 3 Kg	10 lbs / 5 Kg	17 lbs / 7.7 Kg	4 lbs / 1.7 Kg	4 lbs / 1.7 Kg
Port Size Std.	3/4" - 16 SAE	7/8" - 14 SAE	7/8" - 14 SAE	3/4 - 16 SAE	3/4 - 16 SAE	3/4 - 16 SAE
Clean Pressure	0.3 psi	0.34 psi	0.49 psi	0.70 psi	0.25 psi	0.25 psi
Drop	1.7 kPa	2.4 kPa	3.4 kPa	4.83 kPa	1.72 kPa	1.72 kPa
Maximum	15 psi	15 psi	15 psi	15 psi	15 psi	15 psi
Operating Pres.	103 kPa	103 kPa	103 kPa	103 kPa	103 kPa	103 kPa
Element #	2010TM-OR	2040N-10	2020N-10	2010TM-OR	2010TM-OR	2010SM-OR
Element Rmvl. Clearance	4" / 102 mm	5" / 127 mm	10" / 254 mm	4" / 102 mm	4" / 102 mm	4" / 102 mm

AQUABLOC® ELEMENTS

Besides removing asphaltenes, water, gums, and varnishes, Aquabloc® elements filter tiny particles of dirt and algae from fuel. Aquabloc® elements are rustproof - with polymer end-caps that won't ever corrode. With an Aquabloc® replacement element, you get a complete kit with all the seals you need. And not just any seals, but specially-formulated, Racor-engineered seals.

- End caps are colour-coded: - Brown for 2 micron secondary - Blue for 10 micron primary/secondary - Red for 30 micron primary
- Handles for easy servicing. • Racor Filter elements include an emergency bypass.

For more information see: www.racornews.com

REPLACEMENT ELEMENTS				
ORDER NO.	Application	Mfr. No.	Micron Rating	Marine Rating
209-2000PMOR	200 FG	2000PM-OR	30 Micron	No
209-2000SMOR		2000SM-OR	2 Micron	No
209-2000TMOR		2000TM-OR	10 Micron	No
209-2010PMOR	500 MA, FG & FH and 75500 MAX	2010PM-OR	30 Micron	Yes
209-2010SMOR		2010SM-OR	2 Micron	Yes
209-2010TMOR		2010TM-OR	10 Micron	Yes
209-2020N-30	1000 MA, FG & FH and 751000 MAX	2020N-30	30 Micron	Yes
209-2020N-02		2020N-02	2 Micron	Yes
209-2020N-10		2020N-10	10 Micron	Yes
	900 MA , FG & FH and 75900 MAX			
209-2040N-02		2040N-02	2 Micron	Yes

TURBINE "V" SERIES SERVICE FILTERS

2020V/2040V fuel/water separator service filters for new Racor Turbine Series FV & VMA Assemblies

The Turbine service filters are designed for the new 900FV, 1000FV, 900VMA, & 1000VMA (marine application). The service filters are backward compatible with previous models.

Note: Old & current service filter part numbers will not work in the new FV & VMA housing. New part numbers are backward compatible with previous models.

Features & Benefits:

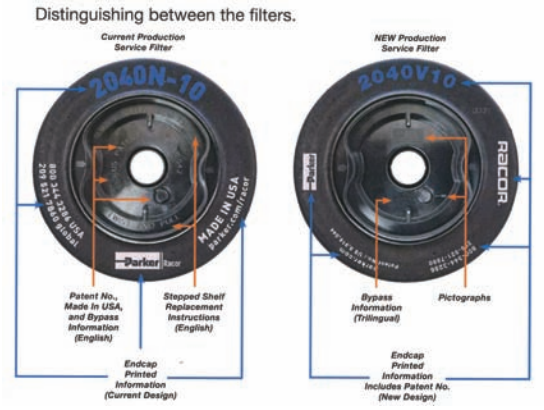
- Toolless, easy grip bail design for quick & comfortable service filter removal. Includes lid gasket & t-handle o-ring
- Aquabloc® Synergy media is designed for the best filtration to meet today's fuel challenges
- Manufacturered in the USA

NEW!

- Fits previous models of Racor Turbine housings including marine versions.

2020V & 2040V service filters are backward compatible for the following:

Assemblies	Models
900	FH, FG, FGM, FF, FE, MA & MAM
75900	FHX, FGX, FGM, MAX & MAXM
1000	FH, FG, FGM, FF, FE, MA & MAM
731000	FH, FG, FGM, MA & MAM
751000	FHX, FGX, FGM, MAX & MAXM
771000	FH, FG, FGM, MA, MAM
791000	FHV, FG, FGM, MAV & MAVM



ORDER NO.	*Old Model No.*	Application	Mfr. No.	Micron Rating	Marine Rating
209-2020V-30	*209-2020N-02*	R1000, VMA, FV	2020V30	30 Micron	Yes
209-2020V-10	*209-2020N-10*		2020V10	10 Micron	Yes
209-2020V-02	*209-2020N-30*		2020V2	2 Micron	Yes
209-2040V-30	*209-2020N-02*	R900, VMA, FV	2040V30	30 Micron	Yes
209-2040V-10	*209-2020N-10*		2040V10	10 Micron	Yes
209-2040V-02	*209-2020N-30*		2040V2	2 Micron	Yes

For more information see:
www.racornews.com

DIESEL SPIN-ON SERIES

COMPACT AND VERSATILE FILTRATION SYSTEMS FOR PROPULSION & GENSET APPLICATIONS

Metal bowls are reusable, impact resistant and virtually indestructable. Only the filter element is replaced. Bowls will not deteriorate from water collection, alcohol, blended fuels, exposure to harsh additives, salt spray or UV light. UL listed filters meet ABYC, ASTM, ISO and many other global standards for filters used in marine engine rooms.

209-00110A

209-120RMAM

209-0230RMAM

MARINE FILTER ASSEMBLY APPLICATIONS			
ORDER NO.	**209-00110A**	**209-120RMAM**	**209-0230RMAM**
Model	**110 A**	**120 RMAM2**	**230 RMAM**
Maximum	15 gph / 57 lph (diesel)	15 gph	30 gph
Flow Rate	35 gph / 133 lph (gas)	57 lph	114 lph
Height	6 " / 152 mm	5.7" / 145 mm	9" / 229 mm
Width	3.2" / 81 mm	3.2" / 81 mm	3.9" / 9.9 mm
Depth	3.3" / 83 mm	3.2" / 81 mm	4" / 102 mm
Weight	1.3 lbs / 0.59 Kg	1.4 lbs / 0.63 Kg	2 lbs / 0.90 Kg
Port Size	1/4"-18 NPTF	1/4"-18 NPTF	1/4"-18 NPTF
Clean Pressure Drop	0.15 psi	0.15 psi (0.01 bar)	0.30 psi (0.02 bar)
Drop	1.08 kPa	1.08 kPa	2.14 kPa
Maximum	100 psi	7 psi	30 psi
Operating Pressure	690 kPa	48 kPa	207 kPa
Element #	R11T	R12SUL	R20TUL
Primer Pump	No	Yes	Yes

REPLACEMENT ELEMENTS

AQUABLOC® ELEMENTS

RACOR AQUABLOC® ELEMENTS **Are available in 2-, 10-, and 30- Micron Ratings.**

(P) Red = 30-micron, Primary, **Good**. **(T)**Blue = 10-Micron, Primary, **Better**. **(S)**Brown = 2-micron, Primary or Secondary,

For more information see: www.racornews.com

ORDER NO.	Application	Mfr. No.	Micron Rating	Marine Rating
209-00011S	110A	R11S	2 Micron	Yes/ UL Listed
209-00011T	110A	R11T	10 Micron	Yes/ UL Listed
209-00012T	120A	R12T	10 Micron	No
209-00012S	120A	R12S	2 Micron	No
209-00012S-UL	120RMAM	R12S UL	2 Micron	Yes
209-00015P	215R	R15P	30 Micron	No
209-00015T	215R	R15T	10 Micron	No
209-00015T-UL	215RMAM	R15T UL	10 Micron	Yes
209-00015S	215R	R15S	2 Micron	No
209-00020S	230R	R20S	2 Micron	No
209-00020T	230R	R20T	10 Micron	No
209-00020T-UL	230R	R20TUL	10 Micron	Yes
209-00024P	220R	R24P	30 Micron	No
209-00024T	220R	R24T	10 Micron	No
209-00024S	220R	R24S	2 Micron	No
209-00025T	245R	R25T	10 Micron	No
209-00025S	245R	R25S	2 Micron	No
209-00026T	225R	R26T	10 Micron	No
209-00026S	225R	R26S	2 Micron	No
209-00045T	445R	R45T	10 Micron	No
209-00060P	400 & 600 Series	R60P	30 Micron	No
209-00060T	400 & 600 Series	R60T	10 Micron	No
209-00060S	400 & 600 Series	R60S	2 Micron	No
209-00090T	400 & 600 Series	R90T	10 Micron	No
209-03201T-UL	490MAM & 4120MAM	S3201T UL	10 Micron	Yes
209-03201P-UL	490MAM & 4120MAM	S3201P UL	30 Micron	Yes

DIESEL FUEL FILTER/WATER SEPARATOR

The Racor's fuel filter/water separators feature a variety of compact sizes to fit the most cramped engines. Most units feature 1/4"-18 NPTF inlet and outlet fuel ports and a unitized mounting bracket. If quality is what you want and filtration is what you need, than a Racor fuel filter/water separators are the answer. Experienced sailors trust their engines, their livelihood and even their lives to Racor. Shouldn't you?

ORDER NO.	209-00120AS	209-00120AT	209-00215R2	209-0230R10
Model	**120AS**	**120AT**	**215R**	**230R10**
Micron Rating	2	10	2	10
Max. Flow Rate	15 GPH (57 LPH)	15 GPH (57 LPH)	15 GPH (57 LPH)	30 GPH (114 LPH)
Replacement Filter	R12S	R12T	R15S	R20T
Dimensions	6.5"H x 3.2"W	6.5"H x 3.2"W	8.3"H x 4.0"W	9.0"H x 3.9"W

UPGRADE YOUR GASOLINE FILTER

CONVENIENT SPIN-ONS

Now, owners of inboard or outboard engines can get smoother operation and longer life—all in one easy spin, onto their existing engine filter heads. There's a choice of rugged, reusable clear bowls with self-venting drains (for outboard applications), or a metal bowl with drain plug (for inboard applications). Metal bowls are UL Listed and USCG accepted.

ORDER NO.	Mfr. No.	Description	Application
209-55100	PFF5510	Replaces Mercury, Mercruiser, Yamaha, Suzuki, Honda, and Tohatsu. 10 micron.	Inboard or Outboard
209-32020MAM	B32020MAM	Replaces quicksilver. Also fits: SMI, Sierra, Aquapower, and other filter heads (comes with a metal bowl–shown above). 10 micron.	Inboard or Outboard
209–03220T-UL	S3220TUL **	Replacement filter for B32020MAM. 10 micron.	Inboard or Outboard
209-32021MAM	B32021MAM	Replaces OMC. UL Recognized (comes with a metal bowl). 10 micron.	Inboard or Outboard
209-03221T-UL	S3221TUL	Replacement filter for B32021MAM. 10 micron.	Inboard or Outboard

**** Optional 2 micron filter (S3220SUL). ORD.NO. 209-03220S-UL**

ORDER NO.	Mfr. No.	Description	Application
209-32013	B32013	Replaces Quicksilver, Yamaha, Suzuki, SMI, Volvo Penta, Sierra,AquaPower, and other filter heads (comes with a clear bowl–shown above). 10 micron.	Outboard
209-03213	S3213	Replacement filter for B32013. 10 micron.	Outboard
209–32014	B32014	Replaces OMC (comes with a clear bowl). 10 micron.	Outboard
209-03214	S3214	Replacement filter for B32014. 10 micron.	Outboard

GASOLINE SPIN-ON SERIES

120R-RAC-01

320R-RAC-01

660R-RAC-01

120R-RAC-02

320R-RAC-02

660R-RAC-02

THE MOST COMPLETE PROTECTION ON THE WATER

Being on the water is fun, having water in your fuel is not. And more than ever today's high-performance gasoline inboard and outboard engines require clean, dry fuel. Racor filters offer the improved features and peace-of-mind that come with our quality fuel filter/water separators.

- **Clear contaminant collection bowl with drain valve for outboards only**
- **10 micron Aquabloc media.**
- **High capacity and long life.**
- **Rated 98% efficient at 10 micron per SAE test procedures.**
- **Corrosion-resistant construction.**
- **Metal bowl units for inboard powered boats meet 33 CFR and USCG regulations.**
- **Meets ABYC standard for gasoline-powered vessels**
- **New 2 micron option**

FILTER ASSEMBLIES						
	OUTBOARD SERIES			INBOARD SERIES		
ORDER NO.	**209-120RAC01**	**209-320RAC01**	**209-660RAC01**	**209-120RAC02**	**209-320RAC02**	**209-660RAC02**
Model	**120R-RAC-01**	**320R-RAC-01**	**660R-RAC-01**	**120R-RAC-02**	**320R-RAC-02**	**660R-RAC-02**
Maximum Flow Rate	30 gph 114 lph	60 gph 227 lph	90 gph 341 lph	30 gph 114 lph	60 gph 227 lph	90 gph 341 lph
Filter (10 micron)	S3240	S3227	S3232	S3240TUL	S3228TUL	S3232TUL
Opt. (2 micron)	N/A	S3228SUL	N/A	N/A	S3228SUL	N/A
Centre Threads	M18 x 1.5	1" - 14	1" - 14	M18 x 1.5	1" - 14	1" - 14
Port Size	1/4" - 18 NPTF	1/4" - 18 NPTF	3/8" - 18 NPTF	1/4" - 18 NPTF	1/4" - 18 NPTF	3/8" - 18 NPTF
Height	6.5" / 16.5 cm	9.4" / 23.9 cm	11.0" / 27.9 cm	6.0" / 15.2 cm	9.0" / 22.9 cm	10.5" / 26.7 cm
Width	3.2" / 8.1 cm	4.0" / 10.2 cm	4.2" / 10.7 cm	3.2" / 8.1 cm	4.0" / 10.2 cm	4.2" / 10.7 cm
Depth	3.2" / 8.1 cm	4.0" / 10.2 cm	4.5" / 11.4 cm	3.2" / 8.1 cm	4.0" / 10.2 cm	4.5" / 11.4 cm
Weight	1.1 lbs / 0.5 Kg	2.0 lbs / 0.9 Kg	3.0 lbs / 1.4 Kg	1.2 lbs / 0.5 Kg	2.0 lbs / 0.9 Kg	3.0 lbs / 1.4 Kg
Clean Pressure Drop	0.2 psi 0.01 bar	0.6 psi 0.04 bar	0.6 psi 0.01 bar	0.2 psi 0.04 bar	0.6 psi 0.04 bar	0.6 psi 0.04 bar
Maximum Operating Pres.	7.0 psi 0.5 bar	7.0 psi 0.5 bar	7.0 psi 0.5 bar	7.0 psi 0.5 bar	7.0 psi 0.5 bar	7.0 psi 0.5 bar
Service Clearance (under bowl)	1.0" 2.5 cm	1.0" 2.5 cm	1.0" 2.5 cm	1.0" 2.5 cm	1.0" 2.5 cm	1.0" 2.5 cm
Ambient Temp.Range	-40º to +225ºF (-40º to +124ºC)					
Max. Fuel Temperature	190ºF (88ºC)					

REPLACEMENT ELEMENTS			
ORDER NO.	**Application**	**Mfr. No.**	**Micron Rating**
209-03240	120R-RAC-01	S3240	10 Micron
209-03240T-UL	120R-RAC-02	S3240TUL	10 Micron
209-03227	320R-RAC-01 490R-RAC-01	S3227	10 Micron
209-03228T-UL	320R-RAC-02	S3228TUL	10 Micron
209-03228S-UL	320R-RAC-0 320R-RAC-02 490R-RAC-01	S3228SUL	2 Micron
209-03232	660R-RAC-01	S3232	10 Micron
209-03232T-UL	660R-RAC-02 3120R-RAC-32	S3232TUL	10 Micron

GASOLINE SPIN-ON SERIES

GASOLINE FUEL FILTERS

SPECIFICATIONS	025-RAC-01 Outboard	025-RAC-02 Outboard	025-RAC-10 Outboard/Inboard
Micron	250	10	10M
Maximum Flow Rate	25 GPH (95 LPH)	25 GPH (95 LPH)	25 GPH (95 LPH)
Ports	1/4"-18 NPTF	1/4"-18 NPTF	1/2"-14 NPTF
Replacement Filter	S2501	S2502	Replace Entire Unit
Height	4.3" (10.9 cm)	4.3" (10.9 cm)	4.2" (10.7 cm)
Diameter	2.1" (5.3 cm)	2.1" (5.3 cm)	1.9" (4.8 cm)
Width	2.3" (5.8 cm)	2.3" (5.8 cm)	N/A
ORDER NO.	**209-025RAC01**	**209-025RAC02**	**209-025RAC10**

025-RAC-01

025-RAC-02

025-RAC-10

FUEL FILTERS

MERCURY VERADO FILTER

Replacement Filter for Mercury Engines – 31871 Twin Pack

You should always carry extra replacement elements as one tankful of dirty fuel can plug a filter. The 31871 solves this problem by providing two filters in every pack!

- Legendary Aquabloc®II, 2 micron filter media, removes up to 100% of free water and protects sensitive fuel system components from particulates
- Meets or exceeds OEM requirements
- Compatible with ethanol gasoline blends
- Height: 5" (12.7 cm), Diameter: 2.1" (5.3 cm)
- Replaces Mercury filter no. 35-884380T or 35-8M0020349

ORDER NO.	Mfr. No.
209-31871	31871

2 Pack

VENT LINE VALVES

Installed in the fuel tank vent line, the **Racor Lifeguard Fuel/Air Separator** efficiently separates air from fuel forced into the line. Air is vented, and all fuel is returned to the tank. The Fuel/Air Separator captures fuel normally discharged due to agitation and thermal expansion up to 2.4 psi. It also eliminates damage to expensive striping and labels and protects finishes from fuel stains.
The unit is also maintenance free - there's nothing to rust or corrode.

The Racor Fuel/Air Separator fits neatly into your vent line, actually replacing a section of the line.
Fittings are included.
One fuel/air separator unit is required for each vent line, and both models fit 5/8" vent lines.

LG50

LG100

Application	Gasoline	Diesel/Gasoline
Dimensions	1 3/4"D x 6"L	4"D x 9 3/4"L
Max Air Flow	12cfm / 5.6 lps	17 cfm / 8lps
Thermal Expansion	Up to 2.4 psi	Up to 2.4 psi
Vent Line Size	5/8"	5/8"
ORDER NO.	**209-00050**	**209-00100**

FUEL CONDITIONING MODULES

The New Racor Fuel Polisher removes contamination at the source - the fuel tank. Most filtration solutions block contamination as it moves through the fuel system on the way to the engine. As contamination builds, fuel filters will choke leading to inadequate fuel delivery to the engine, damage to injectors and other engine components, increased emissions, and decreased performance. The Racor fuel polisher removes contamination from the fuel tank allowing the fuel system to run at peak performance. By setting up a new fuel circuit around the fuel tank contaminates such as water, dirt and rust will be removed from the fuel delivery circuit, resulting in increased filter life, better performance, and less downtime to change filters.

ORDER NO.	Mfr. No.	Description
209-00510MAM	P510MAM	FF/WS,10 Micron
Replacement Elements		
209-58065-02	R58065-2	Replacement Element, 2 Micron
209-58065-10	R58065-10	Replacement Element, 10 Micron
209-58065-30	R58065-30	Replacement Element, 30 Micron

PRODUCT SPECIFICATIONS	
Maximum Flow Rate	60 GPH (220 LPH)
No. of Ports	2
Port Size	M16-1.5 ORB
Water Sensor	Standard
Micron Rating	10
Operating Voltage	12V and 24V

FUEL POLISHING CART

ORDER NO.	Mfr. No.
209-16250	FC-16-25

Racor's heavy-duty fuel polishing carts are a cost effective way to filter diesel, mixtures of biodiesel, and other petroleum hydrocarbon fluids in storage or transport. The filter carts polish, clean up, and recycle old or contaminated fuel.

Features: 2-Wheel Cart, FBO-14 Filter, 25 Micron Element
Power Requirement: 110-220 Volts, 60/50 Hz, Single Phase, 9.6/4.8 amps

PRODUCT SPECIFICATIONS	
Application	Power Generation, Fuel Transfer, and Fuel Storage
Replacement Filter	FBO 60338 / CC No. 209-60338 / 25 Micron
Flow Rate	Up to 16 GPM (60.56 lpm)
Height	40.7 in. (103.8 cm)
Width	25.5 in. (64.8 cm)
Length	19.8 in. (50.3 cm)
Weight (Dry)	107 ibs. (48.5 kg)
Max. Fuel Operating Temperature	150˚F / 66˚C

FBO FUEL DISPENSING FILTERS

Racor's FBO filter assemblies are designed to meet tough refueling conditions and provide ease of service. FBO features a locking ring collar, which attaches the filter housing to the aluminum die-cast filter head with four bolts. The closure hardware allows maintenance personnel to easily change out the filter cartridge.

SPECIFICATIONS	FBO-10 Series	FBO-14-Series
Fuel Ports	1-1/2" NPT	1-1/2" NPT
Max. Working Pressure	150 PSI @ 240˚F (10.3 bar @ 115˚C)	
Clean Pressure Drop	1 PSI (0.07 bar)	1 PSI (0.07 bar)
Height (w/ DP Gauge)	20.8 in. (51.0 cm)	24.08in. (61.16 cm)
Width	8.6 in (51.0 cm)	8.6 in (51.0 cm)
Depth	8.6 in (51.0 cm)	8.6 in (51.0 cm)
Weight (approx.)	15 lbs.	17 lbs.
Service Clearance	12.0 in. (30.5 cm)	16.0 in. (40.6 cm)
Ambient Temp Range	-40˚ to +255˚F (-40˚ TO +124˚C)	
Max. Fuel Temperature	190˚F (88˚C)	
Water Separator Replacement Elements		
	FBO-10 Series	**FBO-14-Series**
ORDER NO.	**209-60353**	**209-60356**
10 Micron Rating	FBO 60353	FBO 60356
ORDER NO.	**209-60329**	**209-60338**
25 Micron Rating	FBO 60329	FBO 60338

ORDER NO.	209-00010MA	209-00014MA
Mfr. No.	FBO-10-MA	FBO-14-MA
	10" Assembly	10" Assembly
	25-Micron Filter	25-Micron Filter
MARINE - Drain Valve, Delta-P Gauge, Sight Glass, Bracket/Fittings		

ORDER NO.	209-00010DPL	209-00014DPL
Mfr. No.	FBO-10-DPL	FBO-14-DPL
	10" Assembly	10" Assembly
Element/Filter	**Not Included**	**Not Included**
Drain Valve, Delta-P Gauge, Sight Glass		

MARINE RATED HOSE

Parker Marine Hose is a USCG-rated hose for gasoline, diesel, lube oil, and hydraulic systems for commercial and recreational applications. As you'd expect, it delivers test-proven performance in a wide operating temperature range and constant working pressure. It is of a long-lasting reinforced construction, kink and cut resistant, and compatible with a variety of standard 100R5 fittings.

Working Pressure: 500 PSI ** Burst Pressure: 2000 PSI

ORDER NO.	Mfr. No.	Hose Length	Hose I.D.	Hose O.D.	Min. Bend Radius
209-99906-50	CGH-6-50	50 Ft	5/16" (.8 cm)	0.7" (1.8 cm)	1-1/4" (3.2 cm)
209-99908-50	CGH-8-50	50 Ft	13/32" (1.0 cm)	0.8" (2.0 cm)	1-3/4" (4.5 cm)

ACCESSORIES

VACUUM/COMPOUND GAUGE KITS

Vacuum and Compound (vacuum/pressure) gauges and related hardware are available to monitor filter condition. As the filter slowly becomes clogged with contaminants the restriction (resistance to flow) increases. The fuel pump still tries to draw fuel (suction) but because of this restriction less fuel is delivered to the engine and instead more air is pulled from it (fuel degassing). These results can cause the engine to lose power and eventually stall. By installing a vacuum gauge in your fuel system (on the outlet side of the Racor filter) visual monitoring of filter condition is possible at a glance. Note the position of the dial, or apply the 'red line' decal provided with most kits. This will assist in easy monitoring as filter efficiency begins to decrease when a filter change is necessary.

209-19668

209-19669

209-19671

ORDER NO.	Mfr. No.	Description	Thread Size
209-19668	RK19668	Vacuum Gauge, -30 to 0 "Hg, 1/4" NPT, Panel Mount (2) Brass Fittings	1/4" NPT
209-19669	RK19669	Vacuum Gauge, -30 to 0 "Hg Bottom Mount	1/4" NPT
209–19671	RK19671	Stainless Steel T-handle Vacuum Gauge Kit fits 900 &1000 and 2002 to present 500 Turbine Series fuel filter/water separators, including UL marine listed models. Gauge, Vacuum -30 to 0 "Hg Bottom Mount. Improved cases feature a pressure relief valve.	9/16-18 UNF-2A

BOWL WRENCH

Racor offers a hand wrench to remove all metal and see-thru Spin-On bowls that feature external ribs. By simply fitting the wrench over the bowl ribs, the bowl can be removed from the replaceable Spin-On element, or filter housing with little effort. The wrench is made of a corrosion proof, high-impact, high-strength engineered polymer. One bowl wrench per kit.

Mfr.No. RK 22628

ORDER NO. 209-22628

DIESEL MARINE SHUT-OFF VALVE

T1 This side to bowl

T2 Drain Side

Applications (Marine Series) (Marine Turbine Series)
Marine 800 Series, Turbine-500MA-503MA, Turbine-900MA-903MA, Turbine-1000MA-1003MA Turbine-73100MA, 75500MAX, 75900MAX, 751000MAX, 771000MA, 791000MAV

Thread: T1 1/4"-18 NPT (male) **T2** 1/4"-18 NPT (female)**

Material: Brass

Notes: T2 port includes 1/4"-18 NPT plug.
Plug must be in valve unless servicing.

Mfr.No. RK 19492

ORDER NO. 209-19492

DRAIN KIT, SELF-VENTING

Application: Turbine - 500FG

Mfr.No. RK 30488

ORDER NO. 209-30488

OMC - COBRA COMPLETE LOWER GEAR HOUSING ASSEMBLY 1986-1993

Strongest Lower Gear Housing Assemblies in the Marine Industry for 1986-1993 OMC Cobra Sterndrives

All GLM #28820 replacement lower gear housings for the OMC Cobra sterndrives have the new heavy duty #22666 gear sets. These durable gears are capable of operating with up to 300 horsepower. They also have the large 1-1/4 inch diameter prop shafts with a reverse thrust washer installed between the shaft and reverse gear.

YEAR	MODEL	LOWER COMPLETE
1990-93	3.0L 4-Cyl. Chevy	28820
1986-93	4.3L V6	28820
1986-93	5.0L Chevy/Ford	28820
1986-93	5.7L Chevy	28820
1989-93	5.8L Chevy	28820

1986-1993 V6 & V8
1990-1993 4-Cylinder 3.0L
With Heavy Duty Gears

OEM: 987800
Mfr.No. 28820
ORDER NO. 626-28820

OMC - COBRA COMPLETE UPPER GEAR HOUSING 1986-1993 With Water Pump

ENGINE	NUMBER OF TEETH ON ORIGINAL GEARS	Mfr.No.	OEM No.
4.3 L/262 V6	21T/19T	29940	986380
5.7L/350 Chevy V8	21T/16T	29910	986381
5.8L/351 Ford V8	21T/16T	29910	986381

Ratio: 21:16
OEM: 986381
Mfr.No. 29910
ORDER NO. 626-29910

Ratio: 21:19
OEM: 986380
Mfr.No. 29940
ORDER NO. 626-29940

OMC - COBRA LOWER GEAR HOUSING GEARS

COMPLETE GEAR SET
OEM: N/A
Mfr.No. 22666
ORDER NO. 626-22666

CLUTCH Only
OEM: 915272
Mfr.No. 22625
ORDER NO. 626-22625

CLUTCH Only
OEM: 912607
Mfr.No. 22633
ORDER NO. 626-22633

COMPLETE GEAR SET & CLUTCH
Forward/Pinion/Reverse. 13/26 teeth.
Comes with the GLM #22633 clutch.
OEM: 986979
Mfr.No. 22630
ORDER NO. 626-22630

4-CYLINDER GEARS
These gearsets are an exact copy of the gears used in the 4-Cylinder OMC Sterndrives from 1978-1985 with mechanical shift (not 1978-1980 with hydraulic shift) and the 4-Cylinder 3.0L from 1986-1989 and 1987-1990 2.3L

OMC - STRINGER COMPLETE UPPER GEAR HOUSING ASSEMBLY 1973-1985

ORDER NO.	GLM No.	OEM No.	Engine	Number of teeth on Original Gears
626-27100	27100	982488	5.7L/350 Chev. V8	21T/16T
626-27100	27100	982488	5.8L/351 Ford V8	21T/16T
626-27200	27200	982487	5.0L/302 Ford V8	21T/17T
626-27200	27200	982487	5.0L/305 Chev. V8	21T/17T
626-27400	27400	982739	3.8L/229 Cubic Inch V6	21T/20T

UPPER GEAR HOUSING

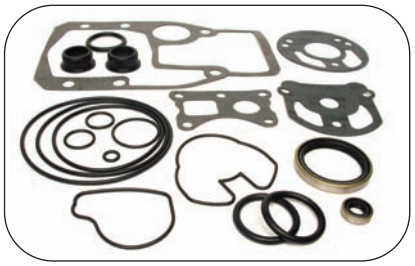
OMC - STRINGER SEAL KIT

OEM: 982949
Mfr.No. 87650 **ORDER NO. 626-87650**

For all models (1973-1985)

OMC - COBRA SEAL KIT

OEM: 987603
Mfr.No. 87654
ORDER NO. 626-87654



For All Models (1986-1993) Cobra

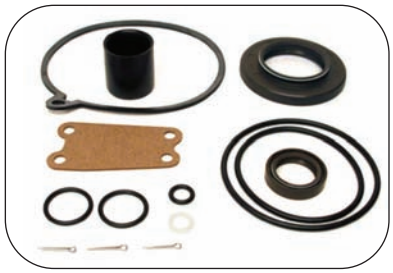
OMC - STRINGER BALL GEAR SET

Kit Contains:
(1) 82350
(2) 22030
(1) 22010
(2) 22330
(1) 22020
(1)81440
(2) 86010
(2) 86080
Mfr.No. 22050
ORDER NO. 626-22050

For All Models (1973-1986) Stringer

OMC - COBRA UPPER & LOWER GEAR HOUSING SEAL KITS

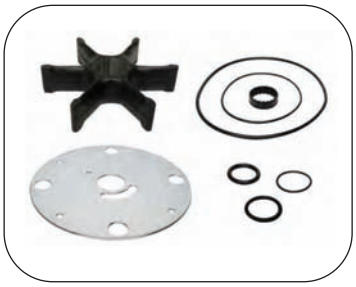
3.0L 1986-1989
2.3L 1987-1990
OEM: 985612
Mfr.No. 87655
ORDER NO. 626-87655



OMC Cobra SX (1994 & Up)
OEM: 3850594
Mfr.No. 87740
ORDER NO. 626-87740

3.0L 1990-1993
V6 & V8 1986-1993
(Except King Cobra)
OEM: 439967
Mfr.No. 87656
ORDER NO. 626-87656

OMC - STRINGER IMPELLER REPAIR KIT



OEM No. N/A
Mfr.No. 12191
ORDER NO. 626-12191

For 100-260 Sterndrives (1962-1985)

JOHNSON/EVINRUDE GEARCASE SEAL KITS

OEM No. 5006373
Mfr.No. 87600
ORDER NO. 626-87600

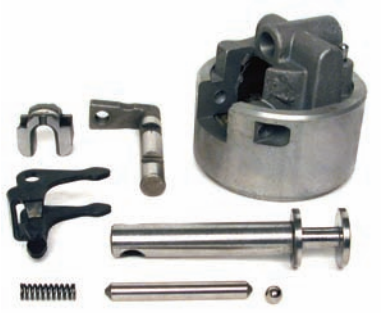
Fits All V4/V6/V8 (1978-2006) Outboard Engines with a Mechanical Shift Gearcase.

GLM

For more information see:
www.glmmarine.com

SHAFT & BEARING HOUSING KITS

COBRA 4-CYLINDER
1986-1989 3.0L, 1987-1990 2.3L



OEM: N/A
Mfr.No. 28482
ORDER NO. 626-28482

OMC-STRINGER
1978-1985 4-CYLINDER W/MECHANICAL SHIFT

OEM: N/A
Mfr.No. 28483
ORDER NO. 626-28483

LOWER DRIVE SHAFT

Fits: Cobra
1986-1993 with V6 & V8
1990-1993 with 4 cylinder 3.0L

OEM: 911693
Mfr.No. 22406
ORDER NO. 626-22406

PROP SHAFT

Fits: OMC Cobra
1994-1998, all Volvo SX

OEM: 3857675
Mfr.No. 11154
ORDER NO. 626-11154

(OMC STRINGER) CLUTCH DOG
1978-1985 V6 & V8
337774 W/MECHANICAL SHIFT

OEM: 915272
Mfr.No. 22625
ORDER NO. 626-22625

CLUTCH
1978-1985 4 CYL. 910578
W/MECHANICAL SHIFT

OEM: 912607
Mfr.No. 22633
ORDER NO. 626-22633

TAPERED ROLLER BEARINGS

Upper

Fits: Cobra 1994-1998, 1985 & Older (Intermediate) all Volvo SX
OEM: 3854250

Mfr.No. 21512
ORDER NO. 626-21512

Lower

Fits: Cobra 1994-1998 all Volvo SX
OEM: 3854249

Mfr.No. 21581
ORDER NO. 626-21581

BEARING HOUSING

OEM: 984462
Mfr.No. 27770
ORDER NO. 626-27770

Cobra 1886-1993

DIPSTICK FOR TOP COVER

1986-1993
OEM: 914488
Mfr.No. 21732
ORDER NO. 626-21732

GIMBAL BEARING

(Merc: 30-879194A01, 30-879194A02, 30-862540A3, 30-60794A4 & OMC/Volvo: 3853807), MC-1 / R / MR / Alpha One / Alpha One Gen II / Bravo / Cobra & Cobra SX

ORDER NO. 626-21906

Mfr. No. 21906

CARBURETOR DIAPHRAGM & GASKET KIT

OEM: 1395-9761-1

ORDER NO. 626-40610

Mfr. No. 40610

UNIVERSAL JOINT

OEM: Mercury 75832T, 75832A2, OMC 912214, 915716, Volvo 853255-8

ORDER NO. 626-28030

Mfr. No. 28030

Heavy-Duty

BELLOW EXPANDER TOOL

Install Exhaust Bellows on MC-1 / R / MR / Alpha One / Alpha One Gen II, Bravo and Blackhawk drive units. GLM's original design features a scissor type handle with vinyl grips. Stays open with screw lock. Now install bellows easily with GLM's Bellow Expander Tool No. 90360

ORDER NO. 626-90360

Mfr. No. 90360

MERCRUISER SEA WATER PUMP BEARING HOUSING ASSEMBLY

GLM No. 22736 is a Sea Water Pump Bearing Housing for engines that are V-belt driven. This Sea Water Pump Bearing Housing includes a port for mounting a fuel pump as well as a V-belt Pulley and Hardware. GLM No.22736 is designed for use with 1-Piece Brass Sea Water Pumps. GLM Products, Inc. is your Best Choice for Aftermarket Sea Water Pump Bearing Housings!

ORDER NO. 626-22736

Mfr. No. 22736

NEW STYLE

RECIRCULATING WATER PUMP

OEM: 850399-1, 3853850

Chevrolet V6 & V8 Small Block Engines

Fits Both Metal & Composite Timing Chain Cover

ORDER NO. 626-15201

Mfr. No. 15201

For more information see:
www.glmmarine.com

V6 MANIFOLD CONVERSION KITS SINGLE-PIECE MANIFOLDS

Convert Your V6 Single Piece Manifolds To Centre Rise Manifolds

OMC ***GLM's V6 Manifold Conversion Kit is designed to convert OMC Single-Piece Exhaust Manifolds to the more efficient Centre Rise Manifolds on all OMC Cobra V6 4.3L Engines with GM 262 CID Blocks from (1986-1990).***

Kit Contains:

- **1** GLM No. 58480 Complete Set - Two-piece Cast Iron Exhaust Manifolds and 4" Risers (Includes gaskets)
- **2** GLM No. 89224 Exhaust Hose, OEM No. 3852696
- **2** GLM No. 89222 Exhaust Hose, OEM No. 3852741
- **2** GLM No. 50790 Exhaust Tube for V6, OEM No. 3853372
- **4** GLM No. 01100 Hose Clamps, OEM No. 3853860
- **4** GLM No. 01090 Hose Clamps, OEM No. 3852604

Comes with all the hardware to complete the conversion right!

Mfr.No. 58995 **ORDER NO. 626-58995**

MERCRUISER ***GLM's Manifold Conversion Kit is designed to convert all Single-Piece Exhaust Manifolds to the Centre Rise Manifolds on V6 4.3L Engines with GM 262 CID Blocks from 1996 to 2000 that have Raw Water Cooling.***

Cast Iron Kit Contains:

- **1** GLM No. 58222 Complete Set - Two-piece Cast Iron Exhaust Manifolds and 4" Risers (Includes gaskets)
- **2** GLM No. 50750 Exhaust Elbows, OEM No. 14478TO1
- **2** GLM No. 89120 Exhaust Tube (Riser to Exhaust Elbow), OEM No. 32-44348T
- **2** GLM No. 89130 Exhaust Tube (For new Y-pipe), OEM No. 32-14358001
- **1** Hardware Kit

Does NOT contain original exhaust tube (OEM No. 32-807458T) to be used with original Y-pipe. You may re-use original exhaust tube with this kit.

Mfr.No. 58992 **ORDER NO. 626-58992**

OMC
MODEL 800 SERIES - GM 305/350 CID, V8 Small Block (1979-89)

ORDER NO	GLM No.	OEM No.	Description
626-51320	51320	909863	Exhaust Elbow Assembly
626-51410	51410	912441	Exhaust Manifold Assembly - STBD
626-51420	51420	912442	Exhaust Manifold Assembly - PORT

OMC
MODEL 4.3L - GM 262 CID, V6 (1991 & Up)

ORDER NO.	GLM No.	OEM No.	Description
626-51480	51480	3857656	Exhaust Manifold Assembly

VOLVO PENTA
MODEL 4.3L - GM 262 CID, V6 (1992 & Up)

ORDER NO.	GLM No.	OEM No.	Description
626-51480	51480	3857656	Exhaust Manifold Assembly

OMC
MODEL 5.0/5.8L/5.8 & 351 KING EFI - V8, FORD 302/351 CID (1991 & Up)

ORDER NO.	GLM No.	OEM No.	Description
626-51450	51450	3858870	Exhaust Manifold Assembly
626-51490	51490	3852347	Exhaust Manifold Assembly

VOLVO PENTA
MODEL 3.0GS - 181 CDI, 4- CYL. (1994 & Up)

ORDER NO.	GLM No.	OEM No.	Description
626-51450	51450	3858870	Exhaust Manifold Assembly

626-51410/20

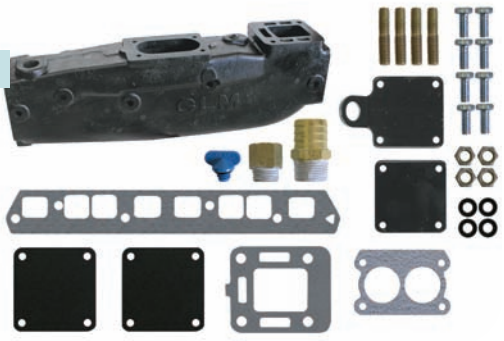
626-51480

626-51490

EXHAUST MANIFOLDS

MERCRUISER
MODEL 3.0LX/3.0L - INLINE 4, GM 181 CID, 4-CYL. (1990 & Afte

ORDER NO.	Mfr. No.	OEM No.	Description
626-51214	51214	806867A12	Exhaust Manifold Assembly


626-51214

MERCRUISER
MODEL 175-205 - V6, GM 229/262 CID (1983 Up to 0M SN#'s)

ORDER NO.	Mfr. No.	OEM No.	Description
626-51220	51220	99746A17	Exhaust Manifold Assembly (Iron Casting)

626-51220

MERCRUISER
MODEL 200-320 - V8, GM 305/350/377 CID (1983 Up to 0M SN#'s)

ORDER NO.	Mfr. No.	OEM No.	Description
626-51230	51230	860246Q11	Exhaust Manifold Assembly (Iron Casting)

626-51230

MERCRUISER
MODEL 330-370 - V8 (B.B.), GM 454/502 CID (1981 Up to 0M SN#'s)

ORDER NO.	Mfr. No.	OEM No.	Description
626-51240	51240	807078T08	Exhaust Manifold Assembly (Iron Casting)

Note assembly includes plug (#21891)

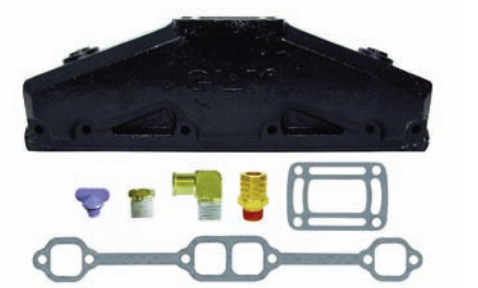
626-51240

OMC
MODEL 5.0L/5.7L - GM 305/350 CID, V8 S.B. (1989 & After)

ORDER NO.	Mfr. No.	OEM No.	Description
626-51430	51430	3857723	Exhaust Manifold Assembly

VOLVO
MODEL 5.0L/5.7L - GM 305/350 CID, V8 S.B. (1994 & After)

ORDER NO.	Mfr. No.	OEM No.	Description
626-51430	51430	3857723	Exhaust Manifold Assembly


626-51430

EXHAUST ELBOWS

MERCRUISER

MODEL 175-205 - V6, GM 229/262 CID (1983-Present)
MODEL 200-320, V8 (S.B.), GM 305/350/377 CID (1983-Present)
MODEL 330-370, V8 (B.B.), GM 454/502 CID (1981-Present)

ORDER NO.	Mfr. No.	OEM No.	Description
626-51140	51140	807988Q03	Exhaust Elbow (Iron Casting) 4", 7 Degree
626-51110	51110	98504A3	Exhaust Elbow (Iron Casting) 3", 15 Degree

626-51140

626-51110

OMC

MODEL 5.0/5.8L/5.8 & 351 KING EFI - V8, FORD 302/351 CID (1991 & Up)

ORDER NO.	Mfr. No.	OEM No.	Description
626-51332	51332	3855271	Exhaust Elbow Assembly - PORT (1993-96 EFI)
626-51334	51334	3855269	Exhaust Elbow Assembly - STBD (1993-96 EFI)

626-51332

VOLVO PENTA

MODEL 5.0/5.8L & FI/FSI - FORD 302/351 CID V8 (1994 & Up)

ORDER NO.	Mfr. No.	OEM No.	Description
626-51332	51332	3855271	Exhaust Elbow Assembly - PORT (EFI)
626-51334	51334	3855269	Exhaust Elbow Assembly - STBD (1993-96 EFI)

626-51334

OMC

MODEL 4.3L V6 GM 262 CID (1991 & After)
MODEL 5.7L V8 GM 350 CID (1990 & After)
MODEL 5.0/5.8L/5.8 & 351 KING EFI - V8, FORD 302/351 CID (1991 & After)
MODEL 7.4L/8.2L V8 GM 454/502 CID (1991 & After)

ORDER NO.	Mfr. No.	OEM No.	Description
626-51330	51330	3857944	Exhaust Elbow Assembly, (Iron Cast)

626-51330

VOLVO PENTA

MODEL 4.3L V6 GM 262 CID (1992 & After)
MODEL 5.7L V8 GM 350 CID (1993 & After)
MODEL 5.0/5.8L/5.8 & 351 KING EFI - V8, FORD 302/351 CID (1993 & After)
MODEL 7.4L/8.2L V8 GM 454/502 CID (1992 & After)

ORDER NO.	Mfr. No.	OEM No.	Description
626-51330	51330	3857944	Exhaust Elbow Assembly, (Iron Cast)

EXHAUST ELBOWS CONTINUED...

OMC

MODEL 4.3L V6 GM 262 CID (1989 & After)
MODEL 5.7L V8 S.B GM 305/350 CID (1989 & After)
MODEL 5.0/5.8L/5.8 & 351 KING EFI - V8, FORD 302/351 CID (1991 & After)
MODEL 7.4L/8.2L V8 B.B. GM 454/502 CID (1991 & After)

ORDER NO.	Mfr. No.	OEM No.	Description
626-51337	51337	3862627	Hi-Rise Single-Piece Exhaust Elbow Assembly-11.3" High, (Iron Cast))

IMAGE NOT AVAILABLE
626-51337

VOLVO PENTA

MODEL 4.3L V6 GM 262 CID (1992 & After)
MODEL 5.0/5.7L V8 S.b. GM 305/350 CID (1993 & After)
MODEL 5.0/5.8L/ & Fi/FSi - V8 S.B., FORD 302/351 CID (1993 & After)
MODEL 7.4L/8.2L V8 B.B. GM 454/502 CID (1992 & After)

ORDER NO.	Mfr. No.	OEM No.	Description
626-51337	51337	3862627	Hi-Rise Single-Piece Exhaust Elbow Assembly-11.3" High, (Iron Cast)

POWER TRIM CYLINDERS - MERCRUISER

ORDER NO.	Mfr. No.	OEM No.	Description	Application
626-26530	26530	815935A7	Port	Alpha I - Gen II
626-26520	26520	815954A7	Starboard	Alpha I - Gen II
626-26410	26410	98703A3	Port	R / MR / Alpha I
626-26400	26400	98704A3 (Trim Cylinder Tube Length: 15-9/16")	Starboard	R / MR / Alpha I
626-26510	26510	14035A3	Port	R / MR / Alpha I
626-26500	26500	14034A3 (Trim Cylinder Tube Length: 16-3/16")	Starboard	R / MR / Alpha I
626-26470	26470	98703A26	Port	Bravo
626-26460	26460	98704A26	Starboard	Bravo
626-21980	21980	45706A14	1967-1982	MC-1

626-26530

Model.	Year	Serial No. Range	Trim Cylinder O-Ring Kit	Trim Cylinder Port	Trim Cylinder Starboard Port	Trim Cylinder Outer Hsg. Starboard	Trim Cylinder Outer Hsg.
120 / 140	1970-1982	6225576	87410	21980	21980	21930	21930
470 / 485	1976-1982	4208730-6225575	87410	21980	21980	21930	21930
165	1970-1981	2763442-4890459	87410	21980	21980	21930	21930
888 / 225 / 233	1971-1977	3106717 & Up	87410	21980	21980	21930	21930
898 / 228 / 250 / 260	1977-1982	4782330-6225576	87410	21980	21980	21930	21930
R / MR / Alpha I	1983-1990	6225577 & Up	87400	26410	26400	26411	26401
R / MR / Alpha I	1983-1990	6225577 & Up	87400	26510	26500	26511	26501
Alpha I Gen II	1991 & Up	OD469859 & Up	87400	26530	26520	26531	26521
Bravo	1988-1995	OB664190-OF345867	87400	26470	26460	26411	26401

IMPELLERS - YAMAHA

IMPELLER
OEM: 682-44352-03
ORDER NO. 626-89880
Mfr. No. 89880

Fits:

Model	Year	Impeller
9.9	84-95	**626-89880**
F-9.9	86-95	**626-89880**
F-9.9	97-03	**626-89880**
F-9.9	04	**626-89880**
FT-9.9	85-90	**626-89880**
T-9.9	91-96	**626-89880**
T-9.9	97, 99, 01-03	**626-89880**
T-9.9	04	**626-89880**
15	84-95	**626-89880**

IMPELLER
OEM: 6L2-44352-00
ORDER NO. 626-89622
Mfr. No. 89622

Fits:

Model	Year	Impeller
20	96-97	**626-89622**
25	88-95	**626-89622**
25	96-98, 00, 03-04	**626-89622**

IMPELLER
OEM: 6H4-44352-02
ORDER NO. 626-89900
Mfr. No. 89900

Fits:

Model	Year	Impeller
25	99, 01-02	**626-89900**
F-25	98-05	**626-89900**
T-25	01-05	**626-89900**
30	87, 89-93	**626-89900**
30	96	**626-89900**
30	97-99, 01-02	**626-89900**
C-30	93-97	**626-89900**
F-30	01-05	**626-89900**
F-40	00-05	**626-89900**

YAMAHA WATER PUMP KITS - 9.9 - 30 HP

WATER PUMP KIT w/o HOUSING
Fits Models: F-15HP (1998-05), F-9.9HP (2005), T-9.9HP (2005), 15HP (1996-04), 9.9HP (1996-05)
OEM: 63V-W0078-01
ORDER NO. 626-12066 Mfr. No. 12066

WATER PUMP KIT w/o HOUSING
Fits Models: 20HP (1996-97), 25HP (1988-98, 2000, 2003-04)
OEM: 6L2-W0078-00
ORDER NO. 626-12277 Mfr. No. 12277

YAMAHA WATER PUMP KITS - 40 - 100 HP

WATER PUMP KIT w/o HOUSING
Fits Models: C-55HP (1992-95)

OEM: 663-W0078-01, 663-W0078-A0
ORDER NO. 626-12279 Mfr. No. 12279

WATER PUMP KIT w/o HOUSING
Fits Models: B-90HP (1998-99), C-75HP (1998-99), C-80HP (1997), C-90HP (1997-01), E-75HP (2000), P-75HP (1997-99), 60HP (2004-05), 70HP (2004-05), 90HP (1997-05)

OEM: 692-W0078-02
ORDER NO. 626-12282 Mfr. No. 12282

WATER PUMP KIT w/o HOUSING
Fits Models: C-60HP (1996), E-60HP (1995-96), P-60HP (1992-96), 70HP (1992-96)

OEM: 6H3-W0078-01
ORDER NO. 626-12057 Mfr. No. 12057

WATER PUMP KIT w/o HOUSING
Fits Models:
C-40HP (1998-02), C-50HP (1998-01), F-40HP (1999), F-50HP (1996-05), F-60HP (2002-05), P-40HP (1998), P-50HP (1995-96), T-50HP (2002-04), 40HP (1995-05), 50HP (1995-96, 1998-05)

OEM: 63D-W0078-01
ORDER NO. 626-12276 Mfr. No. 12276

OMC - COBRA COMPLETE WATER PUMP KIT

ORDER NO. 626-12092
OEM: N/A Mfr.No.12092

OMC - COBRA WATER PUMP SERVICE KIT

ORDER NO. 626-12091
OEM: 984461 Mfr.No.12091

MERCRUISER SEAWATER PUMP SERVICE KITS / BELT DRIVEN

Fits GLM one piece brass body pump.
Fits Mercruiser one piece pump.
OEM: 47-807151A14
Mfr.No. 12088

ORDER NO. 626-12088

JOHNSON/EVINRUDE WATER PUMP KIT V4/V6/V8

Fits (1979-2006) with V4/V6/V8 engines with 25" & 30" shaft. Plastic wedge key impeller.

ORDER NO. 626-12000
OEM: 5001595 Mfr.No.12000

WATER PASSAGE HOUSING

Cobra 1986-1993
OEM: 915720
Mfr.No. 27760
ORDER NO. 626-27760

GASKET

OEM: 915719
Mfr.No. 33970
ORDER NO. 626-33970

OMC - COBRA GUIDE

OEM: 911715
Mfr.No. 12961
ORDER NO. 626-12961

OMC - WATER PASS HOUSING TUBE

OEM: 911706
Mfr.No. 12960
ORDER NO. 626-12960

OMC & VOLVO ENGINE - INTERNAL EXHAUST HOSES

EXHAUST HOSE - UPPER

3-1/2" x 4-1/2"
OEM: 912374
Mfr.No. 89220 **ORDER NO. 626-89220**

EXHAUST HOSE - LOWER

3-1/2" x 3-1/2"
OEM: 3852741
Mfr.No. 89222 **ORDER NO. 626-89222**

EXHAUST HOSE - LOWER

3-1/2" x 3-1/2"
OEM: 3852742
Mfr.No. 89230 **ORDER NO. 626-89230**

APPLICATION

626-89220
Fits 7.5 (460) in 1987, 5.0-5.8 Ford in 1989-1990, Fits the 5.7 1986 late models & all 5.7 1987-1988. "Upper Hose".

626-89222
Fits 2.5 in 1986, 3.0 in 1986-1991, 2.3 in 1989-1990, 4.3 in 1990-1991, 5.0-5.8 Ford in 1991, 5.7 early 1986 model. "Lower Hose".

626-89230
Fits 2.3 in 1987-1988, 4.3 in 1987-1989, 5.0-5.8 Ford in 1989-1990, 5.7 in late 1986, all 5.7 1987-1991, all 1990-1991 Cone Clutch Models (350/454/454HO/460 King). 5.7LE in 1990-1991. "Lower Hose".

626-89220

626-89230

626-89222

GEARCASES - NEW & REMANUFACTURED

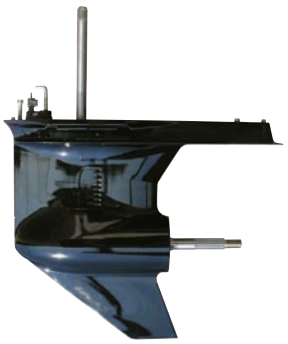
These OBR Assembled Gearcases are "NEW" Aftermarket Replacement Units.
One Year Warranty!

MERCRUISER - ALPHA I

ORDER NO.	Mfr. No.	Description	Gear Ratio
645-00150-AU	MC-AU-150-N	Alpha I Upper Gear Case	1:50
645-00165-AU	MC-AU-165-N	Alpha I Upper Gear Case	1:65
645-00184-AU	MC-AU-184-N	Alpha I Upper Gear Case	1:84
645-00198-AU	MC-AU-198-N	Alpha I Upper Gear Case	1:98
645-10001-AL	MC-AL-N	Alpha I Lower Gear Case	-

MERCRUISER - GENERATION II

ORDER NO.	Mfr. No.	Description	Gear Ratio
645-00147-GU	MC-GU-147-N	Generation II Upper Gear Case	1:47
645-00161-GU	MC-GU-161-N	Generation II Upper Gear Case	1:61
645-00181-GU	MC-GU-181-N	Generation II Upper Gear Case	1:81
645-00194-GU	MC-GU-194-N	Generation II Upper Gear Case	1:94
645-00020-GU	MC-GU-20-N	Generation II Upper Gear Case	2:00
645-00162-GL	MC-GL-162-N	Generation II Lower Gear Case	1:62
645-00020-GL	MC-GL-20-N	Generation II Lower Gear Case (1998 - 2003)	2:0 & 2:4



OMC - COBRA / JOHNSON EVINRUDE

ORDER NO.	Mfr. No.	Description	Application
645-00468-SL	CO-SL-468-N	OMC Cobra Lower Gear Case	3.0, 4.3, 5.0, 5.7, 5.8
645-00603-G6	OM-G6-03-N	Johnson/Evinrude Lower	V6 1979 - 2015

MERCRUISER - BRAVO I, II, III "REMANUFACTURED"

ORDER NO.	Mfr. No.	Description	Gear Ratio
645-02927-BU	MC-BU-2927-R	Bravo I Upper Gear Case Bravo II Upper Gear Case Bravo III Upper Gear Case	Bravo I (1:36) Bravo II (1:50, 1:81) Bravo III (1:36, 1:81)
645-03227-BU	MC-BU-3227-R	Bravo I Upper Gear Case Bravo II Upper Gear Case Bravo III Upper Gear Case	Bravo I (1:50) Bravo II (1:65, 2:00) Bravo III (1:50, 2:00)
645-03023-BU	MC-BU-3023-R	Bravo I Upper Gear Case Bravo II Upper Gear Case Bravo III Upper Gear Casel	Bravo I (1:65) Bravo II (2:20) Bravo III (2:20, 2:43)
645-01627-B2L	MC-B2L-1627-R	Bravo II Lower Gear Case	(1:81, 2:20, 2:00)
645-01627-B3L	MC-B3L-1627-R	Bravo III Lower Gear Case	(1:81, 2:00, 2:20)

	Gauge Size	Premier Pro	White Premier Pro	Driftwood	Lido	Lido Pro
Fuel Gauge	2"	106-62718	62551P	61549P	106-65496	59655P
Hourmeter 10,000 hrs	2"	106-62719	62538P	62952P	106-65497	59416P
Oil Pressure Gauge (SW) 0-80 PSI	2"	116-62720	62542P	61550P	106-65501	59653P
Oil Pressure Gauge (SW) 0-100 PSI	2"		62543P		106-65498	
Water Pressure Kit (Outboard) 30 PSI	2"			62960P	106-65507	63523P
Water Pressure Kit (Outboard) 40 PSI	2"	106-69865	67657P			
GPS Speedo 35 MPH	3"	781-627035	781-625-035P			781-310-035P
GPS Speedo 60 MPH	3"	781-627-060P	781-625-060P			781-310-060P
GPS Speedo 80 MPH	3"	781-627080	781-625-080P			
GPS Speedo 120 MPH	3"	781-627120	781-625-120P			
Speedo Kit 35 MPH (Pitot Type)	3"				106-61751	
Speedo Kit 50 MPH (Pitot Type)	3"			61547P	106-61752	61752FP
Speedo Kit 60 MPH (Pitot Type)	3"					
Speedo Kit 65 MPH (Pitot Type)	3"	106-62722	62546P	62372P	106-65510	59713P
Speedo Kit 70 MPH (Pitot Type)	3"					
Speedo Kit 80 MPH (Pitot Type)	3"	106-62723	65626SSFP	63516P	106-65670	59649P
Tachometer, 0-6000 RPM O/B & 4 Cycle Gas	3"	106-62724				
Tachometer, 0-7000 RPM O/B & 4 Cycle Gas	3"		62561P	61546P	106-65693	59737P
Tachometer, 0-8000 RPM O/B & 4 Cycle Gas	3"	106-62725				
Tachometer 0-4000 RPM Diesel Alt	3"		62547P		106-65671	
Diesel Magnetic Pickup, 90-180 Teeth	3"		62548P		106-65692	
Tach/Hour 0-7000 RPM O/B & 4 Cycle Gas	3"		62565P	63941P	106-65129	
Tachometer - System check gauge	3"			62698P	106-64477	
Water Temp (SW) 120-240°F	2"	106-62729	62540P	61552P ●	106-65509	59654P
Water Temperature Kit (Outboards)	2"	106-62748			106-65508	
Trim Gauge Evinrude/Johnson	2"	106-62726	62550P	62373P	106-65502	
Trim Gauge Honda	2"			62375P	106-65503	
Trim Gauge Mercury OB & IO, Mariner, Force, Cobra, Volvo DP & SX, Yamaha 2001 & Up	2"	106-62727	62549P	61551P	106-65504	59657P
Trim Gauge 2002 and newer Suzuki 4-Stroke	2"	106-62726	62550P	62373P	106-65502	
Trim Gauge pre 2001 Yamaha outboards	2"	106-62728			106-65505	
Voltmeter 12v	2"	106-62730 ♦	62555P	61548P	106-65506	59656P
Voltmeter 24v	2"		62539P			
12V Battery Condition Indicator	2"					
Engine Synchronizer Gauge	2"				106-65495	
System check gauge - Evinrude/Johnson	2"				106-65206	
Systems Monitor – Suzuki	2"					
Ammeter 60-0-60	2"					

SPECIAL ORDER Items

● *(100-220°F) range.* ■ *0-3500 RPM.* ♦ *8-16 VDC*

INSTRUMENTATION RANGE

Sierra
Marine Engine and Drive Parts

	Arctic	Eclipse	Heavy Duty	Argent Pro
Fuel Gauge	043-68365	043-68390	043-80150	043-65524
Hourmeter 10,000 hrs	043-68366	043-68391	043-82760	
Oil Pressure Gauge (SW) 0-80 PSI	043-68367	043-68392	043-80180	043-65526
Oil Pressure Gauge (SW) 0-100 PSI		043-68393	043-80181	043-65525
Water Pressure Kit (Outboard) 30 PSI				043-65551
Water Pressure Kit (Outboard) 40 PSI	043-68369	043-68394		
GPS Speedo 35 MPH	781-683035	781-684035		
GPS Speedo 60 MPH	781-683-060P	781-684-060P		781-294060
GPS Speedo 80 MPH	781-683080	781-684080		
GPS Speedo 120 MPH				
Speedo Kit 35 MPH (Pitot Type)	043-68370	043-68395		
Speedo Kit 50 MPH (Pitot Type), 3"				043-65529
Speedo Kit 50 MPH (Pitot Type), 5"				043-65530
Speedo Kit 60 MPH (Pitot Type)				
Speedo Kit 65 MPH (Pitot Type)	043-68371	043-68396		
Speedo Kit 70 MPH (Pitot Type)				043-65531
Speedo Kit 80 MPH (Pitot Type)	043-68372	043-68397		
Tachometer, 0-6000 RPM O/B & 4 Cycle Gas			043-82288	
Tachometer, 0-7000 RPM O/B/4 Cycle Gas-3"	043-68374	043-68399		043-65535
Tachometer, 0-7000 RPM O/B/4 Cycle Gas-5"				043-65536
Tachometer, 0-8000 RPM O/B & 4 Cycle Gas				
Tachometer 0-4000 RPM Diesel Alt	043-68373	043-68398	043-82302■	043-65537
Diesel Magnetic Pickup, 90-180 Teeth			043-82303	
Tach/Hour 0-7000 RPM O/B & 4 Cycle Gas	043-68375	043-68400		043-65545
Tachometer - System check gauge				
Water Temp (SW) 120-240°F	043-68376	043-68401	043-80590	043-65553
Water Temperature Kit (Outboards)	043-68377	043-68402		
Trim Gauge Evinrude/Johnson	043-68378	043-68403		043-65547
Trim Gauge Honda	043-68379	043-68404		
Trim Gauge Mercury OB & IO, Mariner, Force, Cobra, Volvo DP & SX, Yamaha 2001 & Up	043-68380	043-68405		043-65548
Trim Gauge 2002 and newer Suzuki 4-Stroke	043-68378	043-68403		
Trim Gauge pre 2001 Yamaha outboards	043-68381	043-68406		
Voltmeter 12v	043-68383	043-68408	043-80134♦	043-65550
Voltmeter 24v			043-80131	
12V Battery Condition Indicator	043-68384	043-68409		
Engine Synchronizer Gauge				
System check gauge - Evinrude/Johnson	043-68385	043-68410		
Systems Monitor – Suzuki				
Ammeter 60-0-60	043-68364	043-68389	043-80710	

SPECIAL ORDER Items

● *(100-220°F) range.* ■ *0-3500 RPM.* ♦ *8-16 VDC*

Sierra
Marine Engine and Drive Parts

	Sahara	Sterling	Black Sterling	Amega
Fuel Gauge	105-59707	043-63477	67021P	105-57902
Hourmeter 10,000 hrs				106-84760
Oil Pressure Gauge (SW) 0-80 PSI	105-59705	043-63479	67022P	105-57903
Oil Pressure Gauge (SW) 0-100 PSI				105-57929
Water Pressure Kit (Outboard) 30 PSI	106-69870	043-63481		106-61238
Water Pressure Kit (Outboard) 40 PSI			67382P	68357P
GPS Speedo 35 MPH				781-579035
GPS Speedo 60 MPH				781-579-060P
GPS Speedo 80 MPH				781-579080
GPS Speedo 120 MPH				
Speedo Kit 35 MPH (Pitot Type)	106-61826		67283P	105-58342
Speedo Kit 50 MPH (Pitot Type)	106-61163		68960P	105-57898
Speedo Kit 60 MPH (Pitot Type)				
Speedo Kit 65 MPH (Pitot Type)	105-59704	043-63475		105-57900
Speedo Kit 70 MPH (Pitot Type)			67285P	
Speedo Kit 80 MPH (Pitot Type)	106-63076	043-63476		105-57899
Tachometer, 0-6000 RPM O/B & 4 Cycle Gas				
Tachometer, 0-7000 RPM O/B & 4 Cycle Gas	105-59703	043-63473	67363P	105-58255
Tachometer, 0-8000 RPM O/B & 4 Cycle Gas				
Tachometer 0-4000 RPM Diesel Alt				68358P
Diesel Magnetic Pickup, 90-180 Teeth				
Tach/Hour 0-7000 RPM O/B & 4 Cycle Gas	105-69743	043-63474	67364P	68443P
Tachometer - System check gauge	106-61901			105-58935
Water Temp (SW) 120-240°F	105-59706	043-63480	67020P	105-57904
Water Temperature Kit (Outboards)				105-58862 ●
Trim Gauge Evinrude/Johnson	106-61908	043-63483	67365P	105-58431
Trim Gauge Honda	106-62369		67855P	105-68359
Trim Gauge Mercury OB & IO, Mariner, Force, Cobra, Volvo DP & SX, Yamaha 2001 & Up	105-59709	043-63482	67023P	105-57905
Trim Gauge 2002 and newer Suzuki 4-Stroke	106-61908	043-63483	67365P	105-58431
Trim Gauge pre 2001 Yamaha outboards				106-61748
Voltmeter 12v	105-59708	043-63478	67019P	105-57901
Voltmeter 24v				
12V Battery Condition Indicator				68361P
Engine Synchronizer Gauge				
System check gauge - Evinrude/Johnson	106-66956	043-63585		106-65205
Systems Monitor – Suzuki				
Ammeter 60-0-60				68356P

SPECIAL ORDER Items

● *(100-220°F) range.* ■ *0-3500 RPM.* ♦ *8-16 VDC*

62722P

62718P

PREMIER PRO

FEATURES:

- Full automotive type lighting, no "halo" around dial edges. When lit, white dial grads become red, pointer lights white.
- Black dial, white graduations/numerals (metrics in blue), white pointer staff.
- Scratch resistant curved glass lenses, with black, near-flush bezels.
- U.S. and metric scales, with ISO symbols, where appropriate.
- Optional add-on square bezel available *(See Page 222 for details).*
- Line includes standard ignition engine synchronizer kits including module.
- Fog-Resistant Design! Complies with SAE J-1810.

PREMIER PRO

A very popular OEM line, Premier features black dials with modern white and blue graphics. When lighted, white dial grads become red and pointer lights white. These instruments feature automotive type light-piping and a fog-resistant design for outstanding readability.

GAUGE DESCRIPTION	SIZE	DIAL RANGE	SENDER CODE	PART NUMBER	ORDER NUMBER
Fuel Gauge:	2"	E-1/2-F	REQUIRES "F"	62718P	106-62718
Hourmeter:	2"	10,000 Hrs.	NONE REQ'D	62719P	106-62719
Oil Pressure Gauges (Electric): Oil Pressure 80 PSI	2"	0-80 PSI	REQUIRES "C"	62720P	116-62720
GPS Speedometer:					
35 MPH	3"	0-35 MPH	GPS RECEIVER	781-627-035P	781-627035
80 MPH	3"	0-80 MPH	GPS RECEIVER	781-627-080P	781-627080
120 MPH	3"	0-120 MPH	GPS RECEIVER	781-627-120P	781-627120
Speedometer Kits:					
65 MPH (Pitot type)	3"	10-65 MPH	INCLUDES "G"	62722P	106-62722
80 MPH (Pitot type)	3"	20-80 MPH	INCLUDES "G"	62723P	106-62723
80 MPH (Pitot type) Head Only	3"	20-80 MPH		62723PH	106-62723-1
Tachometer (Electric):					
O/B & 4-Stroke Gas Engines*	3"	0-6000 RPM	O/B ALT./COIL	62724P	106-62724
O/B & 4-Stroke Gas Engines*	3"	0-8000 RPM	O/B ALT./COIL	62725P	106-62725
Trim Gauges (Outboard, I/O):					
Evinrude/Johnson Outboard	2"	UP-DOWN	BY ENG. MFR.	62726P	106-62726
Honda Outboards	2"	UP-DOWN	BY ENG. MFR.	63531P	
Mariner/Merc/Cobra/Volvo DP, SX, Yamaha 2001, and on	2"	UP-DOWN	BY ENG. MFR.	62727P	106-62727
Suzuki 4-Stroke, 2002 to date	2"	UP-DOWN	BY ENG. MFR.	62726P	106-62726
Yamaha Outboards, pre 2001	2"	UP-DOWN	BY ENG. MFR.	62728P	106-62728
Voltmeter-12 Volt:	2"	8-16 VDC	NONE REQ'D	62730P	106-62730
Water Pressure Kit (Outboard):** Each kit includes fittings and 20 feet of tubing) NEW!	2"	40 PSI	INCLUDES "WP"	69865P	106-69865
Water Temp. Kit (Outboard):** (For all electric-start outboards)	2"	COLD-HOT	INCLUDES "J"	62748P	106-62748
Water Temp. Gauge (I/O, I/B):	2"	120-240°F	REQUIRES "D"	62729P	106-62729
Instrument Set "INBOARD/STERNDRIVE"	Contains: 62724P, 62722P, 62718P, 62730P, 62729P, 62720P			62715P	106-62715

** Not tested for complete aftermarket ignition systems, will work with aftermarket replacement parts.*
**** Adapter (P/N 61886P-106-61886) is required for Yamaha.*
Use 4000 RPM tachometer or lower for diesel applications.
Cutouts: 3" Gauge 3-13/32", 2" Gauge 2-1/8"

Sierra
Marine Engine and Drive Parts

LIDO

Hottest selling white dial line! A comprehensive family of instruments for most engine types, Lido features crisp white dials and fire-orange pointer tips. Red through-dial and white perimeter lighting provide great night readability. Excellent inboard coverage with engine sync gauges* and diesel alternator and magnetic pickup tachometers.**

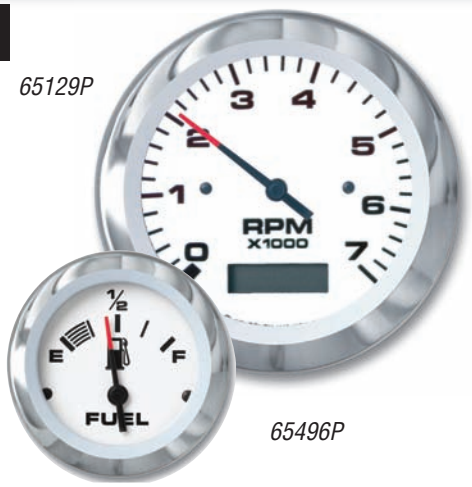
*Module required, not included with gauge.
**Magnetic Pickup sender available separately.

LIDO

FEATURES:

- White dial, black numerals, black pointer with fire-orange tip.
- Scratch resistant curved glass lenses, with polished stainless steel, near-flush bezels.
- U.S. and metric scales, with ISO symbols.
- Optional add-on square bezel available *(See Page 222 for details).*
- White perimeter and red thru-dial lighting.
- Comprehensive line includes tachometers for diesel alternator and magnetic pickup PLUS synchronizer gauge (Suitable for gas or diesel engines with appropriate module. Module required, not included with gauge).

65129P



65496P

GAUGE DESCRIPTION	SIZE	DIAL RANGE	SENDER CODE	PART NUMBER	ORDER NUMBER
Engine Sync (gauge only)	2”	PORT-STBD.	REQUIRES “L”	65495P	106-65495
Fuel Gauge:	2”	E-1/2-F	REQUIRES “F”	65496P	106-65496
Hourmeter:	2”	10,000 Hrs.	NONE REQ’D	65497P	106-65497
Oil Pressure Gauges (Electric): Oil Pressure 80 PSI Oil Pressure 100 PSI	 2” 2”	 0-80 PSI 0-100 PSI	 REQUIRES “C” REQUIRES “C”	 65501P 65498P	 106-65501 106-65498
Speedometer Kits: 35 MPH (Pitot type) 35 MPH (Pitot type) Head Only 50 MPH (Pitot type) 50 MPH (Pitot type) Head Only 65 MPH (Pitot type) 80 MPH (Pitot type) 80 MPH (Pitot type) Head Only	 3” 3” 3” 3” 3” 3” 3”	 5-35 MPH 5-35 MPH 10-50 MPH 10-50 MPH 10-65 MPH 20-80 MPH 20-80 MPH	 INCLUDES “G” INCLUDES “G” INCLUDES “G” INCLUDES “G” 	 61751P 61751PH 61752P 61752PH 65510P 65670P 65670PH	 106-61751 106-61751-1 106-61752 106-61752-1 106-65510 106-65670 106-65670-1
Systems Check – Evinrude/Johnson	2”	SYSTEMS DATA	BY ENG. MFR.	65206SSP	106-65206
Tachometer (Electric): O/B & 4-Stroke Gas Engines* Systems Check – Evinrude/Johnson	 3” 3”	 0-7000 RPM 0-7000 RPM	 O/B ALT./COIL O/B ALT./COIL	 65693P 64477FP	 106-65693 106-64477
Tachometer/Hourmeters (Electric): O/B & 4-Stroke Gas Engines* Diesel Alternator*** Diesel Magnetic Pickup, 90-180 Teeth	 3” 3” 3”	 0-7000 RPM 0-4000 RPM 0-4000 RPM	 O/B ALT./COIL SEE “T” REQUIRES “B”	 65129P 65671P 65692P	 106-65129 106-65671 106-65692
Trim Gauges (Outboard, I/O): Evinrude/Johnson Outboard Honda Outboards Mariner/Merc/Cobra/Volvo DP, SX, Yamaha 2001, and on Suzuki 4-Stroke, 2002 to date Yamaha Outboards, pre 2001	 2” 2” 2” 2” 2”	 UP-DOWN UP-DOWN UP-DOWN UP-DOWN UP-DOWN	 BY ENG. MFR. BY ENG. MFR. BY ENG. MFR. BY ENG. MFR. BY ENG. MFR.	 65502P 65503P 65504P 65502P 65505P	 106-65502 106-65503 106-65504 106-65502 106-65505
Voltmeter-12 Volt:	2”	8-18 VDC	NONE REQ’D	65506P	106-65506
Systems Monitor – Suzuki:	2”	SYSTEM DATA	BY ENG. MFR.	65669SSP	
Water Pressure Kit (Outboard):** Each kit includes fittings and 20 feet of tubing)	2”	30 PSI	INCLUDES “WP”	65507P	106-65507
Water Temp. Kit (Outboard):** (For all electric-start outboards)	2”	COLD-HOT	INCLUDES “J”	65508P	106-65508
Water Temp. Gauge (I/O, I/B):	2”	120-240°F	REQUIRES “D”	65509P	106-65509

** Not tested for complete aftermarket ignition systems, will work with aftermarket replacement parts.*
*** May require alternator tap.***Adapter (Order No. 106-61886, Mfr. No. 61886P) is required for Yamaha. Use 4000 RPM tachometer or lower for diesel applications.*

For more information see: www.catalog.sierraparts.com

ARCTIC

68371P

68383P

ARCTIC

Stylish white bezel design, black on white graphics, accurate and reliable, these tough instruments look good on all types of boats. Domed glass sheds water and resists scratching.

FEATURES:

- Instruments available for most outboards,stern drives and gasoline-powered inboards.
- Scratch-resistant domed glass lenses.
- Enhanced illumination: through-dial and periemeter lighting for excellent readability at night.
- Low-range speedometers.
- U.S. and metric scales, with ISO symbols, where appropriate.
- Optional add-on square bezel available

(See Page 222 for details).

GAUGE DESCRIPTION	SIZE	DIAL RANGE	SENDER CODE	PART NUMBER	ORDER NUMBER
Ammeter	2”	60-0-60	REQUIRES “F”	68364P	043-68364
Fuel Gauge	2’	(E-F)	NONE REQ’D.	68365P	043-68365
Hourmeter	2’	10,000 hrs		68366P	043-68366
Eng Oil Pressure Gauge 0-80 PSI	2’	0-80 PSI	REQUIRES “C”	68367P	043-68367
Water Pressure Kits (Outboard): (Each kit includes fittings and 20 feet of tubing).	2”	0-40 PSI	INCLUDES “WP”	68369P	043-68369
GPS Speedometer: 35 MPH 80 MPH	 3” 3”	 0-35 MPH 0-80 MPH	 GPS RECEIVER GPS RECEIVER	 781-683-035P 781-683-080P	 781-683035 781-683080
Speedo Kit 0-35 mph (inc Pitot and Hose) Speedo Kit 0-65 mph (inc Pitot and Hose) Speedo Kit 0-80 mph (inc Pitot and Hose)	3” 3” 3”	5-35 MPH 10-65 MPH 20-80 MPH	INCLUDES “G” INCLUDES “G” INCLUDES “G”	68370P 68371P 68372P	043-68370 043-68371 043-68372
Tachometer 0-4000 RPM Diesel Alt Tachometer 0-7000 RPM Tach/Hourmeter 0-7000 RPM Petrol/Gas	3” 3” 3”	0-4000 RPM 0-7000 RPM 0-7000 RPM	ALTERNATOR O/B ALT./COIL O/B ALT./COIL	68373P 68374P 68375P	043-68373 043-68374 043-68375
I/O, I/B Water Temp Gauge	2”	120-240ºF	REQUIRES “D”	68376P	043-68376
Outboard Water Temp Kit (Cold-Hot)	2”	100-220ºF	INCLUDES “J”	68377P	043-68377
Trim, Evinrude/Johnson O/B Trim, Honda Trim, Mariner/Merc, Yamaha 2001 Trim, Yamaha Outboards, pre 2001	2” 2” 2” 2”	UP-DOWN UP-DOWN UP-DOWN UP-DOWN	BY ENG. MFR. BY ENG. MFR. BY ENG. MFR. BY ENG. MFR.	68378P 68379P 68380P 68381P	043-68378 043-68379 043-68380 043-68381
12v Voltmeter, 8-18 Volts	2”	8-18 VDC	NONE REQ’D.	68383P	043-68383
12v Battery Condition Indicator	2”		NONE REQ’D.	68384P	043-68384
System Check - Evinrude/Johnson	2”		BY ENG. MFR.	68385P	043-68385
Instrument Set “OUTBOARD”	Contains: 68374P, 68371P, 68365P, 68383P			68387P	043-68387
Instrument Set “INBOARD/STERNDRIVE”	Contains: 68374P, 68371P, 68365P, 68383P, 68376P, 68367P			68388P	043-68388
Instrument Set OB w/Tach/Hr	Contains: Contains: 68375P, 68371P, 68365P, 68383P			69710P	105-69710
Instrument Set IB/IO w/Tach/Hr	Contains: 68375P, 68371P, 68365P, 68383P, 68376P, 68367P			69711P	105-69711
Twin Engine Add On IB/IO Gauge Kit	Contains: 68374P, 68383P, 68376P, 68367P			69724P	105-69724
Twin Engine Add On OB Gauge Kit	Contains: 68374P, 68383P			69723P	105-69723

Use 4000 RPM tachometer or lower for diesel applications.
Cutouts: 3" Gauge 3-13/32", 2" Gauge 2-1/8"

Sierra Marine Engine and Drive Parts

ECLIPSE

ECLIPSE

Smart white and blue graphics on a black dial background, these very low profile bezels follow the curve of the lense to eliminate water trapping. Design with domed glass sheds water and resists scratching.

FEATURES:

- Instruments available for most outboards, stern drives and gasoline-powered inboards.
- Scratch-resistant domed glass lenses.
- Perimeter lighting for excellent readability at night.
- U.S. and metric scales, with ISO symbols, where appropriate.
- Optional add-on square bezel available

(See Page 222 for details).

GAUGE DESCRIPTION	SIZE	DIAL RANGE	SENDER CODE	PART NUMBER	ORDER NUMBER
Ammeter	2”	60-0-60	REQUIRES “F”	68389P	043-68389
Fuel Gauge	2”	(E-F)	NONE REQ’D.	68390P	043-68390
Hourmeter	2”	10,000 hrs		68391P	043-68391
Eng Oil Pressure gauge 0-80 PSI Eng Oil Pressure gauge 0-100 PSI	2” 2”	0-80 PSI 0-100 PSI	REQUIRES “C” REQUIRES “C”	68392P 68393P	043-68392 043-68393
Water Pressure Kits (Outboard): (Each kit includes fittings and 20 feet of tubing).	2”	0-40 PSI	INCLUDES “WP”	68394P	043-68394
GPS Speedometer: 35 MPH 80 MPH	 3” 3”	 0-35 MPH 0-80 MPH	 GPS RECEIVER GPS RECEIVER	 781-684-035P 781-684-080P	 781-684035 781-684080
Speedo Kit 0-35 mph (inc Pitot and Hose) Speedo Kit 0-65 mph (inc Pitot and Hose) Speedo Kit 0-80 mph (inc Pitot and Hose)	3” 3” 3”	5-35 MPH 10-65 MPH 20-80 MPH	INCLUDES “G” INCLUDES “G” INCLUDES “G”	68395P 68396P 68397P	043-68395 043-68396 043-68397
Tachometer 0-4000 RPM Diesel Alt Tachometer 0-7000 RPM Tach/Hourmeter 0-7000 RPM Petrol/Gas	3” 3” 3”	0-4000 RPM 0-7000 RPM 0-7000 RPM	ALTERNATOR O/B ALT./COIL O/B ALT./COIL	68398P 68399P 68400P	043-68398 043-68399 043-68400
I/O, I/B Water Temp Gauge	2”	120-240ºF	REQUIRES “D”	68401P	043-68401
Outboard Water Temp Kit (Cold-Hot) - includes “J”	2”	100-220ºF	INCLUDES “J”	68402P	043-68402
Trim, Evinrude/Johnson O/B Trim, Honda Trim, Mariner/Merc, Yamaha 2001 Trim, Yamaha Outboards, pre 2001	2” 2” 2” 2”	UP-DOWN UP-DOWN UP-DOWN UP-DOWN	BY ENG. MFR. BY ENG. MFR. BY ENG. MFR. BY ENG. MFR.	68403P 68404P 68405P 68406P	043-68403 043-68404 043-68405 043-68406
12v Voltmeter, 8-18 Volts	2”	8-18 VDC	NONE REQ’D.	68408P	043-68408
12v Battery Condition Indicator	2”		NONE REQ’D.	68409P	043-68409
System Check - Evinrude/Johnson	2”		BY ENG. MFR.	68410P	043-68410
Instrument Set “OUTBOARD”	Contains: 68399P, 68396P, 68390P, 68408P			68412P	043-68412
Instrument Set “INBOARD/STERNDRIVE”	Contains: 68399P, 68396P, 68390P, 68408P, 68401P, 68392P			68413P	043-68413
Twin Engine Add On IB/IO Gauge Kit	Contains: 68399P, 68408P, 68401P, 68392P			69726P	105-69726
Twin Engine Add On OB Gauge Kit	Contains: 68399P, 68408P			69725P	105-69725
Instrument Set OB w/Tach/Hr	Contains: 68400P, 68396P, 68390P, 68408P			69712P	105-69712
Instrument Set IB/IO w/Tach/Hr	Contains: 68400P, 68396P, 68390P, 68408P, 68401P, 68392P			69713P	105-69713

**Use 4000 RPM tachometer or lower for diesel applications.*
Cutouts: 3" Gauge 3-13/32", 2" Gauge 2-1/8"

HEAVY DUTY SERIES

82288P

HEAVY DUTY

A classic line for inboards including diesels, Heavy Duty includes mechanical water temperature and oil pressure gauges, ammeters, engine sync gauges* and a range of diesel tachometers, including a programmable tach/hourmeter.

***Module required, not included with gauge.**

FEATURES:

- Classic white graphics and pointer on deep black faces. Low-profile polished stainless steel bezels.
- Perimeter lighting and scratch resistant glass lenses.
- Tachometers for diesels available.
- Several temperature and mechanical oil pressure gauges available.
- Programmable tach/hourmeter offered.
- Ideal replacement for Stewart-Warner® "Deluxe" instruments.
- Optional add-on square bezel available

(See Page 222 for details).

GAUGE DESCRIPTION	SIZE	DIAL RANGE	SENDER CODE	PART NUMBER	ORDER NUMBER
Ammeters:					
Direct Reading 40 Amp Range	2"	40-0-40A	NONE REQ'D.	80712P	043-80712
Direct Reading 60 Amp Range	2"	60-0-60A	NONE REQ'D.	80710P	043-80710
Fuel Gauge:	2"	E-1/2-F	REQUIRES "F"	80150P	043-80150
Hourmeter:	2"	10,000 Hrs.	NONE REQ'D.	82760P	043-82760
Oil Pressure Gauges (Electric):					
Oil Pressure 80 PSI	2"	0-80 PSI	REQUIRES "C"	80180P	043-80180
Oil Pressure 100 PSI	2"	0-100 PSI	REQUIRES "C"	80181P	043-80181
Oil Temperature Gauge (Electric):					
Oil Temperature 320°F	2"	140-320° F	REQUIRES "E"	80596P	043-80596
Tachometers (Electric):					
Diesel Alternator**	3"	0-3500 RPM	SEE "T"	82302P	043-82302
Diesel Magnetic Pickup, 90-180 Teeth	3"	0-3500 RPM	REQUIRES "B"	82303P	043-82303
Diesel Signaflex ***	3"	0-3500 RPM	SIGNAFLEX	82301P	043-82301
O/B & 4-Stroke Gas Engines*	3"	0-6000 RPM	O/B ALT./COIL	82288P	043-82288
Water Temp. Gauge (Electric):					
Water Temp 240°F	2"	120-240°F	REQUIRES "D"	80590P	043-80590
Water Temp 280°F, Nylon	2"	100-280	REQUIRES "P"	80593P	043-80593
Voltmeters-12 & 24 Volt:					
12 Volt System	2"	10-16 VDC	NONE REQ'D.	80134P	043-80134
24 Volt System	2"	20-32 VDC	NONE REQ'D.	80131P	043-80131

** Not tested for complete aftermarket ignition systems, will work with aftermarket replacement parts.*
*** May require alternator tap.*
Use 4000 RPM tachometer or lower for diesel applications.
***** Signalflex senders and drive tips are for dometic diesel engines only. (not for Lehman, Renault, Volvo, Yanmar, etc.)*
Cutouts: 3" Gauge 3-13/32", 2" Gauge 2-1/8"

ARGENT PRO

ARGENT PRO

Black graphics on a silver background, pointer has a black hub with fade resistant acrylic orange staff. Pointer is internally illuminated for excellent night visibility. Dial graphics light red when illuminated and scratch resistant glass lens with fog-resistant design and polished stainless steel bezel.

65545P

65550P

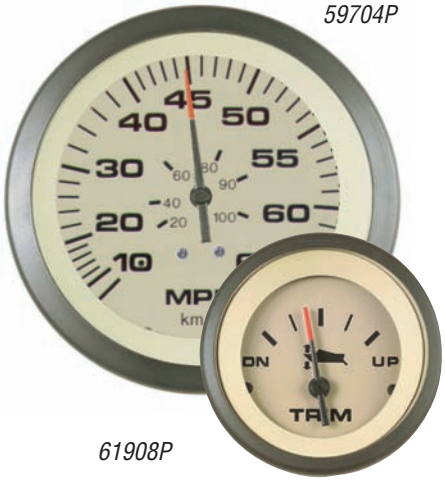
65547P

FEATURES:

- Translucent dial as well as into the pointer staff, provides the best in night visibility.
- Easy to read black graphics on a silver dial background.
- Domed glass lenses are scratch resistant
- Low profile bezels follow the curvature of the lens, with no "lip" to trap and hold water.
- Optional add-on square bezel available
  (See Page 222 for details).
- Fog-Resistant Design! Complies with SAE J-1810.

GAUGE DESCRIPTION	SIZE	DIAL RANGE	SENDER CODE	PART NUMBER	ORDER NUMBER
Fuel Gauge:	2"	E-1/2-F	REQUIRES "F"	65524P	043-65524
Oil Pressure Gauges (Electric): Oil Pressure 80 PSI Oil Pressure 100 PSI	 2" 2"	 0-80 PSI 0-80 PSI	 REQUIRES "C" REQUIRES "C"	 65526P 65525P	 043-65526 043-65525
GPS Speedometer: 60 MPH (Head Only)	 3"	 0-60 MPH	 GPS RECEIVER	 781-294-060P	 781-294060
Speedometer Kits: 50 MPH (Pitot type) 50 MPH (Pitot type) 70 MPH (Pitot type)	 3" 5" 3"	 5-50 MPH 5-50 MPH 20-70 MPH	 INCLUDES "G" INCLUDES "G" INCLUDES "G"	 65529P 65530P 65531P	 043-65529 043-65530 043-65531
Tachometer (Electric): O/B & 4-Stroke Gas Engines* O/B & 4-Stroke Gas Engines* Diesel Alternator*	 3" 5" 3"	 0-7000 RPM 0-7000 RPM 0-4000 RPM	 O/B ALT./COIL O/B ALT./COIL O/B ALT./COIL	 65535P 65536P 65537P	 043-65535 043-65536 043-65537
Tachometer/Hourmeter (Electric): O/B & 4-Stroke Gas Engines*	 3"	 0-7000 RPM	 O/B ALT./COIL	 65545P	 043-65545
Trim Gauges (Outboard, I/O): Evin/John/Suzuki 4-Stroke, 2002 & Up Mariner/Merc/Yamaha, 2001 & Up	 2" 2"	 UP-DOWN UP-DOWN	 BY ENG. MFR. BY ENG. MFR.	 65547P 65548P	 043-65547 043-65548
Voltmeter-12 Volt:	2"	10-16 VDC	NONE REQ'D	65550P	043-65550
Water Pressure Kit (Outboard):** Each kit includes fittings and 20 feet of tubing)	 2"	 30 PSI	 INCLUDES "WP"	 65551P	 043-65551
Water Temp. Gauge (I/O, Electric):	2"	120-240°F	REQUIRES "D"	65553P	043-65553

** Not tested for complete aftermarket ignition systems, will work with aftermarket replacement parts.*
**** Adapter (P/N 61886P-106-61886) is required for Yamaha.*
Use 4000 RPM tachometer or lower for diesel applications.
Cutouts: 3" Gauge 3-13/32", 2" Gauge 2-1/8"



59704P

61908P

SAHARA

FEATURES:

- Tan dial and retainer, black graduations and numerals, black pointer with fire-orange tip.
- Scratch resistant curved glass lenses, with black matte, near-flush bezels.
- White perimeter and red thru-dial lighting.
- U.S. and metric scales, with ISO symbols, where appropriate.
- Optional add-on square bezel available *(See Page 222 for details).*

SAHARA

With crisp tan dials and fire-orange pointer tip, Sahara gives any dash the elegant OEM look. Combined red through-dial and white perimeter lighting provide great night readability. These aren't merely "close enough" — they're the real thing!

GAUGE DESCRIPTION	SIZE	DIAL RANGE	SENDER CODE	PART NUMBER	ORDER NUMBER
Fuel Gauge:	2"	E-1/2-F	REQUIRES "F"	59707P	105-59707
Oil Pressure Gauge (Electric):	2"	0-80 PSI	REQUIRES "C"	59705P	105-59705
Speedometer Kits:					
35 MPH (Pitot type)	3"	5-35 MPH	INCLUDES "G"	61826P	106-61826
35 MPH (Pitot type) Head Only	3"	5-35 MPH		61826PH	106-61826-1
50 MPH (Pitot type)	3"	10-50 MPH	INCLUDES "G"	61163P	106-61163
65 MPH (Pitot type)	3"	10-65 MPH	INCLUDES "G"	59704P	105-59704
65 MPH (Pitot type) Head Only	3"	10-65 MPH		59704PH	105-59704-1
80 MPH (Pitot type)	3"	20-80 MPH	INCLUDES "G"	63076P	106-63076
80 MPH (Pitot type) Head Only	3"	20-80 MPH		63076PH	106-63076-1
Systems Check – Evinrude/Johnson	2"	SYSTEMS DATA	BY ENG. MFR.	66956P	106-66956
Tachometer (Electric):					
O/B & 4-Stroke Gas Engines*	3"	0-4000 RPM	O/B ALT./COIL	59703P	105-59703
Systems Check – Evinrude/Johnson	3"	0-4000 RPM	O/B ALT./COIL	61901P	106-61901
Tach/Hourmeter 0-7000 RPM	3"	0-4000 RPM	O/B ALT./COIL	69743P	105-69743
Trim Gauges (Outboard, I/O):					
Evinrude/Johnson Outboard	2"	UP-DOWN	BY ENG. MFR.	61908P	106-61908
Honda Outboards	2"	UP-DOWN	BY ENG. MFR.	62369P	106-62369
Mariner/Merc/Cobra/Volvo DP, SX, Yamaha 2001, and on	2"	UP-DOWN	BY ENG. MFR.	59709P	105-59709
Suzuki 4-Stroke, 2002 to date	2"	UP-DOWN	BY ENG. MFR.	61908P	106-61908
Voltmeter-12 Volt:	2"	8-18 VDC	NONE REQ'D	59708P	105-59708
Water Pressure Kit (Outboard):** Each kit includes fittings and 20 feet of tubing)	2"	40 PSI	INCLUDES "WP"	69870P	106-69870
Water Temp. Gauge (I/O, I/B):	2"	120-240°F	REQUIRES "D"	59706P	105-59706
Instrument Set "OUTBOARD"	Contains: 59703P, 59704P, 59707P, 59708P			65481P	106-65481
Instrument Set "INBOARD/STERNDRIVE"	Contains: 59703P, 59704P, 59707P, 59708P, 59706P, 59705P			65485P	106-65485
Twin Engine Add On IB/IO Gauge Kit	Contains: 59703P, 59708P, 59706P, 59705P			69717P	105-69717
Twin Engine Add On OB Gauge Kit	Contains: 59703P, 59708P			69716P	105-69716
Instrument Set OB w/Tach/Hr	Contains: 69743P, 59704P, 59707P, 59708P			69703P	105-69703
Instrument Set IB/IO w/Tach/Hr	Contains: 69743P, 59704P, 59707P, 59708P, 59706P, 59705P			69704P	105-69704

** Not tested for complete aftermarket ignition systems, will work with aftermarket replacement parts.*
**** Adapter (P/N 61886P-106-61886) is required for Yamaha.*
Use 4000 RPM tachometer or lower for diesel applications.
Cutouts: 3" Gauge 3-13/32", 2" Gauge 2-1/8"

STERLING

STERLING

Ideal for outboards and stern drives! With stainless steel bezels, brushed aluminum dials and black pointers, Sterling instruments give a bright, gleaming look to any dash. Perimeter lighting provided for night operation.

63475P

63477P

FEATURES:

- Brushed aluminum dial, black graduations/ numerals, black pointer.
- Scratch resistant curved glass lenses, with polished stainless steel, near-flush bezels.
- Perimeter lighting.
- U.S. and metric scales, with ISO symbols, where appropriate.
- Optional add-on square bezel available

(See Page 222 for details).

GAUGE DESCRIPTION	SIZE	DIAL RANGE	SENDER CODE	PART NUMBER	ORDER NUMBER
Fuel Gauge	2”	E-1/2-F	REQUIRES "F"	63477P	043-63477
Oil Pressure Gauge (Electric):	2”	0-80 PSI	REQUIRES “C”	63479P	043-63479
Speedometer Kits:					
65 MPH (Pitot type)	3”	10-65 MPH	INCLUDES “G”	63475P	043-63475
65 MPH (Pitot type) Head Only	3”	10-65 MPH		63475PH	043-63475-1
80 MPH (Pitot type)	3”	20-80 MPH	INCLUDES “G”	63476P	043-63476
80 MPH (Pitot type) Head Only	3”	20-80 MPH		63476PH	043-63476-1
Systems Check – Evinrude/Johnson:	2”	SYSTEM DATA	BY ENG. MFR.	63585P	043-63585
Tachometer (Electric): O/B & 4-Stroke Gas Engines*	3”	0-7000 RPM	O/B ALT./COIL	63473P	043-63473
Tachometer/Hourmeter (Electric): O/B & 4-Stroke Gas Engines*	3”	0-7000 RPM	O/B ALT./COIL	63474P	043-63474
Trim Gauges (Outboard, I/O):					
Evinrude/Johnson Outboard	2”	UP-DOWN	BY ENG. MFR.	63483P	043-63483
Mariner/Merc/Cobra/Volvo DP, SX, Yamaha 2001 and on	2”	UP-DOWN	BY ENG. MFR.	63482P	043-63482
Suzuki 4-Stroke, 2002 to date	2”	UP-DOWN	BY ENG. MFR.	63483P	043-63483
Voltmeter-12 Volt:	2”	8-18 VDC	NONE REQ’D	63478P	043-63478
Water Pressure Kit (Outboard):** (Kit includes fittings/20 feet of tubing)	2”	30 PSI	INCLUDES “WP”	63481P	043-63481
Water Temp. Gauge (I/O, I/B):	2”	120-240°F	REQUIRES “D”	63480P	043-63480

** Not tested for complete aftermarket ignition systems, will work with aftermarket replacement parts.*
**** Adapter (P/N 61886P-106-61886) is required for Yamaha.*
Use 4000 RPM tachometer or lower for diesel applications.
Cutouts: 3" Gauge 3-13/32", 2" Gauge 2-1/8"

BLACK STERLING

69073FP

69074FP

BLACK STERLING

With its rich luster and polish, Black Sterling instruments convey a look of utmost sophistication and add elegance to any dash. These instruments have fire-orange pointer tips and stainless graphics for a contemporary, ultra stylish look. Black Sterling instruments have clean, crisp black dials which highlight the stainless accents.

FEATURES:

- Scratch-resistant domed glass lens.
- Perimeter lit dial.
- Elite stainless steel bezel.
- Black pointer with fire orange tip.
- White graphics and black background on spun aluminum dial.
- Optional add-on square bezel available
  (See Page 222 for details).
- Fits most stern drive and outboard applications.
- US and Metric scales where appropriate.

MULTI-GAUGE FEATURES:

Combines 2 gauges in one.
Saves dash space.
Fog-Resistant Design! Complies with SAE J-1810.

MULTI-GAUGE DESCRIPTION	SIZE	DIAL RANGE	SENDER CODE	PART NUMBER	ORDER NUMBER
Tachometer: OB & 4 Cycle Gas	3”	0-7000 RPM	OB ALT./COIL	69073FP	**106-67363**
Speedo/Fuel	3”	0-50 MPH E-1/2-F	REQUIRES "G" REQUIRES "F"	69073FP	**106-69073**
Tach/Volt	3”	0-7000 RPM 8-18 VDC	O/B ALT./COIL NONE REQ'D	69074FP	**106-69074**

Use 4000 RPM tachometer or lower for diesel applications.
Cutouts: 3" Gauge 3-13/32", 2" Gauge 2-1/8"

UNIVERSAL HOURMETERS

- Track engine operating hours anywhere onboard for routine maintenance.
- Waterproof design!
- Uncluttered universal styles complement any cockpit or engine compartment.
- Available in round and rectangular models.
- Round style fits in 2-1/8" diameter cutout.
- Rectangular unit fits 1.5" x 1" hole.
- Units include mounting hardware & instructions.

WATERPROOF!

ORDER NO.	Mfr. No.	Description	Dial Range
105-56966	56966P	2" Round Hourmeter	10,000 hrs.
105-56967	56967P	2" Rectangular Hourmeter	10,000 hrs

SMALL ENGINE HOURMETER

Replaces: Yamaha ENG-METER-2C-01.
Allows hour monitoring for even the smallest gasoline motors.
Great for 2 or 4 stroke. no power or ground required. Water & shock proof. Automatically turns on and off with the engine.
Displays up to 9999 hours.
10 year internal battery lifetime.

ORDER NO.	Mfr. No.
105-56968	56968P

SMALL ENGINE TACHOMETER/HOURMETER

For any gasoline motor up to 2 cylinder. Displays RPM up to 9000. Allows hour monitoring for even the smallest outboard motors, great for 2 or 4 stroke. Displays RPM when running total hours when off. No power or ground required. Water and shock proof. Automatically turns on and off with the engine. Displays up to 9999 hours.
10 year internal battery lifetime.

ORDER NO.	Mfr. No.
105-56969	56969P

Sierra Marine Engine and Drive Parts

AMEGA® DOMED

AMEGA

Hottest selling black dial line! Amega® Domed has clean-looking black dials with white and red graphics plus through-dial and perimeter lighting for great readability. Amega has been very popular, available in several styles since its debut in 1986.

FEATURES:

- Black dial, red graduations, white numerals, vivid white pointer staff.
- Scratch resistant curved glass lenses, with black, near-flush bezels.
- U.S. and metric scales, with ISO symbols, where appropriate.
- Perimeter and thru-dial lighting.
- A comprehensive array of outboard water pressure instrument kits.
- Optional add-on square bezel available

(See Page 222 for details).

57900P

57904P

GAUGE DESCRIPTION	SIZE	DIAL RANGE	SENDER CODE	PART NUMBER	ORDER NUMBER
Fuel Gauge:	2”	E-1/2-F	REQUIRES “F”	57902P	105-57902
Hourmeter:	2”	10,000 Hrs.	NONE REQ’D	84760P	106-84760
Oil Pressure Gauge (Electric):					
Oil Pressure 80 PSI	2”	0-80 PSI	REQUIRES “C”	57903P	105-57903
Oil Pressure 100 PSI	2”	0-100 PSI	REQUIRES “C”	57929P	105-57929
GPS Speedometer:					
35 MPH	3”	0-35 MPH	GPS RECEIVER	781-579-035P	781-579035
80 MPH	3”	0-80 MPH	GPS RECEIVER	781-579-080P	781-579080
Speedometer Kits:					
35 MPH (Pitot type)	3”	5-35 MPH	INCLUDES “G”	58342P	105-58342
35 MPH (Pitot type) Head Only	3”	5-35 MPH		58342PH	105-58342-1
50 MPH (Pitot type)	3”	10-50 MPH	INCLUDES “G”	57898P	105-57898
50 MPH (Pitot type) Head Only	3”	10-50 MPH		57898PH	105-57898-1
65 MPH (Pitot type)	3”	10-65 MPH	INCLUDES “G”	57900P	105-57900
65 MPH (Pitot type) Head Only	3”	10-65 MPH		57900PH	105-57900-1
80 MPH (Pitot type)	3”	20-80 MPH	INCLUDES “G”	57899P	105-57899
80 MPH (Pitot type) Head Only	3”	20-80 MPH		57899PH	105-57899-1
Systems Check – Evinrude/Johnson	2”	SYSTEMS DATA	BY ENG. MFR.	65205P	106-65205
Tachometer (Electric):					
O/B & 4-Stroke Gas Engines*	3”	0-7000 RPM	O/B ALT./COIL	58255P	105-58255
Systems Check – Evinrude/Johnson	3”	0-7000 RPM	O/B ALT./COIL	58935P	105-58935
Tachometer/Hourmeter (Electric):	3”	0-6000 RPM	O/B ALT./COIL	57897P	105-57897
O/B & 4-Stroke Gas Engines*	3”	0-7000 RPM	O/B ALT./COIL	68443P NEW!	105-68443
Trim Gauges (Outboard, I/O):					
Evinrude/Johnson Outboard	2”	UP-DOWN	BY ENG. MFR.	58431P	105-58431
Honda	2”	UP-DOWN	BY ENG. MFR.	68359P	105-68359
Mariner/Merc/Cobra/Volvo DP, SX, Yamaha 2001, and on	2”	UP-DOWN	BY ENG. MFR.	57905P	105-57905
Yamaha PRE 2001	2”	UP-DOWN	BY ENG. MFR.	61748P	106-61748
Suzuki 4-Stroke, 2002 to date	2”	UP-DOWN	BY ENG. MFR.	58431P	105-58431
Voltmeter-12 Volt:	2”	8-18 VDC	NONE REQ’D	57901P	105-57901
Water Pressure Kit (Outboard):** (Each kit includes fittings and 20 feet of tubing)	2”	30 PSI	INCLUDES “WP”	61238P	106-61238
Water Temp. Kit (Outboard):** (For all electric-start outboards)	2”	100-220°F	INCLUDES “J”	58862P	105-58862
Water Temp. Gauge (I/O, I/B):	2”	120-240°F	REQUIRES “D”	57904P	105-57904
Instrument Set “OUTBOARD”	Contains: 58255P, 57900P, 57902P, 57901P			68362P	105-68362
Instrument Set “INBOARD/STERNDRIVE”	Contains: 58255P, 57900P, 57902P, 57901P, 57904P, 57903P			68363P	105-68363
Twin Engine Add On IB/IO Gauge Kit	Contains: 58255P, 57901P, 57904P, 57903P			69722P	105-69722
Twin Engine Add On OB Gauge Kit	Contains: 58255P, 57901P			69721P	105-69721
Instrument Set OB w/Tach/Hr	Contains: 68443P, 57900P, 57902P, 57901P			69708P	105-69708
Instrument Set IB/IO w/Tach/Hr	Contains: 68443P, 57900P, 57902P, 57901P, 57904P, 57903P			69709P	105-69709

** Not tested for complete aftermarket ignition systems, will work with aftermarket replacement parts.*
**** Adapter (P/N 61886P-106-61886) is required for Yamaha. Cutouts: 3" Gauge 3-13/32", 2" Gauge 2-1/8"*

Sierra Marine Engine and Drive Parts

GPS SPEEDOMETERS

781-579035

781-627080

781-683035

781-684080

GPS SPEEDOMETERS

These GPS speedometers provide accurate speed over ground readings and heading information all in one attractive package. Available in various speed ranges to meet your application, these speedometers are offered in a number of popular styles to match the colours in your boat like Premier Pro, Amega, Arctic, Eclipse, & Argent Pro instrument lines.

FEATURES:

- Available in speed ranges of 35 MPH, 80 MPH and 120 MPH.
- Included LCD heading display to show course over ground.
- Use our GPS antenna (Sold separately) or connect to an existing NMEA 0183 GPS device – connectors included.
- Speed accuracy of +/- 1 MPH (once moving).
- Heading accuracy of +/- 1 degree (once moving).
- Ideal for slow speed applications like pontoon boats and for high speed performance boats where pitot tubes do not perform well

GAUGE DESCRIPTION	SIZE	DIAL RANGE	SENDER CODE	PART NUMBER	ORDER NUMBER
PREMIER PRO:					
35 MPH	3"	0 - 35 MPH	GPS Receiver	781-627-035P	**781-627035**
80 MPH	3"	0 - 80 MPH	GPS Receiver	781-627-080P	**781-627080**
120 MPH	3"	0 - 120 MPH	GPS Receiver	781-627-120P	**781-627120**
AMEGA:					
35 MPH	3"	0 - 35 MPH	GPS Receiver	781-579-035P	**781-579035**
80 MPH	3"	0 - 80 MPH	GPS Receiver	781-579-080P	**781-579080**
ARCTIC:					
35 MPH	3"	0 - 35 MPH	GPS Receiver	781-683-035P	**781-683035**
80 MPH	3"	0 - 80 MPH	GPS Receiver	781-683-080P	**781-683080**
ECLIPSE:					
35 MPH	3"	0 - 35 MPH	GPS Receiver	781-684-035P	**781-684035**
80 MPH	3"	0 - 80 MPH	GPS Receiver	781-684-080P	**781-684080**
ARGENT PRO:					
60 MPH	3"	0 - 60 MPH	GPS Receiver	781-294-060P	**781-294060**
GPS RECEIVER:					
	25'			68755P	**781-68755**
	4'			69053P	**781-69053**

68755P

ORDER NO. 781-68755
Mfr. No. 68755P

GPS RECEIVERS

For use with Sierra GPS speedometers.

- Highly sensitive receiver
- Precise information output even when mounted under a fiberglass console or bimini top
- Durable exterior
- Updates once every second to output accurate NMEA 0183 information
(*Updates 10 times per second #69053P)

69053P*

ORDER NO. 781-69053 Mfr. No. 69053P*
*Updates 10 times per second
- 4' Long

DEPTH GAUGE & TRANSDUCER KIT

- Clamshell packaging for easy POP display
- Depth range to 600 ft. & on plane readings up to 60mph
- Includes two interchangeable faces (Black, White) and three bezels (Black, White, Chrome) designed to match most Sierra gauge series
- Automatic range and sensitivity adjustments for no-worry usage
- Polarized LCD display for easy viewing in any environment
- 30 ft. transducer cable length for small or large boat installations on package
- Installation and user manual available on Sierramarine.com or using the QR code
- Dual-mount transducer can be transom mounted or internally glue mounted to hull
- Dual depth alarms can be set to warn of depth changes
- One touch alarm muting instantly silences audible alarm
- User selected unit of measure (feet or meter)
- Keel offset designed to properly adjust depth readings
- LED backlit display for easy viewing at night
- High speed transducer resolution of 7X per second
- Fits 2-1/8" hole

NEW!

ORDER NO. 781-26000
Mfr. No. 26000P

5" - BLACK PREMIER SERIES STAINLESS STEEL MULTI-FUNCTIONAL GAUGE KITS

Speedometer (80 MPH) - Features Fuel Level & Voltmeter
Tachometer (0-7000 RPM) - Features Trim & Water Pressure (30 psi)

NEW!

Fits: Mercury/Yamaha Engines
ORDER NO. 781-20000
Mfr. No. 20000P

Fits: Evinrude/Suzuki Engines
ORDER NO. 781-20010
Mfr. No. 20010P

Anti-fog coated lens reduces fogging. Domed glass lens resists scratching and total lens washout in sunlight. Stainless steel bezel, silicon dampened pointers reduces pointer bounce in rough waters. Reverse polarity protection. Optional eyebrow bezels available for stylish look. Perimeter lit dial and pointer, incandescent bulb lighting. Includes pitot tube and water pressure installation kit.

5" - WHITE PREMIER SERIES STAINLESS STEEL MULTI-FUNCTIONAL GAUGE KITS

Speedometer (80 MPH) - Features Fuel Level & Voltmeter
Tachometer (0-7000 RPM) - Features Trim & Water Pressure (40 psi)

NEW!

Fits: Mercury/Yamaha Engines
ORDER NO. 781-21000
Mfr. No. 21000P

Fits: Evinrude/Suzuki Engines
ORDER NO. 781-21010
Mfr. No. 21010P

Anti-fog coated lens reduces fogging. Domed glass lens resists scratching and total lens washout in sunlight. Stainless steel bezel, silicon dampened pointers reduces pointer bounce in rough waters. Reverse polarity protection. Optional eyebrow bezels available for stylish look. Perimeter lit dial and pointer, incandescent bulb lighting. Includes pitot tube and water pressure installation kit.

5" - DEEP-VEE SERIES MULTI-FUNCTIONAL GAUGE KITS

Speedometer (60 MPH) - Features Trim Gauge
Tachometer/Hourmeter (0-7000 RPM) - Features Fuel/Voltmeter

NEW!

Fits: Mercury/Yamaha Engines
ORDER NO. 781-22000
Mfr. No. 22000P

Fits: Evinrude/Suzuki Engines
ORDER NO. 781-22010
Mfr. No. 22010P

Fits: Honda Engines
ORDER NO. 781-22020
Mfr. No. 22020P

Anti-fog coated lens reduces fogging. Domed glass lens resists scratching and total lens washout in sunlight. Stainless steel bezel, silicon dampened pointers reduces pointer bounce in rough waters. Reverse polarity protection. Optional eyebrow bezels available for stylish look. Fully backlit dial with grey numerals and gradients while backlit blue for balanced lighting. Fully backlit pointer, 3D dial design provides larger dial viewing area without increasing gauge footprint, LED lighting. Hourmeter included in tachometer, GPS speedometer for accurate speed readings. No clogging or damaged pitots and tubing to worry about. GPS receiver included. Deutsch electrical connectors included.

Sierra
Marine Engine and Drive Parts

R3 DIGITAL GAUGE

TOUCH SCREEN DISPLAY

72236P CANBUS DISPLAY:

NEW!

For use with digital or analog engines; Direct fit for most 3 3/8" cutouts.

Fully round, edge-to-edge LCD-color display; Customizable screen with capacitive touch abilities, providing the styling of a traditional analog gauge with the modern ability to change looks to suit any application;

CC ORDER NO.
781-72236
Mfr. No. 72236P

FEATURES:

- IP67 Protection;
- 850 NIT backlit display for full sunlight readability;
- 432 x 432 screen resolution;
- Rugged and reliable CAN Display;
- 2 x CANBus & 1 x RS485 connection;
- 6 x Analog, 1 x Frequency Input;
- 5 x Outputs;
- NMEA 2000;
- Flash Memory 8MB;
- RAM 256KB;
- EEPROM 4KB;
- Display PCAP LCD 2.93" Round;
- Viewing Angle 70°;
- Contrast Ratio 700:1;
- Power 10-32V DC;
- Sounder: Internal Buzzer;

GAUGE TYPE	DIAL RANGE	DESCRIPTION	SENDER	CHESAPEAKE S/S WHITE	CHESAPEAKE S/S BLACK	CORAL
4" Tachometer	6000 RPM	All 4,6 & 8 cyl. inboard & I/O Gas Engines	Not Required	860-33807	860-33710	860-33004
4" Tachometer	7000 RPM	All Outboard Engines (4,6,8,10,12 & 20 Pole)	Not Required	860-33817	860-33718	860-33005
4" Tach/Hourmeter	6000 RPM	All 4,6 & 8 cyl. inboard Gas Engines	Not Required	860-33832	860-33732	
4" Tach/Hourmeter	7000 RPM	All Gas outboard Engines (4,6,8,10,12 & 20 Pole)	Not Required	860-33840		
4" Tach + System Check™	7000 RPM	Operator Warning System for '96 & newer electric start OMC gas outboards (Johnson & Evinrude)	OMC System Check™	860-33850	860-33750	
4" Speedometer	5-35 MPH	Requires Pitot Tube or Connection to drive unit	Not Included			
4" Speedometer	10-55 MPH	Requires Pitot Tube or Connection to drive unit	Not Included			860-33009
4" Speedometer	10-60 MPH	Requires Pitot Tube or Connection to drive unit	Not Included	860-33811	860-33704	
4" Speedometer	10-65 MPH	Requires Pitot Tube or Connection to drive unit	Not Included			
4" Speedometer	10-80 MPH	Requires Pitot Tube or Connection to drive unit	Not Included	860-33819		
2" Ammeter	60-0-60	Indicates electrical charge / discharge	Not Required		860-13736	
2" Clock		Quartz Analog	Not Required	860-13891		
2" Cylinder Head Temperature	60-220˚F	All water cooled outboard motors	Included	860-13806		860-13009
2" Fuel Level Gauge	E-1/2-F	Requires universal 240-33 Ohm Sender	Not Included	860-13801	860-13701	860-13001
2" Hourmeter	10,000 Hrs.	Elapsed time in hours/tenths, not illuminated	Not Required			860-13019
2" Oil Pressure Gauge	80 PSI	All inboard & I/O engines	See Chart	860-13802	860-13702	860-13002
2" Rudder Angle Indicator	Port-Stbd	Indicates relative position of rudder	See Chart	860-13822	860-13725	
2" Tank Level Gauge	E-1/2-F	Requires OEM Sender - N/A from C.C. Marine	Not Included			
2" Trim Gauge Merc/Mariner	Up-Down	Also Volvo DP, '96 & newer Volvo & Yamaha S/D	Requires	860-13807	860-13707	860-13017
2" Trim Gauge J/E	Up-Down	Johnson & Evinrude Outboards	sending unit	860-13809	860-13709	860-13016
2" Trim Gauge Cobra	Up-Down	OMC Cobra Volvo SX Drives	on outboard	860-13808		
2" Trim Gauge Honda	Up-Down	Honda. May require Honda wiring harness #93100	Drive	860-13889		
2" Voltmeter	10-16 Volt	For all 12 volt electrical systems	Not Required	860-13805	860-13705	860-13010
2" Water Pressure Gauge Kit	30 PSI	All water cooled outboard & I/O engines	Not Required	860-13812	860-13712	860-13003
2" Water Pressure Gauge Kit	60 PSI	All water cooled outboard & I/O engines	Not Required			
2" Water Temperature Gauge	100-250˚F	All inboard & I/O engines	See Chart	860-13804	860-13704	860-13004

MARINE INSTRUMENTS

GAUGE TYPE	DIAL RANGE	DESCRIPTION	SENDER	DRESS WHITE	EURO BLACK	EURO WHITE
4" Tachometer	6000 RPM	All 4,6 & 8 cyl. inboard & I/O Gas Engines	Not Required	860-33103	860-32804	860-32904
4" Tachometer	7000 RPM	All Outboard Engines (4,6,8,10,12 & 20 Pole)	Not Required	860-33104	860-32805	860-32905
4" Tach/Hourmeter	6000 RPM	All 4,6 & 8 cyl. inboard Gas Engines	Not Required	860-33132	860-32832	
4" Tach/Hourmeter	7000 RPM	All Gas outboard Engines (4,6,8,10,12 & 20 Pole)	Not Required	860-33140	860-32840	
4" Tach + System Check™	7000 RPM	Operator Warning System for '96 & newer electric start OMC gas outboards (Johnson & Evinrude)	OMC System Check™	860-33150	860-32850	860-32950
4" Speedometer	5-35 MPH	Requires Pitot Tube or Connection to drive unit	Not Included			
4" Speedometer	10-55 MPH	Requires Pitot Tube or Connection to drive unit	Not Included	860-33112	860-32810	860-32909
4" Speedometer	10-60 MPH	Requires Pitot Tube or Connection to drive unit	Not Included			
4" Speedometer	10-65 MPH	Requires Pitot Tube or Connection to drive unit	Not Included			
4" Speedometer	10-80 MPH	Requires Pitot Tube or Connection to drive unit	Not Included	860-33113	860-32812	
4" Engine Synchronizer	Port-Stbd	All twin gas & diesel inboard, I/O & outboard	Not Required			
2" Ammeter	60-0-60	Indicates electrical charge / discharge	Not Required		860-12822	
2" Clock		Quartz Analog	Not Required		860-12825	
2" Cylinder Head Temperature	60-220˚F	All water cooled outboard motors	Included	860-13113	860-12819	
2" Fuel Level Gauge	E-1/2-F	Requires universal 240-33 Ohm Sender	Not Included	860-13101	860-12801	860-12901
2" Hourmeter	10,000 Hrs.	Elapsed time in hours/tenths, not illuminated	Not Required			860-12913
2" Oil Pressure Gauge	80 PSI	All inboard & I/O engines	See Chart	860-13102	860-12803	860-12902
2" Rudder Angle Indicator	Port-Stbd	Indicates relative position of rudder	See Chart		860-12833	
2" Tank Level Gauge	E-1/2-F	Requires OEM Sender - N/A from C.C. Marine	Not Included		860-12830	
2" Trim Gauge Merc/Mariner	Up-Down	Also Volvo DP, '96 & newer Volvo & Yamaha S/D	Requires	860-13122	860-12828	860-12916
2" Trim Gauge J/E	Up-Down	Johnson & Evinrude Outboards	sending unit	860-13123	860-12827	860-12915
2" Trim Gauge Cobra	Up-Down	OMC Cobra Volvo SX Drives	on outboard			
2" Trim Gauge Honda	Up-Down	Honda. May require Honda wiring harness #93100	Drive			
2" Voltmeter	10-16 Volt	For all 12 volt electrical systems	Not Required	860-13120	860-12821	860-12911
2" Water Pressure Gauge Kit	30 PSI	All water cooled outboard & I/O engines	Not Required	860-13108	860-12810	860-12903
2" Water Pressure Gauge Kit	60 PSI	All water cooled outboard & I/O engines	Not Required		860-12875	
2" Water Temperature Gauge	100-250˚F	All inboard & I/O engines	See Chart	860-13110	860-12812	860-12904

Packard Connector

GAUGE TYPE	DIAL RANGE	DESCRIPTION	SENDER	SPUN SILVER	KRONOS
4" Tachometer	6000 RPM	All 4,6 & 8 cyl. inboard & I/O Gas Engines	Not Required	860-36004	860-39004
4" Tachometer	7000 RPM	All Outboard Engines (4,6,8,10,12 & 20 Pole)	Not Required	860-36005	860-39005
4" Tach/Hourmeter	6000 RPM	All 4,6 & 8 cyl. inboard Gas Engines	Not Required	860-36032	
4" Tach/Hourmeter	7000 RPM	All Gas outboard Engines (4,6,8,10,12 & 20 Pole)	Not Required		860-39040
4" Tach + System Check™	7000 RPM	Operator Warning System for '96 & newer electric start OMC gas outboards (Johnson & Evinrude)	OMC System Check™		
4" Speedometer	5-35 MPH	Requires Pitot Tube or Connection to drive unit	Not Included		
4" Speedometer	10-55 MPH	Requires Pitot Tube or Connection to drive unit	Not Included		
4" Speedometer	10-60 MPH	Requires Pitot Tube or Connection to drive unit	Not Included		860-39009
4" Speedometer	10-65 MPH	Requires Pitot Tube or Connection to drive unit	Not Included		
4" Speedometer	10-80 MPH	Requires Pitot Tube or Connection to drive unit	Not Included		
4" Engine Synchronizer	Port-Stbd	All twin gas & diesel inboard, I/O & outboard	Not Required		
2" Ammeter	60-0-60	Indicates electrical charge / discharge	Not Required		
2" Clock		Quartz Analog	Not Required		
2" Cylinder Head Temperature	60-220˚F	All water cooled outboard motors	Included		
2" Fuel Level Gauge	E-1/2-F	Requires universal 240-33 Ohm Sender	Not Included	860-16001	860-19001
2" Hourmeter	10,000 Hrs.	Elapsed time in hours/tenths, not illuminated	Not Required	860-16020	860-19020
2" Oil Pressure Gauge	80 PSI	All inboard & I/O engines	See Chart		860-19002
2" Rudder Angle Indicator	Port-Stbd	Indicates relative position of rudder	See Chart		
2" Tank Level Gauge	E-1/2-F	Requires OEM Sender - N/A from C.C. Marine	Not Included		
2" Trim Gauge Merc/Mariner	Up-Down	Also Volvo DP, '96 & newer Volvo & Yamaha S/D	Requires	860-16016	860-19005
2" Trim Gauge J/E	Up-Down	Johnson & Evinrude Outboards	sending unit		
2" Trim Gauge Cobra	Up-Down	OMC Cobra Volvo SX Drives	on outboard		
2" Trim Gauge Honda	Up-Down	Honda. May require Honda wiring harness #93100	Drive		
2" Voltmeter	10-16 Volt	For all 12 volt electrical systems	Not Required	860-16023	860-19004
2" Water Pressure Gauge Kit	30 PSI	All water cooled outboard & I/O engines	Not Required		860-19007
2" Water Pressure Gauge Kit	60 PSI	All water cooled outboard & I/O engines	Not Required		
2" Water Temperature Gauge	100-250˚F	All inboard & I/O engines	See Chart	860-16004	860-19003

Packard Connector

860-13807	860-33811	860-13822	860-33840

CHESAPEAKE SS WHITE™

Design Features:
Perimeter-lighted white dial with stylish blue and black graphics, polished stainless steel bezel, contoured black pointer, domed glass lens.

INSTRUMENT	DIAL RANGE	DESCRIPTION	SENDER	SIZE	ORDER NO.
Tachometer	6000 RPM	For all 4, 6, & 8 cylinder inboard & I/O gas engines.	Not Required	4"	**860-33807**
	7000 RPM	Universal for all outboard engines (4,6,8,10,12, & 20 pole)	Not Required	4"	**860-33817**
Tach / Hourmeter	6000 RPM	For all 4, 6, & 8 cylinder inboard gas engines.	Not Required	4"	**860-33832**
Integral Electonic LCD Hourmeter	7000 RPM	Universal for all outboard engines (4,6,8,10,12, & 20 pole)	Not Required	4"	**860-33840**
Tach + System Check™	7000 RPM	Operator Warning System for '96 & newer electric start	OMC System	4"	**860-33850**
Operator Warning System Indicator		OMC outboards (Johnson & Evinrude)	Check™		
Speedometer	60 MPH	10 - 60 MPH	Requires pitot	4"	**860-33811**
	80 MPH	10 - 80 MPH	tube or connection	4"	**860-33819**
			to lower drive unit		
GPS Speedometer	60 MPH	10 - 60 MPH (GPS) (Studded)	Not Required	4"	**860-33839**
	80 MPH	10 - 80 MPH	Not Required	4"	**860-33829**
Pitot Kit		Universal speedometer pickup tube kit with hardware			**860-91109**
		Same as above with 20 feet of tubing.			**860-91106**
Clock		Quartz analog	Not Required	2"	**860-13891**
Cylinder Head Temperature Gauge Kit	60 - 220° F	All water cooled outboard motors	Included	2"	**860-13806**
Fuel Level Gauge	E - 1/2 - F		American	2"	**860-13801**
Oil Pressure Gauge	80 PSI		American	2"	**860-13802**
Rudder Angle Indicator	Port -Starboard	Indicates relative position of rudder	860-90530 860-90531	2"	**860-13822**
Trim Gauge	Up - Down	Mercury & Mariner outboards, Mercruiser, Volvo DP, Yamaha 2001 & newer	Single - 2" Dual -	2"	**860-13807**
		Johnson / Evinrude, Suzuki outboards	Requires	2"	**860-13809**
		OMC Cobra & Volvo SX stern drives	sending unit	2"	**860-13808**
		Honda outboards	on outboard or stern drive	2"	**860-13889**
Voltmeter	10 -16 Volt	For all 12 volt electrical systems	Not Required	2"	**860-13805**
Water Pressure Gauge Kit	30 PSI	All water cooled outboard & I/O engines	Not Required	2"	**860-13812**
Water Temperature Gauge	100 - 250° F		American	2"	**860-13804**

Gauge Specifications
Sending Unit Information
Mounting Information

12 volt, negative ground, internally illuminated unless otherwise noted.
American *requires standard American or standard Faria sending unit.*
4" tachometers, speedometers, synchronizers, & compasses - Hole Size: 3.375" / 85mm.
All 2" instruments - Hole Size: 2.0625" /53mm.

Transferable Limited Lifetime Warranty

860-33701

860-33705

860-13709

860-33750

CHESAPEAKE SS BLACK™

Design Features:
Perimeter-lighted black dial with stylish blue and white graphics, polished stainless steel bezel, contoured white pointer, domed glass lens.

INSTRUMENT	DIAL RANGE	DESCRIPTION	SENDER	SIZE	ORDER NO.
Tachometer	6000 RPM 7000 RPM	For all 4, 6, & 8 cylinder inboard & I/O gas engines. Universal for all outboard engines (4,6,8,10,12, & 20 pole)	Not Required Not Required	4" 4"	**860-33710** **860-33718**
Tach / Hourmeter	6000 RPM	For all 4, 6, & 8 cylinder inboard gas engines.	Not Required	4"	**860-33732**
Tach + System Check™ Operator Warning System Indicator	7000 RPM	Operator Warning System for '96 & newer electric start OMC gas outboards (Johnson & Evinrude)	OMC System Check™	4"	**860-33750**
Speedometer	60 MPH	10 - 60 MPH	Requires pitot tube or connection to lower drive unit	4"	**860-33704**
GPS Speedometer	60 MPH 80 MPH	10 - 60 MPH (GPS) (Studded) 10 - 80 MPH (GPS) (LCD)	Not Required Not Required	4" 4"	**860-33749** **860-33730**
Pitot Kit		Universal speedometer pickup tube kit with hardware Same as above with 20 feet of tubing.			**860-91109** **860-91106**
Ammeter	60 - 0 - 60	Indicates electrical charge / discharge rate	Not Required	2"	**860-13736**
Fuel Level Gauge	E - 1/2 - F		American	2"	**860-13701**
Oil Pressure Gauge	80 PSI		American	2"	**860-13702**
Rudder Angle Indicator	Port -Starboard	Indicates relative position of rudder	860-90530 860-90531	2"	**860-13725**
Trim Gauge	Up - Down	Mercury & Mariner outboards, Mercruiser, Volvo DP, Yamaha 2001 & newer Johnson / Evinrude, Suzuki outboards	Single - Dual - Requires sending unit on outboard	2" 2"	**860-13707** **860-13709**
Voltmeter	10 -16 Volt	For all 12 volt electrical systems	Not Required	2"	**860-13705**
Water Pressure Gauge Kit	30 PSI	All water cooled outboard & I/O engines	Not Required	2"	**860-13712**
Water Temperature Gauge	100 - 250° F		American	2"	**860-13704**

Gauge Specifications
Sending Unit Information
Mounting Information

12 volt, negative ground, internally illuminated unless otherwise noted.
American *requires standard American or standard Faria sending unit.*
4" tachometers, speedometers, synchronizers, & compasses - Hole Size: 3.375" / 85mm.
All 2" instruments - Hole Size: 2.0625" /53mm.

Transferable Limited Lifetime Warranty

860-33005 | 860-33009 | 860-13017 | 860-13002

CORAL™

Design Features:
Perimeter-lighted black dial with stylish blue and white graphics, black aluminum bezel with burnished leading edge, contoured white pointer. Flat glass lens.

INSTRUMENT	DIAL RANGE	DESCRIPTION	SENDER	SIZE	ORDER NO.
Tachometer	6000 RPM 7000 RPM	For all 4, 6, & 8 cylinder inboard & I/O gas engines. Universal for all outboard engines (4,6,8,10,12, & 20 pole)	Not Required Not Required	4" 4"	**860-33004** **860-33005**
Speedometer	55 MPH	10 - 55 MPH	Requires pitot tube or connection to lower drive unit		**860-33009**
Pitot Kit		Universal speedometer pickup tube kit with hardware Same as above with 20 feet of tubing			**860-91109** **860-91106**
Cylinder Head Temperature Gauge Kit	60 - 220° F	All water cooled outboard motors	Included	2"	**860-13009**
Fuel Level Gauge	E - 1/2 - F		American	2"	**860-13001**
Hourmeter Digital	10,000 Hours	Elapsed time in hours / tenths (12-32 volt) not illuminated	Not Required	2"	**860-13019**
Oil Pressure Gauge	80 PSI		American	2"	**860-13002**
Trim Gauge	Up - Down	Mercury & Mariner outboards, Mercruiser, Volvo DP, Yamaha 2001 & newer Johnson / Evinrude, Suzuki outboards	Requires sending unit on outboard or stern drive	2" 2"	**860-13017** **860-13016**
Voltmeter	10 -16 Volt	For all 12 volt electrical systems	Not Required	2"	**860-13010**
Water Pressure Gauge Kit	30 PSI	All water cooled outboard & I/O engines	Not Required	2"	**860-13003**
Water Temperature Gauge	100 - 250° F		American	2"	**860-13004**

Gauge Specifications *12 volt, negative ground, internally illuminated unless otherwise noted.*
Sending Unit Information ***American*** *requires standard American or standard Faria sending unit.*
Mounting Information *4" tachometers, speedometers, synchronizers, & compasses - Hole Size: 3.375" / 85mm. All 2" instruments - Hole Size: 2.0625" /53mm.*

Transferable Limited Lifetime Warranty

For more information see www.fariabeede.com

860-33132	860-33112	860-13101	860-13122

DRESS WHITE™

Design Features:
Perimeter-lighted white dial with bold black graphics, white aluminum bezel, contoured black pointer, flat glass lens.

INSTRUMENT	DIAL RANGE	DESCRIPTION	SENDER	SIZE	ORDER NO.
Tachometer	6000 RPM 7000 RPM	For all 4, 6, & 8 cylinder inboard & I/O gas engines. Universal for all outboard engines (4,6,8,10,12, & 20 pole)	Not Required Not Required	4" 4"	**860-33103** **860-33104**
Tach / Hourmeter Integral Electonic LCD Hourmeter	6000 RPM 7000 RPM	For all 4, 6, & 8 cylinder inboard gas engines. Universal for all outboard gas engines (4,6,8,10,12, & 20 pole)	Not Required Not Required	4" 4"	**860-33132** **860-33140**
Tach + System Check™ Operator Warning System Indicator	7000 RPM	Operator Warning System for '96 & newer electric start OMC outboards (Johnson & Evinrude)	OMC System Check™	4"	**860-33150**
Speedometer	55 MPH 80 MPH	10 - 55 MPH 10 - 80 MPH	Requires pitot tube or connection to lower drive unit		**860-33112** **860-33113**
Pitot Kit		Universal speedometer pickup tube kit with hardware Same as above with 20 feet of tubing.			**860-91109** **860-91106**
Cylinder Head Temperature Gauge Kit	60 - 220° F	All water cooled outboard motors.	Included	2"	**860-13113**
Fuel Level Gauge	E - 1/2 - F		American	2"	**860-13101**
Oil Pressure Gauge	80 PSI		American	2"	**860-13102**
Trim Gauge	Up - Down	Mercury & Mariner outboards, Mercruiser, Volvo DP, Yamaha '01 & newer Johnson/Evinrude, Suzuki Outboards	Requires sending unit on outboard or stern drive	2" 2"	**860-13122** **860-13123**
Voltmeter	10 -16 Volt	For all 12 volt electrical systems	Not Required	2"	**860-13120**
Water Pressure Gauge Kit	30 PSI	All water cooled outboard & I/O engines	Not Required	2"	**860-13108**
Water Temperature Gauge	100 - 250° F		American	2"	**860-13110**

Gauge Specifications *12 volt, negative ground, internally illuminated unless otherwise noted.*
Sending Unit Information ***American*** *requires standard American or standard Faria sending unit.*
Mounting Information *4" tachometers, speedometers, synchronizers, & compasses - Hole Size: 3.375" / 85mm.*
All 2" instruments - Hole Size: 2.0625" /53mm.

Transferable Limited Lifetime Warranty

For more information see www.fariabeede.com

860-32832

860-32810

860-32805

860-12828

EURO BLACK™

Design Features:
Perimeter-lighted black dial with bold white graphics, flat glass lens, black aluminum bezel, contoured white pointer.

INSTRUMENT	DIAL RANGE	DESCRIPTION	SENDER	SIZE	ORDER NO.
Tachometer	6000 RPM	For all 4, 6, & 8 cylinder inboard & I/O gas engines.	Not Required	4"	**860-32804**
	7000 RPM	Universal for all outboard engines (4,6,8,10,12, & 20 pole)	Not Required	4"	**860-32805**
Tach / Hourmeter	6000 RPM	For all 4, 6, & 8 cylinder inboard gas engines.	Not Required	4"	**860-32832**
Integral Electonic LCD Hourmeter	7000 RPM	Universal for gas outboard engines (4,6,8,10,12, & 20 pole)	Not Required	4"	**860-32840**
Tach + System Check™	7000 RPM	Operator Warning System for '96 & newer electric start	OMC System	4"	**860-32850**
Operator Warning System Indicator		OMC gas outboards (Johnson & Evinrude)	Check™		
	55 MPH	10 - 55 MPH	Requires pitot		**860-32810**
	80 MPH	10 - 80 MPH	tube or connection		**860-32812**
			to lower drive unit		
Pitot Kit		Universal speedometer pickup tube kit with hardware			**860-91109**
		Same as above with 20 feet of tubing			**860-91106**
Ammeter	60 - 0 - 60	Indicates electrical charge / discharge rate	Not Required	2"	**860-12822**
Clock		Quartz analog	Not Required	2"	**860-12825**
Cylinder Head Temperature Gauge Kit	60 - 220° F	All water cooled outboard motors	Included	2"	**860-12819**
Fuel Level Gauge	E - 1/2 - F		American	2"	**860-12801**
Oil Pressure Gauge	80 PSI		American	2"	**860-12803**
Rudder Angle Indicator	Port -Starboard	Indicates relative position of rudder	Single - 860-90530 Dual - 860-90531	2"	**860-12833**
Tank Level Gauge	E - 1/2 - F	Potable water level	American	2"	**860-12830**
Trim Gauge	Up - Down	Mercury & Mariner outboards, Mercruiser, Volvo DP,	Requires	2"	**860-12828**
		Yamaha 2001 & newer	sending unit	2"	**860-12827**
			on outboard		
			or stern drive		
Voltmeter	10 -16 Volt	For all 12 volt electrical systems	Not Required	2"	**860-12821**
Water Pressure Gauge Kit	30 PSI	All water cooled outboard & I/O engines	Not Required	2"	**860-12810**
	60 PSI	All water cooled outboard & I/O engines	Not Required	2"	**860-12875**
Water Temperature Gauge	100 - 250° F		American	2"	**860-12812**

Transferable Limited Lifetime Warranty

Gauge Specifications
Sending Unit Information
Mounting Information

12 volt, negative ground, internally illuminated unless otherwise noted.
American *requires standard American or standard Faria sending unit.*
4" tachometers, speedometers, synchronizers, & compasses - Hole Size: 3.375" / 85mm.
All 2" instruments - Hole Size: 2.0625" /53mm.

860-32904 | 860-32950 | 860-12901 | 860-12916

EURO WHITE™

Design Features:
Perimeter-lighted white dial with bold black graphics, black aluminum bezel, contoured black pointer, flat glass lens.

INSTRUMENT	DIAL RANGE	DESCRIPTION	SENDER	SIZE	ORDER NO.
Tachometer	6000 RPM	For all 4, 6, & 8 cylinder inboard & I/O gas engines	Not Required	4"	**860-32904**
	7000 RPM	Universal for all outboard engines (4,6,8,10,12, & 20 pole)	Not Required	4"	**860-32905**
Tach + System Check™ Operator Warning System Indicator	7000 RPM	Operator Warning System for '96 & newer electric start OMC gas outboards (Johnson & Evinrude)	OMC System Check™	4"	**860-32950**
Speedometer	55 MPH	10 - 55 MPH	Requires pitot tube or connection to lower drive unit	4"	**860-32909**
Pitot Kit		Universal speedometer pickup tube kit with hardware			**860-91109**
		Same as above with 20 feet of tubing			**860-91106**
Fuel Level Gauge	E - 1/2 - F		American	2"	**860-12901**
Hourmeter	10,000 Hours	Elapsed time in hours / tenths (12-32 volt) not illuminated	Not Required	2"	**860-12913**
Oil Pressure Gauge	80 PSI		American	2"	**860-12902**
Trim Gauge	Up - Down	Mercury & Mariner outboards, Mercruiser, Volvo DP, Yamaha 2001 & newer	Requires sending unit on outboard or stern drive	2"	**860-12916**
		Johnson / Evinrude, Suzuki outboards		2"	**860-12915**
Voltmeter	10 -16 Volt	For all 12 volt electrical systems	Not Required	2"	**860-12911**
Water Pressure Gauge Kit	30 PSI	All water cooled outboard & I/O engines	Not Required	2"	**860-12903**
Water Temperature Gauge	100 - 250° F		American	2"	**860-12904**

Transferable Limited Lifetime Warranty

Gauge Specifications
Sending Unit Information
Mounting Information

12 volt, negative ground, internally illuminated unless otherwise noted.
American *requires standard American or standard Faria sending unit.*
4" tachometers, speedometers, synchronizers, & compasses - Hole Size: 3.375" / 85mm.
All 2" instruments - Hole Size: 2.0625" /53mm.

@ Have a Technical Question?

Contact our Technical Support Staff
email: techsupport@ccmarine.ca

860-36005

860-16016

860-16001

SPUN SILVER

Design Features:
Perimeter-lighted silver dial with bold black graphics, polished stainless steel bezel, contoured black pointer, & domed glass lens.

INSTRUMENT	DIAL RANGE	DESCRIPTION	SENDER	SIZE	ORDER NO.
Tachometer	6000 RPM	For all 4, 6, & 8 cylinder inboard & I/O gas engines	Not Required	4"	**860-36004**
	7000 RPM	Universal for all outboard engines (4,6,8,10,12, & 20 pole)	Not Required	4"	**860-36005**
Tachometer with Hourmeter	6000 RPM	For all 4, 6, & 8 cylinder inboard gas engines	Not Required	4"	**860-36032**
Pitot Kit		Universal speedometer pickup tube kit with hardware			**860-91109**
		Same as above with 20 feet of tubing			**860-91106**
Fuel Level Gauge	E - 1/2 - F		American	2"	**860-16001**
Hourmeter	10,000 Hours	Elapsed time in hours / tenths (12-32 volt) not illuminated	Not Required	2"	**860-16020**
Trim Gauge	Up - Down	Mercury & Mariner outboards, Mercruiser, Volvo DP, Yamaha 2001 & newer	Requires sending unit on outboard or stern drive	2"	**860-16016**
Voltmeter	10 -16 Volt	For all 12 volt electrical systems	Not Required	2"	**860-16023**
Water Temperature Gauge	100 - 250° F		American	2"	**860-16004**

Gauge Specifications *12 volt, negative ground, internally illuminated unless otherwise noted.*
Sending Unit Information ***American*** *requires standard American or standard Faria sending unit.*
Mounting Information *4" tachometers, speedometers, synchronizers, & compasses - Hole Size: 3.375" / 85mm.*
All 2" instruments - Hole Size: 2.0625" /53mm.

Transferable Limited Lifetime Warranty

@ Have a Technical Question?

Contact our Technical Support Staff
email: techsupport@ccmarine.ca

860-19005

860-39009

860-19004

KRONOS

Design Features:
Polished stainless steel bezel, flat glass lens, perimeter lighted spun aluminum dial with gold and black graphics. Gold increments and logo on dial are embossed. All instruments include two piece newport pointer with white hub.

INSTRUMENT	DIAL RANGE	DESCRIPTION	SENDER	SIZE	ORDER NO.
Tachometer	6000 RPM	For all 4, 6, & 8 cylinder Inboard & I/O gas engines	Not Required	4"	**860-39004**
	7000 RPM	Universal for all outboard engines (4,6,8,10,12, & 20 pole)	Not Required	4"	**860-39005**
Tachometer with Hourmeter	7000 RPM	For all 4, 6, & 8 cylinder inboard gas engines	Not Required	4"	**860-39040**
Speedometer	60 MPH	60 MPH (Mechanical)	Requires pitot tube or connection to lower drive unit	4"	**860-39009**
Fuel Level Gauge	E - 1/2 - F		American	2"	**860-19001**
Hourmeter	10,000 Hours	Elapsed time in hours / tenths (12-32 volt) not illuminated	Not Required	2"	**860-19020**
Oil Pressure Gauge	80 PSI		American	2"	**860-19002**
Trim Gauge	Up - Down	Mercury & Mariner outboards, Mercruiser, Volvo DP, Yamaha 2001 & newer	Requires sending unit on outboard or stern drive	2"	**860-19005**
Voltmeter	10 -16 Volt	For all 12 volt electrical systems	Not Required	2"	**860-19004**
Water Pressure Gauge Kit	30 PSI	All water cooled outboard & I/O engines	Not Required	2"	**860-19007**
Water Temperature Gauge	100 - 250° F		American	2"	**860-19003**

Gauge Specifications *12 volt, negative ground, internally illuminated unless otherwise noted.*
Sending Unit Information ***American*** *requires standard American or standard Faria sending unit.*
Mounting Information *4" tachometers, speedometers, synchronizers, & compasses - Hole Size: 3.375" / 85mm.*
All 2" instruments - Hole Size: 2.0625" /53mm.

Transferable Limited Lifetime Warranty

@ Have a Technical Question?

Contact our Technical Support Staff
email: techsupport@ccmarine.ca

BOXED SETS By Faria Beede Instruments Inc.

Packaged and ready for the display counter. These Boxed Sets offer a complete set of gauges ready to install.
The **INBOARD SET** comes with Speedometer & Pitot, Tachometer, Fuel, Voltmeter, Water Temp, & Oil Pressure.
The **OUTBOARD SET** comes complete with Speedometer & Pitot, Tachometer, Fuel, & Voltmeter.

- **Inboard** (Speedo - 65MPH (Mech), Tach (7000 RPM), Fuel Level, Voltmeter (10-16 VDC), Water Temp (100-250F), Oil PSI (80 PSI)

SPUN SILVER

860-00184	KTF0184	Spun Silver	Inboard Set	6 Gauge

- **Outboard** (Speedo - 55MPH (Mech), Tach (7000 RPM), Fuel Level, Voltmeter (10-16 VDC)
- **Inboard** (Speedo - 55MPH (Mech), Tach (6000 RPM), Fuel Level, Voltmeter (10-16 VDC), Water Temp (100-250F), Oil PSI (80 PSI)

EURO

860-09799	KT9799	Euro	Inboard Set	6 Gauge
860-09796	KT9796	Euro	Outboard Set	4 Gauge

EURO WHITE

860-09798	KT9798	Euro White	Inboard Set	6 Gauge
860-09795	KT9795	Euro White	Outboard Set	4 Gauge

DRESS WHITE

860-09797	KT9797	Dress White	Inboard Set	6 Gauge
860-09794	KT9794	Dress White	Outboard Set	4 Gauge

- **Inboard** (Speedo - 60MPH (Mech), Tach (6000 RPM), Fuel Level, Voltmeter (10-16 VDC), Water Temp (100-250F), Oil PSI (80 PSI)

KRONOS

860-00024	KTF024	Kronos	Inboard Set	6 Gauge

- **Outboard** (Speedo - 60MPH (Mech), Tach (7000 RPM), Fuel Level, Voltmeter (10-16 VDC)
- **Inboard** (Speedo - 60MPH (Mech), Tach (6000 RPM), Fuel Level, Voltmeter (10-16 VDC), Water Temp (100-250F), Oil PSI (80 PSI)

CHESAPEAKE SS BLACK

860-10003	KTF003	Chesapeake SS Black	Inboard Set	6 Gauge
860-10004	KTF004	Chesapeake SS Black	Outboard Set	4 Gauge
860-00064	KTF064	Chesapeake SS Black	Inboard Set w/GPS	6 Gauge

CHESAPEAKE SS WHITE

860-10001	KTF001	Chesapeake SS White	Inboard Set	6 Gauge
860-10002	KTF002	Chesapeake SS White	Outboard Set	4 Gauge
860-00063	KTF063	Chesapeake SS White	Inboard Set w/GPS	6 Gauge

SENDERS & ACCESSORIES

ORDER NO.	FARIA Mfr. No.	DESCRIPTION
860-90405	90405	Cylinder Head Temperature Sender
860-90530	90530	Rudder Angle Sender - Single Station

SENDERS & ACCESSORIES

ORDER NO.	EQUIV.- FARIA Mfr. No.	DESCRIPTION
018-58990	90512	Oil Pressure Sender - Single Station
051-24891	90511	Oil Pressure Sender - Dual Station
018-58960	90401	Temperature Sender - 1/8" - Single Station
051-26611	90402	Temperature Sender - 1/4" - Single Station
051-26621	90403	Temperature Sender - 3/8" - Single Station
051-26631	90404	Temperature Sender - 1/2" - Single Station
051-26641	90406	Temperature Sender - 1/8" - Dual Station
051-26651	90407	Temperature Sender - 1/4" - Dual Station
018-58970	90408	Temperature Sender - 3/8" - Dual Station
018-58980	90409	Temperature Sender - 1/2" - Dual Station

GPS SPEEDOMETER

KTF049

The GPS Speedometer is a drop in replacement for your current speedometer and can be made to match your existing instrumental dash.

GPS information is gathered from an internal GPS antenna.
No external antenna required.
The Faria GPS Speedometer uses a highly accurate 48 channel GPS receiver. You can be sure that the Faria GPS Speedometer is giving you the most accurate GPS information available on the market today.
Course Over Ground (COG) and actual heading (compass heading over ground) are displayed on the digital LCD.
Speed data is shown by an analog pointer. This pointer is driven by a digital stepper motor for increased accuracy and minimized pointer bounce during vessel operation.

ORDER NO.	Mfr. No.	Description
860-33726	33726	Chesapeake SS Black, 60 MPH
860-33826	33826	Chesapeake SS White, 60 MPH
860-32816	32816	Euro Black, 60 MPH (Studded)
860-33147	33147	Dress White, 60 MPH (Studded)

For more information see: www.fariabeede.com

FEATURES & BENEFITS

- Available in multiple Speed ranges up to 80 MPH, and 130 KPH
- Premium LED back-lit or edge-lit dials
- **No external GPS antenna required**
- Available LCD displays Compass Rose heading and Actual heading (COG)
- Ultra fast Satellite acquisition time (TTFF) 1 second from Hot Start
- Speed Accuracy of +/- 1 MPH
- Heading Accuracy of +/- 1 degree
- Digital stepper motor driven pointers
- Ideal replacement for speed sensing devices (pitot tube and paddle wheel) that typically fail over time
- Perfect for slow moving vessels where pitot tubes typically don't work
- Deutsch connector cases
- 4" Gauge (3-375"(85 mm) mounting hole)

HUMMINBIRD
SIMPLY. CLEARLY. BETTER.

Improved Depth Perception

HDR 650 IN-DASH DIGITAL DEPTH SOUNDER

The HDR 650 In-Dash Digital Depth Sounder gives you instant, reliable digital depth readings, and offers customizable bezel and face colors to complement installed gauges. This unit comes packed with a transom mount transducer.
Bezel colors included: White, Black and Chrome. Face plate colors included: White and Black.

Highlights

- Easy to Install into Existing 2-1/8 inch gauge opening
- Completely waterproof
- Easy to read large, backlit LCD display for use at night
- Wires to Ignition Switch for Auto Power On
- Shallow and Deep Depth Alarms
- Reads in Feet, Meters and Fathoms
- Tracks Bottom Up to 70 MPH

ORDER NO. 407-86010 Mfr. No. 407-860-1

For more information see: www.humminbird.com

DEPTH SOUNDER

The Faria Depth Sounder offers standard 199 foot depth capability, automatic gain control, backlighting for maximum night vision, keel offset, along with deep and shallow alarms. The Faria Depth Sounder is available in all Faria Styles.

Style	ORDER NO. In-Hull	ORDER NO. Transom Mount
Euro Black™	860-12851	860-12850
Dress White™	860-13151	860-13150
Chesapeake SS Black™	860-13751	860-13750
Chesapeake SS White™	860-13851	860-13850
Kronos SS	860-19151	

- Depth readings from:
  3 to 199 Feet
  1 to 61 Meters
  0.5 to 32 fathoms
- Three push buttons for ease of adjustments.
- "Quick-set" mode for rapid adjustment of settings.
- Icons provide clear indication of status and alarms.
- Out-of-range indication
- 2" Gauge (2.0625") (53mm) mounting hole.
- Full Range shallow and deep alarms.
- Shallow and deep alarms are both audible and visible to operator.
- Power status stored when power is removed:
  - if unit is OFF when key is turned off, it will be OFF when key is turned on.
  - if unit is ON when key is turned off, it will be ON when key is turned on.
- Keel-Offset adjustment and indication
- Harnesses and connectors included.

ADJUSTABLE IN-HULL TRANSDUCER

This in-hull transducer has a patented adjustable feature which ensures that sound waves are transmitted vertically to the bottom on almost any hull with a dead rise up to 22˚. With no hull penetration, installation is easy and high speed performance is maximized.

ORDER NO. 860-20100

TRANSOM MOUNTED DEPTH TRANSDUCER

With a low profile this depth unit offers little drag and easy installation for dead rise angles up to 30˚. Designed with a release bracket to protect against impact damage. This unit provides good high speed operations up to 55 knots.

ORDER NO. 860-20110

DEPTH SOUNDER WITH AIR/WATER TEMPERATURES

Size	2"
Mount	2-1/16" diameter hole
Depth behind face plate	3" min.
Display	Multi-character LCD
Backlighting	Red coloured diffused lighting for display.
Water Integrity	Front will withstand direct water spray.
Alarm	Audio and visual alarm indicates shallow or deep water conditions exist.
Depth Readings	3 to 199 Feet 1 to 61 Metres 0.5 to 32 Fathoms
Keel Offset	Allows you to adjust offset from keel at display.
Out of Range Indication	
Power Status Memory	Returns Depth Sounder to last Power on status.
Quick Set Mode	Allows rapid adjustments of settings using the three easy to use push buttons.
Icon Display	Icons provide clear indication of status and alarms.
Operating Voltage	10 vDC to 16.5 vDC
Operating Temperature	-40ºF to 185ºF (-40ºC to 85ºC)
Current Drain	90 mA max. with supplied transducer.

Harnesses and Connectors Included
TS0101

CHESAPEAKE WHITE™ STAINLESS STEEL

Mfr. No. 13852

ORDER NO. 860-13852

CHESAPEAKE BLACK™ STAINLESS STEEL

Mfr. No. 13752

ORDER NO. 860-13752

Transom Mount Transducer

- Depth Range to 199 ft. (61m)
- Reads Depth in Metres, Fathoms & Feet.
- Oversized back-lit display.
- Keel Off-set, Shallow, and Deep Water Alarms.
- Audio and Visual alarms.
  Ambient Air Temp.
  Water Temperature
- Easy installation

For more information see: www.fariabeede.com

Sierra Marine Engine and Drive Parts

SPEEDOMETER ACCESSORIES

UNIVERSAL PITOT TUBE

- For pressure-driven speedos up to 80 MPH.
- Automatic kickup design helps prevent transom damage from submerged objects or trailering.
- Standard slotted hole pattern allows replacement of most brands without drilling new holes.
- Available in either individual clam shell package or "Pail O' Pitots" in-store bulk display box.

ORDER NO.	Mfr. No.	Description
105-56973	56973P	Universal Pitot Tube
105-59677	59677P	Pack O' Pitots P.O.P. Display (Includes 12 Pitot Tubes)

SPEEDOMETER TUBING

PITOT TUBING

25' x 1/8".
Black vinyl tubing is HW reinforced with a tight connection between your speedometer pickup (Pitot) and your speedometer. **25' Polypac**

Mfr. No. 116-151-0185
ORDER NO. 116-151-0185

Gauge not included

PITOT TUBING

#9 Heavy Wall Tubing. (Sold per foot)

Mfr. No. 116-151-0180500
ORDER NO. 043-65333

PITOT TUBING KIT

25 Ft. Tubing and Mounting Hardware.

Mfr. No. 67437P
ORDER NO. 106-67437

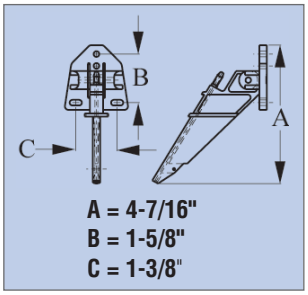
For more information see: www.catalog.sierraparts.com

SEA-DOG LINE QUALITY MARINE GEAR

SPEEDOMETER PITOT TUBE KIT

Injection Molded Nylon

Universal design works with most Speedo's. Speedometer Pitot Tube Installation Kit # 425-22105 includes Pitot, Pitot Tube Shield, Clamps and Mounting Screws.

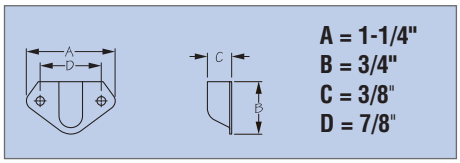


ORDER NO.	Mfr. No.	Description
425-22105	522105-1	Speedometer Pitot Tube Installation Kit
425-22100-5	522100-5	Display POP (10/pk) Pitot Tube only

PITOT TUBE SHIELD

Stamped 304 Stainless

When vertically mounted, the Pitot Tube Shield protects cables and electrical wiring on items such as depth sounders, speedometers and coax cables when passing through transom holes.



ORDER NO.	Mfr. No.	A	B	C	D
423-31310	331310-1	1-1/4"	3/4"	3/8"	7/8"

For more information see: www.sea-dog.com

SPEEDOMETER PITOT TUBE (PICK-UP)

Faria Beede Instruments

ORDER NO.	Description
860-91109	Pitot Tube Only
860-91106	Kit with 20' Tubing

For more information see: www.fariabeede.com

ENGINE SENDERS

MARINE OIL PRESSURE and TEMPERATURE SENDER INTERCHANGE

ORDER NO.	STEWART WARNER PART NO.	FARIA PART NO.	MEDALLION PART NO.	DATCON PART NO.	VDO PART NO.	CRUISADE R PART NO.	MERCRUISER PART NO.	VOLVO PART NO.	OMC PART NO.	VEETHREE SEASTAR PART NO.	RANGE	THREAD SIZE	TERMINAL TYPE
OIL PRESSURE SWITCHES (Illustration A)													
051-22901	364L-F										6 PSI Trip	1/8-27	10-32 stud
OIL PRESSURE SENDERS (Illustration B)													
018-58990	279-A	90512	A-2547	02504-00	360 801	700425	815425T		982650	IA15001	80 PSI	1/8-27	10-32 stud
051-24301	279B-F	90519	A-2547-1	02505-00	360 811		850362			IA15016	100 PSI	1/8-27	10-32 stud
051-24891	82514	90511	A-2622	02504-01				872064		IA15003	80 PSI DS	1/8-27	10-32 stud
TEMPERATURE SWITCHES (Illustration D)													
051-25101	83304				232011017088						200 Trip	3/8-18	1/4" blade
TEMPERATURE SENDERS (Illustration C)													
018-58960	362CZ-D	90401	B-936							52320S010	240°	1/8-27	10-32 stud
051-26611	362AN-S	90402	B-936-1							52320S004	240°	1/4-18	10-32 stud
051-26621	362AJ-D	90403	B-936-2				97257A 1			52320S009	240°	3/8-18	10-32 stud
051-26631	362AH-D	90404	B-936-3			700427	97258A 1		171960	52320S003	240°	1/2-14	10-32 stud
051-26641		90406	B-936	02017	323094							1/8-27	10-32 stud
051-26651	362BD-D		A-2618-2								240° DS	1/4-18	10-32 stud
018-58970	352BC-D		A-2618-3					872068		52320S018	240° DS	3/8-18	10-32 stud
018-58980	362BB-D		A-2618-4							52320S017	240° DS	1/2-14	10-32 stud
018-75130								3862500			239°	1/8-27	
OIL PRESSURE SAFETY SHUT-OFF SWITCH (Illustration E)													
051-72533*												1/4-18	1/4" spade

*3-wire hookup to starter, pump and ignition. I/O and inboard units require a method to shut off the electronic fuel pump when the engine fails or is shut down. This switch senses low oil pressure and shuts the fuel pump off. DS specifies Dual Station Sender

Illustration A OIL PRESSURE SWITCH	Illustration B OIL PRESSURE SENDER	Illustration C TEMPERATURE SENDER	Illustration D TEMPERATURE SWITCH	Illustration E OIL PRESSURE SAFETY SHUT-OFF SWITCH	Illustration F TEMPERATURE SENDER

ORDER NO.	DESCRIPTION	APPLICATIONS
051-22901	OIL SWITCH	USED FOR ELECTRIC FUEL PUMP SHUT OFF. SET AT 6 PSI. USED BY MERCURY MARINE & VOLVO.
051-24301	OIL SENDER	100 PSI FOR SINGLE STATION
018-58990	OIL SENDER	80 PSI FOR SINGLE STATION USED FOR MANY OMC APPLICATIONS.
051-24891	OIL SENDER	80 PSI FOR DUAL STATIONS. USED FOR MANY OMC APPLICATIONS.
051-25101	TEMPERATURE SWITCHES	USED WITH LIGHT, SET AT 200°F.
018-58960 & 051-26611 Thru 051-26631	TEMPERATURE SENDERS	450W at 100°F and 46W at 220°F.
051-26641, 051-26651, 018-58970 & 018-58980	TEMPERATURE SENDERS	339W at 100°F and 35W at 220°F.
051-72533	OIL PRESSURE SAFETY SHUT-OFF SWITCH	USED FOR ELECTRONIC FUEL PUMP SHUT OFF.
018-75130	TEMPERATURE SENDER	USED FOR VOLVO APPLICATIONS.

For more information see: www.catalog.sierraparts.com

Sierra
Marine Engine and Drive Parts

ENGINE WATER TEMPERATURE SENDING UNIT

SINGLE STATION	
018-58960	1/8- 27 NPT
051-26611	1/4 - 18 NPT
051-26621	3/8 - 18 NPT
051-26631	1/2 - 14 NPT

DUAL STATION	
051-26641	1/8- 27 NPT
051-26651	1/4- 18 NPT
018-58970	3/8- 18 NPT
018-58980	1/2- 14 NPT

OIL PRESSURE SENDING UNIT

SINGLE STATION	
018-58990	80 PSI (1/8" NPT THREAD)
051-24301	100 PSI (1/8" NPT THREAD)

DUAL STATION	
051-24891	80 PSI (1/8" NPT THREAD)

SENDER CROSS-REFERENCE

IA 15000	52320S004	TS2661	TEMP. SENDER (S.S.) (1/4")	**051-26611**
IA 15001	IA 15001	OP2488	OIL PRESS. SENDER (80 PSI) (S.S.)	**018-58990**
IA 15002	52320S016	TS2665	TEMP. SENDER (D.S.) (1/4")	**051-26651**
IA 15003	IA 15003	OP2489	OIL PRESS. SENDER (80 PSI) (D.S.)	**051-24891**
IA 15009	52320S017	_	TEMP. SENDER (D.S.) (1/2")	**018-58980**
IA 15010	52320S003	TS2663	TEMP. SENDER (S.S.) (1/2")	**051-26631**
IA 15013	52320S009	TS2662	TEMP. SENDER (S.S.) (3/8")	**051-26621**
IA 15016	IA 15016	OP2430	OIL PRESS. SENDER (100 PSI) (S.S.)	**051-24301**
IA 15014	5232S018	–	TEMP. SENDER (D.S.) (3/8")	**018-58980**

DIESEL TACHOMETER SENDER

Magnetic Proximity Sender for diesel tachs.
Sender code B.

ORDER NO.	Mfr. No.
150-76780	1507678P

INDICATOR LIGHTS

Large Indicator Lights
- 12 volt DC use only
- 1/2" mounting hole
- 4" tinned copper wire leads

ORDER NO.	Mfr. No.	Colour
051-21281	UN21280	Red
051-21291	UN21290	Green

Small Indicator Lights
- 12 volt DC use only
- 5/16" mounting hole
- 5" tinned copper wire leads

ORDER NO.	Mfr. No.	Colour
051-22100	UN22100	Red
051-22110	UN22110	Green

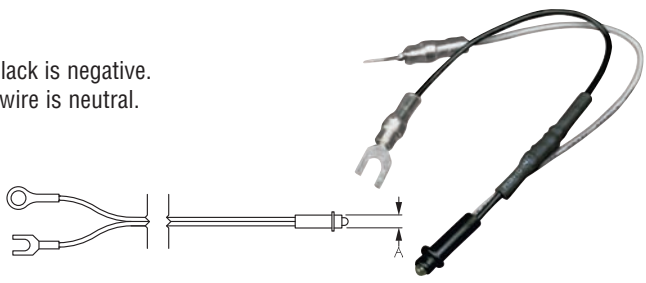
For more information see: www.catalog.sierraparts.com

SEA-DOG LINE
QUALITY MARINE GEAR

LED LIGHTS

Recommended wiring instructions:
DC voltage: Grey wire is positive and black is negative.
AC voltage: Black wire is hot and grey wire is neutral.

ORDER NO.	Mfr. No.	A	Voltage	Colour
424-08112	408112	3/16"	110 AC	Green
424-08121	408121	3/16"	12 DC	Red



For more information see: www.sea-dog.com

DIGITAL ANALOG CONVERTER

- Converts NEMA 2000 digital output to analog signal
- Eliminates need to replace analog gauges when repowering
- For Yamaha, Honda, Suzuki, and BRP (Johnson, Evinrude)

ORDER NO.	Mfr. No.
105-69741	69741P

REPLACEMENT INSTRUMENT LIGHT & SOCKET KITS

For all gauges **except** Heavy Duty 2" and some other 2" Sierra mechanical gauges with plastic housings.

ORDER NO.	Mfr. No.	Description
042-62995	IA62995	Bulb with wedge base socket (12V clear 1-CP bulb)

For Heavy Duty 2" gauges
Metal socket has one lead; housing has ground strip.

ORDER NO.	Mfr. No.	Description
042-18278	1827871P	Bulb with push-in socket (12V clear 3/4 CP)

BLANK GAUGE INSERT

Fits standard 2-1/8" cutout for 2" gauge

ORDER NO.	Mfr. No.
101-11860	10860

ADAPTER

Yamaha adapter for Water Pressure/Temperature Kits
ID 1/8" NPT

ORDER NO.	Mfr. No.
106-61886	61886P

BEZELS

SQUARE INSTRUMENT BEZELS

For all lines

ORDER NO.	Mfr. No.	Description
042-65477	IA65477	3" Aircraft Style Bezel

TACHOMETER ACCESSORIES

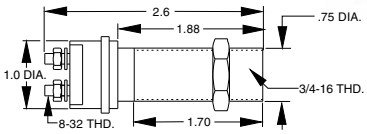
TACHOMETER WIRING HARNESS

- Permits fast installation of tachometer
- BIA color-coded harness
- Eliminates field wiring problems

ORDER NO.	Mfr. No.	Description
044-14767	IH 14767	Pre-1996 OMC/JE (3-wire Plug)
044-15105	IH 15105	Merc/Mariner (5-wire plug)

MAGNETIC PROXIMITY SENDER

For Diesel Tachometers.



ORDER NO.	Mfr. No.
150-76780	1507678P

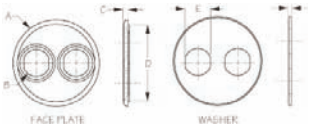
For more information see: www.catalog.sierraparts.com

SEA-DOG LINE QUALITY MARINE GEAR

INSTRUMENT HOLE ADAPTER - 4" FOR SOCKETS & METERS

Injection Molded Nylon

NEW!



ORDER NO.	Mfr. No.	A	B	C	D	E	F	Colour
424-26103	426103-1	3-3/4"	1-3/16"	3/16"	3-3/8"	1-1/16"	1/8"	Black
424-26104	426104-1	3-3/4"	1-3/16"	3/16"	3-3/8"	1-1/16"	1/8"	White

Replace an unused 4" gauge with two new 1-1/8" style gauges. Installs by placing the face plate in front of the dashboard then inserting the socket/meter in the hole with the washer behind. Held in place by the socket/meter nut.

For more information see: www.sea-dog.com

MFR. NUMBER	*For more information see: www.humminbird.com* MODEL	BUILT-IN FEATURES							BUILT-IN SONAR						ORDER NO.
		TouchScreen	Wi-Fi	Bluetooth	Ethernet Networking	NMEA 2000	GPS	Basemap & AutoChart Live	MEGA Side Imaging	MEGA Down Imaging	Side Imaging®	Down Imaging®	Dual Spectrum CHIRP	DualBEAM	
411240-1	**APEX 19** MEGA SI+ CHARTPLOTTER	√	√	√	√	√	√	√	√	√			√		411-24001
411500-1	**APEX 16** MEGA SI+ CHARTPLOTTER	√	√	√	√	√	√	√	√	√			√		411-50001
411470-1	**APEX 13** MEGA SI+ CHARTPLOTTER	√	√	√	√	√	√	√	√	√			√		411-47001
411570-1	**SOLIX 15** MEGA SI+ GPS G3	√	√	√	√	√	√	√	√	√			√		411-57001
411550-1	**SOLIX 12** MEGA SI+ GPS G3	√	√	√	√	√	√	√	√	√			√		411-55001
411530-1	**SOLIX 10** MEGA SI+ GPS G3	√	√	√	√	√	√	√	√	√			√		411-53001
411320-1	**HELIX 15** MEGA SI+ GPS G4N		√	√	√	√	√	√	√	√			√		411-32001
411450-1	**HELIX 12** MEGA SI+ GPS G4N		√	√	√	√	√	√	√	√			√		411-45001
411420-1	**HELIX 10** MEGA SI+ GPS G4N		√	√	√	√	√	√	√	√			√		411-42001
411380-1	**HELIX 9** MEGA SI+ GPS G4N		√	√	√	√	√	√	√	√			√		411-38001
411350-1	**HELIX 8** MEGA SI+ GPS G4N		√	√	√	√	√	√	√	√			√		411-35001
411650-1	**HELIX 7** MEGA SI GPS G4N		√	√	√	√	√	√	√	√			√		411-65001
411440-1	**HELIX 12** MEGA DI+ GPS G4N		√	√	√	√	√	√		√			√		411-44001
411410-1	**HELIX 10** MEGA DI+ GPS G4N		√	√	√	√	√	√		√			√		411-41001
411370-1	**HELIX 9** MEGA DI+ GPS G4N		√	√	√	√	√	√		√			√		411-37001
411340-1	**HELIX 8** MEGA DI GPS G4N		√	√	√	√	√	√		√			√		411-34001
411640-1	**HELIX 7** (MEGA DI GPS G4N)		√	√	√	√	√	√	√	√			√		411-64001
411430-1	**HELIX 12** CHIRP GPS G4N		√	√	√	√	√	√					√		411-43001
411400-1	**HELIX 10** CHIRP GPS G4N		√	√	√	√	√	√					√		411-40001
411360-1	**HELIX 9** CHIRP GPS G4N		√	√	√	√	√	√					√		411-36001
411330-1	**HELIX 8** CHIRP GPS G4N		√	√	√	√	√	√					√		411-33001
411630-1	**HELIX 7** CHIRP GPS G4N		√	√	√	√	√	√					√		411-63001
411620-1	**HELIX 7** MEGA SI GPS G4						√	√	√	√			√		411-62001
411590-1	**HELIX 7** CHIRP SI GPS G4						√	√			√	√	√		411-59001
411610-1	**HELIX 7** MEGA DI GPS G4						√	√		√			√		411-61001
411670-1	**HELIX 5** CHIRP DI GPS G3						√	√				√	√		411-67001
410200-1	**HELIX 5** DI G2											√			410-20001
411660-1	**HELIX 5** CHIRP GPS G3						√	√					√		411-66001
411680-1	**HELIX 5** CHIRP GPS G3 PT						√	√					√		411-68001
410190-1	**HELIX 5** Sonar G2													√	410-19001
410160-1	**PirahaMax 4** DI											√		√	410-16001
410150-1	**PirahaMax 4**													√	410-15001
410170-1	**PirahaMax 4** PT													√	410-17001

Networking Non-Networking

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SIMPLY. CLEARLY. BETTER.

HELIX 5 SONAR G2
w/ Dual Beam PLUS

- 5" HD 256 Colour TFT
- 800H x 480V pixel resolution
- Sonar Standard: Dual Beam PLUS
- Sonar Frequency: 83/200 kHz
- Depth Sonar: 1,500 ft. (Standard Transducer)
- Temperature: Built-in, Speed optional
- Compatible with: AIS, AutoPilot
- 500 Watts (RMS) / 4000 Watts (PTP)
- Standard Mounting Size: 7.55"W x 4.64"H x 3.3"D

ORDER NO. 410-19001 Mfr. No. 410190-1

HELIX 5 DI G2
w/ Down Imaging, Dual Beam PLUS

- 5" HD 256 Colour TFT
- 800H x 480V pixel resolution
- Sonar Standard: Down Imaging, Dual Beam PLUS
- Sonar Frequency: 200/455/800 kHz
- Depth Sonar: 600 ft. (Standard Transducer)
- Depth Down Imaging: 350 ft.
- Temperature: Built-in, Speed optional
- Compatible with: AIS, AutoPilot
- 500 Watts (RMS) / 4000 Watts (PTP)
- Standard Mounting Size: 7.55"W x 4.64"H x 3.3"D

ORDER NO. 410-20001 Mfr. No. 410200-1

HELIX 5 CHIRP GPS G3 w/ Built-In GPS, Built-In Mapping, Dual Spectrum CHIRP

- 5" HD 256 Colour TFT
- 800H x 480V pixel resolution
- Sonar Standard: Dual Spectrum CHIRP
- CHIRP Frequency: Supported
- Sonar Frequency: 50/80/200 kHz
- Depth Sonar: 1,200 ft. (Standard Transducer)
  3,000 ft. (Optional 50kHz)
- Temperature: Built-in, Speed included
- Memory Card Slot: Single Micro SD
- Compatible with: AIS, AutoPilot, Minn Kota US2 Sonar
- LakeMaster, Coast Master Compatibility
- Navionics Gold/HotMaps, Platinum+, Platinum Compatibility
- 500 Watts (RMS) / 4000 Watts (PTP)
- Standard Mounting Size: 7.55"W x 4.64"H x 3.3"D

ORDER NO. 411-66001 Mfr. No. 411660-1

HELIX 5 CHIRP GPS G3 - PORTABLE
w/ Built-In GPS, Built-In Mapping, Dual Spectrum CHIRP

- 5" HD 256 Colour TFT
- 800H x 480V pixel resolution
- Sonar Standard: Dual Spectrum CHIRP, Portable
- CHIRP Frequency: Supported
- Sonar Frequency: 50/80/200 kHz
- Depth Sonar: 1,200 ft. (Standard Transducer)
  3,000 ft. (Optional 50kHz)
- Temperature: Built-in, Speed included
- Memory Card Slot: Single Micro SD
- Compatible with: AIS, AutoPilot, Minn Kota US2 Sonar
- LakeMaster, Coast Master Compatibility
- Navionics Gold/HotMaps, Platinum+, Platinum Compatibility
- 500 Watts (RMS) / 4000 Watts (PTP)
- Standard Mounting Size: Portable

ORDER NO. 411-68001 Mfr. No. 411680-1

HELIX 5 CHIRP DI GPS G3 w/ Built-In GPS, Built-In Mapping, Down Imaging, Dual Spectrum CHIRP

- 5" HD 256 Colour TFT
- 800H x 480V pixel resolution
- Sonar Standard: CHIRP Down Imaging, Dual Spectrum CHIRP
- CHIRP Frequency/ CHIRP Imaging Frequency: Supported
- Sonar Frequency: 50/83/200/455 kHz
- Depth Sonar: 1,200 ft. (Standard Transducer)
  3,000 ft. (Optional 50kHz)
- Temperature: Built-in, Speed included
- Memory Card Slot: Single Micro SD
- Compatible with: AIS, AutoPilot, Minn Kota US2 Sonar
- LakeMaster, Coast Master Compatibility
- Navionics Gold/HotMaps, Platinum+, Platinum Compatibility
- 500 Watts (RMS) / 4000 Watts (PTP)
- Standard Mounting Size: 7.55"W x 4.64"H x 3.3"D

ORDER NO. 411-67001 Mfr. No. 411670-1M

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For more information see:
www.humminbird.com

Note: Features and specifications are subject to change without notice.

HELIX 7 CHIRP SI GPS G4 w/ Built-In GPS, Built-In Mapping, Dual Spectrum CHIRP, Down Imaging, Side Imaging

- 7" HD 256 Colour TFT
- 1024H x 600V pixel resolution
- Sonar Standard: Dual Spectrum CHIRP, CHIRP Down Imaging, CHIRP Side Imaging
- CHIRP Frequency/ CHIRP Imaging Frequency: Supported
- Sonar Frequency: 50/83/200/455/800 kHz
- Depth Sonar: 1,200 ft. (Standard Transducer)
  3,500 ft. (Optional 50kHz)
- Temperature: Built-in, Speed included
- Memory Card Slot: Single Micro SD
- Compatible with: AIS, AutoPilot, Minn Kota US2 Sonar
- LakeMaster, Coast Master Compatibility
- Navionics Gold/HotMaps, Platinum+, Platinum Compatibility
- 500 Watts (RMS) / 4000 Watts (PTP)
- Standard Mounting Size: 10.54"W x 5.80"H x 3.68"D

ORDER NO. 411-59001
Mfr. No. 411590-1M

HELIX 7 CHIRP MEGA DI GPS G4 w/ Built-In GPS, Built-In Mapping, Dual Spectrum CHIRP, Down Imaging, MEGA Imaging

- 7" HD 256 Colour TFT
- 1024H x 600V pixel resolution
- Sonar Standard: Dual Spectrum CHIRP, MEGA Down Imaging
- CHIRP Frequency/ CHIRP Imaging Frequency: Supported
- Sonar Frequency: 50/83/200/455/800 kHz &1.2 MHz
- Depth Sonar: 1,200 ft. (Standard Transducer)
  3,500 ft. (Optional 50kHz)
- Temperature: Built-in, Speed included
- Memory Card Slot: Single Micro SD
- Compatible with: AIS, AutoPilot, Minn Kota US2 Sonar, Minn Kota Built-In MEGA DI
- LakeMaster, Coast Master Compatibility
- Navionics Gold/HotMaps, Platinum+, Platinum Compatibility
- 500 Watts (RMS) / 4000 Watts (PTP)
- Standard Mounting Size: 10.54"W x 5.80"H x 3.68"D

ORDER NO. 411-61001
Mfr. No. 411610-1M

HELIX 7 CHIRP MEGA SI GPS G4

w/ Built-In GPS, Built-In Mapping, Dual Spectrum CHIRP, Down Imaging, Side Imaging, MEGA Imaging

- 7" HD 256 Colour TFT
- 1024H x 600V pixel resolution
- Sonar Standard: Dual Spectrum CHIRP, MEGA Down Imaging, MEGA Side Imaging
- CHIRP Frequency/ CHIRP Imaging Frequency: Supported
- Sonar Frequency: 50/83/200/455/800 kHz &1.2 MHz
- Depth Sonar: 1,200 ft. (Standard Transducer)
  3,500 ft. (Optional 50kHz)
- Temperature: Built-in, Speed included
- Memory Card Slot: Single Micro SD
- Compatible with: AIS, AutoPilot, Minn Kota US2 Sonar, Minn Kota Built-In MEGA DI
- LakeMaster, Coast Master Compatibility
- Navionics Gold/HotMaps, Platinum+, Platinum Compatibility
- 500 Watts (RMS) / 4000 Watts (PTP)
- Standard Mounting Size: 10.54"W x 5.80"H x 3.68"D

ORDER NO. 411-62001
Mfr. No. 411620-1M

HELIX 7 CHIRP GPS G4N

w/ Built-In GPS, Built-In Mapping, Dual Spectrum CHIRP, Bluetooth, Networking, WiFi

- 7" HD 256 Colour TFT
- 1024H x 600V pixel resolution
- Sonar Standard: Dual Spectrum CHIRP
- CHIRP Frequency: Supported
- Sonar Frequency: 50/83/200 kHz
- Depth Sonar: 1,200 ft. (Standard Transducer)
  3,500 ft. (Optional 50kHz)
- Temperature: Built-in, Speed included
- Memory Card Slot: Dual Micro SD
- Compatible with: AIS, AutoPilot, Minn Kota US2 Sonar, One-Boat Network, Minn Kota i-Pilot Link, Minn Kota Talon/Raptor, NMEA 2000, Radar
- LakeMaster, Coast Master Compatibility
- Navionics Gold/HotMaps, Platinum+, Platinum Compatibility
- 500 Watts (RMS) / 4000 Watts (PTP)
- Standard Mounting Size: 10.54"W x 5.80"H x 3.68"D

ORDER NO. 411-63001
Mfr. No. 411630-1M

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HELIX 7 CHIRP MEGA DI GPS G4N

w/ Built-In GPS, Built-In Mapping, Dual Spectrum CHIRP, Down Imaging, MEGA Imaging, MEGA Live Imaging, Bluetooth, Networking, Wi-Fi

- 7" HD 256 Colour TFT
- 1024H x 600V pixel resolution
- Sonar Standard: Dual Spectrum CHIRP, MEGA Down Imaging,
- CHIRP Frequency/ CHIRP Imaging Frequency: Supported
- Sonar Frequency: 50/83/200/455/800 kHz & 1.2 MHz
- Depth Sonar: 1,200 ft. (Standard Transducer)
  3,500 ft. (Optional 50kHz)
- Temperature: Built-in, Speed included
- Memory Card Slot: Dual Micro SD
- Compatible with: AIS, AutoPilot, Minn Kota US2 Sonar, Minn Kota Built-In MEGA DI, MEGA Live, One-Boat Network, Minn Kota i-Pilot Link, Minn Kota Talon/Raptor, NMEA 2000, Radar
- LakeMaster, Coast Master Compatibility
- Navionics Gold/HotMaps, Platinum+, Platinum Compatibility
- 500 Watts (RMS) / 4000 Watts (PTP)
- Standard Mounting Size: 10.54"W x 5.80"H x 3.68"D

ORDER NO. 411-64001
Mfr. No. 411640-1M

NEW!

HELIX 7 CHIRP MEGA SI GPS G4N

w/ Built-In GPS, Built-In Mapping, Dual Spectrum CHIRP, Down Imaging, Side Imaging, MEGA Imaging, MEGA Live Imaging, Bluetooth, Networking, Wi-Fi

- 7" HD 256 Colour TFT
- 1024H x 600V pixel resolution
- Sonar Standard: Dual Spectrum CHIRP, MEGA Down Imaging, MEGA Side Imaging
- CHIRP Frequency/ CHIRP Imaging Frequency: Supported
- Sonar Frequency: 50/83/200/455/800 kHz & 1.2 MHz
- Depth Sonar: 1,200 ft. (Standard Transducer)
  3,500 ft. (Optional 50kHz)
- Temperature: Built-in, Speed included
- Memory Card Slot: Dual Micro SD
- Compatible with: AIS, AutoPilot, Minn Kota US2 Sonar, Minn Kota Built-In MEGA DI, MEGA Live, One-Boat Network, Minn Kota i-Pilot Link, Minn Kota Talon/Raptor, NMEA 2000, Radar
- LakeMaster, Coast Master Compatibility
- Navionics Gold/HotMaps, Platinum+, Platinum Compatibility
- 500 Watts (RMS) / 4000 Watts (PTP)
- Standard Mounting Size: 10.54"W x 5.80"H x 3.68"D

ORDER NO. 411-65001
Mfr. No. 411650-1M

NEW!

FISHFINDER UC H7R2
UNIT COVER HELIX 7 G4N

- A silicone cover for all HELIX 7 models that helps keep your fish finder protected when not in use
- Not for use while trailering boat
- Colour: Black

ORDER NO. 780-04410
Mfr. No. 780044-1

Note: Features and specifications are subject to change without notice.

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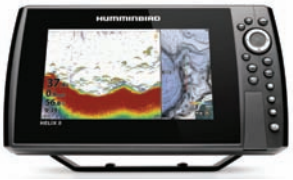

HELIX 8 CHIRP GPS G4N w/ Built-In GPS, Built-In Mapping, Dual Spectrum CHIRP, Bluetooth, Networking, Wi-Fi

- 8" HD 256 Colour TFT
- 1024H x 600V pixel resolution
- Sonar Standard: Dual Spectrum CHIRP
- CHIRP Frequency: Supported
- Sonar Frequency: 50/80/200 kHz
- Depth Sonar: 1,200 ft. (Standard Transducer)
  3,500 ft. (Optional 50kHz)
- Temperature: Built-in, Speed included
- Memory Card Slot: Dual Micro SD
- Compatible with: AIS, AutoPilot, Minn Kota i-Pilot Link, Minn Kota Talon/Raptor, NMEA 2000, Radar, One-Boat Network, Minn Kota US2 Sonar
- LakeMaster, Coast Master Compatibility
- Navionics Gold/HotMaps, Platinum+, Platinum Compatibility
- 1000 Watts (RMS) / 8000 Watts (PTP)
- Standard Mounting Size: 12"W x 7.0"H x 4.13"D

ORDER NO. 411-33001
Mfr. No. 411330-1

NEW!

HELIX 8 CHIRP MEGA DI GPS G4N w/ Built-In GPS, Built-In Mapping, Dual Spectrum CHIRP, Down Imaging, MEGA Imaging, Bluetooth, Networking, Wi-Fi

- 8" HD 256 Colour TFT
- 1024H x 600V pixel resolution
- Sonar Standard: Dual Spectrum CHIRP, MEGA Down Imaging
- CHIRP Frequency/ CHIRP Imaging Frequency: Supported
- Sonar Frequency: 50/83/200/455/800 kHz & 1.2 MHz
- Depth Sonar: 1,200 ft. (Standard Transducer)
  3,500 ft. (Optional 50kHz)
- Temperature: Built-in, Speed included
- Memory Card Slot: Dual Micro SD
- Compatible with: AIS, AutoPilot, Minn Kota i-Pilot Link, Minn Kota Talon/Raptor, NMEA 2000, Radar, One-Boat Network, Minn Kota Built-In MEGA DI, Minn Kota US2 Sonar, MEGA Live
- LakeMaster, Coast Master Compatibility
- Navionics Gold/HotMaps, Platinum+, Platinum Compatibility
- 1000 Watts (RMS) / 8000 Watts (PTP)
- Standard Mounting Size: 12"W x 7.0"H x 4.13"D

ORDER NO. 411-34001
Mfr. No. 411340-1

NEW!

HELIX 8 CHIRP MEGA SI+ GPS G4N w/ Built-In GPS, Built-In Mapping, Dual Spectrum CHIRP, Down Imaging, MEGA Imaging+, Bluetooth, Networking, Side Imaging, Wi-Fi

- 8" HD 256 Colour TFT
- 1024H x 600V pixel resolution
- Sonar Standard: Dual Spectrum CHIRP, MEGA Down Imaging+, MEGA Side Imaging+
- CHIRP Frequency/ CHIRP Imaging Frequency: Supported
- Sonar Frequency: 50/83/200/455/800 kHz & 1.2 MHz
- Depth Sonar: 1,200 ft. (Standard Transducer)
  3,500 ft. (Optional 50kHz)
- Temperature: Built-in, Speed included
- Memory Card Slot: Dual Micro SD
- Compatible with: AIS, AutoPilot, Minn Kota i-Pilot Link, Minn Kota Talon/Raptor, NMEA 2000, Radar, MEGA 360, One-Boat Network, Minn Kota Built-In MEGA DI, Minn Kota Built-In MEGA SI, Minn Kota US2 Sonar, MEGA Live
- LakeMaster, Coast Master Compatibility
- Navionics Gold/HotMaps, Platinum+, Platinum Compatibility
- 1000 Watts (RMS) / 8000 Watts (PTP)
- Standard Mounting Size: 12"W x 7.0"H x 4.13"D

ORDER NO. 411-35001
Mfr. No. 411350-1M

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www.humminbird.com

Note: Features and specifications are subject to change without notice.

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HELIX 9 CHIRP GPS G4N

w/ Built-In GPS, Built-In Mapping, Dual Spectrum CHIRP, Bluetooth, Networking, Wi-Fi

- 9" HD 256 Colour TFT
- 1024H x 600V pixel resolution
- Sonar Standard: Dual Spectrum CHIRP
- CHIRP Frequency: Supported
- Sonar Frequency: 50/80/200 kHz
- Depth Sonar: 1,200 ft. (Standard Transducer), 3,500 ft. (Optional 50kHz)
- Temperature: Built-in, Speed included
- Memory Card Slot: Dual Micro SD
- Compatible with: AIS, AutoPilot, Minn Kota i-Pilot Link, Minn Kota Talon/Raptor, NMEA 2000, Radar, One-Boat Network, Minn Kota US2 Sonar
- LakeMaster, Coast Master Compatibility
- Navionics Gold/HotMaps, Platinum+, Platinum Compatibility
- 1000 Watts (RMS) / 8000 Watts (PTP)
- Standard Mount Size: 12"W x 7.0"H x 4.13"D

ORDER NO. 411-36001
Mfr. No. 411360-1

NEW!

HELIX 9 CHIRP MEGA DI+ GPS G4N

w/ Built-In GPS, Built-In Mapping, Dual Spectrum CHIRP, Down Imaging, MEGA Imaging+, Bluetooth, Networking, Wi-Fi

- 9" HD 256 Colour TFT
- 1024H x 600V pixel resolution
- Sonar Standard: Dual Spectrum CHIRP, MEGA Down Imaging+
- CHIRP Frequency/ CHIRP Imaging Frequency: Supported
- Sonar Frequency: 50/83/200/455/800 kHz & 1.2 MHz
- Depth Sonar: 1,200 ft. (Standard Transducer), 3,500 ft. (Optional 50kHz)
- Temperature: Built-in, Speed included
- Memory Card Slot: Dual Micro SD
- Compatible with: AIS, AutoPilot, Minn Kota i-Pilot Link, Minn Kota Talon/Raptor, NMEA 2000, Radar, MEGA 360, One-Boat Network, Minn Kota Built-In MEGA DI, Minn Kota US2 Sonar, MEGA Live
- LakeMaster, Coast Master Compatibility
- Navionics Gold/HotMaps, Platinum+, Platinum Compatibility
- 1000 Watts (RMS) / 8000 Watts (PTP)
- Standard Mount Size: 12"W x 7.0"H x 4.13"D

ORDER NO. 411-37001
Mfr. No. 411370-1

NEW!

HELIX 9 CHIRP MEGA SI+ GPS G4N - Built-In GPS, Built-In Mapping, Dual Spectrum CHIRP, Down Imaging, MEGA Imaging+, Bluetooth, Networking, Side Imaging, Wi-Fi

- 9" HD 256 Colour TFT
- 1024H x 600V pixel resolution
- Sonar Standard: Dual Spectrum CHIRP, MEGA Down Imaging+, MEGA Side Imaging+
- CHIRP Frequency/ CHIRP Imaging Frequency: Supported
- Sonar Frequency: 50/83/200/455/800 kHz & 1.2 MHz
- Depth Sonar: 1,200 ft. (Standard Transducer), 3,500 ft. (Optional 50kHz)
- Temperature: Built-in, Speed included
- Memory Card Slot: Dual Micro SD
- AIS, AutoPilot, Minn Kota i-Pilot Link, Minn Kota Talon/Raptor, NMEA 2000, Radar, MEGA 360, One-Boat Network, Minn Kota Built-In MEGA DI, Minn Kota Built-In MEGA SI, Minn Kota US2 Sonar, MEGA Live
- LakeMaster, Coast Master Compatibility
- Navionics Gold/HotMaps, Platinum+, Platinum Compatibility
- 1000 Watts (RMS) / 8000 Watts (PTP)
- Standard Mount Size: 12"W x 7.0"H x 4.13"D

ORDER NO. 411-38001
Mfr. No. 411380-1M

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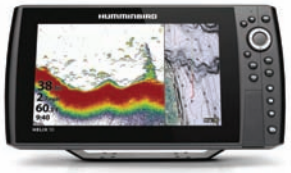
Note: Features and specifications are subject to change without notice.



HELIX 10 CHIRP GPS G4N w/ Built-In GPS, Built-In Mapping, Dual Spectrum CHIRP, Bluetooth, Networking, Wi-Fi

- 10.1" HD 256 Colour TFT
- 1024H x 600V pixel resolution
- Sonar Standard: Dual Spectrum CHIRP
- CHIRP Frequency: Supported
- Sonar Frequency: 50/80/200 kHz
- Depth Sonar: 1,200 ft. (Standard Transducer), 3,500 ft. (Optional 50kHz)
- Temperature: Built-in, Speed included
- Memory Card Slot: Dual SD
- Compatible with: AIS, AutoPilot, Minn Kota i-Pilot Link, Minn Kota Talon/Raptor, NMEA 2000, Radar, One-Boat Network, Minn Kota US2 Sonar
- LakeMaster, Coast Master Compatibility
- Navionics Gold/HotMaps, Platinum+, Platinum Compatibility
- 1000 Watts (RMS) / 8000 Watts (PTP)
- Standard Mount Size: 13.44"W x 7.50"H x 4.2"D

ORDER NO. 411-40001
Mfr. No. 411400-1

NEW!

HELIX 10 CHIRP MEGA DI+ GPS G4N

w/ Built-In GPS, Built-In Mapping, Dual Spectrum CHIRP, Down Imaging, MEGA Imaging+, Bluetooth, Networking, Wi-Fi,

- 10.1" HD 256 Colour TFT
- 1024H x 600V pixel resolution
- Sonar Standard: Dual Spectrum CHIRP, MEGA Down Imaging+
- CHIRP Frequency: Supported
- CHIRP Imaging Frequency: Supported
- Sonar Frequency: 50/83/200/455/800 kHz &1.2 MHz
- Depth Sonar: 1,200 ft. (Standard Transducer), 3,500 ft. (Optional 50kHz)
- Temperature: Built-in, Speed included
- Memory Card Slot: Dual SD
- Compatible with: AIS, AutoPilot, Minn Kota i-Pilot Link, Minn Kota Talon/Raptor, NMEA 2000, Radar, One-Boat Network, Minn Kota Built-In MEGA DI, Minn Kota US2 Sonar, MEGA 360, MEGA Live
- LakeMaster, Coast Master Compatibility
- Navionics Gold/HotMaps, Platinum+, Platinum Compatibility
- 1000 Watts (RMS) / 8000 Watts (PTP)
- Standard Mount Size: 13.44"W x 7.50"H x 4.2"D

ORDER NO. 411-41001
Mfr. No. 411410-1

NEW!

HELIX 10 CHIRP MEGA SI+ GPS G4N

w/ Built-In GPS, Built-In Mapping, Dual Spectrum CHIRP, Down Imaging, MEGA Imaging+, Side Imaging, Bluetooth, Networking, Wi-Fi

- 10.1" HD 256 Colour TFT
- 1024H x 600V pixel resolution
- Sonar Standard: Dual Spectrum CHIRP, MEGA Down Imaging+, MEGA Side Imaging+
- CHIRP Frequency: Supported
- CHIRP Imaging Frequency: Supported
- Sonar Frequency: 50/83/200/455/800 kHz &1.2 MHz
- Depth Sonar: 1,200 ft. (Standard Transducer), 3,500 ft. (Optional 50kHz)
- Temperature: Built-in, Speed included
- Memory Card Slot: Dual SD
- Compatible with: AIS, AutoPilot, Minn Kota i-Pilot Link, Minn Kota Talon/Raptor, NMEA 2000, Radar, One-Boat Network, Minn Kota Built-In MEGA DI, Minn Kota Built-In MEGA SI, Minn Kota US2 Sonar, MEGA 360, MEGA Live
- LakeMaster, Coast Master Compatibility
- Navionics Gold/HotMaps, Platinum+, Platinum Compatibility
- 1000 Watts (RMS) / 8000 Watts (PTP)
- Standard Mount Size: 13.44"W x 7.50"H x 4.2"D

ORDER NO. 411-42001
Mfr. No. 411420-1M

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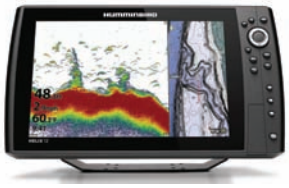

HELIX 12 CHIRP GPS G4N

w/ Built-In GPS, Built-In Mapping, Dual Spectrum CHIRP, Bluetooth, Networking, Wi-Fi

- 12.1" HD 256 Colour TFT
- 1280H x 800V pixel resolution
- Sonar Standard: Dual Spectrum CHIRP
- CHIRP Frequency: Supported
- Sonar Frequency: 50/80/200 kHz
- Depth Sonar: 1,200 ft. (Standard Transducer), 3,500 ft. (Optional 50kHz)
- Temperature: Built-in, Speed included
- Memory Card Slot: Dual SD
- Compatible with: AIS, AutoPilot, Minn Kota i-Pilot Link, Minn Kota Talon/Raptor, Minn Kota US2 Sonar, NMEA 2000, Radar, One-Boat Network,
- LakeMaster, Coast Master Compatibility
- Navionics Gold/HotMaps, Platinum+, Platinum Compatibility
- 1000 Watts (RMS) / 8000 Watts (PTP)
- Standard Mount Size: 14.86"W x 8.83"H x 4.25"D

ORDER NO. 411-43001
Mfr. No. 411430-1

HELIX 12 CHIRP MEGA DI+ GPS G4N

w/ Built-In GPS, Built-In Mapping, Dual Spectrum CHIRP, Down Imaging, MEGA Imaging+, Bluetooth, Networking, Wi-Fi

- 12.1" HD 256 Colour TFT
- 1280H x 800V pixel resolution
- Sonar Standard: Dual Spectrum CHIRP, MEGA Down Imaging+
- CHIRP Frequency/ CHIRP Imaging Frequency: Supported
- Sonar Frequency: 50/83/200/455/800 kHz & 1.2 MHz
- Depth Sonar: 1,200 ft. (Standard Transducer), 3,500 ft. (Optional 50kHz)
- Temperature: Built-in, Speed included
- Memory Card Slot: Dual SD
- Compatible with: AIS, AutoPilot, Minn Kota i-Pilot Link, Minn Kota Talon/Raptor, Minn Kota US2 Sonar, NMEA 2000, Radar, MEGA 360, One-Boat Network, Minn Kota Built-In MEGA DI, MEGA Live
- LakeMaster, Coast Master Compatibility
- Navionics Gold/HotMaps, Platinum+, Platinum Compatibility
- 1000 Watts (RMS) / 8000 Watts (PTP)
- Standard Mount Size: 14.86"W x 8.83"H x 4.25"D

ORDER NO. 411-44001
Mfr. No. 411440-1

HELIX 12 CHIRP MEGA SI+ GPS G4N

Built-In GPS, Built-In Mapping, Dual Spectrum CHIRP, Down Imaging, MEGA Imaging+, Bluetooth, Networking, Side Imaging, Wi-Fi

- 12.1" HD 256 Colour TFT
- 1280H x 800V pixel resolution
- Sonar Standard: Dual Spectrum CHIRP, MEGA Down Imaging+, MEGA Side Imaging+
- CHIRP Frequency/ CHIRP Imaging Frequency: Supported
- Sonar Frequency: 50/83/200/455/800 kHz & 1.2 MHz
- Depth Sonar: 1,200 ft. (Standard Transducer), 3,500 ft. (Optional 50kHz)
- Temperature: Built-in, Speed included
- Memory Card Slot: Dual SD
- AIS, AutoPilot, Minn Kota i-Pilot Link, Minn Kota Talon/Raptor, NMEA 2000, Radar, MEGA 360, One-Boat Network, Minn Kota Built-In MEGA DI, Minn Kota Built-In MEGA SI, Minn Kota US2 Sonar, MEGA Live
- LakeMaster, Coast Master Compatibility
- Navionics Gold/HotMaps, Platinum+, Platinum Compatibility
- 1000 Watts (RMS) / 8000 Watts (PTP)
- Standard Mount Size: 14.86"W x 8.83"H x 4.25"D

ORDER NO. 411-45001
Mfr. No. 411450-1M

HELIX 15 CHIRP MEGA SI+ GPS G4N

w/ Built-In GPS, Built-In Mapping, Dual Spectrum CHIRP, Down Imaging, MEGA Imaging+, Bluetooth, Networking, Side Imaging, Wi-Fi

- 15.4" HD 256 Colour TFT
- 1280H x 800V pixel resolution
- Sonar Standard: Dual Spectrum CHIRP, MEGA Down Imaging+, MEGA Side Imaging+
- CHIRP Frequency/ CHIRP Imaging Frequency: Supported
- Sonar Frequency: 50/83/200/455/800 kHz & 1.2 MHz
- Depth Sonar: 1,200 ft. (Standard Transducer), 3,500 ft. (Optional 50kHz)
- Temperature: Built-in, Speed included
- Memory Card Slot: Dual Micro SD
- Compatible with: AIS, AutoPilot, Minn Kota i-Pilot Link, Minn Kota Talon/Raptor, NMEA 2000, Radar, MEGA 360, One-Boat Network, Minn Kota Built-In MEGA DI, Minn Kota Built-In MEGA SI, Minn Kota US2 Sonar, MEGA Live
- LakeMaster, Coast Master Compatibility
- Navionics Gold/HotMaps, Platinum+, Platinum Compatibility
- 1000 Watts (RMS) / 8000 Watts (PTP)
- Standard Mounting Size: 17.63"W x 10.62"H x 4.44"D

ORDER NO. 411-32001
Mfr. No. 411320-1

For more information see: www.humminbird.com

Note: Features and specifications are subject to change without notice.

SOLIX 10 CHIRP MEGA SI+ G3

w/ Built-In GPS, Built-In Mapping, Dual Spectrum CHIRP, Down Imaging, MEGA Imaging+, Side Imaging, Bluetooth, Networking, Touch Screen, Wi-Fi

- 10.1" HD 256 Colour TFT
- 1280H x 800V pixel resolution
- Sonar Standard: Dual Spectrum CHIRP, MEGA Down Imaging+, MEGA Side Imaging+
- CHIRP Frequency/ CHIRP Imaging Frequency: Supported
- Sonar Frequency: 50/83/200/455/800 kHz &1.2 MHz
- Depth Sonar: 1,200 ft. (Standard Transducer)
  3,500 ft. (Optional Airmar CHIRP)
- Temperature: Built-in, Speed included
- Memory Card Slot: Dual Micro SD
- Compatible with: AIS, AutoPilot, Minn Kota i-Pilot Link, Minn Kota Talon/Raptor, NMEA 2000, Radar, One-Boat Network, Minn Kota Built-In MEGA DI, Minn Kota Built-In MEGA SI, Minn Kota US2 Sonar, MEGA 360, MEGA Live
- LakeMaster, Coast Master Compatibility
- Navionics Gold/HotMaps, Platinum+, Platinum Compatibility
- 1000 Watts (RMS) / 8000 Watts (PTP)
- Standard Mounting Size: 11.81"W x 7.89"H x 4.78"D

ORDER NO. 411-53001
Mfr. No. 411530-1

SOLIX 12 CHIRP MEGA SI+ G3

w/ Built-In GPS, Built-In Mapping, Dual Spectrum CHIRP, Down Imaging, MEGA Imaging+, Side imaging, Bluetooth, Networking, Touch Screen, Wi-Fi,

- 12.1" HD 256 Colour TFT
- 1280H x 800V pixel resolution
- Sonar Standard: Dual Spectrum CHIRP, MEGA Down Imaging+, MEGA Side Imaging+
- CHIRP Frequency/ CHIRP Imaging Frequency: Supported
- Sonar Frequency: 50/83/200/455/800 kHz &1.2 MHz
- Depth Sonar: 1,200 ft. (Standard Transducer)
  3,500 ft. (Optional Airmar CHIRP)
- Temperature: Built-in, Speed included
- Memory Card Slot: Dual Micro SD
- Compatible with: AIS, AutoPilot, Minn Kota i-Pilot Link, Minn Kota Talon/Raptor, NMEA 2000, Radar, One-Boat Network, Minn Kota Built-In MEGA DI, Minn Kota Built-In MEGA SI, Minn Kota US2 Sonar, MEGA 360, MEGA Live
- LakeMaster, Coast Master Compatibility
- Navionics Gold/HotMaps, Platinum+, Platinum Compatibility
- 1000 Watts (RMS) / 8000 Watts (PTP)
- Standard Mounting Size: 13.82"W x 9.55"H x 4.79"D

ORDER NO. 411-55001
Mfr. No. 411550-1

SOLIX 15 CHIRP MEGA SI+ G3

w/ Built-In GPS, Built-In Mapping, Dual Spectrum CHIRP, Down Imaging, MEGA Imaging+, Side Imaging, Bluetooth, Networking, Touch Screen, Wi-Fi

- 15.4" HD 256 Colour TFT
- 1280H x 800V pixel resolution
- Sonar Standard: Dual Spectrum CHIRP, MEGA Down Imaging+, MEGA Side Imaging+
- CHIRP Frequency/ CHIRP Imaging Frequency: Supported
- Sonar Frequency: 50/83/200/455/800 kHz &1.2 MHz
- Depth Sonar: 1,200 ft. (Standard Transducer)
  3,500 ft. (Optional Airmar CHIRP)
- Temperature: Built-in, Speed included
- Memory Card Slot: Dual SD
- Compatible with: AIS, AutoPilot, Minn Kota i-Pilot Link, Minn Kota Talon/Raptor, NMEA 2000, Radar, One-Boat Network, Minn Kota Built-In MEGA DI, Minn Kota Built-In MEGA SI, Minn Kota US2 Sonar, MEGA 360, MEGA Live
- LakeMaster, Coast Master Compatibility
- Navionics Gold/HotMaps, Platinum+, Platinum Compatibility
- 1000 Watts (RMS) / 8000 Watts (PTP)
- Standard Mounting Size: 16.53"W x 10.46"H x 4.83"D

ORDER NO. 411-57001
Mfr. No. 411570-1

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NEW!

APEX 13 MEGA SI+ CHARTPLOTTER

w/ Built-In GPS, Built-In Mapping, Dual Spectrum CHIRP, Down Imaging, MEGA Imaging+, Side Imaging, Networking, Touch Screen, Wi-Fi

- 13.3" HD 256 Colour TFT
- 1920H x 1080V pixel resolution
- Sonar Standard: Dual Spectrum CHIRP, MEGA Down Imaging+, MEGA Side Imaging+
- CHIRP Frequency/ CHIRP Imaging Frequency: Supported
- Sonar Frequency: 50/83/200/455/800 kHz & 1.2 MHz
- Depth Sonar: 1,200 ft. (Standard Transducer), 3,500 ft. (Optional Airmar CHIRP)
- Temperature: Built-in, Speed included
- Memory Card Slot: Dual Micro SD
- Compatible with: AIS, AutoPilot, HDMI In/Out, MEGA 360, MEGA Live, Minn Kota i-Pilot Link, Minn Kota Talon/Raptor, Minn Kota Built-In MEGA DI, Minn Kota Built-In MEGA SI, Minn Kota US2 Sonar, NMEA 2000, One-Boat Network, Radar
- LakeMaster, Coast Master Compatibility
- Navionics Gold/HotMaps, Platinum+, Platinum Compatibility
- 1000 Watts (RMS) / 8000 Watts (PTP)
- Standard Mounting Size: 15.6"W x 9.88"H x 4.88"D

ORDER NO. 411-47001 Mfr. No. 411470-1

NEW!

APEX 16 MEGA SI+ CHARTPLOTTER

w/ Built-In GPS, Built-In Mapping, Dual Spectrum CHIRP, Down Imaging, MEGA Imaging+, Side imaging, Networking, Touch Screen, Wi-Fi,

- 15.6" HD 256 Colour TFT
- 1920H x 1080V pixel resolution
- Sonar Standard: Dual Spectrum CHIRP, MEGA Down Imaging+, MEGA Side Imaging+
- CHIRP Frequency/ CHIRP Imaging Frequency: Supported
- Sonar Frequency: 50/83/200/455/800 kHz & 1.2 MHz
- Depth Sonar: 1,200 ft. (Standard Transducer), 3,500 ft. (Optional Airmar CHIRP)
- Temperature: Built-in, Speed included
- Memory Card Slot: Dual Micro SD
- Compatible with: AIS, AutoPilot, HDMI In/Out, MEGA 360, MEGA Live, Minn Kota i-Pilot Link, Minn Kota Talon/Raptor, Minn Kota Built-In MEGA DI, Minn Kota Built-In MEGA SI, Minn Kota US2 Sonar, NMEA 2000, One-Boat Network, Radar
- LakeMaster, Coast Master Compatibility
- Navionics Gold/HotMaps, Platinum+, Platinum Compatibility
- 1000 Watts (RMS) / 8000 Watts (PTP)
- Standard Mounting Size: 17.65"W x 11.05"H x 4.93"D

ORDER NO. 411-50001 Mfr. No. 411500-1

NEW!

APEX 19 MEGA SI+ CHARTPLOTTER

w/ Built-In GPS, Built-In Mapping, Dual Spectrum CHIRP, Down Imaging, MEGA Imaging+, Side Imaging, Networking, Touch Screen, Wi-Fi

- 18.5" HD 256 Colour TFT
- 1920H x 1080V pixel resolution
- Sonar Standard: Dual Spectrum CHIRP, MEGA Down Imaging+, MEGA Side Imaging+
- CHIRP Frequency/ CHIRP Imaging Frequency: Supported
- Sonar Frequency: 50/83/200/455/800 kHz & 1.2 MHz
- Depth Sonar: 1,200 ft. (Standard Transducer) 3,500 ft. (Optional Airmar CHIRP))
- Temperature: Built-in, Speed included
- Memory Card Slot: Dual Micro SD
- Compatible with: AIS, AutoPilot, HDMI In/Out, MEGA 360, MEGA Live, Minn Kota i-Pilot Link, Minn Kota Talon/Raptor, Minn Kota Built-In MEGA DI, Minn Kota Built-In MEGA SI, Minn Kota US2 Sonar, NMEA 2000, One-Boat Network, Radar
- LakeMaster, Coast Master Compatibility
- Navionics Gold/HotMaps, Platinum+, Platinum Compatibility
- 1000 Watts (RMS) / 8000 Watts (PTP)
- Standard Mounting Size: 20.27"W x 12.58"H x 4.95"D

ORDER NO. 411-24001 Mfr. No. 411240-1

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MODEL	PIRANHAMAX 4	PIRANHAMAX 4 DI	PIRANHAMAX 4 PT (Portable)

MODEL	PIRANHAMAX 4	PIRANHAMAX 4 DI	PIRANHAMAX 4 PT (Portable)
ORDER NO.	410-15001	410-16001	410-17001
Mfr. No.	410150-1	410160-1	410170-1
SPECIFICATIONS			
Display Size - Diagonal	4.3"	4.3"	4.3"
Display Pixel Matrix	272H X 480V	272H X 480V	272H X 480V
Display Type	Colour TFT	Colour TFT	Colour TFT
Display Colours/Greyscale	256 Colours	256 Colours	256 Colours
Sonar Standard	DualBeam	Down Imaging/Dual Beam	DualBeam
Standard Sonar Coverage	28° & 16° @ -10db	28°, 16° & 75° @ -10db	28° & 16° @ -10db
Standard Sonar Frequency	200/455 kHz	200/455/455 kHz	200/455 kHz
Target Separation	2.5"	2.5"	2.5"
Power Output RMS	300 Watts	300 Watts	300 Watts
Power Output Peak to Peak	2400 Watts	2400 Watts	2400 Watts
Depth Capability	600 ft 200 kHz, 320 ft 455 kHz	320 ft (DI), 600 ft - 200 kHz (2D), 320 ft - 455 khz(2D)	600 ft 200 kHz, 320 ft 455 kHz
Temperature	Built-In Transducer	Built-In Transducer	Built-In Transducer
Speed	Not Supported	Not Supported	Not Supported
Backlight	LED	LED	LED
Unit Size - Gimbal Mount	3.914"W x 7.335"H x 3.621"D	3.914"W x 7.335"H x 3.621"D	-
Mount A Type	Gimbal Mount	Gimbal Mount	Portable Case
Unit Size - Indash Mount	In Dash	In Dash	-
Mount B Unit Size2	3.914"W x 5.875"H x 2.600"D	3.914"W x 5.875"H x 2.600"D	-
Mounting Options	Gimbal or Optional In-Dash	Gimbal or Optional In-Dash	Portable
Transducer Standard	407-10236	407-10226-1	407-10236
Transducer Mounting	Inside Hull or Transom	Transom	Portable
Power Input	10.8-20 VDC	10.8-20 VDC	10.8-20 VDC
Power Draw	180mA	180mA	180mA

**In-Dash Mounting Kit for PiranhaMax does not support models manufactured before 2009.*
Note: Features and specifications are subject to change without notice.

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PRECISION GPS RECEIVER AS GRP

- Precision NMEA0183 GPS/WAAS receiver
- Provides fast and precise position fixes accurate within 2.5 meters
- Provides more accurate position fixes than the industry standard GPS
- View your track & speed, mark waypoints, navigate and more
- Plug and play installation
- Comes with 20' cable
- Mount on any flat surface or 1" x 14 thread mountable
- Software must be 6.300 or higher for the Humminbird system to be compatible with the AS GRP GPS receiver
- Receiver's dimensions : 3.25" diameter, 1.5" high
- Power Draw: 28 mA

Note: *This GPS receiver* ***WILL NOT*** *work with Interlink. For use with ONIX Series purchase of AS GPS NMEA cable for connection is required.*

ORDER NO. 408-92001
Mfr. No. 408920-1

ETHERNET CABLE – NETWORKING AS EC 20E

The Ethernet Cable is a 20' cable that allows the connection of two Ethernet capable units to be connected.

ORDER NO. 407-20073-3
Mfr. No. 720073-3

ETHERNET CABLE – NETWORKING AS EC 20E

The Ethernet Cable is a 30' cable that allows the connection of two Ethernet capable units to be connected, or connection of a Humminbird control head to an accessory 5 Port Ethernet Switch (AS ETH 5PXG), as part of a multi-unit Ethernet network. Compatible with: All HELIX 15, HELIX 12, HELIX 10, HELIX 9, HELIX 8, HELIX 7 (G2N and G3N only), all 11xxci, all 9xxci, all 8xxci, 7xxci HD only.
Compatible with: All APEX, SOLIX & ONIX models.
The AS EC QDE is required with all networking products except APEX, SOLIX and ONIX.

ORDER NO. 407-20073-4
Mfr. No. 720073-4

ETHERNET CABLE AS EC 10E

This Ethernet Cable is a 5' cable that allows the connection of two Ethernet capable units to be connected. AS EC QDE may be required with some Humminbird models.

ORDER NO. 407-20073-6
Mfr. No. 720073-6

SPEED TEMP SENSOR TS W

Transom mount temp/speed sensor, 20 ft. cable.
Temperature range of 25-99.9 degrees F.
Speed range of 2-75 MPH.
Note: *Requires purchase of AS T Y cable to connect with HELIX 5 Series, HELIX 7 Series, 600 Series, select 700 HD Series, 8x9 ci Series, 9x9 ci Series & 11x9 ci Series.*

ORDER NO. 334-10010
Mfr. No. 730000-1

ETHERNET ADAPTER CABLE – NETWORKING AS EC QDE

This Ethernet Adapter Cable is required if you want to network (Ethernet) capabilities on a HELIX 9 Series, HELIX 10 Series, HELIX 12 CHIRP Series, 7x8 HD Series, 8x9ci HD Series, 9x9ci HD Series, 11x9ci HD Series Humminbird product. This cable is approximately 12 inches long. Additional adapter cables and Ethernet cables are required if networking 2 of these products.

ORDER NO. 407-20074-1
Mfr. No. 720074-1

FILTERED POWER CABLE - PC 11

- Compatible with all HELIX and earlier models with Down Imaging and Side Imaging Sonar
- 6 ft. in length
- Waterproof

NEW!

ORDER NO. 407-20057-1
Mfr. No. 720057-1

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TRANSDUCER MOUNTING PLATE

attwood

- Mounts easily with only two screws
- Easy to adjust, add or replace transducers
- Marine grade polymer plate will not warp, corrode or be affected by UV Rays
- Includes hardware

ORDER NO. 109-94110-5
Mfr. No. 94110-5

For more information see: www.attwoodmarine.com

TRANSDUCERS & ACCESSORIES

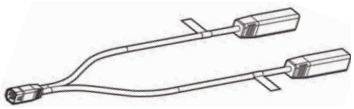
XNT 9 DI T
Down Imaging©/DualBeam Plus©, 75°/45°, 455/800 kHz (DI) and 25°/16°, 200/455 kHz, with built in temperature, 20' Cable
ORDER NO. 407-10226-1
Mfr. No.710226-1

XNT 9 20 T
Single/Dual Beam, 20°/60°, 200/83 kHz, with built in temperature,20' Cable. More secure, especially at high force of waves. Improved running angle and an optional lock down screw to override the kick up.
ORDER NO. 334-710198
Mfr. No. 710198-1

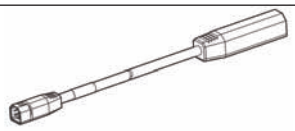
XP 9 HW T
In-Hull Dual Spectrum CHIRP Transducer supports Dual Spectrum CHIRP 2D Sonar with high frequency beam and wide cone angle, offering CHIRP range of 150-220kHz and max depth of 1200ft. Intended for glue-in installation inside single layer fiberglass hulls. Includes built-in temperature sensor, epoxy kit and 20' cable.
ORDER NO. 407-10276
Mfr. No. 710276-1

XNT 9 HW T
Transom Mount Dual Spectrum CHIRP Transducer supports Dual Spectrum CHIRP 2D Sonar with high frequency beam and wide cone angle, offering CHIRP range of 150-220kHz and max depth of 1200ft. Includes built-in temperature sensor, rugged composite design, impact-release mounting bracket and 20' cable.
ORDER NO. 407-10274
Mfr. No. 710274-1

TRANSDUCER ADAPTER CABLE 9 M SIDB Y
Y Cable - Side Imaging and Dual Beam - allows you to use two transducers on one unit without the use of a transducer switch. For use with Side Imaging products only, in conjunction with a dual beam transducer only. For improved high speed performance for bottom tracking. 30".Length.
ORDER NO. 407-20101 Mfr. No. 720101-1



TRANSDUCER EXTENSION CABLES
7 pin transducer extension cables.



ORDER NO. 334-10014 ***- Length: 10 ft.***
Mfr. No. 720096-1

ORDER NO. 334-10032 ***- Length: 30 ft.***
Mfr. No. 720096-2

XHS 9 HDSI 180 T
Dual/HD Side Imaging Transom, 20°/60°/180°, 200/83/455/800 kHz with built in temperature. 20' cable.
ORDER NO. 407-10201-1
Mfr. No.710201-1

TRANSDUCER HARDWARE KIT MHX XNT
Mounting hardware for the XNT transom mount transducers. Includes a kick up bracket and transducer bracket plug.
Note: *We do not recommend the use of a high speed driver when fastening the bolt and nylock washer.*
ORDER NO. 407-40093-1 Mfr. No. 740093-1

MEGA 360 IMAGING - ULTREX TRANSDUCER
For use ONLY on Minn Kota's ULTREX Bow-Mount Trolling Motor!
- Provides a 360˚ detailed-rich view around your vessel
- Provides uninterrupted use of your Ultrex motor while using MEGA 360 Imaging, even while in Spot-Lock™
- Compatible with all APEX & all SOLIX G2 & G3 models

(Check Humminbird website for all HELIX compatible models)

NEW!

ORDER NO. 411-25000-1
Mfr. No. 411250-1

PORTABLE TRANSDUCER XPT 9 20 T
Hydrodynamic, Single or Dual Beam (depending on which fishfinder used with), 20/60 degree, 200/83 kHz with built in temperature.
15' cable.
ORDER NO. 407-10161-1
Mfr. No. 710161-1

XP 9 20 T
In Hull, Single/DualBeam, 20/60˚, 200/83 kHz, with built-in temperature. For use in single layer fiberglass hull.
Compatible with: All HELIX Series except DI models,
Matrix 10, 12, 15, 17, 20, 27, 67, 77, 87, 97.
All PianhaMAX except 240, 165, 175, 176i, 195c, 196ci, 197c, 197c DI, PiranhaMAX4, PiranhaMAX 4 DI.
All 100 & 300 Series except DI.
All 500 Series except DI.
All 600 Series except DI.
All 900 Series except DI, 3D models.
All 1100 Series except DI, and HDR650.
Cable length: 15 feet.
ORDER NO. 334-10044
Mfr. No. 710147-1

For more information see: www.humminbird.com

PANTHER ELECTRONICS MULTI-MOUNTS

Designed to Support The Heaviest GPS Units In The Roughest Conditions.
(Fishfinder, Sonar/GPS/Multi-Purpose Mount)

Panther's Multi-Mounts offer the strength and flexibility to mount your sonar, GPS, or other electronics anywhere in the boat for easy reading. Specifically designed to eliminate drift with unmatched stability, these mounts firmly support the heaviest electronic equipment. This unmatched holding power is achieved with the patented universal ball locking device making them impervious to vibration.

- Posi-lock technology
- Adaptation 360˚ rotation
- Easily removeable & mounts anywhere
- Electronics plate & stainless steel hardware included
- An "Allen Wrench" easily removes your fish finder/depth sounder for security or storage

NEW!

934-950304

934-950308

934-950310

5" NYLON LIGHTWEIGHT COMPOSITE ELECTRONICS MULTI-MOUNT

Ideally suited for small to medium units - up to 5 lbs

ORDER NO. 934-950305
Mfr. No. 95-0305
Replaces 934-00004N

MACHINE ANODIZED ALUMINUM ELECTRONICS MULTI-MOUNT

Holds the heaviest units in place with no drift

ORDER NO.	Mfr. No.	Overall Length	Replaces
934-950304	95-0304	4" Length	934-00004
934-950308	95-0308	8" Length	934-00008
934-950310	95-0310	10" Length	934-00010

4" QUICK-RELEASE MOUNT

The AP-509 couples the AP-MT4NYL 4" nylon composite mount with the AP-500 Quick-Release. Now you can quickly and effortlessly remove expensive electronics from the boat for safe storage. With just a push of the stainless steel plunger pin and a quick twist, your unit is protected. Constructed of corrosion resistant, lightweight and durable materials that will stand up to fresh or saltwater environments. Stainless steel mounting hardware included. Not recommended for use with electronics weighing over 5 lbs.

ORDER NO. 934-00509 Mfr. No. AP-509

LOWRANCE ELITE & MARK SERIES QUICK-CONNECT

Designed to work with Angler's Pal mounts, this adapter allows the user to quickly connect a Lowrance Elite or Mark Series Sounder/GPS to an Angler's Pal mount. Just replace the universal mount plate, that was provided with the original AP mount, with the new AP-505 adapter and attach the unit. When ready for storage, just press and lift to remove your electronics from the mount. Fits Lowrance and Mark series units.

ORDER NO. 934-00505 Mfr. No. AP-505

934-12003

934-12001-1

934-12003-1

934-50003-1

MOUNTING PLATES

ORDER NO.	Mfr. No.	Description
934-12003	AP-12003	Mounting Plate for smaller Humminbird, Lowrance graphs, Anodized Aluminum (4-1/2" x 4-1/2")
934-12001-1	AP-12001NYL	Replacement Nylon Univ. Mounting Plate, 6-1/2" x 2-1/2"
934-12003-1	AP-12003NYL	Replacement Nylon Univ. Mounting Plate, 4-1/2" x 4-1/2 Humminbird/Lowrance
934-50003-1	AP-50003NYL	Replacement Nylon Base Plate for AP-MT4NYL, 2-3/4" Diameter

934-00500

934-40005

ACCESSORIES

ORDER NO.	Mfr. No.	Description
934-00500	AP-500	Electronics Quick Disconnect
934-40005	AP-40005KIT	Multi-Mount to Motor Mount Conversion Kit

For more information see:
www.panthermarineproducts.com

PANTHER

DASH MOUNT ELECTRONICS BRACKET

Accomodates up to 12" electronic units

- Powder-coated, marine-grade aluminum
- Centers unit for better viewing from any position
- Overall length: 10.6"

ORDER NO.	Mfr. No.
934-954000	95-4000

NEW!

ANGLED DECK MOUNT ELECTRONICS BRACKET

Accomodates up to 16" electronic units

- Powder-coated, marine-grade aluminum
- Features 22.5˚ angled plate
- Designed to mount over most recessed trolling motor foot control pedals
- Inside span: 14.1"

ORDER NO.	Mfr. No.
934-954200	95-4200

NEW!

DECK MOUNT ELECTRONICS BRACKET

Accomodates up to 16" electronic units

- Powder-coated, marine-grade aluminum
- Designed to mount over most recessed trolling motor foot control pedals
- Inside span: 14.1"

ORDER NO.	Mfr. No.
934-954400	95-4400

NEW!

TH MARINE

KONG™ WAVE TAMER - ELECTRONICS MOUNT

Developed by anglers for anglers! The original 'Bridge-Type' bow mount is extremely strong, gets mounted to the deck in a sturdy manner.

- Heavy gauge aluminum construction
- Protects electronics from extreme conditions
- Anodized finish
- Universal hole pattern fits most electronics brackets
  - Can easily be drilled for any other models
- Allows electronics to be mounted in center of front deck behind trolling motor pedal
- Allows easy viewing while fishing from either side of boat
- Use 6 1/4" x 2" stainless bolts with 1/4" locking stainless steel nuts

KONG

ORDER NO.	Mfr. No.	Description	Colour
205-91250	SKTM-F-BK-DP	Kong™ Wave Tamer	Black

For more information see: www.thmarinesupplies.com

NO. 269 SWIVEL FISHFINDER MOUNT

Uses the patented Scotty post mount design for quick removal and infinitely adjustable rotation.
Fits Eagle and most Garmin Sounders, can also be adapted to fit other brands.
Includes No. 241 side/deck mount and stainless steel fasteners.
Can be used with No. 382-02420 Rail Mount No. 382-02490 Clamp Mount for added mounting options.

ORDER NO. 382-02690 Mfr. No. 269

Scotty

NO. 270 SWIVEL FISHFINDER MOUNT W/FLUSH DECK MOUNT

Has a sealed base for watertight applications (such as kayak decks)
Same as No. 269 includes No. 382-02440 Flush Deck Mount

ORDER NO. 382-02700 Mfr. No. 270

NO. 272 SWIVEL FISHFINDER MOUNT PLATE & POST BRACKET ONLY

(Mounting bracket not included)
Sold separately and works with Scotty optional rod holder mounts.

ORDER NO. 382-02720 Mfr. No. 272

For more information see: www.scotty.com

FASTENERS & ACCESSORIES
HANDI-MAN MARINE
KEEPING REPAIRS AT BAY

DEPTH FINDER MOUNT KIT

- Stainless Steel
- 10 x 3/4" /4 pcs.

ORDER NO. 754-00459
Mfr. No. 459

For more information see: www.handimanmarine.com

HUMMINBIRD
SIMPLY. CLEARLY. BETTER.

ONTARIO LAKEMASTER MAP CARD

The NEW Humminbird LakeMaster Ontario Edition, Version 2, is a micro map card with SD adapter with over 680 lake maps, including 19 high definition lakes.

- Version 2 includes 129 new lakes, and improved maps for Lac Des Mille Lacs, Trent-Severn Waterway and Lake Timiskaming.
- LakeMaster SD/micro cards include features such as Depth Highlight, Shallow Water Highlight and Water Level Offset, which can be used exclusively with Humminbird fish finders.
- Can be used with Minn Kota i-Pilot Link, allowing you to "Follow" a selected depth contour line, delivering precise, automatic boat control.
- Scrollable lake list allows you to view and research lakes from your Humminbird fish finder on and off the water.
- LakeMaster cards are compatible with all GPS-equipped HELIX, APEX, SOLIX, ONIX and ION Series models, along with select 600-1100 Series models.

ORDER NO. 406-00053-2
Mfr. No. 600053-2

NEW!

QUEBEC LAKEMASTER MAP CARD

The NEW Humminbird LakeMaster Quebec Edition, Version 1, micro map card with SD adapter is loaded with contours for over 1000 lakes within Quebec.

- Includes maps of Gouin Reservoir, Ottawa River, Richelieu River, Lake Champlain, St Lawrence River, Lac St Jean, Lac Témiscaming, Saguenay River, and Lac Mistassini. Also includes many high definition maps for lakes in the Laurentian region.
- LakeMaster SD/micro cards include features such as Depth Highlight, Shallow Water Highlight and Water Level Offset, which can be used exclusively with Humminbird fish finders.
- Can be used with Minn Kota i-Pilot Link, allowing you to "Follow" a selected depth contour line, delivering precise, automatic boat control.
- Scrollable lake list allows you to view and research lakes from your Humminbird fish finder on and off the water.
- LakeMaster cards are compatible with all GPS-equipped HELIX, APEX, SOLIX, ONIX and ION Series models, along with select 600-1100 Series models.

ORDER NO. 406-00055
Mfr. No. 600055-1

MANITOBA LAKEMASTER MAP CARD

The Humminbird LakeMaster Manitoba chart, version 1, is a microSD map card with SD adapter. This chart includes hundreds of lakes across the province and also provides complete HD coverage for Lake of the Woods, Rainy Lake and Rainy River.

- Manitoba Version 1 includes over 160 lakes and rivers, including 100+ HD waters, such as Falcon Lake, Lake of the Prairies, Lake Winnipeg (southern basin) and the Winnipeg River. Additionally, this chart also includes complete HD coverage for Lake of the Woods.
- LakeMaster microSD/SD cards include chart adjustment features such as Depth Highlight, Shallow Water Highlight and Water Level Offset, which can be used exclusively with Humminbird fish finders.
- Compatible with Minn Kota i-Pilot® Link™, providing automatic boat navigation along a selected depth contour line with the "Follow a Contour" feature.
- Scrollable lake list allows you to view and research lakes from your Humminbird fish finder on and off the water.
- LakeMaster cards are compatible with all GPS-equipped HELIX, APEX, SOLIX, ONIX and ION Series models, along with select 600-1100 Series models.

NEW!

ORDER NO. 406-00056-1 Mfr. No. 600056-1

AUTOCHART ZERO LINES MAP CARD SD N AM - *The starting point to your mapping adventure!*

NORTH AMERICAN

The Zero Line is the place where the water meets the shore. It's also the starting point for building your own maps with AutoChart, or AutoChart Live. With these all-important Zero Lines as your foundation, you can begin creating your own, accurate and detailed maps of any fishing spot, even where contour coverage doesn't exist.

Anglers can purchase additional Zero Line Map Cards to view the AutoChart created maps on multiple Humminbird units.

Simply export the map from the PC program to the extra Zero Line Map Cards and you'll have multiple charts of your favorite fishing spots ready to view on a range of compatible* Humminbird fish finders.

*Optional for select ONIX, ION, HELIX, 1100, 900, 800, and 600 Series models. Compatibility subject to change without notice.

Specifications:

- 32 GB SD card containing zero lines for with over 140,000 named water bodies and over 1.75 million unnamed water bodies in the United States and over 96,000 named water bodies and over 3.85 million unnamed water bodies in Canada. Plus there is 16 GB of free space to maintain your custom maps.
- Card must be present to get the detailed zero line base map to display in AutoChart PC
- All Humminbird units will require software update

Don't want to wait for the retail package?
Purchase the digital-only version and receive it today!
Remember, you must have a 32GB (or higher) SD card.

ORDER NO. 406-00033 Mfr. No. 600033-1

NOTE: Opened packages are not eligible for return

DC CABLECLAMS

Provides a waterproof pass-through for antenna cables without requiring removal of the factory installed connector.

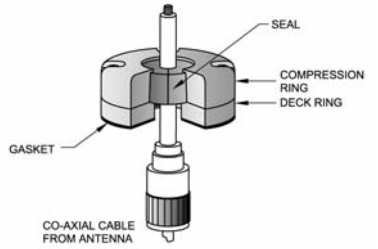
- Save the expense of removing and replacing connectors
- Avoid poor connections from removing factory connectors
- Use 1001, 1001100 for GPS cables, 1002, 1002100 for VHF cables, 1003, 1003100 for Radar cables
- Pre-drilled and slit rubber seals for easier installation
- 1001100, 1002100, 1003100 include a 316 stainless steel cap which conceals mounting hardware and matches other deck hardware
- Stainless steel fasteners included

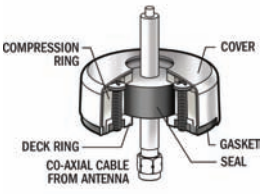
Specifications:

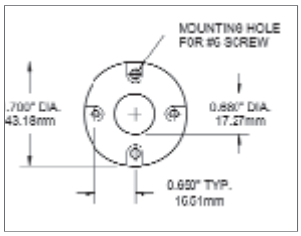
Ring Material: UV-Stabilized Thermoplastic
Seal Material: UV-Stabilized Buna-N Rubber

1001

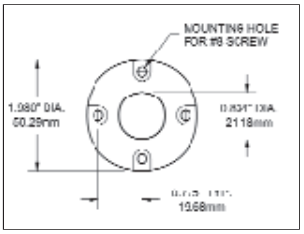
1001100



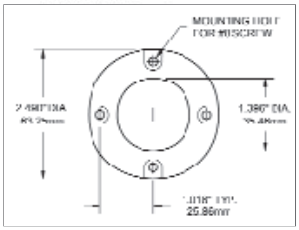




10001, 1001100



10002, 1002100



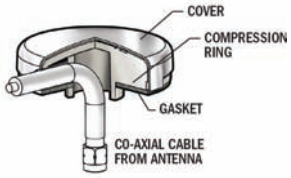
10003, 1003100

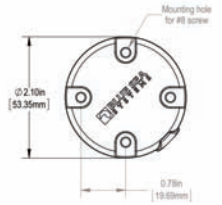
ORDER NO.	Mfr. No.	Seals Incl.	Max. Connector Dia. in (mm)	Max. Cable Dia. in (mm)	Polished SS Dress Cap	Mounting Holes
738-10010	1001		0.68 (17.0)	0.31 (8.0)		#6 x 7/8" Screws
738-1001100	1001100	3	0.68 (17.0)	0.31 (8.0)	Yes	#6 x 7/8" Screws
738-10020	1002		0.83 (21.0)	0.44 (11.0)		#8 x 7/8" Screws
738-1002100	1002100	3	0.83 (21.0)	0.44 (11.0)	Yes	#8 x 7/8" Screws
738-10030	1003		1.40 (35.0)	0.56 (14.0)		#8 x 7/8" Screws
738-1003100	1003100	1	1.40 (35.0)	0.56 (14.0)	Yes	#8 x 7/8" Screws

SIDE ENTRY CABLECLAMS WITH STAINLESS STEEL DRESS CAP

Provides a waterproof side entry for antenna cables without requiring removal of the factory installed connector.

- Simple one-piece design for easy side mount installations
- Low profile, contoured edge reduces the risk of tangling lines
- A polished stainless steel dress cap conceals mounting hardware, matches other deck hardware and offers protection from UV
- Includes all fasteners. For use above the waterline only




1007100

ORDER NO.	Mfr. No.	Max. Connector Dia. in (mm)	Max. Cable Dia. in (mm)	Polished SS Dress Cap	Mounting Holes
738-1007100	1007100	1.00 (25.40)	0.28 (7.112)	Yes	Accept #6 x 7/8" Screws

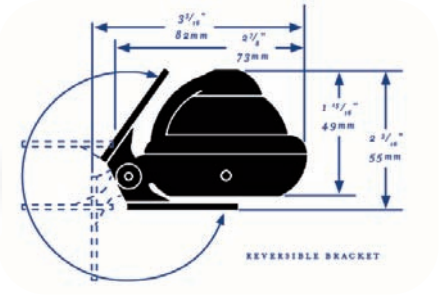
RITCHIE® NAVIGATION

RITCHIESPORT® For Powerboats 16 Feet (4.88m), 2" (5.08cm) Dial/Direct Read

BRACKET MOUNT

Night Lighting: 12 V Green
Compensators: Built-in
Warranty: 5-Year

ORDER NO.	Mfr. No.	Description
617-00100	X-10-M	Grey
617-00101	X-10W-M	White

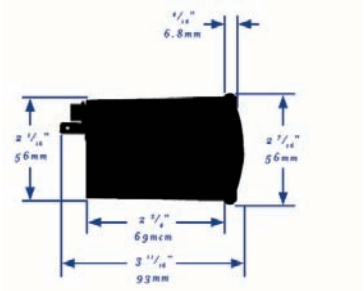


DASH MOUNT

Night Lighting: 12 V Green
Viewing: Adjustable to 30°
Compensators: None
Mounting Hole: 2-1/16" (56mm) STD 2" Gauge Hole
Warranty: 5-Year

ORDER NO.	Mfr. No.	Description
617-02100	X-21-BB	Black
617-02101	X-21-WW	White
617-02102	X-21-BU	Blue

X-21-WW



KAYAK COMPASSES & ACCESSORIES

SPORTABOUT®

SportAbout Holder
White, Model No. X-11-HW

The New SportAbout Holder can be Deck Mounted to make your SportAbout a Steering Compass on Small Boats.

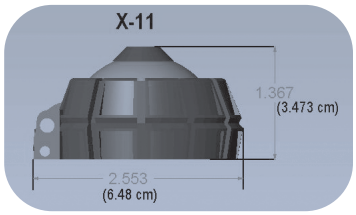
For Convenient storage mount the Holder on a Bulkhead

SportAbout™ compasses are compact, portable and perfect for reliable navigation in compact boats where space is at a premium.

Features:

- Easy-to-Read 2" Direct-Reading Dial
- Silicon Impact Resistant Case with Neck Lanyard
- Compact Size for Easy Handling and Storage
- QuickSight™ V-Notch and Lubber Line for Easy Heading Alignment
- Non-Electric Chem Sticks Provide 18 Hours of Night Lighting
- New Holder Ideal for Deck Mounting SportAbout Compasses on Small Boats

ORDER NO.	Mfr. No.	Description
617-00111	X-11Y	SportAbout Compass Holder sold separately
617-00011	X-11-HW	SportAbout Holder Only
Replacement Lighting		
617-00514	RS-0051-4	Illuminator 4/Pack

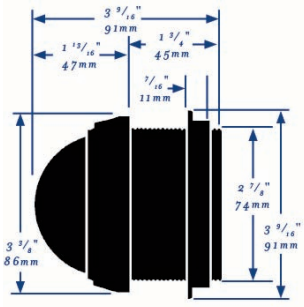


RITCHIE KAYAKER™ BULKHEAD MOUNT

Ideal for NDK Kayaks
Slope mount with 2-3/4" (7cm) Direct-Read Dial

Night Lighting N/A
Viewing Adjustable up to 45°
Compensators Built-in
Warranty 5-Year

ORDER NO.	Mfr. No.	Colour
617-05270	V-527	Black



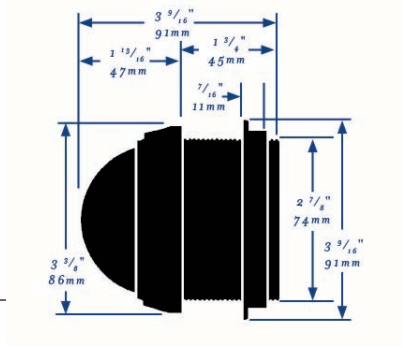
For more information see: www.ritchienavigation.com

RITCHIE® NAVIGATION

EXPLORER™ COMPASSES For Powerboats up to 24 Feet (7.32m), 2-3/4" Dial/Direct Read

DASH MOUNT

Night Lighting: 12 V
Viewing: Adjustable to 30°
Compensators: Built-in
Mounting Hole: 3" (7.62cm) Instrument Hole
Warranty: 5-Year

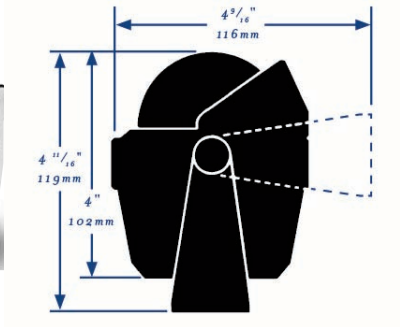


ORDER NO.	Model No.	Colour
617-00570	V-57.2	Black

BRACKET MOUNT

World Famous accuracy and versatility are combined in the bracket mount models.

Night Lighting: 12 V Green
Compensators: Built-in
Warranty: 5-Year



ORDER NO.	Model No.	Description
617-00510	B-51	Traditional Black
617-00511	B-51G	No Glare Grey w/ High-Visibility Blue Dial
617-00051	B-51W	Designer White
617-00004	EX-0004XSP	Replacement Bracket Only, Black
617-00052	EX-0005-2	Replacement Bulbs, 12V - Clear, 2/Pack
617-00077	SH-0077XSP	Bracket Thumbscrew (Black), 2/Pack

RITCHIE® NAVIGATION

For more information see:
www.ritchienavigation.com

RITCHIE® NAVIGATION

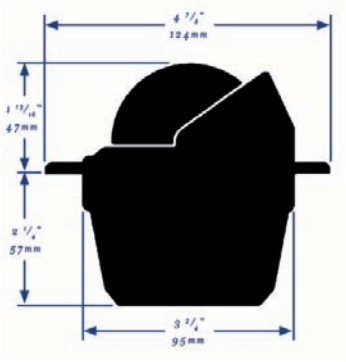
EXPLORER™ COMPASSES For Powerboats up to 24 Feet (7.32m), 2-3/4" Dial/Direct Read

FLUSH MOUNT

The Explorer Flush Mount Compass combines a 2-3/4". Direct-Reading Dial with a low profile design and secure installation for today's small to mid-sized power boats.

Night Lighting: 12 V Green
Compensators: Built-in
Mounting Hole: 3-3/4" (9.5cm)
Warranty: 5-Year

ORDER NO.	Model No.	Colour
617-00500	F-50	Black
617-00052	EX-0005-2	Replacement Bulbs, 12V, Clear, 2-Pack

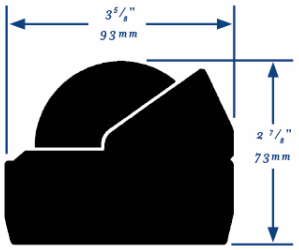


SURFACE MOUNT

The Perfect small power boat compass that has push button removal for easy-on mounting, easy-off storage and security.

Night Lighting: 12 V Green
Compensators: Built-in
Warranty: 5-Year

ORDER NO.	Model No.	Description
617-00530	S-53	Traditional Black
617-00531	S-53W	Designer White
617-00052	EX-0005-2	Replacement Bulbs, 12V, Clear, 2-Pack



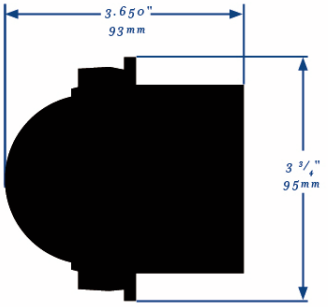
EXPLORER™ COMPASSES For Sailboats up to 24 Feet (7.32m) 2-3/4" (6.99cm) Dial

BULKHEAD MOUNT

Night Lighting: 12 V Green
Viewing: Adjustable to 30°/Heel angle to 25°
Compensators: Built-in
Mounting Hole: 3" (7.6 cm)
Warranty: 5-Year

ORDER NO.	Mfr. No.	Description
617-05370	V-537	Black Dial
617-05371	V-537W	White Dial
617-05372	V-537B	Blue Dial

V-537

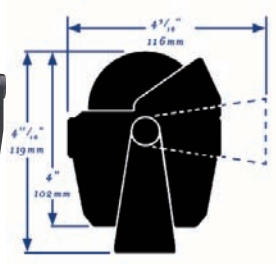


RITCHIE ANGLER® COMPASSES For Power Fishing Boats up to 24 Feet (7.32m)

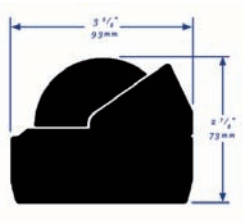
Dial Design: Blue Direct Read 2-3/4"
Night Lighting: 12 V Green
Compensators: Built-in
Warranty: 5-Year

ORDER NO.	Mfr. No	Description
617-00910	RA-91	Bracket Mount
617-00930	RA-93	Surface Mount

Bracket Mount



Surface Mount

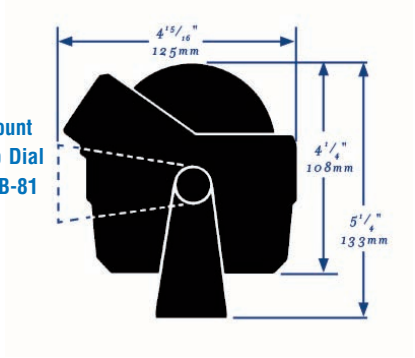


For more information see: www.ritchienavigation.com

VOYAGER® COMPASSES For Powerboats up to 28 Feet (8.54M), 3" (7.62cm) Dial

BRACKET MOUNT

Dial Design: CombiDial
Night Lighting: 12 V Green
Compensators: Built-in
Warranty: 5-Year



Bracket Mount CombiDamp Dial Model No. B-81

ORDER NO.	Mfr. No.	Description
617-00810	B-81	Bracket Mount (Black)
617-00007	VY-0007XSP	Replacement Bracket Only
617-00077	SH-0077XSP	Bracket Thumbscrew (Black), 2-Pack

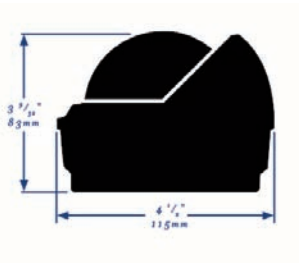
SURFACE MOUNT

Dial Design: CombiDial
Night Lighting: 12 V Green
Compensators: Built-in
Warranty: 5-Year

ORDER NO.	Mfr. No.	Description
617-00870	S-87	Traditional Black
617-00871	S-87W	Designer White

Voyager Model No. S-87

Voyager Model No. S-87W

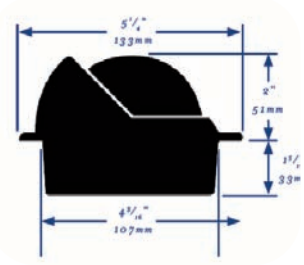


VOYAGER® COMPASSES For Power or Sailboats up to 28 Feet (8.54M), 3" (7.62cm) Dial

FLUSH MOUNT

Dial Design: CombiDial
Night Lighting: 12 V Green
Compensators: Built-in
Mounting Hole: 4-3/16" (10.67cm)
Warranty: 5-Year

ORDER NO.	Mfr. No.	Description
617-00830	F-83	Flush Mount Compass (Black)
617-00831	F-83W	Flush Mount Compass (White with White Dial)



Flush Mount CombiDamp Dial
Model No. F-83
Model No. F83W (White with White Dial)

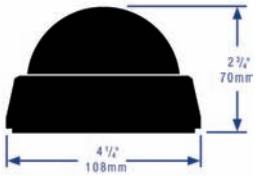
Model No.: F-83 / 83W
Protective Cover: V-83-C
Mounting Hole: 4 1/16" (10.64cm)

X-PORT TACTICIAN™ For small racing sailboats Up to 24 Feet (7.32m) - 3" (7.36cm) Dial

SURFACE MOUNT

Dial Design: 3" CombiDial with tactical quadrants to show wind shifts and headers
Warranty: 5-Year

ORDER NO.	Mfr. No.	Description
617-00590	XP-98W	White



RITCHIE® NAVIGATION

VENTURE® For Sailboats 16 - 36 feet (4.88m to 10.97m) - 3-3/4" (9.53cm) Combi Dial

BULKHEAD MOUNT

Compensators: SR-CM2 (not included)
Mounting Hole: 4-1/2" (113mm) - 4-5/8" (122mm)
Warranty: 5-Year
Protective Cover: Front & Back Included
INC-45 Clinometer: Included

ORDER NO.	Mfr. No.	Description
617-30002	SR-2	Black

SUPERSPORT™

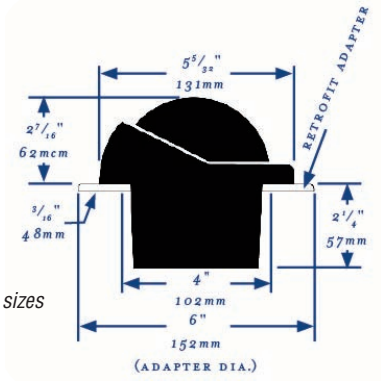
For High-Performance Powerboats 25-35 Feet (7.63m to 10.68m), 3-3/4" (9.53cm) Blue PowerDamp Plus Flat Card

FLUSH MOUNT

Night Lighting: 12 V Green
Compensators: Built-in
Mounting Hole: 4" (10.16cm), up to 5" w/adapter
Warranty: 5-Year

ORDER NO.	Mfr. No.	Description
617-10020	SS-1002	Black
617-10021	SS-1002W	White
617-07410	H-741-C	Protective Cover
617-00002*	H-ABLK	Adapter Kit (Black)
617-00003*	H-AWHT	Adapter Kit (White)
617-01260	SH-0195KIT	Repl. LED Kit, 12V Green

*Use to retrofit existing mounting hole sizes 4-1/4 to 5 inches in diameter



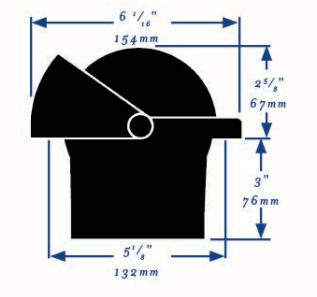
SUPERSPORT™

For High-Performance Powerboats 28-45 Feet (8.54m to 13.73m), 4-1/2" (11.43cm) Blue PowerDamp Plus Flat Card

FLUSH MOUNT

Night Lighting: 12 V Green
Compensators: Built-in
Mounting Hole 5-1/8" (13.02cm)
Warranty: 5-Year

ORDER NO.	Mfr. No.	Description
617-20000	SS-2000	Black
617-02001	N-203-C	Protective Cover



SUPERSPORT™

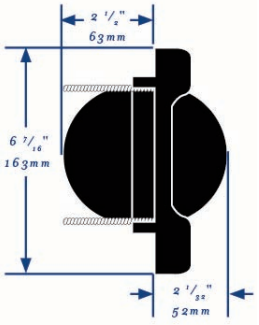
For power boats 20 Feet (6.10m) and over - 3-3/4" (9.53cm) Combi Dial

DASH MOUNT

Night Lighting: 12V - 24V Blue
Compensators: Included
Mounting Hole: 4-1/2" (12.2cm)
Warranty: 5-Year
Protective Cover: Provided
Mount at any angle up to 45°

ORDER NO.	Mfr. No.	Description
617-32222	SS-PR2	Black

Compensator Included SR-CM2



For more information see:
www.ritchienavigation.com

RITCHIE® NAVIGATION

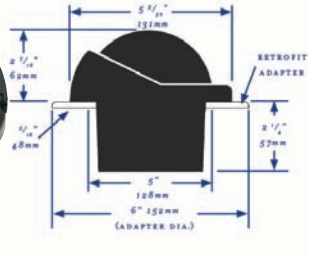
HELMSMAN™ For Power or Sailboats 25 to 35 Feet (7.64m to 10.68m), 3-3/4" (9.53cm) Dial

FLUSH MOUNT

Dial Design:	Flat Dial
Night Lighting:	12 V Green
Compensators:	Built-in
Mounting Hole:	4" (10.16cm)
Warranty:	5-Year

ORDER NO.	Mfr. No	Description
617-00742	HF-742	Black
617-07410	H-741C	Protective Cover
617-00002*	H-ABLK	Adapter Kit (Black)
617-00003*	H-AWHT	Adapter Kit (White)
617-01260	SH-0195KIT	Repl. LED Kit, 12V Green

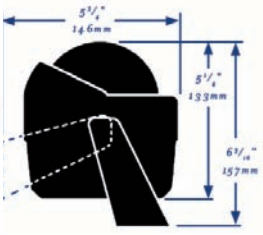
*Use to retrofit existing mounting hole sizes 4-1/4" to 5" inches in diameter



BRACKET MOUNT

Dial Design:	CombiDial
Night Lighting:	12 V Green
Compensators:	Built-in
Warranty:	5-Year

ORDER NO.	Mfr. No	Description
617-00741	HB-741	Black
617-01260	SH-0195KIT	Repl. LED Kit, 12V Green
617-07410	H-741C	Protective Cover

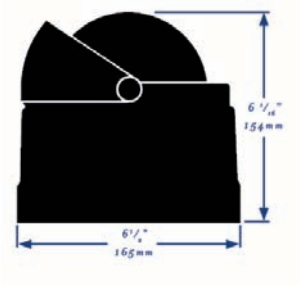


RITCHIE® NAVIGATOR™ For Sailboats 28 to 45 Feet (8.54m to 13.73m), 4-1/2" Dial

DECK/BINNACLE MOUNTS

Dial Design:	Flat Card
Night Lighting:	12 V Green
Compensators:	Built-in
Warranty:	5-Year

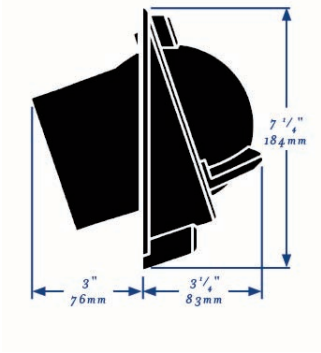
ORDER NO.	Mfr. No.	Description
617-02000	DNP-200	Brushed Stainless
617-02001	N-203-C	Protective Cover



BULKHEAD MOUNT

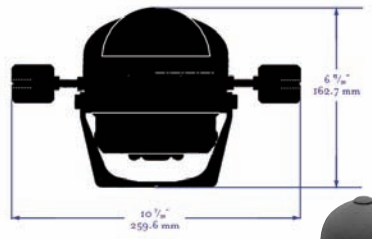
Dial Design:	CombiDial
Night Lighting:	12 V Amber
Compensators:	Built-in
Mounting Hole:	5-3/4" (14.61cm)
Warranty:	5-Year

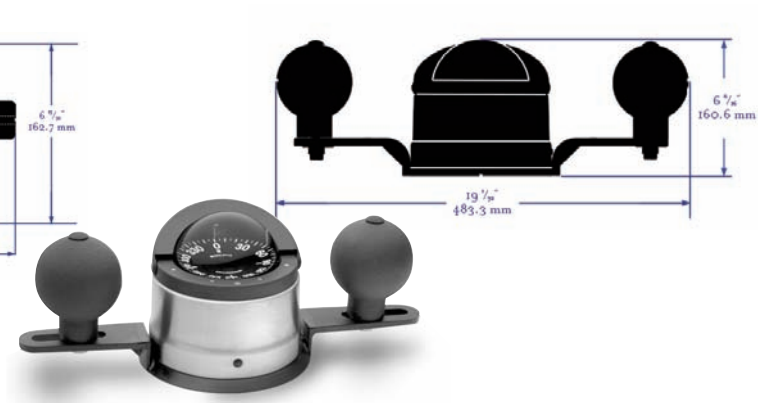
ORDER NO.	Mfr. No.	Colour
617-00202	BN-202	Black



RITCHIE® NAVIGATION

STEEL BOAT COMPASSES For Steel and Commercial Vessels Larger than 20 Feet





HELMSMAN™ BRACKET MOUNT
with Steel Boat Quadrantal Correctors

Dial Size/Design: 3-3/4" (9.53cm)/Flat Card
Night Lighting: 12 V Green
Overall Dimensions: 12" x 6-1/6" (30.48 x 15.72cm)
Base: 4-3/8" (11.11cm)
Warranty: 5-Year

ORDER NO.	Mfr. No	Description
617-00845	HB-845	Black
617-07410	H-741-C	Protective Cover
617-01260	SH-0195KIT	Repl. LED Kit, 12V Green

NAVIGATOR™ BINNACLE MOUNT
with Steel Boat Quadrantal Correctors

Dial Size/Design: 4-1/2" (11.43cm)/Flat Card
Night Lighting: 12 V Green
Overall Dimensions: 17-1/4 x 6-1/6" (43.18 x 15.72cm)
Base: 7-1/4" (18.42cm)
Warranty: 5-Year
Note: B-200P - Custom Built Item SPECIAL ORDER

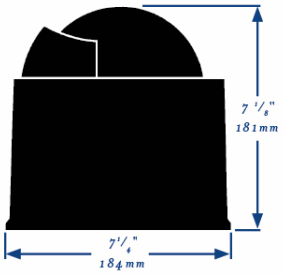
ORDER NO.	Mfr. No	Description
617-00201	B-200P	Black
617-02001	N203C	Protective Cover

GLOBEMASTER® For Power or Sailboats over 30 Feet (9.15m), 5" Dial

DECK/BINNACLE MOUNTS

Dial Design: Flat Card
Night Lighting: 12 V Green
Compensators: Built-in
Warranty: 5-Year

ORDER NO.	Mfr. No.	Description
617-00005	SP-5C	Brushed Stainless
617-10005	GM-5-C	Protective Cover



RITCHIE® NAVIGATION

For more information see:
www.ritchienavigation.com

FASTENERS & ACCESSORIES
HANDI-MAN MARINE
KEEPING REPAIRS AT BAY

COMPASS MOUNT KIT
- Stainless Steel
- Assorted Sizes / 12 pcs.

ORDER NO. 754-00458A
Mfr. No. 458A

For more information see: www.handimanmarine.com

FIXED MOUNT - CLASS D VHF MARINE RADIOS
UM385 – WHITE
UM385BK – BLACK
Two Receivers - One for DSC Receive and One for Marine Channels

Features:
- 25 Watt
- Front panel design
- IPX4/JIS4 Waterproof level
- NOAA Weather radio
- CMB Canadian Marine Broadcast "B" Channels
- USA/Canada International marine channels
- Memory channel scan
- Triple Watch current channel 16, 09
- Hi/Lo power switch
- S.A.M.E. Weather Alert - Specific Area Message Encoding
- Backlit keypad and display
- Rugged microphone
- Channel names
- DSC (Digital Selective Calling)
- DSC Positive Send and Receive
- Compatible with Uniden MRN-GPSK GPS Receiver

Dimensions:
6.25"W x 2.5"H x 5.08"D

ORDER NO. 817-00385-BK
Mfr.No. UM385BK - Black

ORDER NO. 817-00385-W
Mfr.No. UM385 - White

FIXED MOUNT - CLASS D VHF MARINE RADIOS
UM435 – WHITE
UM435BK – BLACK
Two Receivers - One for DSC Receive and One for Marine Channels

Features:
- 1 Watt/25 Watt transmit power
- Front panel design
- Shorter chassis design for more versatile installations
- Larger LCD 25mm x 51mm and dimmer
- IPX8/JIS8 Submersible
- Keys on microphone - 16/09, Ch Up/Down, Scan/Mem
- NOAA Weather radio
- CMB Canadian Marine Broadcast "B" Channels
- USA/Canada International marine channels
- Memory scan and weather scan/alert
- Triple Watch Plus™
- S.A.M.E. Emergency/Weather Alert
- Backlit keypad LCD display
- Rugged microphone
- Channel names
- DSC (Digital Selective Calling)
- DSC Positive Send and Receive
- Ultra compact rugged construction
- Compatible with Uniden MRN-GPSK GPS Receiver

Dimensions:
6.57"W x 2.95"H x 5.08"D

ORDER NO. 817-00435-BK
Mfr.No. UM435BK - Black

ORDER NO. 817-00435-W
Mfr.No. UM435 - White

Uniden

FEATURES

- **JIS8 Submersible**
Exceeds JIS7 Standards for Water Submersion (Can be submerged in up to 5 ft. of water for up to 30 minutes)
- **Waterproof**
Meets JIS4 Standards for Water Resistance
- **Dual Watch & Triple Watch**
Check for activity on Channels 16 (Dual) & 9 (Triple) while Monitoring a Marine Channel
- **Weather Alert Watch**
Checks for Alerts on a NOAA Weather Channel while Monitoring a Marine Channel
- **One-Touch Emergency Channels**
Access Channel 16 at the Touch of a Button; Press twice for Channel 9
- **Automatic Distress Call**
A Single Button transmits a DSC Distress Call including your Current Position

VHF RADIOS - HANDHELD

All Models Feature:

- All US, Canadian & International Marine Channels
- One-Touch Emergency Channels
- Dual Watch & Triple Watch
- Memory Channel Scan

MHS75

Features:

- Rugged die-cast chassis
- Large easy-to-read backlit display
- Submersible JIS8/IPX8
- NOAA Weather Alert
- Up to 11 hours battery life
- 1W, 2.5W, or 5W transmit power

Includes:

- High Capacity Li-Ion battery
- Clip-on DC charger
- Swivel belt clip
- Lanyard
- Antenna

ORDER NO. 817-00075
Mfr.No. MHS75

MHS338BT

Floating Handheld Two-Way VHF Class D Marine Radio w/Built-in GPS & DSC

Features:

- Waypoint navigation
- Auto Plot to distress call
- Water activated strobe/flashlight
- Noise cancelling for both received and transmitted audio
- 1/2 5/6 Watt TX and NOAA Weather Alert with S.A.M.E.
- AC/DC Chargers, charge cradle, belt clip, accessory battery tray

ORDER NO. 817-00338-BT
Mfr.No. MHS338BT

NEW!

HANDHELD TWO-WAY VHF MARINE RADIO

New Design

- Largest display in class 30mmH x 40mmW
- Paper white backlight for day time, red backlight for night time
- Speaker / Microphone jack
- Floating / Submersible IPX8 / JIS8
- Noise cancelling microphone
- Speaker vibrating tone (clears water from speaker cavity)
- Emergency strobe
- 1200mAh intergrated LiON battery
- 10 hours battery life, 1200 mAh
- 1/2.5/6 watt transmit
- Includes AC & DC adapters, charging cradle, belt clip, hand strap, & manual
- Size: 2.4" W x 5.2"H x 1.4"D

ORDER NO. 817-00275
Mfr. No. ATLANTIS 275

HANDHELD TWO-WAY VHF MARINE RADIO

- Largest display in class 25mmH x 40mmW
- Paper white backlight for day time, red backlight for night time
- Glow-in-the-dark gasket seals
- Increased transmit power (from 2.5W to 3.0W)
- Floating / Submersible IPX8 / JIS8
- Speaker vibrating tone (clears water from speaker cavity)
- NiMH battery
- 10 hours battery life
- NOAA Weather alert
- Includes DC charger
- Size: 2.4" W x 5.2"H x 1.4"D

ORDER NO. 817-00155
Mfr. No. ATLANTIS 155

HANDHELD TWO-WAY VHF MARINE RADIO

- Floating / IPX8 Submersible
- 6 Watts transmit power
- Smart intuitive features & menus
- Automatic backlight switch
- Marine radio channels
- 1850 Li-on battery
- NOAA Weather Channels
- Water activated emergency strobe light
- Smart soft-key operations & menus
- Flashlight
- FM radio band receiver
- Speaker microphone jack

ORDER NO. 817-00130
Mfr. No. MHS130

Automatic Backlight Switching
White for Daylight
Amber for Nighttime

VHF SPEAKER MICROPHONE

- For models Atlantis295, MHS126, & MHS235

ORDER NO. 817-0147001
Mfr. No. BZAG0147001

NEW!

VHF MARINE ANTENNAS

Recommended for Boats 22+ ft. (7+ m) Medium to Long Range Communication 10+ miles (16+km)

5101
8' VHF 6dB Gain
End-Fed with Matching Stub

Classic

A new standard of excellence in an economical antenna! Shakespeare brings you the best of the high-end features in an 8ft antenna with a brass element and a smooth, high gloss, polyurethane finish that won't turn yellow in the sun. This antenna delivers not only performance, but superb value.

- Brass and copper elements
- Chrome-plated brass ferrule with standard 1"-14 thread
- Includes 15' RG-58 cable, which can be cut to size, and a PL-259 connector
- Suggested mount: Style 4187 or 5187 Ratchet Mount
- Smooth, durable, high gloss finish
- One section

ORDER NO. 276-51010
Mfr. No. 5101

5206-N
8' VHF 6dB Gain
End-Fed with Matching Stub

Classic

The classic 5206-C is an economical alternative to our high-end series antennas while maintaining the durability, reliability and quality boaters trust. This 8' VHF antenna is lightweight, self-supporting and utilizes copper cable elements to deliver quality communications where range is not the predominant factor.

- Not for T-tops
- Quality copper cable elements
- Nylon ferrule with standard 1"-14 thread
- Includes 15' RG-58 cable and a PL-259 connector
- Suggested Mount: 4187 or 5187 Ratchet Mounts
- Twin to: Styles 5205 and 5207 CB antennas

ORDER NO.	Model
276-52060	5206-N

Classic

5102
8' VHF Marine Band 6dB
Collinear Phased 5/8-Wave

Classic 5102 VHF antenna combines the most desired high-end features with exceptional craftsmanship to provide quality & value-packed performance. Brass and copper elements provide strength and durability inside a high gloss finished radome that will remain pristine white for years to come.

- Larger brass and copper elements
- Chrome-plated brass ferrule with standard 1"-14 thread
- Includes 15' RG-58 cable and a PL-259 connector.
- Suggested mount: Style 4187 or 5187 Ratchet Mount

ORDER NO. 276-51020
Mfr. No 5102

Recommended for Boats 14-22 ft. (4-7m) Short Range Communication 3-7 miles (5-11km)

5911 *(Short Range)*
THE STOWAWAY™
10' VHF Unity Gain

Classic

Emergency VHF Flex Antenna, Loaded 1/4 Wave Whip

Comes packed in a 12" weather-resistant, plastic tube which can "stow away" in an easy-to-reach location for instant emergency capability if your main antenna becomes broken or disabled. Complete with 12' cable, connector, and rubber suction cup for fast, easy mounting to any smooth horizontal surface.

- Flexible vinyl outer covering.
- 10" overall length.
- Velcro strips for storage included.

ORDER NO. 276-59110
Mfr. No. 5911
Max Power Input: *25 Watts*
Bandwidth: *N/A*
Frequency: *VHF Marine Band*
DC Grounding*: *Yes*

ELECTRICAL DATA CHART FOR VHF ANTENNAS

Mfr. Style No.	Length	Antenna Gain	Max Input Wattage	SWR Nominally	Bandwidth within 2.0:1 SWR	Frequency	DC Ground
5101	8 FT.	6dB	50 w	1.5:1@156.8 MHz	5MHz	VHF Marine Band	*Yes / No
5102	8 FT.	6dB	50 w	1.5:1@156.8 MHz	5MHz	VHF Marine Band	*Yes / No
5206-N	8 FT.	6dB	50 w	1.5:1@156.8 MHz	3MHz	VHF Marine Band	No
5911	10 FT.	Unity	25 w	*	n/a	VHF Marine Band	*Yes / No

*Adequate across marine band. Precise SWR depends upon antenna location on boat.

Note: All Shakespeare Marine Antennas are vertically polarized. When indicated, PL-259 connector is included but not attached to VHF antenna for ease of installation. *Antennas with "Yes" will read short circuit when tested with ohm meter.

Mounting Information
8' Antennas are self supporting and maybe installed using a ratchet mount in nylon, chrome or stainless steel. If used with an extention, use a swivel mount with a standoff bracket

For more information see: www.shakespeare-marine.com

SHAKESPEARE

Recommended for boats 22+ ft. (7+ m) Medium to Long Range Communication 10+ miles (16+km)

5230 GALAXY®

14' VHF 8dB Gain

5/8 Wave Over 1/2 Wave Dipole

The ultra-performer, Shakespeare's Style 5230 is the most effective 8dB antenna system available anywhere, thanks to its increased signal capture area.

- Brass and copper elements for maximum range & efficiency
- Stainless steel ferrule with standard 1"-14 thread
- Includes 20' RG-8/X low-loss cable plus a PL-259 connector
- Suggested mount:
  Shakespeare Style 410-R Mounting Kit
  ORDER NO. 276-04101
- Two sections: Base 94", Tip 74" - UPS shippable

Max Power Input: *200 watts*
SWR: *Nominally 1.5:1 at 156.8 MHz*
Bandwidth: *3 MHz within 2.0:1 VSWR*
Frequency: *VHF Marine Band*
DC Grounding*: *Yes*

ORDER NO. 276-52300 Mfr. No. 5230

5399 GALAXY®

9'6" VHF 6dB Gain

Collinear-Phased 5/8 Wave with Two Coaxial Chokes to Suppress Cable Radiation

This professional quality antenna is a performance powerhouse. It's extra strong - sturdy enough to be self-supporting, even in high winds and high speeds.

- Brass and copper elements for maximum range & efficiency
- Stainless steel ferrule with standard 1"-14 thread
- 20' RG-8/X low-loss cable plus a PL-259 connector
- Suggested mount:
  Use only Shakespeare's extra heavy-duty Style 4187-HD Rachet Mount ORDER NO. 276-41871
  for self-supporting applications,
  or use Style 410-R Mounting Kit ORDER NO. 276-04101
- Two sections: Base 75", Tip 39" - UPS shippable

Max Power Input: *100 watts*
SWR: *Nominally 1.5:1 at 156.8 MHz*
Bandwidth: *3 MHz within 2.0:1 VSWR*
Frequency: *VHF Marine Band*
DC Grounding*: *Yes*

ORDER NO. 276-53990 Mfr. No. 5399

GALAXY® SERIES ANTENNAS

ALL GALAXY ANTENNAS CARRY 5-YEAR WARRANTY

5225-XT EXTRA-TOUGH GALAXY®

8' VHF 6dB Gain

Collinear-Phased 5/8 Wave Elements

Shakespeare's flagship – maximizes range and quality in a great looking antenna. The new 5225-XT is Shakespeare's classic Style 5225 in a new, stronger, stiffer radome. It's extra tough for use on hard tops, T-tops, radar arches, or wherever its extra resistance to high winds and high speeds is welcome.

- Brass and copper elements for maximum range and efficiency
- Stainless steel ferrule with standard 1" - 14 thread
- 20' RG-8/X low-loss cable plus a PL-259 connector
- Suggested mount:
  Shakespeare 4187 ORDER NO. 276-41870
  or 5187 ORDER NO. 276-51870
- One section

Max Power Input: *100 watts*
SWR: *nominally 1.5:1 at 156.8 MHz*
Bandwidth: *3 MHz within 2.0:1 VSWR*
Frequency: *VHF Marine Band*
DC Grounding*: *Yes*

ORDER NO. 276-52250 Mfr. No. 5225- XT

276-52250

5226-XT - EXTRA TOUGH

8' VHF 6dB Gain

- Collinear-phased 5/8 wave elements, black-finish
- Same as the 5225-XT, but with the exclusive Galaxy® gloss black finish

ORDER NO. 276-52260 Mfr. No. 5226-XT

276-52260

Recommended for Boats 14-22 ft. (4-7 m) Short Range Communication 3-7 miles (5-11km)

5400-XT LITTLE GIANT™ GALAXY®

4' VHF 3dB Gain

Center-Fed 1/2 Wave Coaxial Sleeve

An outstanding, 4' antenna of heavy-duty construction for general purpose communications. It's at home on T-tops, Hard-tops and other positions aloft, where its small size can deliver maximum range.

- Brass and copper elements for maximum range and efficiency
- Stainless steel ferrule with standard 1" - 14 thread
- Includes RG-8/X low-loss cable plus a PL-259 connector
- Suggested mount:
  Shakespeare 4187 ORDER NO. 276-41870
  or 5187 ORDER NO. 276-51870

Max. Power Input: *50 watts*
SWR: *Less than 1.5:1 at 156.8 MHz*
Bandwidth: *5 MHz within 2.0:1 VSWR*
Frequency: *VHF Marine Band*
DC Grounding: *No*

ORDER NO. 276-54000
Mfr.No. 5400-XT

***DC Grounding:** "Yes" means the antenna will test as "Shorted" when checked with an OHM Meter.*
All Shakespeare Marine VHF Antennas are 50 OHMS Impedance and Vertically Polarized

For more information see: www.shakespeare-marine.com

SHAKESPEARE

Recommended for Boats 14-22 ft. (4-7m) Short Range Communication 3-7 miles (5-11km)

5912 7" *(Short Range)* Classic

7" VHF Unity Gain Flexible Antenna

Designed especially for small boat applications needing only short range communications. The style 5912 is a small, space-saving antenna that attaches and detaches with ease, once the included Flush Mounting Kit has been installed. The connectors are gold plated for low-loss performance. It's compact, light weight, and easily stored.

- Black finish
- Space-saving design
- Quick, easy setup
- Gold-plated Flush Mounting Kit Included

ORDER NO. 276-59120
Mfr. No. 5912

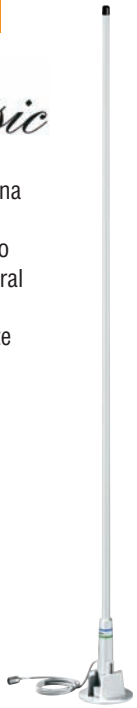
420 Classic

5' VHF 3dB Gain
Center-Fed 1/2-Wave
Coaxial Sleeve

Shakespeare's most economical 5' antenna package. The 420 is a great, basic 3dB antenna for day-to-day cruising in calm to moderate seas. The antenna has an integral polycarbonate Lift-n-Lay mount for deck mounting, and comes with a leveling plate and installation hardware.

- Brass and copper elements
- Includes 15' RG-58 cable and a PL-259 connector
- Integral deck mount
- One section

ORDER NO. 276-04200
Mfr. No. 420

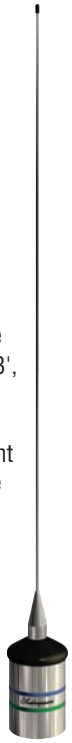


5241-R Classic
VHF MARINE ANTENNA

36" VHF 3dB Gain
Low Profile End-Fed 1/2 Wave Antenna

Perfect for bass boats, center console fishing boats, or any vessel where a standard fiberglass antenna may be too obtrusive or impossible to install. Measuring in at 3', the sealed, tin-plated copper wire coil delivers quality performance while the heavy-duty stainless steel whip maintains extra stability at high speeds. A ratchet mount or rail mount with a center hole is required for passage of the supplied 15' coax cable which exits from the center of the ferrule.
Recommended mounts are
#276-41870, #276-51870, or #276-41900.

- 3dB performance
- 36" stainless steel whip
- 1" - 14 thread chrome-plated brass ferrule



ORDER NO. 276-52410 Mfr. No. 5241-R

5242-A Classic
WITH QUICK DISCONNECT WHIP

36" VHF 3dB Gain
Low Profile End-Fed 1/2- Wave with Standard Duty Whip

This legacy style is coming back due to popularity. Convenient press and twist bayonet fitting makes attaching or removing its stainless whip quick and easy. The bayonet has been re-designed and improved for extra convenience

- Stainless steel whip (36")
- Whip is user replaceable
- SO-239 connector
- L-shaped bracket included for mounting to a vertical surface
- One section
- Note: Cable or connector (not included)

ORDER NO. 276-52420 Mfr. No. 5242-A

ELECTRICAL DATA CHART FOR VHF ANTENNAS

Mfr. Style No.	Length	Antenna Gain	Max Input Wattage	SWR Nominally	Bandwidth within 2.0:1 VSWR	Frequency	DC Ground
5912	7 FT.	Unity	25 w	*	n/a	VHF Marine Band	No
5241-R	3 FT.	3dB	50 w	1.5:1@156.8 MHz	7MHz	VHF Marine Band	No
5242-A	3 FT.	3dB	50 w	1.5:1@156.8 MHz	7MHz	VHF Marine Band	No
420	5 FT.	3dB	50 w	1.5:1@156.8 MHz	5MHz	VHF Marine Band	No

*Adequate across marine band. Precise SWR depends upon antenna location on boat.

Sailboat VHF Antennas

Shakespeare's sailboat antennas are specifically designed for elegance and easy masthead mounting. Attractive, convenient and sailboat friendly, these quality antennas will provide reliable radio communication on your sailboat.

5216 *(Short Range)*
15" VHF Unity Gain
END-FED, CENTER LOADED

Classic

This extra lightweight, small size, black VHF Marine antenna is specially built for sailboat racers. Its 15" center-loaded design delivers Unity Gain, and it comes with a black "L" bracket for mounting atop your mast. It's connector is gold-plated.

- Black stainless steel whip
- Black magnetic mount included

ORDER NO. 276-52160
Mfr. No. 5216

5250
SKINNY MINI™
36" VHF 3dB Gain
Low Profile End-Fed 1/2-Wave

Classic

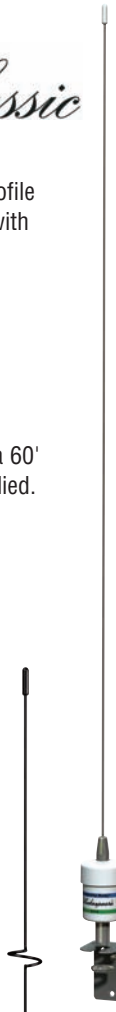
This compact, lightweight antenna is ideal for vessels where space is limited such as bass boats and center console fishing vessels. It's chrome plated brass canister minimizes the de-tuning associated with antennas having plastic canisters.

- 36" Stainless steel whip
- Sealed, tin-plated copper wire coil
- Requires mount with center hole for passage of the supplied 15' RG-58 cable
- Cable and PL-259 connector included
- Suggested mount:
  Order #276-41870, #276-51870, #276-41900 Ratchet Mounts
- One section

ORDER NO. 276-52500 Mfr. No. 5250

5215 & 5215-C-X
SQUATTY BODY®
VHF SAILBOAT ANTENNA

Classic



36" VHF 3dB Gain

End-fed 1/2 wave stainless steel antenna. This low profile stainless steel design has already become a favorite with sailboat owners.
A stainless steel "L" bracket supplied is recommended mounting.

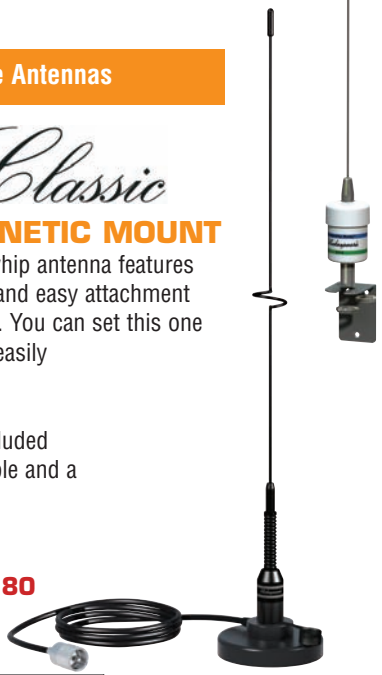
- Hermetically-sealed, tin-plated copper wire coil.
- Stainless steel whip.
- 36'' overall length.
- Mount: Stainless steel "L" bracket supplied
- Model # 5215-C-X same as Model # 5215 but with a 60' RG-8/X low loss cable and PL-259 connectors supplied.

ORDER NO.	Mfr. No.
276-52150	5215
276-52151	5215-C-X

VHF Stowable Antennas

5218
19" VHF Unity Gain
BASE-LOAD MAGNETIC MOUNT

Classic



This small, stainless steel whip antenna features a magnetic mount, for fast and easy attachment to magnet-friendly surfaces. You can set this one up in a hurry and detach it easily

- Black stainless steel whip
- Black magnetic mount included
- Includes 15' of RG-58 Cable and a PL-259 Connector
- One section

ORDER NO. 276-52180
Mfr. No. 5218

ELECTRICAL DATA CHART FOR VHF ANTENNAS

Mfr. Style No.	Length	Antenna Gain	Max Input Wattage	SWR Nominally	Bandwidth within 2.0:1 SWR	Frequency	DC Ground
5215	3 FT.	3dB	50 w	1.5:1@156.8 MHz	7MHz	VHF Marine Band	No
5215-C-X	3 FT.	3dB	50 w	1.5:1@156.8 MHz	7MHz	VHF Marine Band	No
5216	15"	Unity	25 w	1.5:1@156.8 MHz	5MHz	VHF Marine Band	No
5218	19"	Unity	25 w	1.5:1@156.8 MHz	7MHz	VHF Marine Band	No
5250	3 FT.	3dB	50 w	1.5:1@156.8 MHz	7MHz	VHF Marine Band	No

SHAKESPEARE

Recommended for Boats 22+ ft. (7+ m) Medium to Long Range Communication 10+ miles (16+ km) Antenna

To make it easy and convenient to install/replace your antenna, we designed our QuickConnect™ antenna system with cable attached to the mount instead of the antenna itself. Simply screw on/off the antenna, and enjoy this hassle-free and cost-effective alternative to the traditional antenna installation. The QuickConnect™ products have a 2 year warranty and have the same mounting hole pattern as our standard antenna mounts. Note: When selecting a QuickConnect™ antenna, you must pair it with a QuickConnect™ mount.

FEATURES:
- QuickConnect™
- High quality connection
- Hanging dust protection cap
- Water protection cap
- Centerpin PL-259-CP-G Connector
- Standard mount design

BENEFITS:
- Unscrew or screw antenna to disconnect or connect
- No noise generated due to vibrations
- Protect the connector on the mount when antenna is disconnected
- Cap stays fastened to mount to prevent it from getting lost
- Easy solderless centerpin connector
- Upgrade to a high-end Shakespeare antenna without purchasing a new mount

QC-8
QUICKCONNECT™ ANTENNA INSTALLATION SYSTEM

VHF Marine Band 3dB QuickConnect™ stemming from the popularity of the quick connecting feature on Shakespeare's high-end Phase III® marine antennas.

Mounts: To be used with QuickConnect mounts only

Max. Power Input: *50 Watts*
SWR: *Nominally 1.5:1 at 156.8 MHz*
Bandwidth: *5 MHz within 2.0:1 VSWR*
Frequency: *VHF Marine Band*

ORDER NO. 276-08000 8 Ft. (2.43m)
Mfr. No. QC-8

ORDER NO. 276-04000 4 Ft. (1.21m)
Mfr. No. QC-4

ORDER NO. 276-03000 3 Ft. (0.9m)
Mfr. No. QC-3

276-08000

QuickConnect™ Rail Mounts

Fast-release handle design for quick and easy laydown. For rail mounting of QuickConnect antennas on 1" (25.4mm) to 1½" (38.1mm) vertical, horizontal or angled rails.

QuickConnect: Easy removal of an antenna without the hassle of re-installing cables
Thread: 1" -14
Bolt Holes: 9/32" dia. (7.14mm), 3" x ½" (76.2mm x 12.7mm) on center
Water & dust protection cap: Stays fastened to mount to prevent it from getting lost
Included Centerpin® PL-259 Connector:
20ft (6.09m) of RG-58 coax cable supplied
Note: Mounting hardware not included
Note: To be used with QuickConnect antennas only.

QCM-SR QUICKCONNECT™ STAINLESS STEEL RATCHET RAIL MOUNT

Handles antennas up to 8' (1.2m)
4-Way Ratchet action
ORDER NO. 276-00003
Mfr. No. QCM-SR

QuickConnect™ Mounts

Fast-release handle design for quick and easy laydown. For deck or side mounting of QuickConnect antennas.

QuickConnect: Easy removal of an antenna without the hassle of re-installing cables
Thread: 1" -14
Bolt Holes: 9/32" dia. (7.14mm), 3" x ½" (76.2mm x 12.7mm) on center
Water & dust protection cap: Stays fastened to mount to prevent it from getting lost
Included Centerpin® PL-259 Connector:
20ft (6.09m) of RG-58 coax cable supplied
Note: Mounting hardware not included
Note: To be used with QuickConnect antennas only.

QCM-S QUICKCONNECT™ STAINLESS STEEL RATCHET MOUNT

Handles antennas up to 8' (2.4m)
4-Way Ratchet action
ORDER NO. 276-00001
Mfr. No. QCM-S

QCM-N QUICKCONNECT™ NYLON RATCHET MOUNT

Handles antennas up to 4' (1.2m)
4-Way Ratchet action
ORDER NO. 276-00002
Mfr. No. QCM-N

SHAKESPEARE

AIS VHS ANTENNA

Automatic identification systems (AIS) are used to automatically identify and track ships and other watercraft by electronically exchanging data with other ships, AIS base stations and satellites. This technology is used for collision avoidance, fishing fleet monitoring and conntrol, vessel traffic services, maritime security, search and rescue

GALAXY®

5396-AIS
LITTLE GIANT™

4 Ft. Broadband VHF 3db Center-fed 1/2-Wave Coaxial Sleeve

Specially designed to meet the broader bandwidth requirements of all popular AIS transceivers. Shakespeare's Galaxy® Style 5396-AIS antenna features commercial-grade fiberglass construction to ensure performance and durability.

- Brass and copper elements
- Galaxy® high-gloss, non yellowing, polyurethane white finish
- Stainless steel ferrule with 1" - 14 thread
- 20 ft. RG-8/X Low-Loss cable and a PL-259 connector included
- Designed for Automatic Information System applications
- One section
- Suggested Mount:
  ORDER NO. 276-41870
  or ORDER NO. 276-51870

Max. Power Input: *50 Watts*
SWR: *Less than 1.5:1 at 156.8 MHz*
Bandwidth: *5 MHz within 2.0:1 VSWR*
Frequency: *Broadband VHF/AIS*

Mfr. No. 5396-AIS
ORDER NO. 276-53960

PHASE III

6396-AIS
4 FT. VHF AIS ANTENNA
3dB Gain

Collinear-Phased 5/8-Wave Elements

Specially engineered for the extra band-width required by AIS transceivers.

- Silver-plated outer conductor, copper inner conductor
- Stainless steel mounting sleeve
- Type "N" connector inside mounting sleeve for easy mounting and dismounting for stowage
- Suggested Mount: ORDER NO. 276-41871

Max. Power Input: *50 Watts*
SWR: *Less than 1.5:1 at 162 MHz*
Bandwidth: *5 MHz within 2.0:1 VSWR*
Frequency: *VHF AIS Marine Band*
DC Grounding: *Yes*

Mfr. No. 6396-AIS-R
ORDER NO. 276-63960

PHASE III

VHF ANTENNA

8 FT. VHF ANTENNA
6dB Gain

Collinear-Phased 5/8-Wave Elements

Built for performance and durability, this flagship Phase III antenna won't mind high speeds and high winds. its great looks will be welcome on your boat, and so will its reliability.

- Silver-plated outer conductor, copper inner conductor
- Stainless steel mounting sleeve
- Type "N" connector inside mounting sleeve for easy mounting and dismounting for stowage

Suggested Mount: ORDER NO. 276-41871

Max. Power Input: *150 Watts*
SWR: *Less than 1.5:1 at 156.8 MHz*
Bandwidth: *3 MHz within 2.0:1 VSWR*
Frequency: *VHF Marine Band*
DC Grounding: *Yes*

Mfr. No. 6225-R
ORDER NO. 276-62250

SHAKESPEARE

For more information see:
www.shakespeare-marine.com

SHAKESPEARE

Centennial®

5120 CENTENNIAL®

8' Length, AM/FM Antenna
Includes Cable and Connector

Continuing the tradition, Shakespeare's Centennial® 5120 AM/FM antenna puts high-end features where high-end does the most good. When you're far from your favourite stations, this antenna helps bring them in loud and clear, without depleting your net worth.

- Chrome-plated brass ferrule with standard 1"-14 thread.
- Includes 15' RG-62 cable and Motorola connector.
- Suggested Mount: ORDER NO. 276-41870 or ORDER NO. 276-51870 Ratchet Mounts
- One section.

Mfr. No. 5120
ORDER NO. 276-51200

GALAXY®
SERIES ANTENNAS

5420-XT LITTLE GIANT™ 4' AM/FM ENTERTAINMENT BAND

Bring in those stations! This Little Giant is in charge of the entertainment. Its sturdy construction and outstanding performance make it an excellent choice for T-tops, Hard-tops and other elevated mounting positions. Extra ridgid, extra tough.

- Copper elements.
- Stainless steel ferrule w/standard 1"-14 thread
- Includes 12' RG-62 cable with Motorola type plug installed.
- Suggested Mount: ORDER NO. 276-41870 or 276-51870
- Frequency: AM/FM & FM-Stereo
- One section

Mfr.No. 5420-XT
ORDER NO. 276-54200

276-43530

Classic

4353 ON-GLASS AM/FM ANTENNA

This innovative design lets you put an AM/FM antenna on your boat where it won't get in the way. The Style 4353 On-Glass Antenna is a 24' clear tape with embedded antenna elements. Its permanent adhesive strip lets you attach it quickly and easily onto your boat's windshield or any smooth, non-metallic surface. It comes with 6' cable and attached "Motorola type" plug. Excellent for bass boats, ski boats, or any vessel where a traditional whip antenna would get in the way.

ORDER NO. 276-43530 Mfr.No. 4353

PHASE III

6235 8 FT. AM/FM ANTENNA

AM/FM Entertainment band antenna takes AM/FM reception to new heights.

- High-gloss, high-performance, non-yellowing polyurethane finish
- Stainless steel mounting sleeve
- Type "N" connector inside mounting sleeve for easy mounting and dismounting for stowage
- Includes 20 RG-62 cable with Motorola type plug installed
- Suggested Mount: ORDER NO. 276-41871

Mfr. No. 6235-R
ORDER NO. 276-62350

Classic

276-43571

4357-S AM/FM/VHF MARINE BAND SEPARATOR

Eliminate the need for separate AM/FM antennas and operate AM/FM and VHF radios at the same time without interfering with VHF radio performance. Complete with 10-foot RG-62 AM/FM cable, 3-foot RG-58 VHF cable, and connectors.

- Includes 10ft RG-62 coax with Motorola plug installed
- Also includes 3ft RG-58 cable for VHF transceiver connection
- PL-259 included, not installed for easy passage of cable through bulkheads.

ORDER NO. 276-43571 Mfr.No. 4357-S

For more information see: www.shakespeare-marine.com

SHAKESPEARE

SeaWatch®

DIGITAL HDTV READY!

SEAWATCH® MARINE TV ANTENNA

12VDC - 110VAC

The Shakespeare SeaWatch® series of TV antennas are omni-directional over-the-air digital HDTV solutions that bring sleek lines and 360 degrees high-performance coverage to your watercraft. Designed to accept common 1 inch-14 threaded mounts, the antennas are well suited to fit virtually any application.

Everything needed to connect the antenna to your converter or television is in the box. When paired with an optional 2-way band separator between the antenna and the amplifier, these antennas can also receive AM/FM radio signals. A full line of mounts and extension masts are available to fine-tune the installation.

These antennas are designed for the mobile lifestyle and can be used on marine vessels, RVs, pop-up campers and more! Watch your favorite sports, sitcoms, reality TV, crime dramas, local news, weather, kids programming and more for FREE and in 1080 HDTV!

ORDER NO.	276-30150	276-30190
Specification	**3015**	**3019**
Frequency Range:	VHF: 47-230MHz UHF: 470-862MHz	VHF: 47-230MHz UHF: 470-862MHz
Receiving Range:	FM/VHF/UHF	FM/VHF/UHF
Gain	30 dB	30 dB
Reception Pattern	Omni-directional	Omni-directional
Noise Figures:	3dB	3dB
Max. Output Lever:	110dBuV	110dBuV
Impedance:	75 ohms	75 ohms
Connectors:	"F" Type	"F" Type
Power Supply	DC 12v / AC 110v	DC 12v / AC 110v
Dimensions	15" dia.x 3"H	19" dia. x 3"H
Best suited for areas up to from Broadcast Towers	40 miles	75 miles

FEATURES:
- Low noise amplifier
- Omni-directional
- Recieves ALL local HD broadcast signals
- AC, DC and USB power adapter

Kit Includes:
- Panel TV Antenna
- 20' RG-59 Coax Cable/F-Connectors
- USB/AC/DC Power Cords

It's HD Ready...of course.

Simply connect the antenna to any TV that has a digital receiver. With older analog TVs connect a digital converter box (not supplied).

The style 3020's wall-mounted 12-volt DC power supply has outputs on both front and rear. For cable, satellite, and playback devices, its Auxiliary Input automatically switches from Antenna Input to Auxiliary Input when powered off.

To achieve a streamlined appearance, the coax running to the antenna head can be concealed by running it through the mounting base.

Cable and satellite support requires appropriate hardware and programming from the service provider.

SHAKESPEARE

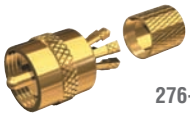
For more information see:
www.shakespeare-marine.com

SHAKESPEARE

VHF ACCESSORIES

Shakespeare Revolutionizes The PL-259/PL-258 Centerpin®

276-00258-1



276-00259-1

The perfect solution to the troublesome task of installing a PL-259 connector or splicing RG-58 A/U or RG-8/X coax. Shakespeare's revolutionary new Centerpin® connectors are solderless, fret-less, and botchless. They go on without a hitch, without soldering skills. No measuring, no critical stripping of coax insulation, no fussing with the coax's braid, and no "tinning". New connectors are gold-plated brass to better withstand the elments and to minimize traditional connector-borne signal loss.

Centerpin® PL-258-CP-G: The easy way to splice coax! The new Centerpin® PL-258-CP-G connector puts Centerpin® convenience to work on the double-trouble task of splicing RG-58 A/U and RG-8X.

ORDER NO. 276-00258-1

Mfr. No. PL 258-CP-G

Centerpin® PL-259-CP-G: For RG-58 A/U and RG-8X coax. Installing a PL-259-G connector hasn't been simple. Now it is.

ORDER NO. 276-00259-1

Mfr. No. PL 259-CP-G

SHAKESPEARE STYLE ART-3 TESTER

No need to call for a radio check when you have this compact, easy to use, unit on-board. Unlike other meters in its class, the ART-3 tests receiver function as well as output power and VSWR (antenna efficiency). It is powered by an internal battery or can be connected to ships 12 VDC with the supplied power cable. Battery level can be checked at the flip of a switch. **No serious boater should be without an ART-3**

Mfr. No ART-3 **ORDER NO. 276-00030**

Specifications:

- **Frequency Range: 155-158 MHz**
- **RF Power Scale: 0 to 30 watts**
- **Impedance: 50 ohms**
- **Accuracy: ±10%**
- **Connectors: SO-239**
- **Signal Generator: 3 KHz Deviation**
- **Tone: 1000 Hz**
- **RF Level: -15 dBM (approx.)**
- **Die-cast aluminum construction**
- **Two PL-259 connectors on each end, already installed**

AS-2 AUTOMATIC SWITCH

This innovative switch toggles two radios to one antenna. It mounts out of the way, because you don't have to get at it to use it. When you key the microphone on one of the radios, the AS-2 switches the antenna to it - Automatically. The radio stays locked onto the antenna until the automatic switch detects a transmit signal from the other radio. Easy!

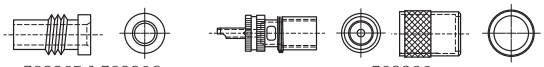
Mfr. No. AS-2 **ORDER NO. 276-00022**

Frequency Range. Up to 600 MHz
VSR: Below 1.2:1
Power Rating: 30W
Impedance: 50 ohms
Insertion Loss: Less than 1.2dB
Isolation: Better than 150dB
Connections: SO-239 type
Power Supply: 12 vDC @ 200 ma
Sensing/Switching Time: Less than 100ms
Construction: Cast aluminum case

For more information see: www.shakespeare-marine.com

MALE UHF CONNECTOR & REDUCERS FOR 8U CABLE - Nickel Plated Brass

SEA-DOG LINE
QUALITY MARINE GEAR

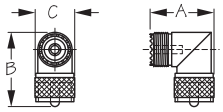


ORDER NO.	Mfr. No.	Description
423-29900	329900-1	Male UHF Connector; PL-259 - For U/C Cable, Adapter Type
423-29902	329902-1	Combination of 329900-1 & 329906 - For RG-59/U Cable
423-29906	329906-1	Reducer - UG176U for RG-59/U Cable - Use with 329900

UHF RIGHT ANGLE CABLE CONNECTOR - Nickel Plated Brass

ORDER NO.	Mfr. No.	A	B	C
423-29955	329955-1	1-1/8"	1-5/16"	11/16"

90˚ elbow turns connecting wire at the back of set allowing radio to sit closer to a back wall or bulkhead.



For more information see: www.sea-dog.com

ANCOR

COAX CABLE FITTINGS

UHF CONNECTORS

Twist on UHF Male Plug (PL259)

ORDER NO.	Mfr. No.	Wire Size
422-02175 ea	202175	RG58

SOLDER ON UHF MALE PLUG (PL259)

ORDER NO.	Mfr. No.	Wire Size
422-00259 ea	200259	RG8U

For more information see: www.ancorproducts.com

SHAKESPEARE

4700 SERIES S/S EXTENSION MAST

Heavy Duty stainless steel extension masts with standard 1"-14 thread male and female fittings. Available in three lengths: 6", 12", & 24"

ORDER NO.	Mfr. No.	Length
276-47000	4700	6"
276-47001	4700-1	12"
276-47002	4700-2	24"

5" HORN SPEAKER

NEW!

- Durable weather resistant white plastic construction
- 4 ohms
- 15 watts (RMS) input.
- Frequency Response: 500-5500 Hz
- Stainless steel hardware
- Adjustable plastic mounting bracket
- 10' Cable heavy #20-gauge parallel type
- Powerful sound with talkback functionality

ORDER NO. 276-00050-1
Mfr. No. HS-5A

EXTERNAL SPEAKERS

MODEL # ES-2
A 2.25-inch external speaker with Mylar® cone in a compact white housing to withstand the rigors of the marine environment. The ES-2 is a 4-ohm speaker for input power up to 5 watts (RMS). Comes with a ratchet-action mounting bracket, hardware mounting kit and six feet of cable with "mini phone" plug installed.
ORDER NO. 276-00020
Mfr. No. ES-2

MODEL # ES-4
A four-inch, 4 ohm, deluxe speaker with Mylar® cone and white plastic cabinet for protection against moisture. Maximum input power is 8 watts (RMS). Comes with a swivel mounting bracket, hardware mounting kit and six feet of cable with "mini phone" plug installed.
ORDER NO. 276-00040
Mfr. No. ES-4

For more information see: www.shakespeare-marine.com

ANTENNA BASE MOUNT KIT

- Stainless Steel
- 1/4-20 x 1-1/2" /4 pcs.

ORDER NO. 754-00461
Mfr. 461

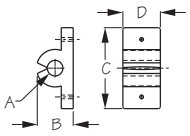
FASTENERS & ACCESSORIES
HANDI-MAN MARINE
KEEPING REPAIRS AT BAY

For more information see: www.handimanmarine.com

SEA-DOG LINE
QUALITY MARINE GEAR

ANTENNA CLIP Injection molded rubber

Securely holds down Antenna when not in use.
Also can be used for fishing rods and boat hooks.



ORDER NO.	Mfr. No.	Antenna Dia. A	B	C	D	Fastener	
423-29770 (Pair)	329770-1	5/16" - 1/2"		7/8"	1-7/8"	7/8"	#4 RH

For more information see: www.sea-dog.com

PERKO MADE IN THE USA

WATERTIGHT DECK CONNECTION

Rated for 15 Amps at 12, 24 and 32 Volts. Polarized double contact connector. Chrome plated zinc and has a flange gasket with integral waterproof cap for base when plug is removed.
Diameter: 1-5/8" / Height: 1-3/16" / Screw Size: 6
ORDER NO. 621-11900 Mfr. No. 1190DP0CHR

For more information see: www.perko.com

RATCHET MOUNT

Stainless steel.

Four-way ratchet design with handle for deck or bulkhead mounting.
Has slot for cable feed-through.
Standard 1" - 14 male threads.
Bolt Holes: 9/32" diameter
3" x 1-1/2" on centre.

ORDER NO. 276-41870
Mfr. No. 4187

RATCHET MOUNT

Solid Nylon

Four-way ratchet design with handle for deck or bulkhead mounting. Standard 1" - 14 male threads. It is not for use with antenna longer than 8' in self-supporting mode, as this nullifies all warranties.
Bolt Holes: 9/32" diameter
3" x 1-1/2" on centre.

ORDER NO. 276-41860
Mfr. No. 4186-U

SWIVEL MOUNT MOUNTING KIT

(Complete with hardware)

Combines the Style 81-S Swivel Mount with the Shakespeare Style molded upper bracket Order No. 276-04081. The bracket features an insert to accept 1" or 1-1/2" diameter antennas or extension masts.

Now includes a new 1-1/8" insert!

- Swivel mount is stainless steel construction
- Standard 1"-14 thread (male)

ORDER NO. 276-04101
Mfr. No. 410-R

4187-HD EXTRA HEAVY-DUTY

Stainless Steel

This extra Heavy-Duty Ratchet Mount was developed to accommodate self supporting installations of the new Galaxy 5399 (# 276-53990), two piece, 9-1/2' antenna. The extra strength of the Style 4187-HD will also be welcome in T-Top, Hardtop, Radar Arch and other stress applications.

- 9/32" hole for cable feed-through
- Standard 1" - 14 thread

ORDER NO. 276-41871
Mfr. No. 4187-HD

ECONOMY RAIL MOUNT

Stainless steel.

Mount comes with nylon adapters to fit 7/8", 1" and 1 1/4" vertical or horizontal rails, for use with standard 1" -14 thread antennas. Can also be mounted to flat surfaces.

ORDER NO. 276-47200
Mfr. No. 4720

4' HEAVY-DUTY EXTENSION MAST

Lightweight 1-1/2" diameter extension mast of structurally strong fibreglass.
1"- 14 thread-upper male, lower female.
Chrome-plated brass fittings.
Use with # 276-04101
Mounting kit.
ACTUAL LENGTH: 50"

ORDER NO. 276-40084
Mfr. No. 4008-4

For more information see:
www.shakespeare-marine.com

SHAKESPEARE

RATCHET MOUNT STAINLESS STEEL

Sleek, simple lines come from a nutless, boltless, design.
Standard 1"-14 thread.
Slot for cable feed-through
Bolt holes: 5/16" diameter
3" x 1-1/2" on center

ORDER NO. 276-51870
Mfr. No. 5187

RATCHET RAIL MOUNT

Stainless Steel

Ratchet action, designed for quick and easy installation on 7/8" or 1" vertical or horizontal rails. Handles antennas up to 8' and has cable feed-through provision.

ORDER NO. 276-41900
Mfr. No. 4190

SHAKESPEARE 4364-B 12" FIBERGLASS EXTENSION MAST

One inch diameter extension mast for light to moderate duty applications. White molded polycarbonate male upper and female lower 1"-14 threads. Excellent for MarineTV antennas.

- Fits standard antenna mounts
- Great for clearing an obstruction
- One section

ORDER NO. 276-43641
Mfr. No. 4364-B

UPPER BRACKET

Insulated stand-off brackets of white molded plastic. Corrosion resistant. Easy opening for quick lay down. Includes bolts, nuts and lock washers. With insert - fits either 1", 1-1/8" or 1-1/2" diameter antennas.

ORDER NO. 276-04081
Mfr. No. 408-R

SHAKESPEARE 4365 STRAIGHT MOUNT

4" high, 1"-14 thread stainless steel mount. Perfect for radar arches. May be used with Style 4364 (#276-43640) extension mast.

ORDER NO. 276-43650
Mfr. No. 4365

SHIM KIT FOR RATCHET MOUNTS

Shim kit for ratchet mounts - heavy-duty rubber. Kit of four shims, two each with front/back and side/side slope. Each shim adds a half-notch (5˚) tilt. Stack them for extra height or for compound angles.

ORDER NO. 276-04140
Mfr. No. 414

Heavy-Duty Rubber

For more information see: www.shakespeare-marine.com

WHITECAP MARINE PRODUCTS

NEW!

RATCHET/ANTENNA MOUNTS - STAINLESS STEEL

ORDER NO.	Mfr. No.	Description
732-18020	S-1802C	May be used self-supporting with antennae up to 15 feet. Standard 1"-14" male threads. Includes cable hole. Base size: 3-5/8" x 2-1/2"
732-18020-HD	S-1802BC	This heavy duty mount is the finest available device for supporting antennae. Has standard 1"-14" male threads. Includes Loran cable hole. Base size: 3-3/4" x 2-1/4"

All bases require 1/4" fasteners.

732-18020

732-18020-HD

NEW!

RATCHET/ANTENNA MOUNTS - CHROME PLATED

ORDER NO.	Mfr. No.	Length	Width	Thread	Fastener	Material
732-18040	S-1804C	3-11/16"	2-3/16"	1"-14"	1/4" (4)	CP/Zamac

All bases require 1/4" fasteners.

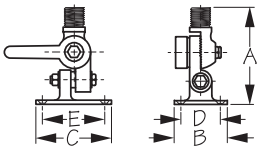
732-18040
Freshwater Use

For more information see: www.whitecapmarineproducts.com

SEA-DOG LINE QUALITY MARINE GEAR

ANTENNA BRACKET - Injection Molded Nylon

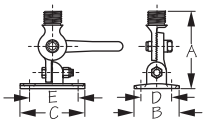
This bracket will accept any standard antenna with 1" - #14 threads.



ORDER NO.	Mfr. No.	A	B	C	D	E	Fastener
423-29130	329130-1	4-3/4"	2-9/16"	3-5/8"	1-13/16"	2-13/16"	1/4" FH

ADJUSTABLE ANTENNA BASE - Investment Cast 316 Stainless

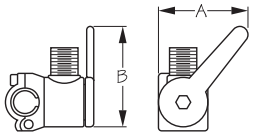
All stainless steel construction with dual swiveling mounts allows for full adjustability.
Will accept any standard antenna with 1" - #14 threads.
Designed with an integral feed system for Loran Cable.



ORDER NO.	Mfr. No.	A	B	C	D	E	Fastener
423-29230	329230-1	4-1/2"	2-1/2"	3-5/8"	1-13/16"	2-15/16"	1/4" FH

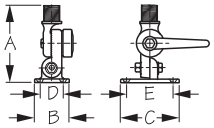
RAIL MOUNT ANTENNA BRACKET - LEVER TYPE - Injection Molded Nylon/Stainless Screws

ORDER NO	Mfr. No.	A	B	Fits Tubing
423-27148	327148-1	3-3/16"	3-5/8"	7/8" – 1"



ADJUSTABLE ANTENNA BASE - Die Cast Zinc Chrome Plated

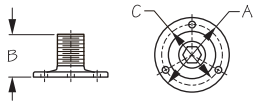
Die cast zinc construction with a mirror finish chrome plating will accept any standard antenna with 1" - #14 threads.
Designed with an integral feed system for Loran cable.



ORDER NO	Mfr. No.	A	B	C	D	E	Fastener
423-29300	329300-1	4-3/4"	2-1/8"	3-5/8"	1-7/16"	2-15/16"	1/4" FH

FIXED ANTENNA BASE - Injection Molded Nylon

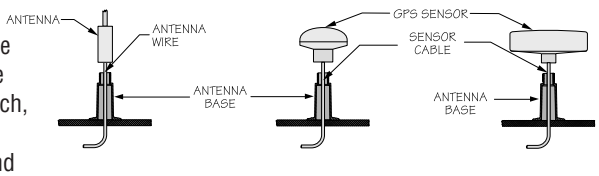
This antenna base will accept any standard antenna with 1" - #14 threads.

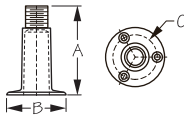


ORDER NO.	Mfr. No.	A	B	C	Fastener
423-29500	329500-1	2-13/16"	1-5/8"	2-3/16"	1/4" RH

FIXED ANTENNA BASE
Investment Cast 316 Stainless

All stainless steel construction. Designed to allow antenna wire to feed directly through the base eliminating the need for a separate cable grommet. Base is designed with a recess which, when filled with silicone sealant will make a water-tight fitting. Ideal for TV, Loran, GPS and VHF antenna's with standard 1" - #14 threads.



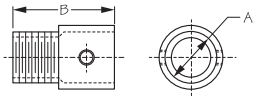


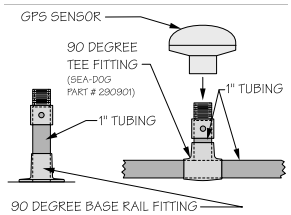
ORDER NO.	Mfr. No.	A	B	C	Fastener
423-29510	329510-1	4"	2-7/8"	2-1/8"	1/4" FH

TUBE MOUNT ANTENNA BASE
Investment Cast 316 Stainless

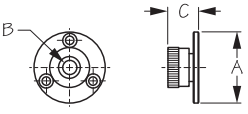
The Tube Mount Antenna Base can be used with any 1" O.D. stainless tubing allowing custom antenna mounts. When used with a stainless deck fitting such as Sea-Dog order number 422-80901, antenna extensions of any length can be made with a full length passage for coaxial connectors. Attaches to tubing with two 1/4" - #28 x 3/16" set screws which are included and is threaded for standard 1" - #14 threads.

B = 2" A = 1"
Mfr. No. 329520-1
ORDER NO. 423-29520





CHROME PLATED CABLE OUTLET - Machined Brass/Chrome Plated



ORDER NO.	Mfr. No.	A	B	C	Type of Cable	Fastener
424-26040	426040-1	1-1/4"	1/4"	5/8"	RG58	#5 FH
424-26042	426042-1	1-1/4"	5/16"	5/8"	RG8X	#5 FH

SUPER FLEX AUDIO PREMIUM TINNED COPPER

- Super Flexible, easy to run. Clear jacket to blend into the environment
- Drawn copper, unidirectional lay for ultimate in sound quality
- Tinned copper for corrosion resistance in the marine environment

ORDER NO.	Spool Length	Cable Type
421-42410	100'	14/2 AWG
421-42610	100'	16/2 AWG

Cable Size (AWG)	Nominal O.D.(in)	Wt. Per 1000'(lbs.)
14/2	.345 8.8 mm	65 29.5 kg
16/2	.319 8.1 mm	51 23.1 kg

COAXIAL CABLE (WHITE INSULATION) PREMIUM TINNED COPPER

- Features signal loss ratios of up to 50% less than other coaxial cables
- Tinned copper center conductor as well as tinned copper outer braid for corrosion resistance and easy soldering
- 96% braid for best signal strength and least interference with UV inhibited white jacket for longest life

ORDER NO.	Spool Length	Cable Type
421-50510	100'	RG 58CU
*For Interconnecting electronic equipment		
421-51510	100'	RG 8X
421-51525	250'	RG 8X
*For VHF runs less than 50'		
421-51710	100'	RG 213
421-51750	500'	RG 213
*For VHF runs over 50'		

Cable Size (AWG)	Nominal O.D.(in)	Wt. Per 1000'(lbs.)
RG 58CU	.3/16" 4.8 mm	26 11.8 kg
RG 8X	1/4" 6.4 mm	40 18.1 kg
RG 213	13/32" 10.3mm	110 50 kg

Wire Type	RG58C/U	RG8X	RG213
Insulation Material	PVC*	PVC	PVC*
Nominal O.D.	3/16" / 4.8 mm	1/4 / 6.4 mm"	13/32" / 10.3 mm
AWG	20	16	13
Conductor Stranding	19/33	19/29	7/21
Braid Coverage	96%	96%	96%
Wt. per 1000'	26 lbs./11.8 kg	40 lbs./18.1 kg	110 lbs./50 kg
Impedance (Ohms)	50	50	50
Capacitance/Ft.	30.8 pF	26.0 pF	30.8 pF
Attenuation/100'			
@50MHz	3.3db	2.5db	1.3db
@100MHz	4.9db	3.7db	1.9db
@1000MHz	21.5db	13.5db	8.0db
Velocity of Propagation	66%	78%	66%
* non-contaminating insulation	** copperweld		

ANCOR

For more information see:
www.ancorproducts.com

PRC200BC
POLK WIRED REMOTE FOR
Works with UM1ARTL & PA4A Stereos

- Surface mount or rear flush mount
- Black face, chrome bezel
- White backlight illumination
- Meets ASTM B117 (salt/fog exposure)
- Meets ASTM D4329 (UV exposure)
- Waterproof (IPX6)

Mfr. No. PRC200BC
ORDER NO. 689-18732

PRC100BC
POLK NON-DISPLAY WIRED REMOTE
Works with UM1ARTL & PA4A Stereos

- 2" diameter mounting hole
- Spin-on mounting clamp
- Black face, chrome bezel
- Blue backlight illumination
- Meets ASTM B117 (salt/fog exposure)
- Meets ASTM D4329 (UV exposure)
- Waterproof (IPX6)

Mfr. No. PRC100BC
ORDER NO. 689-18725

NMEA2K1
SALES KIT FOR
NMEA2000 COMPATIBILITY
Works with PA4A & P1 Stereos

Includes:
- NMEA2KGTWY JDab to NMEA2000 Gateway for RayMarine, Garmin and Chart Plot
- GTWYHRN Harness
- JWRYCBLS JDab Remote Control Y Cable

Mfr. No. NMEA2K1
ORDER NO. 689-22654

For more information see: www.asaelectronics.com

Have a Technical Question?

Contact our Technical Support Staff
email: techsupport@ccmarine.ca

AMPLIFIER WITH SPEAKERS

2 - CHANNEL BLUETOOTH AMPLIFIER
& PAIR OF 6.5" BAR MOUNT 2-WAY SPEAKER
Includes JAHD240BT Bluetooth Amplifier /Pair of JXHD65ROPSK 6.5" Speakers

JXHD65ROPSBT

- 80 Watts max (40 watts RMS)
- Bluetooth audio (A2DP/AVRCP)
- Waterproof (IPX6 rated)
- 4 Ohm~8 Ohm
- Frequency Response: 20 Hz - 20 KHz
- Epoxy potted enclosure
- Corrosion resistant (ASTMB117)
- Dimensions: 22"H x 11"W x 11"D

Mfr. No. JXHD65ROPSBT
ORDER NO. 688-22616

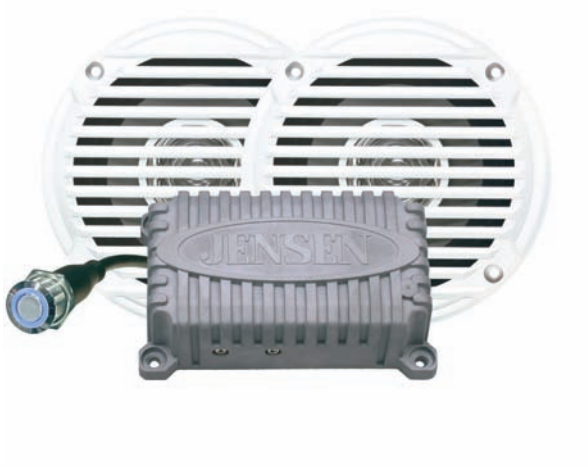
AMPLIFIER WITH SPEAKERS

2 - CHANNEL BLUETOOTH AMPLIFIER
& PAIR OF 5" WATERPROOF SPEAKERS
Includes JAHD240BT Bluetooth Amplifier / Pair of MS5006W 5" Speakers

CPM50

- 80 Watts max (40 watts RMS)
- Waterproof (IPX6 rated)
- Bluetooth streaming audio (A2DP) and controls (AVRCP)
- Illuminated program button
- 4 Ohm~8 Ohm stable
- Operating Voltage: 10 18V
- Frequency Response: 20 Hz - 20 KHz
- Epoxy potted enclosure
- Corrosion resistant finishes/materials (ASTMB117)
- Dimensions: 15"H x 10"W x 14"D

Mfr. No. CPM50
ORDER NO. 688-00050



MS5006W SPEAKERS

- 5" Dual Cone Waterproof Speaker
- Max Power Handling: 30 Watts
- Waterproof
- ASTM B117 Salt Spray Exposure Standard Compliant:
- ASTM D4329 UV Exposure Standard Compliant:
- Speaker Color: White

JHD910 MINI RADIO - ATV - HEAVY DUTY

Jensen® is proud to offer the new 12V Heavy Duty MINI Weatherproof AM/FM/WB Stereo with Front Audio Aux-in! Because work conditions can be pretty harsh, you need audio equipment that can stand up to the challenge. With the JENSEN® MINI, you have the dependability that you need along with state-of-the-art features that bring your customers the best radio options in the ATV industry

JENSEN HEAVY DUTY

ORDER NO. Mfr. No.
688-00910 JHD910

- Completely waterproof AM/FM radio
- 7-Channel NOAA Weatherband & Weather Alert
- Front panel audio aux-in for use with iPods®, MP3 players, & portable CD players Jobsite work timer
- 30 day internal memory
- Green or Amber backlighting
- Electronic Seek Up-Down/Volume/Bass/Treble & Balance Controls
- 2-Channel amplified audio output
- Standard "L" Mounting bracket included
- 12VDC Power - no batteries required
- Overall Dimensions: 5-3/16"W x 3-3/8"H x 1-7/8"D

JENSEN® HEAVY DUTY MINI ACCESSORIES

Maximize your audio quality by pairing the JHD910 Mini Radio with the Jensen® JXHD35 Mini Speakers. By offering full range audio reproduction, easy mounting options, and UV resistance, the JXHD35 Mini Speakers bring further audio enjoyment to the JHD910 Mini Radio

JXHD35 HEAVY DUTY SPEAKERS WATERPROOF

- 30 Watts
- 3.5"Heavy Duty
- Weatherproof
- Corrosion resistant
- UV resistant materials
- Multiple mounting applications (surface mount housing/metal mounting bracket)
- Full range audio through 3.5" woofer with independent tweeter
- Dimensions: 3"L x 4.4"W x 4.4"H

ORDER NO. Mfr. No.
688-00035 JXHD35

JENSEN HEAVY DUTY

JAN139 HEAVY DUTY ANTENNA

- 6" Rubber Mast Antenna
- Top/Side mount of vehicle
- Attached 39" cable
- Aero styling
- Heavy duty design

ORDER NO. Mfr. No.
688-00139 JAN139

6-1/2" HIGH PERFORMANCE COAXIAL MARINE SPEAKER

MSX65R

- Weatherproof and designed for marine use
- Max power handling: 150 Watts (pair)
- Includes 2 white grilles & 2 silver grilles
- Frequency: 65Hz-20kHz
- Nominal impedance: 4 Ohms
- Polypropylene woofer: 6-1/2"
- Magnet: 11 oz.
- Mounting hole diameter: 5"
- Mounting depth: 2-1/4"
- Tweeter type: Dome
- Tweeter material: Silk
- ASTM B117 salt spray exposure compliant
- ASTM D4329 UV exposure standard compiant

ORDER NO. 688-65111 Mfr. No. MSX65R

6-1/2" COAXIAL WHITE MARINE SPEAKER

MS6007WR

- Weatherproof and designed for marine use
- Max power handling: 120 Watts (pair)
- Frequency: 75Hz-20kHz
- Nominal impedance: 4 Ohms
- Polypropylene woofer: 6-1/2"
- Magnet: 9.8 oz.
- Mounting hole diameter: 5"
- Mounting depth: 2-1/3"
- Tweeter type: Dome
- Tweeter material: Titanium
- ASTM B117 salt spray exposure compliant
- ASTM D4329 UV exposure standard compiant

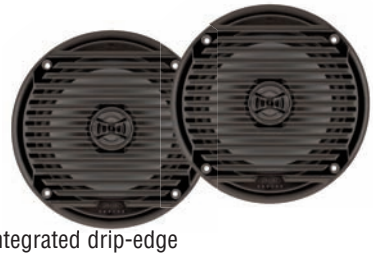
ORDER NO. 688-60070 Mfr. No. MS6007WR

6-1/2" WATERPROOF COAXIAL SPEAKER

MS6007BR

KEY FEATURES

- Max power handling: 60 Watts Sensitivity: 91dB
- Frequency: 75Hz-20kHz
- Nominal impedance: 4 Ohms
- Polypropylene woofer: 6-1/2"
- Magnet: 9.8 oz.
- Mounting Hole Diameter: 5"
- Mounting depth: 2-1/3"
- Tweeter type: Dome
- Tweeter material: Titanium
- One-piece plastic chassis with integrated drip-edge
- Voice coil size: 1"
- Suspension/Surround: Rubber
- ASTM B117 Salt Spray Exposure Standard Compliant
- ASTM D4329 UV Exposure Standard Compliant



ORDER NO. 688-60070-1 Mfr. No. MS6007BR

6-1/2" COAXIAL SPEAKER

MSX60CPR

KEY FEATURES

- Max power input: 75 Watts
- Frequency response: 65Hz-20kHz
- Bridged/suspended tweeter
- Polypropylene cone
- Rubber suspension/surround
- Magnet weight: 11 oz.
- High polished chrome grille
- Water and corrosion resistant sealed design
- All plastic chassis construction
- UV resistant (ASTM-D4329 compliant)
- Mounting Hole Diameter: 5"
- Mounting depth: 2-1/3"

ORDER NO. 688-60060-1 Mfr. No. MSX60CPR

6-1/2" COAXIAL SPEAKER

MSX60RVR

KEY FEATURES

- Max power handling: 75 Watts
- Sensitivity: 91dB
- Frequency: 65Hz-20kHz
- Nominal impedance: 4 Ohms
- Polypropylene Woofer: 6-1/2"
- Magnet weight: 11 oz.
- Mounting Hole Diameter: 5"
- Mounting depth: 2-1/3"
- Tweeter type: Dome
- Tweeter material: Titanium
- ASTM B117 Salt Spray Exposure Standard Compliant
- ASTM D4329 UV Exposure Standard Compliant

Mfr. No. MSX60RVR

ORDER NO. 688-60060-2

For more information see:
www.asaelectronics.com

6-1/2" COAXIAL SPEAKER - WATERPROOF
MSX60BR

ORDER NO. 688-00600
Mfr. No. MSX60BR

- Max power input: 150W (pair)
- Frequency response: 65Hz - 20KHz
- Bridged/suspended tweeter
- Polypropylene cone
- Tweeter: Mylar
- Rubber suspension/surround"
- Magnet weight: 11 oz.
- High polished chrome grille
- Water and corrosion resistant sealed design
- All plastic chassis construction
- UV resistant (ASTM D4329 compliant)
- Hole size: 5"
- Mounting depth: 2.3"

ORDER NO. 688-00600 Mfr. No. MSX60BR

8" AMPLIFIED MARINE POWERED SUBWOOFER 200 WATTS
JMPSW800

ORDER NO. 688-00800
Mfr. No. JMPSW800

- 200 Watts max handling power
- 12VDC power system
- Built-in amplification
- Black anodized, all aluminum enclosed
- Mate-in-lock connectors for easy installation
- Adjustable gain and crossover
- Low (line) level inputs
- Frequency response 60 Hz - 200 Hz
- Vertical and horizontal mounting provisions
- Overall Dimensions: 13.6"W x 10.4"H x 2.90"D

ORDER NO. 688-00800 Mfr. No. JMPSW800

USB/AUXILIARY AUDIO INPUT JACK

USB & AUXILIARY AUDIO INPUT JACK
- USB interface port for connection to USB capable stereos (MSR2107/JMS2212/JMS7010)
- 1/8" Auxiliary input jack w/ RCA cable
- Waterproof cover / 10 ft long cables

ORDER NO. 688-00004 Mfr. No. JENAUX

White

Black

Smoke Grey

POLK ULTRAMARINE COAXIAL SPEAKERS

6.6" - 7.7" - 8.8"

- Air Suspension Technology (Free Air Design)
- Waterproof
- UV/Corrosion resistant
- Cast aluminum basket
- High temperature voice coil
- Snap on grille installation option
- Silver cone
- Insulated tinsel leads
- XKGlow LED Light Ring (Compatible with XKGlow Controller w/App Support)
- Tweeter Type: 1" dome
- Tweeter Material: Titanium dome

ORDER NO.	Mfr. No.	Colour	Watts (MAX)	Speaker Sensitivity	Frequency Response	System Impedance
6.6" Coaxial Speakers - Sold in Pairs						
689-23057	UMS66WR	White	150 W	87.5 dB	100 Hz - 20 kHz	4 Ω
689-23064	UMS66BR	Black	150 W	87.5 dB	100 Hz - 20 kHz	4 Ω
689-23071	UMS66SR	Smoke Grey	150 W	87.5 dB	100 Hz - 20 kHz	4 Ω
7.7" Coaxial Speakers - Sold in Pairs						
689-23088	UMS77WR	White	200 W	90.2 dB	70 Hz - 20 kHz	4 Ω
689-23095	UMS77BR	Black	200 W	90.2 dB	70 Hz - 20 kHz	4 Ω
689-23101	UMS77SR	Smoke Grey	200 W	90.2 dB	70 Hz - 20 kHz	4 Ω
8.8" Coaxial Speakers - Sold in Pairs						
689-23118	UMS88WR	White	250 W	89.4 dB	50 Hz - 20 kHz	4 Ω
689-23125	UMS88BR	Black	250 W	89.4 dB	50 Hz - 20 kHz	4 Ω
689-23132	UMS88SR	Smoke Grey	250 W	89.4 dB	50 Hz - 20 kHz	4 Ω

Sold Individually

POLK ULTRAMARINE 10" SUBWOOFER

- Air Suspension Technology (Free Air Design)
- Speaker Impedance: 4 Ω
- Waterproof
- UV/Corrosion resistant
- Cast aluminum basket
- High temperature voice coil
- 89.2 dB Sensitivity
- Frequency Resp;onse: 20Hz-2KHz
- Snap on grille installation option
- Silver cone
- Insulated tinsel leads
- XKGlow LED Light Ring (Compatible with XKGlow Controller w/App Support)

ORDER NO.	Mfr. No.	Colour	Max Watts
10" Subwoofer - Sold Individually			
689-23026	UMS108WR	White	700 W
689-23033	UMS108BR	Black	700 W
689-23040	UMS108SR	Smoke Grey	700 W

PRCEC18
POLK ULTRAMARINE REMOTE CONTROL EXTENSION CABLE

- 18' extension cable for Polk wired remote control

Mfr. No. PRCEC18
ORDER NO. 689-18756

PRCYC1
POLK ULTRAMARINE REMOTE CONTROL Y CABLE

- ''Y'' connection cable for Polk wired remote control
- Allows for connection of multiple Polk remotes

Mfr. No. PRCYC1
ORDER NO. 689-18749

For more information see: www.asaelectronics.com

POLK ULTRAMARINE
4 CHANNEL CLASS-D
POWER AMPLIFIER

- Max Power Handling: 500 watt
- 125W x 4 @ 4 ohms; 200W x 4 @ 2 ohms; 400W x 2 @ 4 ohms (bridged)
- Frequency Response: 20Hz - 20kHz
- Input ompedance: 20k Ohms
- Efficient Class D bridgeable design
- Line level inputs only
- MOSFET switching power
- Signal-to-noise ratio: 15dBA
- Distortion at rated power: <0.1%
- Filter slop: 12dB octave
- Max sensitivity: 200mV - 6V dB
- 12V and ground cable gauge: 4AWG
- Protection circuitry: thermal, DC offset, reverse polarity and short circuit
- Nickel-plated wire terminals/RCA connectors
- Stainless-steel hardware
- Dimensions: 1.81''H x 10.94''W x 6.75''D

Mfr. No. PAD4000.4
ORDER NO. 689-21938

POLK ULTRAMARINE
5 CHANNEL CLASS-D
POWER AMPLIFIER

- 70W x 4; 200W x 1 (sub) @ 4 ohms. 100W x 4; 400W x 1 (sub) @ 2 ohms. 200W x 2 @ 4 ohms (bridged). 500W x 1 (sub) @ 1 ohm
- Frequency Response: 20Hz - 20kHz main channels, 20-250 Hz sub channel
- Input impedance: > 20k Ohms
- Line level inputs only
- MOSFET switching power
- Signal-to-noise ratio: 15dBA
- Distortion at rated power: <0.1%
- Filter slop: 12dB octave
- Max sensitivity: 200mV - 6V dB
- 12V and ground cable gauge: 4AWG
- Protection circuitry: thermal, DC offset, reverse polarity and short circuit
- Nickel-plated wire terminals and RCA connectors
- Stainless-steel hardware
- Dimensions: 1.81”H x 13.31”W x 6.75”D

Mfr. No. PAD5000.5
ORDER NO. 689-21945

For more information see:
www.asaelectronics.com

MARINE STEREO PACKAGE
MCK508WB.6
BLUETOOTH IN-DASH SINGLE-DIN MARINE MP3 - COMPATIBLE CD AM/FM RECEIVER, USB/BLUETOOTH® AUDIO STREAMING

USB and SD Memory Card Ports,
Compatible with audio output of iPod®/iPhone®, Smartphones, and MP3 Players, Front & Rear Outputs.
MR508UABW (Receiver), One Pair of MR6W (Speakers) & MRANT10 (Antenna)

ORDER NO.	Mfr. No.
988-50800-06	MCK508WB.6

FEATURES:
- 6.5" 2-Way Weather Proof Full Range Marine Speakers with Poly Carbon Cone and Rubber Surround
- 180 Watts, Max 90 Watts RMS Power Handling per pair
- Receiver MR508UABW - 50 Watts x 4 Max Power, Preset built-in EQ, and Wireless Remote
- Plays CD/USB/SD/MP3/WMA,FM/AM, Smartphones
- CD±R/RW Audio
- USB, SD, Aux Inputs and Front & Rear RCA Outputs
- Compatible with Audio out from Smartphones and MP3 Players
- Bluetooth Hands Free & Bluetooth Audio Streaming - Play and Control Music Apps (Spotify / Pandora wirelessly
- Switchable US & Europe Tuner Frequencies
- RDS Tuner
- PC Board with Conformal Coating
- Front Panel UV Coating
- Marinized

For more information see:
www.bossaudio.com

MARINE STEREO PACKAGES
MCKGB450W.6 & MCKGB450B.6
BLUETOOTH® /AUDIO STREAMING/MARINE GAUGE DIGITAL MEDIA AM/FM RECEIVER
PLUS

One Pair 6.5" 180 Watt Dual Cone Marine Loudspeakers (MR6W Speakers) & MRANT10 (Marine Dipole Antenna)

FEATURES:

- IPX6**
- NOAA Weather Band Tuner
- Switchable US & EU Tuner Frequencies
- RDS Tuner
- Conformal Coated PCB
- Polished Stainles Steel Bezel (2 trim bezels included)
- Zero Current Draw Memory (Radio preset memory in case of battery disconnect)
- Fully Marinized
- Engineered in the USA

MR6W SPEAKERS

- 180 Watt Peak Power
- Resin Treated Cloth Surround
- Polypropylene Cone
- Dual Cone Design
- Composite Basket
- Cutout Diameter 3" (76 mm)
- Wired Remote Ready
- Illuminated Soft Touch Buttons
- 60 Watts x 4 Channel
- Built-in 4 Channel Amplifier

INPUTS & OUTPUTS

- USB Port
- USB Charging (1A)*
- Aux-In
- **Compatible with Audio Output of iPod®/iPhone® Smartphones, & MP3 Players**
- Front, Rear/Sub Pre-Amp Outputs

PLAYBACK

- MP3/WWA
- BLUETOOTH® AUDIO STREAMING Stream & Control your Favorite Music APPs

ORDER NO.	Mfr. No.	Description
988-04501-06	MCKGB450W.6	w/ **White** Speakers
988-04502-06	MCKGB450B.6	w/ **Black** Speakers

* Charging only. Not for mobile device playback
** IPX6-Protected against high pressure water stream from any angle. It is not intended to be submersed completely in water.

MARINE STEREO PACKAGES
MCKGB350W.6 & MCKGB350B.6
BLUETOOTH® /AUDIO STREAMING/MARINE GAUGE DIGITAL MEDIA AM/FM RECEIVER
PLUS

One Pair 6.5" 180 Watt Dual Cone Marine Loudspeakers (MR6W Speakers) & MRANT10 (Marine Dipole Antenna)

FEATURES:

- IPX6**
- NOAA Weather Band Tuner
- Switchable US & EU Tuner Frequencies
- RDS Tuner
- Conformal Coated PCB
- Polished Stainles Steel Bezel
- Zero Current Draw Memory (Radio preset memory in case of battery disconnect)
- Fully Marinized
- Engineered in the USA

MR6W SPEAKERS

- 180 Watt Peak Power
- Resin Treated Cloth Surround
- Polypropylene Cone
- Dual Cone Design
- Cutout Diameter 3" (76 mm)
- 60 Watts x 4 Channel
- Built-in 4 Channel Amplifier

INPUTS & OUTPUTS

- USB Port
- USB Charging (1A)*
- Aux-In
- **Compatible with Audio Output of iPod®/iPhone® Smartphones, & MP3 Players**
- Front, Rear/Sub Pre-Amp Outputs

PLAYBACK

- MP3/WWA
- BLUETOOTH® AUDIO STREAMING Stream & Control your Favorite Music APPs

ORDER NO.	Mfr. No.	Description
988-00350-06	MCKGB350W.6	w/ **White** Speakers
988-03500-06	MCKGB350B.6	w/ **Black** Speakers

* Charging only. Not for mobile device playback
** IPX6-Protected against high pressure water stream from any angle. It is not intended to be submersed completely in water.

For more information see: www.bossaudio.com

MR762BRGB
IN-DASH SINGLE-DIN DETACHABLE FRONT PANEL CD/USB/SD/ MP3 PLAYER/AM/FM/MP3 COMPATIBLE BLUETOOTH STREAMING/ BLUETOOTH HANDS-FREE RECEIVER WITH WIRELESS REMOTE

FEATURES: MR762BRGB

GENERAL
- Marinized
- Switchable Tuner Frequencies (USA, Europe)
- RDS Tuner
- PC Board with Conformal Coating
- Tuner Preset (18 FM / 12 AM
- Selectable Preset EQ
- ID3-Tag Information
- Clock Display
- Chassis Type: Single-DIN
- Full Detachable Front Panel (UV Coated)

MEDIA PLAYBACK
- CD±R/RW Audio
- MP3/WMA, CD/USB/SD
- Bluetooth Hands-Free, Bluetooth APP Control
- Bluetooth® Audio Streaming

I

INPUTS & OUTPUTS
- USB Port (Front Panel)
- SD Port (Behind Face Panel)
- Aux-in (Front Panel)
- Compatible with Audio Output of iPod®/iPhone®, Android Smartphones, and MP3 Players
- Pre-Amp RCA Outputs (Front & Rear)

PERFORMANCE & CONTROLS
- **Total Power Output: 240 Watts (60W x 4 Channel)**
- Last Position Memory
- One Bit D/A Converter
- E.S.P. (Electronic Skip Protection)
- Wireless Remote Control
- Features Multi-Colour Illumination Options

MOUNTING MEASUREMENTS
- 7.125" Width - 2.125" Height - 8.125" Depth

ORDER NO.	Mfr. No.
988-76200-00	MR762BRGB

For more information see:
www.bossaudio.com

BOSS AUDIO SYSTEMS

MR508UABW
IN-DASH SINGLE-DIN DETACHABLE FRONT PANEL CD/USB/ MP3 PLAYER/AM/FM/MP3 COMPATIBLE BLUETOOTH STREAMING/ BLUETOOTH HANDS-FREE RECEIVER WITH WIRELESS REMOTE

FEATURES: MR508UABW

GENERAL
- Marinized
- Switchable Tuner Frequencies (USA, Europe)
- RDS Tuner
- PC Board with Conformal Coating
- Tuner Preset (18 FM / 12 AM
- Selectable Preset EQ
- ID3-Tag Information
- Clock Display
- Chassis Type: Single-DIN
- Full Detachable Front Panel (UV Coated)

MEDIA PLAYBACK
- CD±R/RW Audio
- MP3/WMA
- USB/SD
- Bluetooth® Audio Streaming
  - Stream & Control your favourite Music APPs

INPUTS & OUTPUTS
- USB Port (Front Panel)
- SD Port (Behind Face Panel)
- Aux-in (Front Panel)
- Compatible with Audio Output of iPod®/iPhone®, Android Smartphones, and MP3 Players
- Pre-Amp RCA Outputs (Front & Rear)

PERFORMANCE & CONTROLS
- **Total Power Output: 240 Watts (50W x 4 Channel)**
- Last Position Memory
- One Bit D/A Converter
- E.S.P. (Electronic Skip Protection)
- Wireless Remote Control

MOUNTING MEASUREMENTS
- 7.125" Width - 2.125" Height - 7" Depth

ORDER NO.	Mfr. No.	Finish
988-05080-00	MR508UABW	White

MR508UABS
IN-DASH SINGLE-DIN DETACHABLE FRONT PANEL CD/USB/ MP3 PLAYER/AM/FM/MP3 COMPATIBLE BLUETOOTH STREAMING/ BLUETOOTH HANDS-FREE RECEIVER WITH WIRELESS REMOTE

FEATURES: MR508UABS

GENERAL
- Marinized
- Switchable Tuner Frequencies (USA, Europe)
- RDS Tuner
- PC Board with Conformal Coating
- Tuner Preset (18 FM / 12 AM
- Selectable Preset EQ
- ID3-Tag Information
- Clock Display
- Chassis Type: Single-DIN
- Full Detachable Front Panel (UV Coated)

MEDIA PLAYBACK
- CD±R/RW Audio
- MP3/WMA
- USB/SD
- Bluetooth® Audio Streaming
  - Stream & Control your favourite Music APPs

INPUTS & OUTPUTS
- USB Port (Front Panel)
- SD Port (Behind Face Panel)
- Aux-in (Front Panel)
- Compatible with Audio Output of iPod®/iPhone®, Android Smartphones, and MP3 Players
- Pre-Amp RCA Outputs (Front & Rear)

PERFORMANCE & CONTROLS
- **Total Power Output: 240 Watts (50W x 4 Channel)**
- Last Position Memory
- One Bit D/A Converter
- E.S.P. (Electronic Skip Protection)
- Wireless Remote Control

MOUNTING MEASUREMENTS
- 7.125" Width - 2.125" Height - 7" Depth

ORDER NO.	Mfr. No.	Finish
988-05080-01	MR508UABS	Silver

MRC5 - WATERPROOF RADIO COVER UNIVERSAL MARINE
- Poly-carbonate tinted front panel
- UV-stabilized impact-resistant ABS plastic
- Sealed with heavy duty gasket
- Head unit not included
- White surround bezel

ORDER NO.	Mfr. No.
988-00005-00	MRC5

For more information see: www.bossaudio.com

MGR350B
IN-DASH MARINE GAUGE DIGITAL MEDIA AM/FM RECEIVER BLUETOOTH® A2DP/AUDIO STREAMING/USB/AUDIO INPUT

FEATURES: MR762BRGB

GENERAL
- Fully Marinized IPX6
- USB Charging (1A)
- Weather Band Tuner
- Switchable Tuner Frequencies (USA, Europe)
- RDS Tuner
- PC Board with Conformal Coating
- Front Panel UV Coating
- Polished Stainless Steel Bezel
- Zero Current Draw Memory (Retains Radio Preset Memory in case of Vehicle Battery Disconnect)

MEDIA PLAYBACK
- MP3/WMA, CD/USB/SD Bluetooth APP Control
- Bluetooth® Audio Streaming (Stream and Control your favorite Music APPs)

INPUTS & OUTPUTS
- USB Port (Front Panel)
- Aux-in (Rear Cable)
- Compatible with Audio Output of iPod®/iPhone®, Android Smartphones, and MP3 Players
- Front Pre-Amp Output
- Rear/Sub Pre-Amp Output

PERFORMANCE & CONTROLS
- **Total Power Output: 240 Watts (60W x 4 Channel)**

DIMENSIONS
- Cutout Diameter: 3" (76mm)

IPX6-Protected against high pressure water stream from any angle. It is not intended to be submersed completely in water.

ORDER NO.	Mfr. No.
988-00350-00	MGR350B

MR1308UAB

MR1308UABK

MR1308UAB / MR1308UABK
IN-DASH SINGLE-DIN MARINE DIGITAL MEDIA MP3/AM/FM/USB/BLUETOOTH RECEIVER

FEATURES:

GENERAL
- Fully Marinized IPX6
- Wireless Remote Control
- Detachable Front Panel
- Switchable Tuner Frequencies (USA, Europe)
- A.M.S. (Auto Memory Search)
- Clock Display
- ID3-Tag Information
- Zero Current Draw Memory (Retains Radio Preset Memory in case of Vehicle Battery Disconnect)
- PC Board with Conformal Coating
- Front Panel UV Coating

INPUTS & OUTPUTS
- Bluetooth Hands-Free
- USB Port
- SD Port
- Aux-In (Front Panel)
- Compatible with Audio Output of iPod®/iPhone®, Smartphones, and MP3 Players
- Front Pre-Amp Output
- RCA Outputs

MEDIA PLAYBACK
- MP3/WMA
- Bluetooth® Audio Streaming (Stream and Control your favorite Music APPs)

PERFORMANCE & CONTROLS
- **Total Power Output: 200 Watts (50W x 4 Channel)**
- Last Position Memory

DIMENSIONS
- Dimensions: 2.125"H x 7.25"L x 7.125"W x 5"D

ORDER NO.	Mfr. No.	Finish
988-13080-01	MR1308UAB	White
988-13080-02	MR1308UABK	Black

For more information see: www.bossaudio.com

BOSS AUDIO SYSTEMS

MR632UAB
BLUETOOTH® MARINE IN-DASH SINGLE-DIN MP3/COMPATIBLE DIGITAL MEDIA AM/FM RECEIVER

FEATURES:

GENERAL
- Single-DIN Fit
- Wireless Remote Control
- Detachable Front Panel
- Conformal Coated PCB
- Switchable US & EU Tuner Frequencies
- UV Protected Front Panel
- Fully Marinized
- 50 Watts x 4 Channel
- Engineered in the USA

MEDIA PLAYBACK
- MP3/WMA
- BLUETOOTH® AUDIO STREAMING
  Stream & Control your Favorite Music APPs

DIMENSIONS: 7"L x 2"D x 3.8"H

INPUTS & OUTPUTS
- BLUETOOTH® Hands Free
- USB Port
- USB Charging (1A)
- Aux-In
- **Compatible with Audio Output of iPod®/iPhone®, Smartphones, & MP3 Players**
- Front Pre-Amp Outputs

ORDER NO.	Mfr. No.	Description
988-06320-01	MR632UAB	Receiver Only

MARINE STEREO PACKAGE MRK632WB.64
BLUETOOTH® MARINE IN-DASH SINGLE-DIN MP3/COMPATIBLE DIGITAL MEDIA AM/FM RECEIVER
PLUS
Two Pair 6.5" 180 Watt Marine Dual Cone Full Range Speaker System (MR6W Speakers) & MRANT10 (Antenna) & 3.5mm Stereo Auxiliary Cable

FEATURES:

GENERAL
- Single-DIN Fit
- Wireless Remote Control
- Detachable Front Panel
- Conformal Coated PCB
- Switchable US & EU Tuner Frequencies
- UV Protected Front Panel
- Fully Marinized
- 50 Watts x 4 Channel
- Engineered in the USA

MEDIA PLAYBACK
- MP3/WMA
- BLUETOOTH® AUDIO STREAMING
  Stream & Control your Favorite Music APPs

DIMENSIONS: 7"L x 2"D x 3.8"H

INPUTS & OUTPUTS
- BLUETOOTH® Hands Free
- USB Port
- USB Charging (1A)
- Aux-In
- **Compatible with Audio Output of iPod®/iPhone®, Smartphones, & MP3 Players**
- Front Pre-Amp Outputs

MR6W SPEAKERS (WHITE)
- BLUETOOTH®
- Resin Treated Cloth Surround
- Polypropylene Cone
- Dual Cone Design
- Composite Basket

ORDER NO.	Mfr. No.	Description
988-06320-64	MR632WB.64	Stereo Package including Speakers, Antenna & Cable

BOSS AUDIO SYSTEMS

MR652C
350 WATTS 6.5"
2-WAY MARINE LOUDSPEAKER

Featuring Poly Injection Cone, Aluminum Voice Coil and Removable Tweeters. Removable Tweeters can be used as components.

General Specifications
- Speaker Type: Full Range
- Configuration: 2-Way

Specifications
- Woofer Size: 6.5"
- Tweeter Size: 1" Mylar Dome
- Supplied Grille: Yes

Performance Specifications
- Peak Power Handling: 350 Watts
- System Sensitivity (1 Watt / 1 Meter): 92db
- System Impedance: 4 Ohms
- System Frequency Response: 60 Hz to 20 kHz, ±db
- Impedance: 4 Ohms

Dimensions:
- Mounting Diameter: 5.08"
- Mounting Depth: 2.44"

Sold in Pairs

ORDER NO.	Mfr. No.
988-06520	MR652C

MR752C
400 WATTS 7.5"
2-WAY MARINE LOUDSPEAKER

Featuring Poly Injection Cone, Aluminum Voice Coil and Removable Tweeters. Removable Tweeters can be used as components.

General Specifications
- Speaker Type: Full Range
- Configuration: 2-Way

Specifications
- Woofer Size: 7.5"
- Tweeter Size: 1" Mylar Dome
- Supplied Grille: Yes

Performance Specifications
- Peak Power Handling: 400 Watts
- System Sensitivity (1 Watt / 1 Meter): 90db
- System Impedance: 4 Ohms
- System Frequency Response: 40 Hz to 20 kHz, ±db
- Impedance: 4 Ohms

Dimensions:
- Mounting Diameter: 6.14"
- Mounting Depth: 2.76"

Sold in Pairs

ORDER NO.	Mfr. No.
988-07520	MR752C

SPEAKERS
Featuring Multi-Colour Illlumination Options

MRGB65 / MRGB65S / MRGB65B
6.5" 200 WATTS MAX POWER
2-WAY MARINE LOUDSPEAKER

These Speakers are Built to withstand the Harsh Marine & Outdoor Environment

ROCK YOUR BOAT!

Good times become great times with the company of these on board. Powerful 6.5" speakers built for the marine environment, equipped with professional-grade RGB LEDs integrated behind the grill will naturally carry a big statement. Included remote for the RGB LEDs gives you a fully-tuneable lighting system that allows full control to orchestrate whatever light show you can image.

Features
- 6.5" Marinized Coaxial
- 200 Watts
- Polypropylene Cone with Dome Tweeter
- Resin Impregnated Surround Material
- ABS Basket
- RGB-LED Illuminated Grills allow user to Strobe, Flash, Fade through several colours

Included Remote Control Allows:
- 19 Dynamic Modes
- 20 Static colours
- RF Wireless Remote
- Speed Adjustment (10 levels)
- Brightness Adjustable (5 levels)
- Demo Mode
- Auto Memory Function

Sold in Pairs

ORDER NO.	Mfr. No.	Finish
988-00065-00	MRGB65	White
988-00065-01	MRGB65S	Silver
988-00065-02	MRGB65B	Black

For more information see: www.bossaudio.com

MR692W / MR692B
350 WATTS 6" X 9"
2-WAY MARINE LOUDSPEAKER

General Specifications
- Speaker Type: Full Range
- Polypropylene Woofer Cone & Treated Cloth Surround
- Configuration: 2-Way

Specifications
- Woofer Size: 6" x 9"
- Tweeter Size: 1" Mylar Dome
- Supplied Grille: Yes

Performance Specifications
- Peak Power Handling: 350 Watts
- RMS Maximum Power: 175 Watts per pair
- System Sensitivity (1 Watt / 1 Meter): 92db
- System Impedance: 4 Ohms
- System Frequency Response: 60 Hz to 20 kHz, ±1db
- Impedance: 4 Ohms

Dimensions:
- Mounting Depth: 3.375"

Sold in Pairs

ORDER NO.	Mfr. No.	Colour
988-00692-00	MR692W	White
988-00692-02	MR692B	Black

MR62W / MR62B
200 WATTS 6.5"
2-WAY MARINE LOUDSPEAKER

General Specifications
- Speaker Type: Weather Proof Full Range
- Polypropylene Woofer Cone & Treated Cloth Surround
- Configuration: 2-Way

Specifications
- Woofer Size: 6.5"
- Tweeter Size: 1" Mylar Dome
- Supplied Grille: Yes

Performance Specifications
- Peak Power Handling: 200 Watts
- RMS Maximum Power: 100 Watts per pair
- System Sensitivity (1 Watt / 1 Meter): 90db
- System Impedance: 4 Ohms
- System Frequency Response: 80 Hz to 20 kHz, ±1db
- Impedance: 4 Ohms

Dimensions:
- Mounting Diameter: 6"
- Mounting Depth: 2.625"

Sold in Pairs

ORDER NO.	Mfr. No.	Colour
988-00062-00	MR62W	White
988-00062-02	MR62B	Black

MR52W / MR52B
150 WATTS 5-1/4"
2-WAY MARINE LOUDSPEAKER

General Specifications
- Speaker Type: Weather Proof Full Range
- Polypropylene Woofer Cone & Treated Cloth Surround
- Configuration: 2-Way

Specifications
- Woofer Size: 5-1/4"
- Tweeter Size: 1" Mylar Dome
- Supplied Grille: Yes

Performance Specifications
- Peak Power Handling: 150 Watts
- RMS Maximum Power: 75 Watts per pair
- System Sensitivity (1 Watt / 1 Meter): 89db
- System Impedance: 4 Ohms
- System Frequency Response: 80 Hz to 20 kHz, ±1db
- Impedance: 4 Ohms

Dimensions:
- Mounting Diameter: 5"
- Mounting Depth: 2.2"

Sold in Pairs

ORDER NO.	Mfr. No.	Colour
988-00052-00	MR52W	White
988-00052-02	MR52B	Black

BOSS AUDIO SYSTEMS

MR690
350 WATTS 6" X 9"
2-WAY COAXIAL MARINE SPEAKERS

Subwoofer Basics
- Size: 6" x 9"
- Total Power: 350 Watts

Performance
- Frequency Response: 60 Hz to 20 kHz
- Total Power: 350 Watts
- Impedance: 4 Ohms
- SPL (1 Watt / 1 Meter): 92 dB

Voice Coil & Cone
- Voice Coil Material: 1" Aluminum
- Basket Structure: Plastic
- Cone Material: Poly Injection
- Number of Magnets: 1

Components
- Number of Tweeters: 1
- Tweeter 1: Size: 1"; Material: Mylar Dome

Dimensions: 4" x 10.62" x 7.87"
Mounting Hole Depth: 3-3/8"
White in colour
Sold as Pairs

ORDER NO.	Mfr. No.
988-00690-00	MR690

MR60W & MR60B
200 WATTS 6.5"
2-WAY COAXIAL MARINE SPEAKERS

Subwoofer Basics
- Size: 6.5"
- Total Power: 200 Watts

Performance
- Frequency Response: 80 Hz to 20 kHz
- Total Power: 200 Watts
- Impedance: 4 Ohms
- SPL (1 Watt / 1 Meter): 90 dB

Voice Coil & Cone
- Voice Coil Material: 1" Aluminum
- Basket Structure: Plastic
- Cone Material: Poly Injection
- Number of Magnets: 1

Components
- Number of Tweeters: 1
- Tweeter 1: Size: 1"; Material: Mylar Dome

Dimensions: 4" x 8" x 8"
Mounting Hole Depth: 2-5/8"
Sold as Pairs

ORDER NO.	Mfr. No.	Colour
988-00060-01	MR60W	White
988-00060-02	MR60B	Black

MR50W
150 WATTS 5-1/4"
2-WAY COAXIAL MARINE SPEAKERS

Subwoofer Basics
- Size: 5.25"
- Total Power: 150 Watts

Performance
- Frequency Response: 80 Hz to 20 kHz
- Total Power: 150 Watts
- Impedance: 4 Ohms
- SPL (1 Watt / 1 Meter): 89 dB

Voice Coil & Cone
- Voice Coil Material: 3/4" Aluminum
- Basket Structure: Plastic
- Cone Material: Poly Injection
- Number of Magnets: 1

Components
- Number of Tweeters: 1
- Tweeter 1: Size: 1"; Material: Mylar Dome

Dimensions: 3.25" x 6.25" x 6.25"
Mounting Depth: 2-1/8"
White in colour
Sold as Pairs

ORDER NO.	Mfr. No.
988-00050-01	MR50W

MR6W & MR6B
NEW!
180 WATTS 6.5"
DUAL CONE FULL RANGE MARINE SPEAKERS

Subwoofer Basics
- Size: 6.5"
- Total Power: 180 Watts

Performance
- Frequency Response: 85 Hz to 20 kHz, ±3db
- Total Power: 180 Watts
- Impedance: 4 Ohms
- System Sensitivity: (1 Watt / 1 Meter): 89 dB
- Supplied Grill

Dimensions:
Overall Diameter: 7.5"
Mounting Diameter: 5.75"
Mounting Hole Depth: 2-1/8"
Sold as Pairs
7

ORDER NO.	Mfr. No.	Colour
988-00006-01	MR6W	White
988-00006-02	MR6B	Black

For more information see: www.bossaudio.com

MRWT69 - 550 WATTS 4-WAY MARINE WAKETOWER SPEAKER SYSTEM

SOLD INDIVIDUALLY

Subwoofer Basics
- Size: 6" x 9"
- Fully Marinized
- Total Power: 550 Watts
- Type: Enclosure

Performance
- Frequency Response: 40 Hz to 20 kHz
- Total Power: 550 Watts
- Impedance: 4 Ohms
- SPL (1 Watt / 1 Meter): 95 dB

Voice Coil & Cone
- Voice Coil Material: 1-1/2" Aluminum
- Basket Structure: Plastic
- Cone Material: Poly Injection
- Number of Magnets: 1

COMPONENTS
- Number of Tweeters: 2
- Midrange: Size: 2.5", Material: Mylar Dome
- Tweeter 1: Size: 1"; Material: Mylar Dome
- Tweeter 2: Size: 1"; Material: Mylar Dome

Dimensions: 9.25" x 12.50" x 11.63"
Mounting Bracket: 2-3" diameter

ORDER NO.	Mfr. No.
988-00069-00	MRWT69 Black

2-WAY AMPLIFIED MARINE GRADE ROLL CAGE/WAKETOWER SPEAKER PODS BLUETOOTH® CONTROLLER & BUILT-IN AMPLIFIER B62ABT / B82ABT

988-06200

FEATURES: - BLACK
- All-Terrain System
- IPX5-Rated (Waterproof/Dustproof)
- Full-Range Class D Amplifier
- 6.5" High Power Speakers plus 1" Dome Tweeters
- **Compatible w/Audio Output of iPod®/iPhone® Smartphones, & MP3 Players**
- Swivel Clamp System (1-1/2"-3" OD)
- Low Battery Shut Off
- Zero Standby Current Draw
- Mounting Bracket: 1-1/2" - 3" diameter
- Fully Marinized
- Engineered in the USA

WIRED BLUETOOTH® MFC FEATURES
- **BLUETOOTH®** v4.0 w/Simple Pairing
- **BLUETOOTH®** AUDIO & CONTROL (A2DP & AVRCP) Stream & Control your Favorite Music APPs
- IPX5-Rated (Waterproof/Dustproof)
- Aux-In
- Illuminated Soft Touch Controls

ORDER NO.	Mfr. No.	Power Handling (MAX)	Subwoofer	Frequency Response	System Impedance
988-06200	B62ABT (1 Pair)	750 W	6.5"	65 Hz - 20 kHz	4 Ω
988-08200	B82ABT (1 Pair)	850 W	8"	45 Hz - 20 kHz	4 Ω

PODCBL

Connect & control select Boss Audio Systems Power Pods (B82ABT, B64ABT, B62ABT & the BM40AMPT) to Boss Audio System products that have an audio output including soundbars & source units.

ORDER NO. 988-00001-00
Mfr. No. PODCBL

MARINE AMPLIFIERS

MR1200PA, MR1000 & MR800 amplifiers are fully marinized and feature a unique rubber door, which tightly seals all control panel openings when not in use. They also use in-line weatherproof connectors for all input and output connections, which are run through grommeted openings in end panels. MR1200PA is designed with a built-in PA system, so wake tower speakers or other stereo speakers can be used to make announcements. When you key the microphone the audio source is muted and your voice comes out over the speakers.

MODELS	Public Address System with Microphone MR1200PA	MR1000	MR800
ORDER NO.	**988-01200-00**	**988-01000-00**	**988-08000-02**
Performance Specs			
Total Power Output	1200 Watts	1000 Watts	800 Watts
Peak Power @ 2 Ω	300 Watts x 4	250 Watts x 4	400 Watts x 2
Bridged Power @ 4 Ω	600 Watts x 2	500 Watts x 2	800 Watts x 1
RPS Power @ 4 Ω	150 Watts x 4	100 Watts x 4	125 Watts x 2
Speaker Impedance	2-8 Ω	2-8 Ω	2-8 Ω
T.H.D. (Total Harmonic Distortion)	0.01%	0.01%	0.01%
Channel Separation ≥	90 dB	90 dB	90 dB
S/N Ratio (A-Weighted)	90 dB	102 dB	102 dB
Frequency Response	6 Hz to 50 kHz±1 dB	6 Hz to 50 kHz±1 dB	6 Hz to 50 kHz±1 dB
Connections, Controls, & Processing			
RCA Inputs	4 Channel	4 Channel	2 Channel
High Level Inputs	✓	✓	✓
Low Pass Filter	40 Hz to 150 Hz	40 Hz to 150 Hz	40 Hz to 150 Hz
High Pass Filter	Fixed Hz 200 Hz	Fixed Hz 200 Hz	Fixed Hz 200 Hz
Bass Boost	Variable 0 to 18 dB	Variable 0 to 18 dB	Variable 0 to 18 dB
Remote Subwoofer Control	✓	✓	✓
Input Sensitivity Switch	✓	✓	✓
Input Mode Switch	✓		
Thermal/Overload/Short Protection	✓	✓	
Measurement			
Dimensions: L x W x H	12-3/4" x 7-3/8" x 2-1/4"	12-3/4" x 7-3/8" x 2-1/4"	8-3/4" x 7-1/4" x 2-1/4"

MR1004 400 WATTS MAX POWER 4-CHANNEL POWER AMPLIFIER

General Specs
- Amp Topology: Full Range, Class A/B
- Channel Configuration: 4 Channel

Performance Specs
- Total Power Output: 400 Watts
- Peak Power @ 2 Ohms: 100 Watts x 4
- Peak Power @ 4 Ohms: 50 Watts x 4
- RMS Power @ 2 ohms: 75 Watts x 4
- RMS Power @ 4 ohms: 38 Watts x 4
- THD (Total Harmonic Distortion) 0.01%
- S/N Ratio (A-Weighted): 90db
- Speaker Impedance: 2 to 8 Ohms
- Channel Separation ≥: 60db
- Frequency Response: 12Hz to 22kHz ±1 db

Connections, Controls, & Processing
- RCA Inputs: 4 Channel
- High Level Inputs: Yes
- Thermal/Overload/Short Protection: Yes

Extra Features
- Weather Proof - Marinized
- Dimensions: 2"H x 7-3/4"L x 9"W

ORDER NO.	Mfr. No.
988-01040-00	MR1004

For more information see: www.bossaudio.com

MC900B
BLUETOOTH 500 WATTS 4 CHANNEL FULL RANGE, CLASS A/B AMPLIFIER

- Weather Proof 500W Max Power
- Amp Topology: Full Range, Class A/B
- 4 Channel Micro Amplifier, Low Level, Aux Inputs, RCA Pre-amp Outputs
- USB Charging, Aux, Low Level Inputs, RCA Pre-amp Outputs
- Bluetooth Audio Streaming - Play and control music and APPs wirelessly (Spotify/Pandora
- Includes Inline Multi-Function Remote Controller

DIMENSIONS:
7-48"L x 5.22W x 1.65"H

MC900B

ORDER NO.	Mfr. No.
988-00900-00	MC900B Amplifier ONLY

ASK902B.6
BLUETOOTH 500 WATTS AMPLIFIER & SPEAKER SYSTEM

Package Includes:
MC900B 500 Watts Max Power All-Terrain Amplifier System,
MR6W - 6.5" Speakers (1 Pair)
MUSB35 (Universal USB/3.5 MM Auxiliary Interface Mount
WP10 - Waterproof Phone Pouch

BLUETOOTH® - ENABLED
500 WATTS MAX POWER ALL-TERRAIN AMPLIFIER SYSTEM
- Featuring Multi-Function Remote Controller
  7-3/4" (L) X 3-3/4" (W) x 1-11/16
- Bluetooth® Audio Streaming
  (Stream and control your favourite Music APPs)
- 4 Channel Full Range Amplifier
- Easy Pairing with Auto Re-connect
- Weather Resistant
- For all 12 Volt Applications
- Compatible with Audio Output of iPod/iPhone, Smartphones, and MP3 Players
  1 pair Pre-Amp Outputs

180 WATTS MAX POWER 6.5" 2-WAY MARINE LOUDSPEAKER
- Poly Injection Cone
- Dual Cone
- Aluminum Voice Coil

UNIVERSAL USB/3.5MM AUXILIARY INTERFACE MOUNT
- Use with any Radio with Rear USB/RCA Inputs
- Dustproof, Water Resistant Rubber Cover
- UV Resistant
- USB/RCA 10 FT. (3M) Pass through Extension Cable
- 1-1/2" Through Hole Mount - Requires 1-1/8" (29mm) Cutout

ASK902B.6

Phone shown not included

ORDER NO.	Mfr. No.
988-00902-06	ASK902B.6

BOSS AUDIO SYSTEMS

ASK904B.64
BLUETOOTH 500 WATTS AMPLIFIER & SPEAKER SYSTEM

Package Includes:
MC900B 500 Watts Max Power All-Terrain Amplifier System,
MR6W - 6.5" Speakers (2 Pair)
MUSB35 (Universal USB/3.5 MM Auxiliary Interface Mount
WP10 - Waterproof Phone Pouch

BLUETOOTH® - ENABLED
500 WATTS MAX POWER ALL-TERRAIN AMPLIFIER SYSTEM
- Featuring Multi-Function Remote Controller
  7-3/4" (L) X 3-3/4" (W) x 1-11/16
- Bluetooth® Audio Streaming
  (Stream and control your favourite Music APPs)
- 4 Channel Full Range Amplifier
- Easy Pairing with Auto Re-connect
- Weather Resistant
- For all 12 Volt Applications
- Compatible with Audio Output of iPod/iPhone, Smartphones, and MP3 Players
  1 pair Pre-Amp Outputs

180 WATTS MAX POWER 6.5" 2-WAY MARINE LOUDSPEAKER
- Poly Injection Cone
- Dual Cone
- Aluminum Voice Coil

UNIVERSAL USB/3.5MM AUXILIARY INTERFACE MOUNT
- Use with any Radio with Rear USB/RCA Inputs
- Dustproof, Water Resistant Rubber Cover
- UV Resistant
- USB/RCA 10 FT. (3M) Pass through Extension Cable
- 1-1/2" Through Hole Mount - Requires 1-1/8" (29mm) Cutout

ASK904B.64

Phone shown not included

ORDER NO.	Mfr. No.
988-00904-64	ASK904B.64

@ Have a Technical Question?

Contact our Technical Support Staff
email: techsupport@ccmarine.ca

MR4.3W
4" – 3-WAY INDOOR/OUTDOOR BOX SPEAKER 200 Watts (White)

SPECIFICATIONS:
- Total Power: 200 Watts
- System Impedance: 4 Ohms
- Frequency Response: 80 Hz to 18 kHz
- Sensitivity @ 1W/1 m: 85dB

Components
- Number of Tweeters: 2
- Tweeter Size: (2) 1" Material: Mylar Dome

Mounting Options
- Swivel Bracket

Mfr. No. MR4.3W
ORDER NO. 988-00043-00

Sold in pairs

TUBE SPEAKER
BLUETOOTH® PORTABLE SPEAKER SYSTEM

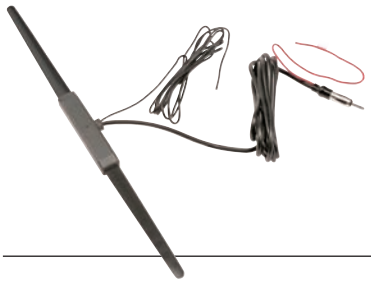
FEATURES:
- IPX5
- Bluetooth® Audio Streaming
- SD and USB Ports included
- FM Tuner
- Track, Volume and Station Controls

Dimensions:
11.25" (285.8 mm) x 4.6" (117.5 mm)

- Rechargeable Li-Ion Battery
- Cigarette Lighter Adapter for Charging
- Soft Touch Controls
- Blue LED Illumination w/Music Sync
- Adjustable Shoulder Strap included

Mfr. No. TUBE
ORDER NO. 988-25413

For more information see:
www.bossaudio.com



AN150SR AMPLIFIED AM/FM RADIO ANTENNA

Antenna mounts easily using adhesive foam strips and works great in marine applications. Includes 7 ft cable along with 6 milliamps @12V DC of power when unit is on.
Dimensions: 14-1/2" W x 7/8"H x 3/4"D

ORDER NO. 030-00130
Mfr. No. AN150SR

AN110 TOP MOUNT AM/FM ANTENNA

- Features 5-Section, disappearing, locking/unlocking antenna
- 39" mast with 48" of cable
- Removable rubber cap for locking or non-locking application
- Key provided
- Adjustable 35 degree angle.

ORDER NO. 030-00110
Mfr. No. AN110

TOP/SIDE MOUNT AM/FM RUBBER MAST ANTENNA

Features 10" rubber mast with 60" cable.
Antenna adjusts to 90 degree angle. Surface mount angle installations of 0, 8 and 16 degrees.

ORDER NO. 211-81067 Mfr. No. 1181067

DIPOLE ANTENNA

This universal wire antenna plugs right into your factory or aftermarket stereo. It delivers a strong, static-free signal and, thanks to its slim, hideaway design, it won't hog space.

- 6ft. Soft Wire Antenna
- Works with any stereo

ORDER NO. 688-309819 Mfr. No. 8309819

POWER760 4 CHANNEL AMPLIFIER

- Max power output: 760 Watts
- Designed to meet CEA-2006 test standards
- High current bi-polar output transistors
- Compact design allows great flexibility in mounting
- Built-in low-pass & high-pass crossover filters for bi-amplifying
- Channel mode selector switch - 4, 3 and 2 channel
- Full-range option
- Variable bass EQ 0~12 dB at 45 Hz
- Pass-thru RCA's
- Green operation and red protection LED's
- Protection circuit that safeguards against short circuits, DC-offset & thermal overload
- Overall Dimensions: 9"W x 2.5"H x 12.5"L

ORDER NO. 688-76000 Mfr. No. POWER760

AUXILIARY AUDIO INPUT JACK

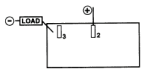
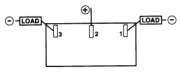
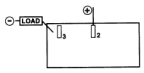
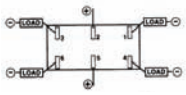
- 1/8" Auxiliary input jack
- Includes 9 ft. RCA cable
- Includes 3 ft. connection cable for iPod/MP3 Player
- For increased stability, use a pod cradle
- Compatible with all Jensen stereos with auxiliary input
- Graphite Grey in color

ORDER NO. 688-12839 Mfr. No. JPORTG

For more information see: www.asaelectronics.com

STANDARD WEATHER RESISTANT CONTURA® V ROCKER SWITCHES

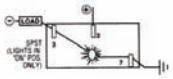
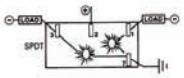
- Non-corrosive plastic construction
- Protects against dust and prolonged spray to IP66 and IP68 standards
- Meets UL 1500, ISO 8846 ignition protection requirements
- Supplied with neoprene mounting gasket
- Removable actuators
- Brass blade terminals, silver contacts - Rated: 20 amps @12 VDC

Diagram	Switch Function	Mfr. No.	ORDER NO.
	ON-OFF SPST	RK19210	051-19210
	ON-OFF-ON SPDT	RK19220	051-19220
	MOM ON-OFF SPST	RK19230	051-19230
	MOM ON-OFF-MOM ON DPDT	RK19240	051-19240

MFR. NO. RK22180
ORDER NO. 051-22180
ACTUATOR
BLACK CONTURA V
(2EA)

ILLUMINATED WEATHER RESISTANT CONTURA® V ROCKER SWITCHES

- Non-corrosive plastic construction
- Protects against dust and prolonged spray to IP66 and IP68 standards
- Meets UL 1500, ISO 8846 ignition protection requirements
- Supplied with neoprene mounting gasket
- Illuminates red in "ON" position
- Removable actuators
- Brass blade terminals, silver contacts - Rated: 20 amps @12 VDC

Diagram	Switch Function	Mfr. No.	ORDER NO.
	ON-OFF SPST	RK19310	051-19310
	ON-OFF-ON SPDT	RK19320	051-19320

MFR. NO. RK22190
ORDER NO. 051-22190
ACTUATOR
BLACK CONTURA V
WITH LENS (2EA)

MFR. NO. RK22200
ORDER NO. 051-22200
ACTUATOR
BLACK CONTURA V
WITH 2 LENS (2EA)

MFR. NO. RK22290
ORDER NO. 051-22290
ACTUATOR
REMOVAL TOOL

Sierra Marine Engine and Drive Parts

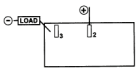
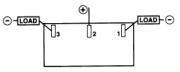
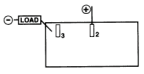
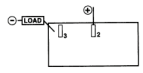
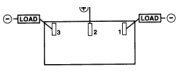
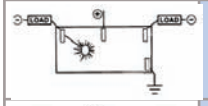
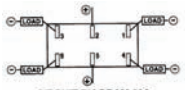
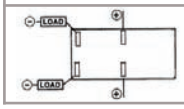
- Non-corrosive plastic construction
- Protects against dust and prolonged spray to IP66 and IP68 standards
- Meets UL 1500, ISO 8846 ignition protection requirements
- Supplied with neoprene mounting gasket
- Removable actuators
- Brass blade terminals, silver contacts - Rated: 20 amps @12 VDC

MFR.NO. RK22100
ORDER NO. 051-22100-RK
ACTUATOR
BLACK CONTURA III
(2EA)

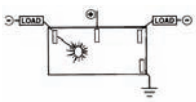
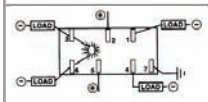
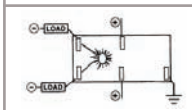
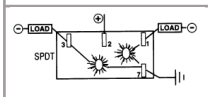
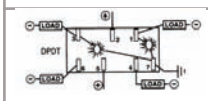
MFR.NO. RK22110
ORDER NO. 051-22110-RK
ACTUATOR
GREY CONTURA III
(2EA)

- Non-corrosive plastic construction
- Protects against dust and prolonged spray to IP66 and IP68 standards
- Meets UL 1500, ISO 8846 ignition protection requirements
- Supplied with neoprene mounting gasket
- Removable actuators
- Brass blade terminals, silver contacts - Rated: 20 amps @12 VDC

STANDARD WEATHER RESISTANT CONTURA® III ROCKER SWITCHES

Diagram	Switch Function	One Paddle Mfr. No.	One Paddle (Black) ORDER NO.	Two Paddles (Grey & Black) Mfr. No.	Two Paddles (Grey & Black) ORDER NO.
	ON-OFF SPST	RK19680	051-19680	RK19680TP	051-19680TP
	ON-OFF-ON SPDT	RK19690	051-19690-RS	RK19690TP	051-19690TP
	OFF-ON SPST		NEW!	RK19700TP	051-19700TP
	MOM ON-OFF SPST			RK19710TP	051-19710TP
	MOM ON-OFF-MOM ON SPDT			RK19750TP	051-19750TP
	MOM ON-OFF-ON SPDT	RK19780	051-19780	NEW!	
	MOM ON-OFF-MOM ON DPDT			RK19850TP	051-19850TP
	MOM ON-OFF DPST			RK19870TP	051-19870TP

ILLUMINATED WEATHER RESISTANT CONTURA® III ROCKER SWITCHES

Diagram	Switch Function	One Paddle Mfr. No.	ORDER NO.	Two Paddles (Grey & Black) Mfr. No.	ORDER NO.
	MOM ON-OFF-ON SPDT			RK19770TP	051-19770TP
	MOM ON-OFF-ON DPDT			RK19810TP	051-19810TP
	OFF-ON DPST			RK19890TP	051-19890TP
	ON-OFF-ON SPDT			RK19730TP	051-19730TP
	ON-OFF-ON DPDT			RK19830TP	051-19830TP

MFR. NO. RK22120
ORDER NO. 051-22120
ACTUATOR
BLACK CONTURA III
WITH LENS (2EA)

MFR. NO. RK22130
ORDER NO. 051-22130
ACTUATOR
GREY CONTURA III
WITH LENS (2EA)

MFR. NO. RK22140
ORDER NO. 051-22140
ACTUATOR
BLACK CONTURA III
WITH 2 LENSES (2EA)

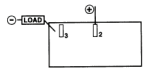
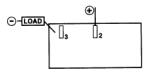
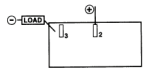
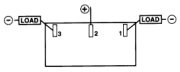
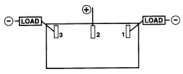
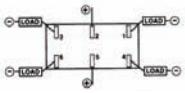
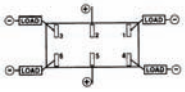
MFR. NO. RK22150
ORDER NO. 051-22150
ACTUATOR
GREY CONTURA III
WITH 2 LENSES (2EA)

For more information see:
www.catalog.sierraparts.com

ROCKER SWITCHES

STANDARD WEATHER RESISTANT CONTURA® II ROCKER SWITCHES

- Protects against dust and prolonged spray to IP66 and IP68 standards
- Supplied with neoprene mounting gasket
- Removable actuators
- Brass blade terminals, silver contacts - Rated: 20 amps @12 VDC

Diagram	Switch Function	Mfr. No.	ORDER NO.
	OFF-ON SPST	RK19400-1	051-19400-1
	OFF-MOM ON SPST	RK19410-1	051-19410-1
	OFF-MOM ON SPST	RK19410-RED Red actuator -for horn	051-19411
	ON-OFF-ON SPDT	RK19420-1	051-19420-1
	MOM ON-OFF-MOM ON SPDT	RK19430-1	051-19430-1
	MOM ON-OFF-MOM ON DPDT	RK19480-1	051-19480-1
	ON-OFF-ON DPDT	RK19490-1	051-19490-1

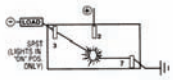
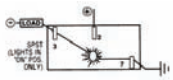
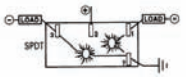
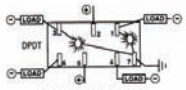
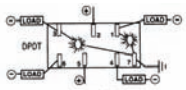
Mfr. No. RK22170
ORDER NO. 051-22170
ACTUATOR
RED CONTURA II
(2EA)

Mfr. No. RK22160
ORDER NO. 051-22160
ACTUATOR
BLACK CONTURA II
(2EA)

ILLUMINATED WEATHER RESISTANT CONTURA® II ROCKER SWITCHES

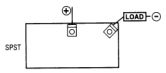
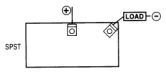
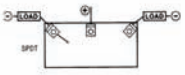
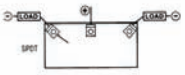
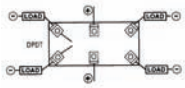
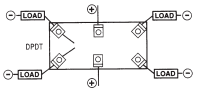
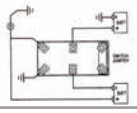
- Non-corrosive plastic construction
- Removable actuators
- Brass blade terminals, silver contacts
- Rated: 20 amps @12 VDC

For more information see:
www.catalog.sierraparts.com

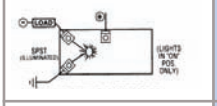
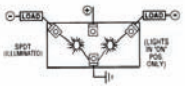
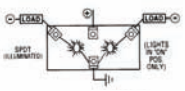
Diagram	Switch Function	Mfr. No.	ORDER NO.
	OFF-ON SPST	RK19440-1	051-19440-1
	MOM ON - OFF SPST	RK19450-1	051-19450-1
	ON-OFF-ON SPDT	RK19460-1	051-19460-1
	ON-OFF-ON DPDT	RK19540-1	051-19540-1
	MOM ON-OFF-MOM ON DPDT	RK19550-1	051-19550-1

STANDARD ROCKER SWITCHES - WITH BLACK ACTUATORS

- Non-corrosive plastic construction
- Black actuators w/ black face plate
- Silver contacts
- Brass blade terminals
- Rated: 20 amps @12 VDC

Diagram	Switch Function	Mfr. No.	ORDER NO.
	ON-OFF SPST	RK40140	051-40141
	MOM ON - OFF SPST	RK40150	051-40151
	ON-OFF-ON SPDT	RK40170	051-40171
	MOM ON-OFF-MOM ON SPDT	RK40350	051-40351
	MOM ON-OFF-MOM ON DPDT	RK40470	051-40471
	ON-OFF-ON DPDT	RK40480	051-40481
	ON(1)-OFF-ON(1&2) DPDT	RK19570	051-19570

ILLUMINATED ROCKER SWITCHES

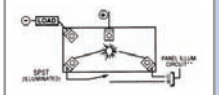
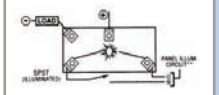
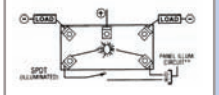
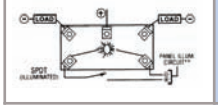
Diagram	Switch Function	Mfr. No.	ORDER NO.
	ON-OFF SPST	RK40100	051-40101
	ON-OFF-ON SPDT	RK40110	051-40111
	MOM ON - OFF SPST	RK40120	051-40121
	MOM ON-OFF-MOM ON SPDT	RK40130	051-40131

- Dependent pilot light - illuminates in "on" position
- Non-corrosive plastic construction
- Silver contacts
- Brass blade terminals
- Rated: 20 amps @ 12 VDC

ROCKER SWITCHES

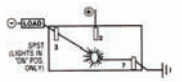
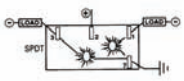
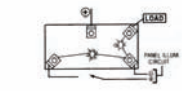
ILLUMINATED ROCKER SWITCHES - SOFT SPOT LIGHT

- Independent pilot light - illuminates when panel lights ON
- Illuminates white when panel lights are ON, changes to red when switch is ON
- Soft spotlight helps preserve night vision
- Non-corrosive plastic construction
- Silver contacts
- Brass blade terminals
- Rated: 20 amps @ 12 VDC

Diagram	Switch Function	Mfr.No.	ORDER NO.
	ON-OFF SPST	RK40370	051-40371
	MOM ON - OFF SPST	RK40380	051-40380
	ON-OFF-ON SPDT	RK40390	051-40391
	MOM ON-OFF-MOM ON SPDT	RK40400	051-40400

WEATHER RESISTANT ILLUMINATED ROCKER SWITCHES

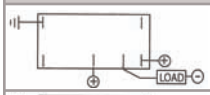
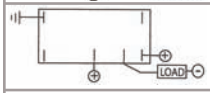
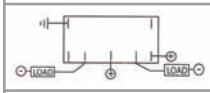
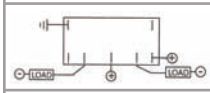
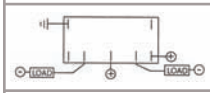
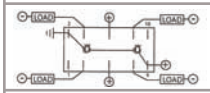
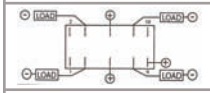
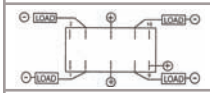
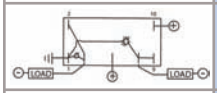
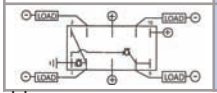
- Certified to IP 66 and IP 68 - protected against dust, prolonged spray and submersion
- Supplied with neoprene mounting gasket
- Removable actuators
- Brass blade terminals, silver contacts
- Snap in lens of choice (Amber, Clear, Green, Red)
- Rated: 20 amps @12 VDC

Diagram	Switch Function	Mfr.No.	ORDER NO.	Kit Details
	OFF-ON SPST	RK19500K	051-19501	Dependent pilot light - illuminates in “on” position **Includes 1 lens of each color**
	OFF-ON SPST	RK19510K	051-19511	Independent pilot light - illuminates when panel light is turned “on” **Includes 1 lens of each color**
	ON-OFF-ON SPDT	RK19520K	051-19521	Dependent pilot lights - each light illuminates in “on” position **Includes 2 lenses of each color**
	OFF-ON SPST	RK19530K	051-19531	One dependent pilot light - illuminates in “on” position. One independent pilot light - Illuminates when panel lights “on” **Includes 2 lenses of each color**

HALO ROCKER SWITCHES

- Perimeter Illuminated for unique & stylish look independent illumination of rocker actuator
- IP68 sealed rocker switch
- Switch rated up to 20A at 12VDC
- Fit industry standard panel cutout
- Dedicated TE connector for use with .110 terminals

NEW!

Diagram	Switch Function	Halo Colour	Mfr.No.	ORDER NO.
	ON-OFF SPST	Blue Halo Green Halo	RK40610B** RK40610G**	051-40610B 051-40610G
	(ON-OFF) SPST	Blue Halo Green Halo	RK40620B** RK40620G**	051-40620B 051-40620G
	ON-ON SPST	Blue Halo Green Halo	RK40630B** RK40630G**	051-40630B 051-40630G
	ON-OFF-ON SPDT	Blue Halo Green Halo	RK40640B** RK40640G**	051-40640B 051-40640G
	ON-OFF DPST	Blue Halo Green Halo	RK40650B** RK40650G**	051-40650B 051-40650G
	ON-ON DPST	Blue Halo Green Halo	RK40660B** RK40660G**	051-40660B 051-40660G
	ON-OFF-ON DPDT	Blue Halo Green Halo	RK40670B** RK40670G**	051-40670B 051-40670G
	(ON)-OFF-(ON) DPDT	Blue Halo Green Halo	RK40680B** RK40680G**	051-40680B 051-40680G
	ON-OFF-ON SPDT	**Dependent** Blue Halo Green Halo	RK40690B** RK40690G**	051-40690B 051-40690G
	ON-OFF-ON DPDT	**Dependent** Blue Halo Green Halo	RK40700B** RK40700G**	051-40700B 051-40700G

** *Display Packaged*

For more information see:
www.catalog.sierraparts.com

SATIN CHROME TIP TOGGLE SWITCHES

- Satin Chrome Handle with matching retaining ring
- Lights through tip of handle
- Non-corrosive plastic construction
- Illuminates white when panel lights are ON, changes to red when switch is ON
- Brass blade terminals, silver contacts
- 15/32" L X 13/32"-32 mounting stem
- Rated: 20 Amp @ 12 VDC

Mfr.No. TG23000
TOGGLE SWITCH
ORDER NO. 051-23000
ON-OFF SPST

Mfr.No. TG23010
TOGGLE SWITCH
ORDER NO. 051-23010
ON-OFF-ON SPDT

Mfr.No. TG23020
TOGGLE SWITCH
ORDER NO. 051-23020
ON-OFF-ON DPDT

Mfr.No. TG23040
TOGGLE SWITCH
ORDER NO. 051-23040
(ON)-OFF-(ON) SPDT

Mfr.No. TG23030
TOGGLE SWITCH
ORDER NO. 051-23030
(ON)-OFF SPST

Mfr.No. TG23050
TOGGLE SWITCH
ORDER NO. 051-23050
(ON)-OFF-(ON) DPDT

WEATHER RESISTANT TOGGLE SWITCHES

- Heavy duty all brass construction
- Chrome plated bat handle
- 3/8" L x 7/16"-28 mounting stem
- 2 screw terminals
- Rated: 20 Amps @ 12 VDC

Mfr.No. TG40000
ORDER NO. 051-40000
ON-OFF SPST

- Heavy duty toggle switch
- Chrome plated bat handle
- 15/32" L x 15/32"-32 mounting stem
- Two 6" wire leads
- Rated: 35 Amps @ 12 VDC
- Rated: 6 Amps @ 125 VAC

Mfr.No. TG21050-1
ORDER NO. 051-210501
ON-OFF SPST

TOGGLE SWITCH ACCESSORIES

- For illuminated toggle switches (except Duckbill)
- 1/2" boot seals out moisture yet allows illumination to show

Mfr.No. MP39220
ORDER NO. 051-39221
WEATHER PROOF BOOT NUT

- For standard toggles w/ 15/32" mounting stem
- Completely covers toggle handle
- Seals out moisture & dirt
- For toggle handles up to 1 1/4" long

Mfr.No. MP39240-1
ORDER NO. 051-39240-1
WEATHER PROOF BOOT NUT (BLACK)

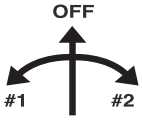
ROTOSWITCH® ROTARY SWITCHES

ROTOSWITCH® ROTARY SWITCH - ON-OFF-ON

- Unique ergonomic design, styling and performance
- 20 AMP @ 12 Volts DC
- Durable cam design for long life
- UV stabilized thermoplastic housing
- Knob acts as umbrella - Silicone lip seal mates with stalk
- Separate light modules optional
- Replaces toggle or rocker switches with minimal panel alterations
- 1/2" hole size

Rated: 20 amps @ 12 VDC
Mfr. No. MP78730
ORDER NO. 051-78730

RotoSwitch® provides illumination with different colors providing immediate visual information of switch position.

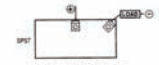
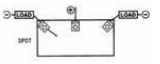
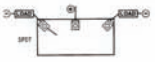
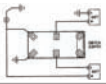


MFR. NO.	NUMBER OF BATTERY FEEDS	CIRCUITS "ON"			
		45° COUNTER CLOCKWISE	12 O'CLOCK	45° CLOCKWISE	90° CLOCKWISE
MP78730	1	#1	OFF	#2	—

Sierra
Marine Engine and Drive Parts

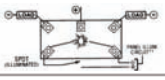
STANDARD TOGGLE SWITCHES

- Non-corrosive plastic construction
- Brass blade terminals, silver contacts
- 15/32" L x 15/32"-32 mounting stem
- Rated: 20 amps @12 VDC or 25 amps @ 12 VDC

Diagram	Switch Function	Mfr.No.	ORDER NO.
	ON-OFF SPST	TG40020-1	051-40020-1
	MOM ON-OFF SPST	TG40030-1	051-40030-1
	ON-OFF-ON SPDT	TG40040-1	051-40040-1
	MOM ON-OFF-MOM ON SPDT	TG40050-1	051-40050-1
	ON-OFF-MOM ON SPDT	TG40160-1	051-40160-1
	ON-OFF-ON DPDT	TG40450-1	051-40450-1
	MOM ON-OFF-MOM ON DPDT	TG40460-1	051-40460-1
	ON(1)-OFF-ON(1&2) DPDT	TG40490	051-40490

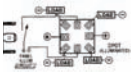
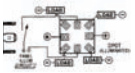
ILLUMINATED TOGGLE SWITCHES

- Non-corrosive plastic construction
- Illuminates white when panel lights are ON, changes to red when switch is ON
- Brass blade terminals, silver contacts
- 15/32" L x 15/32" -32 mounting stem
- Rated: 20 amps @12 VDC

Diagram	Switch Function	Mfr.No.	ORDER NO.
	ON-OFF SPST	TG40060	051-40061
	ON-OFF-ON SPDT	TG40070	051-40071
	MOM ON-OFF SPST	TG40080	051-40081
	MOM ON-OFF-MOM ON SPDT	TG40090	051-40091

TIP LIT TOGGLE SWITCHES

- Lights through tip of handle
- Non-corrosive plastic construction
- Illuminates white when panel lights are ON, changes to red when switch is ON
- Brass blade terminals, silver contacts
- 15/32" L x 15/32"-32 mounting stem
- Rated: 20 amps @12 VDC

Diagram	Switch Function	Mfr.No.	ORDER NO.
	ON-OFF SPST	TG40300	051-40301
	MOM ON-OFF SPST	TG40310	051-40310
	ON-OFF-ON SPDT	TG40320	051-40321
	MOM ON-OFF-MOM ON SPDT	TG40330	051-40331
	ON-OFF-MOM ON SPDT	TG40340	051-40340
	ON-OFF-ON DPDT	TG19520	051-19520
	MOM ON-OFF-MOM ON DPDT	TG19530	051-19530

Sierra Marine Engine and Drive Parts

HEAVY DUTY PUSH BUTTON SWITCHES

MOMENTARY ON-OFF SPST

- Corrosion resistant plastic construction
- 1-7/16"L x 5/8" mounting stem
- 2 boss screw terminals
- Rated: 30 Amp @ 12 VDC
- Display packaged

Mfr.No. MP39160
ORDER NO. 051-39161
with rubber boot nut

BRASS PUSH BUTTON SWITCHES

MOMENTARY ON-OFF SPST

- Solid brass construction
- For starter, horn or other functions
- 1-1/4"L x 5/8" mounting stem
- 2 screw terminals
- Rated: 20 amp @ 12 VDC
- Display packaged

Mfr.No. MP39310
ORDER NO. 051-39310
with chrome plated brass
face nut and button

MOMENTARY ON-OFF SPST

- Solid brass construction
- For starter, horn or other functions
- 1-1/4"L x 5/8" mounting stem
- 2 screw terminals
- Rated: 20 amp @ 12 VDC
- Display packaged

Mfr.No. MP39320
ORDER NO. 051-39320
with rubber boot nut

NEW!

COMPACT PUSH BUTTON SWITCHES

MOMENTARY ON-OFF SPST

- Contoured plastic button
- Chrome plated brass mounting stem
- 1/2" Mounting hole
- 2 brass blade terminals
- Rated 15 amp @ 12 VDC
- Display packaged

Mfr.No. MP39680
ORDER NO. 051-39680
Black Button

Mfr.No. MP39690
ORDER NO. 051-39690
Red Button

For more information see:
www.catalog.sierraparts.com

PERKO® MADE IN THE USA

TOGGLE SWITCH

Single pole, single throw (off - on).
Rated for 6 Amps at 12, 24 & 32 volts
Nickel-plated brass toggle with
chrome-plated face nut.
Max. Thickness of Panel: 5/16" / Dia. Neck: 7/16"

Mfr. No. 514DP
ORDER NO. 621-05140

For more information see: www.perko.com

WEATHER RESISTANT PUSH PULL SWITCHES

Mfr.No. MP39380
ORDER NO. 051-39380
OFF-ON SPST

- Solid brass construction
- Gasket sealed case
- 3/8" mounting bushing
- 2 screw terminals
- 3/4" chrome plated brass knob
- For panels up to 1" thick
- Rated: 15 amp @ 12 VDC
- Display packaged

HEAVY DUTY MARINE PUSH PULL SWITCHES

- Pull for ON
- Solid brass construction
- 3/8" mounting bushing
- 2 screw terminals
- For panels up to 1" thick
- Chrome plated plastic knob
- Rated: 15 amp @ 12 VDC
- Display packaged

Mfr.No. MP39520
ORDER NO. 051-39521
OFF-ON SPST

- Pull for ON
- Solid brass construction
- 3/8" mounting bushing
- 2 screw terminals
- For panels up to 1" thick
- Chrome plated solid brass knob
- Rated: 15 amp @ 12 VDC
- Display packaged

Mfr.No. MP39530
ORDER NO. 051-39530
ON-OFF SPST

- First pull energizes #1
- Second pull energizes both circuits
- Solid brass construction
- 3/8" mounting bushing
- 3 screw terminals
- For panels up to 1" thick
- Chrome finish plastic knob
- Rated: 15 amp @ 12 VDC
- Display packaged

Mfr.No. MP39570
ORDER NO. 051-39571
OFF-ON(1)-ON(1&2) SPST

- First pull energizes #1
- Second pull energizes both circuits
- Solid brass construction
- 3/8" mounting bushing
- 3 screw terminals
- For panels up to 1" thick
- Chrome plated solid brass knob
- Rated: 15 amp @ 12 VDC
- Display packaged

Mfr.No. MP39580
ORDER NO. 051-39580
OFF-ON(1)-ON(1&2) SPST

- First pull energizes #1
- Second pull energizes two separate circuits
- For anchor/running lights or similar function
- Solid brass construction
- 3/8" mounting bushing
- 4 screw terminals
- For panels up to 1" thick
- Chrome finish plastic knob
- Rated: 15 amp @ 12 VDC
- Display packaged

Mfr.No. MP39610
ORDER NO. 051-39610
OFF-ON(1)-ON(2&3) SPST

WATER-RESISTANT CONTURA SWITCHES

Specifically manufactured for use in Blue Sea Systems Contura Water Resistant Panels
Use of non Blue Sea Systems Contura Switches will not maintain the water resistant ingress protection rating of Blue Sea Systems panels.

Features:

- Vibration, shock, thermoshock, moisture and salt spray resistant
- Mounts in Blue Sea Systems Contura Water Resistant Panels & Contura Switch Mounting Panels.
See page 343 for Water-Resistant Panels
- Amperage Max. Operating: 20A @ 12V DC, 15A @ 24V DC
- Amperage Operating Current: 18 Milliamps
- Lighted: LED rated 100,000 hours half-life
- Seals: Internal & external gasket panel seal
- Temperature Rating: -40˚C to 85˚C
- Mounting Hole: 1.45 in x 0.83 in (36.83 mm x 21.08 mm)

NEW!

Regulatory

CE marked
Meets UL 1500 & ISO 8846 external ignition protection requirements

IGNITION PROTECTED

ORDER NO.	Mfr. No.	Actuator Position to Light LED	Pole/Throw	Action	LED's
738-79290	7929-BSS	On	SPST	Off-On	1
738-79300	7930-BSS	--	SPST	Off-(On)	0
738-79310	7931-BSS	On	SPDT	On-Off-On	2
738-79320	7932-BSS	On	SPDT	(On)-Off-On	1
738-79330	7933-BSS	--	SPDT	(On)-Off-(On)	0
738-79340	7934-BSS	On	DPST	Off-On	1
738-79350	7935-BSS	--	DPST	Off-(On)	0
738-79360	7936-BSS	On	DPDT	On-Off-On	2
738-79370	7937-BSS	On	DPDT	(On)-Off-On	1
738-79380	7938-BSS	--	DPDT	(On)-Off-(On)	0
738-79390	7939-BSS	On	DPDT	On-On	2

( ) = Momentary

REMOTE CONTROL CONTURA SWITCHES

Provides remote switching of ML-Series, SD-Series, and SafetyHub 250

Features:

Vibration, shock, thermoshock, moisture and salt spray resistant

Regulatory

Meets UL 1500 and ISO 8846 external ignition protection requirements
IP67-Protected against immersion up to 1 meter for 30 minutes

738-21550
Lockout slide reduces the risk of accidental switching

738-21450
Lockout slide reduces the risk of accidental switching

738-21460

ORDER NO.	Mfr. No.	Pole/Throw	Action	Used with
738-21550	2155	SPDT	On-On	SafetyHub 250 Fuse Block, SD-Series Solenoid Switches
738-21450	2145	SPDT	(On)-OFF-(On)	ML-Series Solenoids, ML-Series Remote Battery Switches
738-21460	2146	SPDT	On-OFF-On	ML-Series ACRs, SD-Series ACRs

( ) = Momentary

CONTURA SWITCH MOUNTING PANELS

Modular design permits assembly in groups of varying sizes.

- Mounting panels available in 1, 3, & 6 fixed position models
- Designed for mounting in 6 different panel thicknesses:

0.06" (1.57 mm) 0.09" (2.36 mm) 0.13" (3.17 mm)
0.19" (4.75 mm) 0.25" (6.35 mm) 0.38" (9.52 mm)

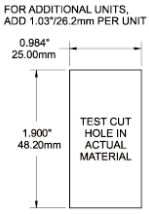
NEW!

8267

8266

8268

ORDER NO.	Mfr. No.	Description	Width Inches (mm)	Height Inches (mm)
738-82670	8267-BSS	End Mounting Panel	1.19 (30.23)	2.30 (58.42)
738-82660	8266-BSS	Center Mounting Panel	1.03 (26.16))	2.30 (58.42)
738-82680	8268-BSS	1 Position Mounting Panel	1.34 (34.04)	2.30 (58.42)
738-82590	8259-BSS	3 Position Mounting Panel	3.40 (86.36)	2.30 (58.42)
738-82600	8260-BSS	6 Position Mounting Panel	6.49 (164.85)	2.30 (58.42)



REMOTE CONTROL SWITCH PANELS

Provides switching of up to three ML-Series Remote Battery Switches or ML-Series Automatic Charging Relays

- Lockout slides reduce the risk of accidental switching and one ML-Series Automatic Charging Relay
- 1147 for use with two ML-Series Switches
- 1148 for use with ML-Series Switches
- Includes labels illustrated only
- Over 500 individual labels available

738-11470

738-11480

ORDER NO.	Mfr. No.	Installed ML-Series Remote Control Switch		Function	
		2145	2146	Battery Banks	ACR
738-11470	1147	2	1	2	1
738-11480	1148	3	-	3	-

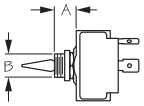
BLUE SEA SYSTEMS

For more information see:
www.bluesea.com

SEA-DOG LINE QUALITY MARINE GEAR

TOGGLE SWITCH
Stamped Brass/Injection Molded Nylon/Polycarbonate

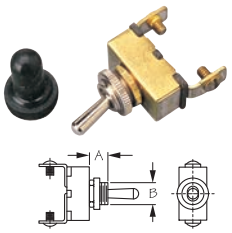
Amp	Volt	A	B
15A	12V	3/8"	1/2"



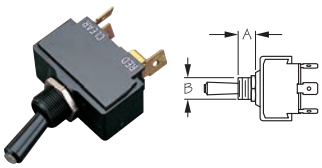
ORDER NO.	Mfr. No.	Circuit	Action
424-20101	420101-1	SPST	On/Off
424-20102	420102-1	SPST	Mom. On/Off
424-20103	420103-1	DPDT	On/Off/On
424-20104	420104-1	DPDT	Mom. On/Off/Mom. On
424-20108	420108-1	SPDT	On/Off/On
424-20109	420109-1	SPDT	Mom. On/Off/Mom. On

TOGGLE SWITCH
Stamped Brass

A= 3/8" **B**= 7/16"
Circuit: SPST
Action: On/Off
Amps: 15
Mfr. No. 420465-1
ORDER NO. 424-20465
Waterproof Boot Only - ORDER NO. 424-20479

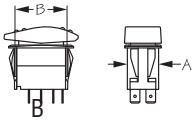


LIGHT TIP TOGGLE SWITCH 12V
Stamped Brass/Injection Molded Nylon/Polycarbonate



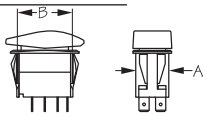
ORDER NO.	Mfr. No.	Circuit	Action	Terminals	Amps	A	B
424-20121(Ea)	420121-1	SPST	On/Off	4 Blades	15 A	3/8"	1/2"
424-20123(Ea)	420123-1	SPDT	On/Off/On	5 Blades	15 A	3/8"	1/2"
424-20128(Ea)	420128-1	DPDT	On/Off/On	8 Blades	15 A	3/8"	1/2"

CONTURA® SWITCH
Stamped Brass/Injection Molded Nylon/Polycarbonate
Ignition protected, water resistant



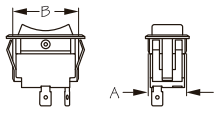
ORDER NO.	Mfr. No.	Circuit	Action	Terminals	Amps	Volts	A	B
424-20201	420201-1	SPST	On/Off	2 Blade	20 A	12 V	13/16"	1-7/16"
424-20203	420203-1	SPDT	On/Off/On	3 Blade	20 A	12 V	13/16"	1-7/16"
424-20204	420204-1	SPDT	Mom. On/Off/Mom.On	3 Blade	20 A	12 V	13/16"	1-7/16"

ILLUMINATING CONTURA® SWITCH
Stamped Brass/Injection Molded Nylon/Polycarbonate
Ignition protected, water resistant



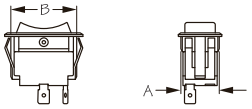
ORDER NO.	Mfr. No.	Circuit	Action	Terminals	Amps	Volts	A	B
424-20211	420211-1	SPST	On/Off	3 Blade	20 A	12 V	13/16"	1-7/16"
424-20212	420212-1	SPST	MOM.On/Off	3 Blade	20 A	12 V	13/16"	1-7/16"
424-20213	420213-1	SPDT	On/Off/On	4 Blade	20 A	12 V	13/16"	1-7/16"
424-20218	420218-1	DPDT	On/Off/On	7 Blade	20 A	12 V	13/16"	1-7/16"
424-20219	420219-1	DPDT	MOM.On/Off/Mom.On	7 Blade	20 A	12 V	13/16"	1-7/16"

LARGE ROCKER SWITCH
Stamped Brass/Injection Molded Nylon/Polycarbonate



ORDER NO.	Mfr. No.	Circuit	Action	Amps	Volts	A	B
424-20241	420241-1	SPST	On/Off	15 A	12 V	7/8"	1-7/16"
424-20248	420248-1	SPDT	On/Off/On	15 A	12 V	7/8"	1-7/16"

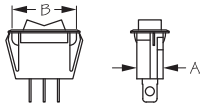
ILLUMINATING ROCKER SWITCH
Stamped Brass/Injection Molded Nylon/Polycarbonate



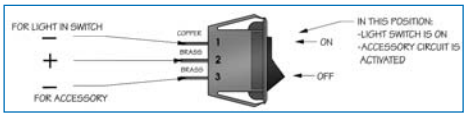
Amp	Volt	A	B
15A	12V	7/8"	1-7/16"

ORDER NO.	Mfr. No.	Circuit	Ation	Lens Color
424-20251	420251-1	SPST	On/Off	Red
424-20253	420253-1	DPDT	On/Off/On	Red/Yellow

ROCKER SWITCH
Stamped Brass/Injection Molded Nylon/Polycarbonate

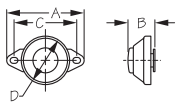


A= 1/2" B = 1-1/8"
Illuminating: Yes



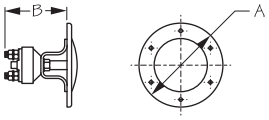
ORDER NO.	Mfr. No.	Amps	Volts	Circuit	Action
424-20441	420441-1	15A	12V	SPST	On/Off

HORN BUTTON
Brass Chrome Plated



ORDER NO.	Mfr. No.	A	B	C	D	Amps	Fastener
424-20429	420429-1	2-9/16"	7/8"	2-1/8"	1-5/8"	12	# 10 RH

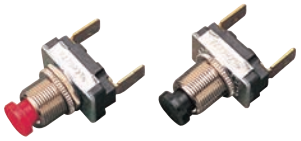
FOOT SWITCH
Stamped 304 Stainless/Rubber Cover



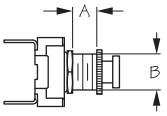
ORDER NO.	Mfr. No.	A	B	Amperage	Fastener
424-20430	420430-1	4-7/16"	3-5/16"	30	# 8 RH

Switch is normally off and momentarily on when depressed by foot.

HORN BUTTON



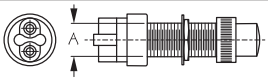
Nylon/Phenolic & Chrome Plated Brass



ORDER NO.	Mfr. No.	A	B	Amps	Colour
424-20415/ ea.	420415-1	5/16"	1/2"	15 A	Red
424-20416/ ea.	420416-1	5/16"	1/2"	15 A	Black

PUSH BUTTON SWITCH WITH CAP

Polypropylene



ORDER NO.	Mfr. No.	Action	A Panel	Max Type	Shaft Type/#	Terminal	Cap
424-20427/ ea.	420427-1	Mom.On/Off	5/8"	1-1/8"	Long	Boss-2	Yes

Switch Display Mfr.No. 916007

ORDER NO. 429-16007

DISPLAY #916007/MARINE SWITCHES - PANEL

The best of the best-selling marine switches. Broad selection of toggle, Contura, rocker, push pull, and kill switches. Packed in convenient, resealable, see-through plastic containers with wiring instructions.

Qty.	ORDER NO	Mfr. No.	Description
2/ea.	424-03060	403060-1	SS Touch Dimmer F/LED Lights w/ON/OFF Feature
2/ea.	424-03063	403063-1	SS Push ON/OFF Switch F/LED Lights Prewired Lead 5A
2/ea.	424-03064	403064-1	SS Push ON/OFF Switch F/LED Lights 25A
2/ea.	424-03066	403066-1	Plastic Motion Switch w/Delay F/LED Lights
2/ea.	424-20101	420101-1	Toggle Switch (SP) ON/OFF
2/ea.	424-20103	420103-1	Toggle Switch (DP) ON/OFF/ON
2/ea.	424-20104	420104-1	Toggle Switch (DP) MOM.ON/OFF/MOM.ON
2/ea.	424-20109	420109-1	Toggle Switch (SP) MOM.ON/OFF/MOM.ON
2/ea.	424-20121	420121-1	Toggle Switch Lit Tip (SP) ON/OFF
2/ea.	424-20123	420123-1	Toggle Switch Lit Tip (SP) ON/OFF/ON
2/ea.	424-20201	420201-1	Contura Switch (SP) ON/OFF
2/ea.	424-20203	420203-1	Contura Switch (SP) ON/OFF/ON
2/ea.	424-20204	420204-1	Contura Switch (SP) MOM.ON/OFF/MOM.ON
2/ea.	424-20211	420211-1	Contura Switch (SP) ON/OFF Illuminated
2/ea.	424-20213	420213-1	Contura Switch (SP) ON/OFF/ON Illuminated
2/ea.	424-20218	420218-1	Contura Switch (DP) ON/OFF/ON Illuminated
2/ea.	424-20219	420219-1	Contura Switch (DP) MOM.ON/OFF/MOM.ON Illuminated
2/ea.	424-20251	420251-1	Rocker Switch (SP) ON/OFF Illuminated
2/ea.	424-20390	420390-1	Brass 2 Position Switch ON/OFF
2/ea.	424-20410	420410-1	Brass 3 Position Switch OFF/ON/ON 1-Circuit
2/ea.	424-20415	420415-1	Horn Button Switch Miniature Red
2/ea.	424-20420	420420-1	Brass Push Button Switch MOM.ON/OFF
2/ea.	424-20429	420429-1	Chrome Brass Horn Switch
2/ea.	424-20441	420441-1	Rocker Switch (sp) ON/OFF
2/ea.	424-20465	420465-1	Brass Toggle Switch (SP) ON/OFF

Ignition Switch Display Mfr.No. 916006

ORDER NO. 429-16007

DISPLAY #916006/IGNITION SWITCHES - PANEL

Top quality direct OEM replacement switches.
Wiring diagrams and complete installation instructions included.

Qty.	ORDER NO	Mfr. No.	Description
2/ea.	424-20350	420350-1	Brass 3 Position Key Switch
2/ea.	424-20356	420356-1	Brass 4 Position Key Switch 4-Screw
2/ea.	424-20360	420360-1	Poly 3 Position Key Switch Long Shaft
2/ea.	424-20361	420361-1	Poly 3 Position Key Switch Short Shaft
2/ea.	424-20365	420365-1	Poly 3 Position Key Switch Long Shaft w/Cap
2/ea.	424-20366	420366-1	Poly 3 Position Key Switch Short Shaft w/Cap
2/ea.	424-20375	420375-1	Poly 4 Position Key Switch/Cap 4-Screw
2/ea.	424-20379	420379-1	Poly 4 Position Key Switch/Cap 4-Blade
2/ea.	424-20381	420381-1	Poly 3 Position Key Switch w/Choke 6-Screw
2/ea.	424-20382	420382-1	Poly 3 Position Key Switch w/Choke 6-Boss
2/ea.	424-20383	420383-1	Poly 3 Position Key Switch w/Choke 6-Wire
2/ea.	424-20427	420427-1	Poly Push Button Switch w/Cap
2/ea.	424-20488	420488-1	Safety Kill Switch Universal
2/ea.	424-20496	420496-1	10-Key Lanyard
2/ea.	424-20498	420498-1	Tether Kill Switch Universal

For more information see: www.sea-dog.com

WEATHERDECK™ TOGGLE SWITCHES (Single Pole)

- Specially manufactured by Carling Technologies® for use in Blue Sea Systems' WeatherDeck™ Panels
- When mounted with a WeatherDeck™ Toggle Switch Boot Order No. 738-41380, Rated IP67-temporary immersion for 30 minutes
- Nickel-plated brass and phenolic non-corrosive construction

ORDER NO.	Mfr. No.	Pole/Throw	Action
738-41500	4150	SPST	OFF-ON
738-41510	4151	SPST	OFF-(ON)
738-41520	4152	SPDT	ON-OFF-ON
738-41530	4153	SPDT	(ON)-OFF-ON
738-41540	4154	SPDT	(ON)-OFF-(ON)
738-41550	4155	DPDT	ON-OFF-ON
738-41380	4138	Rubber Boot Only	

4150-4154

738-41380

4155

WATERPROOF CONTURA SWITCHES

- Vibration, shock, thermoshock, moisture and salt spray resistant
- Specially manufactured for mounting in Blue Sea Systems' water resistant panels
- Ignition Protected - Safe for installation aboard gasoline powered boats
- Meets UL1500 and ISO8846 ignition protection requirements

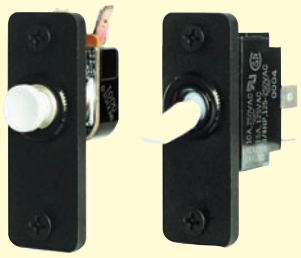
ORDER NO.	Mfr. No.	Colour	Pole/Throw	Action	Embedded LEDs
738-82310	8231	Grey	SPST	OFF-(ON)	0
738-82920	8292	Black	SPST	OFF-(ON)	0
738-82200	8220	Grey	DPDT	ON-OFF-ON	2
738-82860	8286	Black	DPDT	ON-OFF-ON	2

PANEL SWITCHES

- Perfect for generator starters, bilge pumps, horns, wipers, engine controls and any other application that requires switching action other than ON-OFF or different pole configuration separate from circuit protection
- Panel switches mount in Blue Sea Systems' A-Series Toggle Circuit Breaker panels
- Supplied with mounting adapter for standard 5/8" circuit breaker mounting hole
- Nickel-plated brass and phenolic non-corrosive construction

ORDER NO.	Mfr. No.	Type	Pole/Throw	Action
738-82000	8200	Push Button	SPST	OFF-(ON)
738-82040	8204	Toggle	SPST	OFF-ON
738-82070	8207	Toggle	SPDT	(ON)-OFF-ON

( ) = momentary



738-82000 738-82040/82070

For more information see:
www.bluesea.com

PUSH BUTTON SWITCHES

Contemporary & compact 10A, 15A, & 20A switching

- Two push button illumination options to choose from - backlit and LED ring
- 316 Stainless Steel for optimal apperance and corrosion resistance
- IP67 waterproof with O-ring panel gasket and molded rear cover
- Reverse polarity protected

Specifications	4160, 4161 4162, 4163	4180 4181	4190 4192
Amerage Max. Operating	10A / 12V DC	15A / 12V DC	20A / 12V DC
Voltage Nominal	12V DC	12V DC	12V DC
Max. LED Operating Current	20mA	20mA	20mA
Switching Cycles	40,000	10,000	60,000
Temperature Range	-10˚C to 70˚C 14˚F to 158˚F	-20˚C to 55˚C -4˚F to 131˚F	-30˚C to 85˚C -22˚F to 185˚F
Termination	5 - 0.110" Quick Connect tabs terminals included	3" Bare Pigtails -	6" Bare Pigtails 0.187" Quick Connect tabs
Wire Size	-	8-16 AWG	14 AWG
Panel Thickness	.04" -.31" 1-8mm	.04" -.24" 1-6mm	.04" -.24" 1-6mm
Mounting Hole Diameter	3/4" (19mm)	7/8" (22.35mm)	3/4" (19mm)

Regulatory

IP67 - protected against immersion up to 1 meter for 30 minutes

PUSH BUTTON SWITCH LABEL KIT

ICON Labels used on Backlit Push Button Switches

- Scratch resistant polycarbonate material
- Back printed for durability
- Waterproof adhesive for longevity in wet environments

ORDER NO.	Mfr. No.	Description
738-42300	4230	50 Labels

For more information see: www.bluesea.com

738-41600

738-41610

10A LED RING PUSH BUTTON SWITCHES

ORDER NO.	Mfr. No.	LED	Action
738-41600	4160	Blue	OFF-ON
738-41610	4161	Blue	OFF-(ON)
738-41620	4162	Red	OFF-ON
738-41630	4163	Red	OFF-(ON)

738-41800
Blue OFF

738-41810
Red ON

15A BACKLIT PUSH BUTTON SWITCHES

- Backlit button is blue when OFF and red when ON
- Five ICON labels included: Accessory, Lights, Anchor Light, Running Light, and Bilge Pump
- Additional 50 ICON label kit sold separately

ORDER NO.	Mfr. No.	LED	Action
738-41800	4180	Blue/Red	OFF-ON
738-41810	4181	Blue/Red	OFF-(ON)

( )= Momentary

5 Included ICON Labels

738-41900

738-41920

20A LED RING PUSH BUTTON SWITCHES

- Red or Blue LED ON indication ring

ORDER NO.	Mfr. No.	LED	Action
738-41900	4190	Blue	OFF-ON
738-41920	4192	Red	OFF-ON

BLUE SEA SYSTEMS

For more information see:
www.bluesea.com

KILL SWITCHES

EMERGENCY ENGINE CUT-OFF SWITCHES

- Kills ignition when lanyard is pulled
- For use with conventional or magneto ignitions
- Unique design of Mfr. No. MP40960 and Mfr. No. MP40970 keeps plunger down when lanyard connected
- Seals out moisture
- Makes reconnection easier
- Panel thickness up to 1/4"

REPLACEMENT LANYARD & CLIP
Replaces: OMC 398602
Tiller Steer Models - ALL
ORDER NO. 018-12820
Mfr. No. 18-1282

UNIVERSAL REPLACEMENT LANYARD
Replaces: Honda, Mercury, Mariner, BRP, Yamaha, Suzuki, OMC
ORDER NO. 051-28850
Mfr. No. MP28850

IGNITION REPLACEMENT LANYARD
Replaces: Yamaha 682-82556-00-00
ORDER NO. 051-28860
Mfr. No. MP28860

EMERGENCY CUT-OFF SWITCH
Replaces: Yamaha 6E9-82575-02-00
ORDER NO. 418-65450
18-65450

IGNITION REPLACEMENT LANYARD
Replaces: OMC 176288
1996 and Newer
ORDER NO. 051-28890
Mfr. No. MP28890

EMERGENCY CUT-OFF SWITCH
ORDER NO. 051-40950
Mfr. No. MP40950

REPLACEMENT LANYARD
Replaces: OMC 432230
1995-Older
ORDER NO. 051-28880
Mfr. No. MP28880

EMERGENCY CUT-OFF SWITCH WITH COILED LANYARD
Use MP40990 replacement lanyard.
ORDER NO. 051-40970-1
Mfr. No. MP40970-1

REPLACEMENT LANYARD
for #Mfr. No. MP40970-1
ORDER NO. 051-40991
Mfr. No. MP40990

EMERGENCY CUT-OFF SWITCH
Replaces: OMC 585134
Closed position w/ lanyard off.
ORDER NO. 051-28870
Mfr. No. MP28870

REPLACEMENT LANYARD
Replaces: OMC 432230
1995-Older
ORDER NO. 051-28900
Mfr. No. MP28900

FACE AND BOOT NUTS

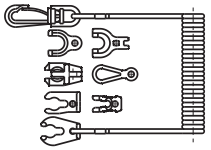
WEATHER PROOF BOOT NUT
Fits: All Sierra polyester ignition switches, 1996 & later. 13/16"-16 Thread. Rotating rubber seal. Seals out moisture and dust from lock cylinder.

ORDER NO. 051-39190
Mfr. No. MP39190

KILL SWITCH 7 KEY UNIVERSAL LANYARD

Injection Molded Nylon & Delrin

Fits Johnson, Evinrude, Mercury, Yamaha, Honda, Tohatsu, Suzuki, and Nissan kill switches.

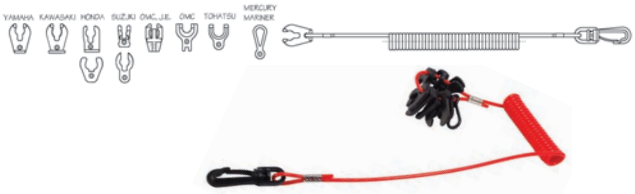


KILL SWITCH 10 KEY UNIVERSAL LANYARD

Injection Molded Nylon & Delrin

Fits Johnson, Evinrude, Mercury, Yamaha, Honda, Tohatsu, Suzuki, Kawasaki, OMC and Nissan kill switches.

ORDER NO.	Mfr. No.	Length	Description
424-20495	420495-1	50"	7 Key Lanyard
424-20496	420496-1	50"	10 Key Lanyard

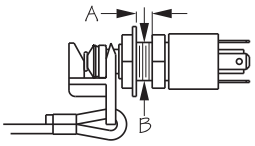


UNIVERSAL KILL - SWITCH WITH LANYARD

Stamped Brass/Injection Molded Nylon & Delrin

Replace lanyard if worn, cut or frayed. Dual circuitry allows kill switch to be wired for either ignition kill or magneto kill depending on the application.

ORDER NO.	Mfr. No.	A	B
424-20498/ ea.	420498-1	1/4"	5/8"
424-20499/ ea.	420499-1	Lanyard Only	



KILL SWITCH - UNIVERSAL

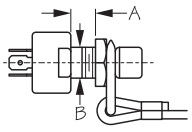
Stamped Brass/Injection Molded Nylon & Delrin

A = 7/16" B = 5/8"

Kill Style: Universal

Mfr. No. 420488-1

ORDER NO. 424-20488



LANYARD ONLY

Mfr. No. 420489-1

ORDER NO. 424-20489

For more information see: www.sea-dog.com

AIRHEAD

OUTBOARD KILL SWITCH

Keys with lanyard

Be prepared, always carry a spare

- 7 keys to fit all Johnson, Evinrude, Mercury, Yamaha, Suzuki, Honda, and Nissan/Tohatsu kill switches
- Equipped with a swivel snap hook to prevent tangles, and rust-free stainless steel crimps

ORDER NO. 737-17287

Mfr. No. BKS-6

ULTIMATE LANYARD™ PWC Safety Lanyard

Be prepared, always carry a spare

- 4 keys to fit all Seadoo, Yamaha, Kawasaki, Honda, Polaris, Tiger Shark, and Wet Jet
- Includes stainless steel key ring, floating detachable wrist band, floating vest lanyard and high pitch pealess whistle
- Red/Black

ORDER NO. 737-16112 Mfr. No. UL-2

For more information see: www.airhead.com

IGNITION SWITCHES

Sierra offers the most complete selection of high quality polyester and brass ignition switches for the Marine Industry.

Marine grade glass-filled polyester switches
- Maximum corrosion protection – eliminates oxidation
- Inner seal between cylinder lock and contact plate
- Non-conductive housing eliminates potential shorts
- 20 Amp rating
- 2, 3 and 4 position switches
- Switches for magneto and conventional ignitions

Brass ignition switches
- Corrosion resistant construction
- Up to 15 Amp rating
- 2, 3 and 4 position switches
- Switches for magneto and conventional ignitions

4 POSITION CONVENTIONAL – ACCESSORY – OFF – RUN – START

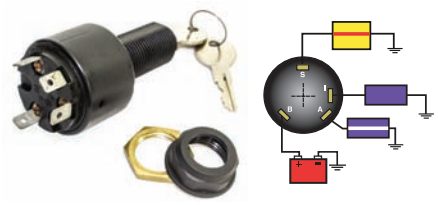
Mfr. No. MP39800
ORDER NO. 051-39800

Description:

Material	Polyester
Length	Long: 1-1/8" maximum panel thickness
Terminal Type	4 Blade
Back Up Nut	Brass
Face Nut	Hex black plastic face nut
Hole Size	7/8"

Rated:

Ignition	15 Amp @ 12v DC
Solenoid	30 Amp @ 12v DC
Accessory	15 Amp @ 12v DC



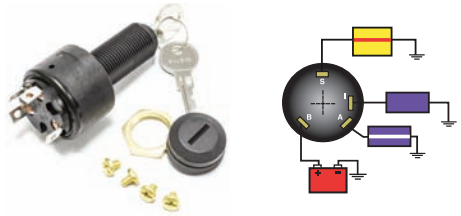
Mfr. No. MP41040
ORDER NO. 051-41040

Description:

Material	Polyester
Length	Long: 1-1/8" maximum panel thickness
Terminal Type	4 Screw Tab
Back Up Nut	Brass
Face Nut	Knurled black plastic w/rubber cap
Hole Size	7/8"

Rated:

Ignition	15 Amp @ 12v DC
Solenoid	30 Amp @ 12v DC
Accessory	15 Amp @ 12v DC



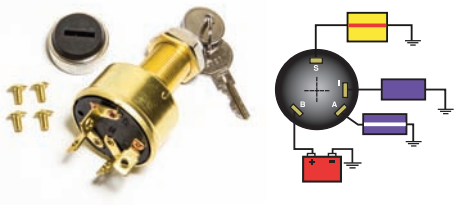
Mfr. No. MP39070
ORDER NO. 051-39070

Description:

Material	Brass
Length	Long: 1" maximum panel thickness
Terminal Type	4 Screw Tab
Back Up Nut	Brass
Face Nut	Knurled black chrome w/rubber cap
Hole Size	7/8"

Rated:

Ignition	15 Amp @ 12v DC
Solenoid	30 Amp @ 12v DC
Accessory	15 Amp @ 12v DC



3 POSITION CONVENTIONAL – OFF – RUN – START *(Continued on Page 305)*

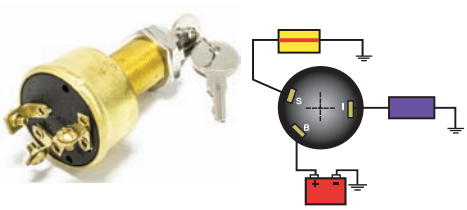
Mfr. No. MP39060-1
ORDER NO. 051-39060-1

Description:

Material	Brass
Length	Long: 1-1/8" maximum panel thickness
Terminal Type	3 Screw Tab
Back Up Nut	Brass
Face Nut	Hex Chrome Face Nut
Hole Size	7/8"

Rated:

Ignition	15 Amp @ 12v DC
Solenoid	30 Amp @ 12v DC



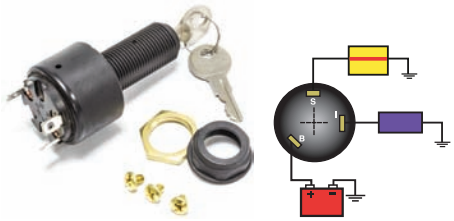
Mfr. No. MP39120
ORDER NO. 051-39121

Description:

Material	Polyester
Length	Long: 1-1/8" maximum panel thickness
Terminal Type	3 Screw Tab
Back Up Nut	Brass
Face Nut	Hex black plastic face nut
Hole Size	7/8"

Rated:

Ignition	15 Amp @ 12v DC
Solenoid	30 Amp @ 12v DC



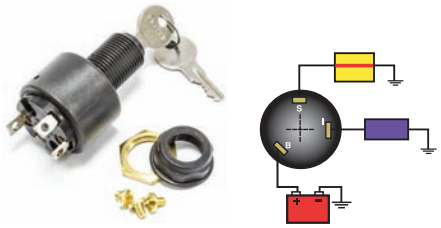
Mfr. No. MP39780
ORDER NO. 051-39781

Description:

Material	Polyester
Length	Short: 5/8" maximum panel thickness
Terminal Type	3 Screw Tab
Back Up Nut	Brass
Face Nut	Hex black plastic face nut
Hole Size	7/8"

Rated:

Ignition	15 Amp @ 12v DC
Solenoid	30 Amp @ 12v DC



For more information see:
www.catalog.sierraparts.com

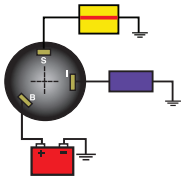
WIRE & DIAGRAM COLOUR CODES

Red - Battery
Black - Magneto Ground
Yellow w/ Red Stripe - Solenoid
Black w/ Yellow Stripe - Magneto
Purple - Ignition
Yellow w/ Black Stripe - Choke
Purple w/ White Stripe - Accessory

IGNITION SWITCHES

3 POSITION CONVENTIONAL - OFF - RUN - START (Continued from Page 304)

Mfr. No. MP39200
ORDER NO. 051-39201



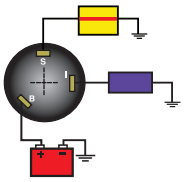
Description:

Material	Polyester
Length	Long: 1-1/8" maximum panel thickness
Terminal Type	3 Screw Tab
Back Up Nut	Brass
Face Nut	Knurled black plastic w/rubber cap
Hole Size	7/8"

Rated:

Ignition	15 Amp @ 12v DC
Solenoid	30 Amp @ 12v DC

Mfr. No. MP41030
ORDER NO. 051-41031



Description:

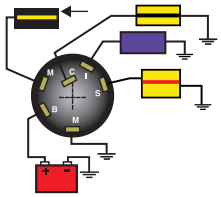
Material	Polyester
Length	Short: 5/8" maximum panel thickness
Terminal Type	3 Screw Tab
Back Up Nut	Brass
Face Nut	Knurled black plastic w/rubber cap
Hole Size	7/8"

Rated:

Ignition	15 Amp @ 12v DC
Solenoid	30 Amp @ 12v DC

3 POSITION MAGNETO - OFF - RUN - START (Continued on Page 306)

Mfr. No. MP39760
ORDER NO. 051-39761
PUSH TO CHOKE



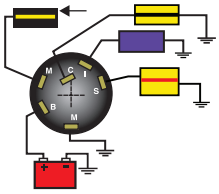
Description:

Material	Polyester
Length	Short: 5/8" maximum panel thickness
Terminal Type	5 Screw Tab, 1 Boss Screw
Back Up Nut	Plastic
Face Nut	Hex black plastic face nut
Hole Size	7/8"

Rated:

Ignition	15 Amp @ 12v DC
Solenoid	30 Amp @ 12v DC
Choke	7 Amp @ 12v DC

Mfr. No. MP41000
ORDER NO. 051-41001
PUSH TO CHOKE



Description:

Material	Polyester
Length	Short: 5/8" maximum panel thickness
Terminal Type	6 Screw Tab
Back Up Nut	Brass
Face Nut	Hex black plastic face nut
Hole Size	7/8"

Rated:

Ignition	15 Amp @ 12v DC
Solenoid	30 Amp @ 12v DC
Choke	7 Amp @ 12v DC

Mfr. No. MP41070-2
ORDER NO. 051-41070-2
PUSH TO CHOKE - MERCURY CONTROL BOX APPLICATIONS
(Colours on switch wires match factory colour codes.)

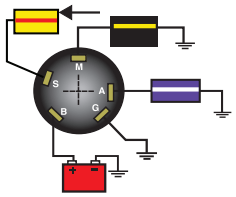
Description:

Material	Polyester
Length	Short: 5/8" maximum panel thickness
Terminal Type	6 Colour Coded Wire Leads/Potted
Back Up Nut	Not Required
Face Nut	Hex black plastic face nut
Hole Size	7/8"

Rated:

Ignition	15 Amp @ 12v DC
Solenoid	30 Amp @ 12v DC
Choke	7 Amp @ 12v DC

Mfr. No. MP39040
ORDER NO. 051-39040



Description:

Material	Brass
Length	Long: 1-1/8" maximum panel thickness
Terminal Type	5 Screw Tab
Back Up Nut	Brass
Face Nut	Hex Chrome Face Nut
Hole Size	7/8"

Rated:

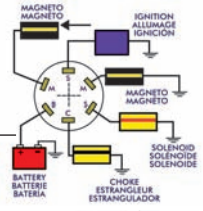
Ignition	10 Amp @ 12v DC
Solenoid	30 Amp @ 12v DC

Description:

Material	Glass filled polyester (Marine Grade)
Length	Long: 1-1/8" maximum panel thickness
Terminal Type	6 Screw Tab
Back Up Nut	Anodized Steel
Face Nut	Hex black plastic face nut with snap on rubber cap
Hole Size	7/8"

Mfr. No. MP39090
ORDER NO. 051-39090
PUSH TO CHOKE

NEW!



Rated:

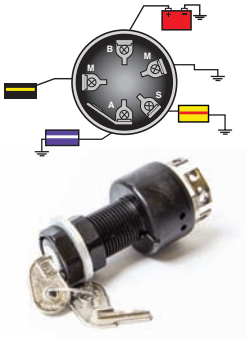
Ignition	15 Amp @ 12v DC
Solenoid	30 Amp @ 12v DC
Choke*	7 Amp @ 12v DC

WIRE & DIAGRAM COLOUR CODES

Red - Battery	Yellow w/ Red Stripe - Solenoid	Purple - Ignition	Purple w/ White Stripe - Accessory
Black - Magneto Ground	Black w/ Yellow Stripe - Magneto	Yellow w/ Black Stripe - Choke	

IGNITION SWITCHES

3 POSITION MAGNETO – OFF – RUN – START (Continued from Page 305)



Description:

Material	Polyester
Length	Long: 1-1/8" maximum panel thickness
Terminal Type	6 Screw Tab
Back Up Nut	Brass
Face Nut	Hex black plastic face nut
Hole Size	7/8"

Rated:

Ignition	15 Amp @ 12v DC
Solenoid	30 Amp @ 12v DC
Choke*	7 Amp @ 12v DC

*Terminal to power separately controlled choke circuit

Mfr. No. MP39830

ORDER NO. 051-39831

WIRE & DIAGRAM COLOUR CODES

Red - Battery	Yellow w/ Red Stripe - Solenoid	Purple - Ignition	Purple w/ White Stripe - Accessory
Black - Magneto Ground	Black w/ Yellow Stripe - Magneto	Yellow w/ Black Stripe - Choke	

IGNITION SWITCHES FOR WORLD OUTBOARD MOTORS

- **Exact OEM Replacement installation**
- **Ideal for DFI, EFI and MPI engines**
- **Heavy duty potted construction**
- **Minimal bleed per circuit**
- **Molded umbrella type key**

IGNITION SWITCH

3 Position Magneto - Off-Run-Start
Push to Choke
Replaces: Mercury 87-17009A5

ORDER NO. 051-51090
Mfr. No. MP51090

IGNITION SWITCH

3 Position Magneto - Off-Run-Start
Push to Choke
Replaces: Mercury 87-88107A5

ORDER NO. 051-52000
Mfr. No. MP52000

IGNITION SWITCH

Suzuki 2 & 4 Stroke Outboards
Replaces: 37110-99E00
Colours on wires match factory colour codes

ORDER NO. 051-51010
Mfr. No. MP51010

IGNITION SWITCH

Yamaha Control Box 2 & 4 Stroke
Replaces: 703-82510-12-00
Colours on wires match factory colour codes

ORDER NO. 051-51020
Mfr. No. MP51020

IGNITION SWITCH

Yamaha Dash Mount 2 & 4 Stroke
Dual Engine Application
Replaces: 61B-82510-01-00
Colours on wires match factory colour codes

ORDER NO. 051-51030
Mfr. No. MP51030

IGNITION SWITCH

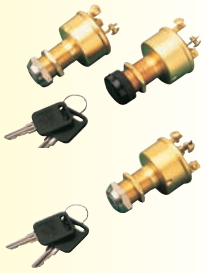
Yamaha Control Box 2 & 4 Stroke
Push to Choke
Replaces: 703-82510-43-00
Colours on wires match factory colour codes

ORDER NO. 051-51040
Mfr. No. MP51040

IGNITION SWITCH

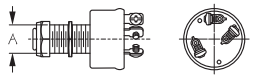
Yamaha Dash Mount 2 & 4 Stroke
Dual Engine Application
Push to Choke
Replaces: 6K1-82510-06-00
Colours on wires match factory colour codes

ORDER NO. 051-51050
Mfr. No. MP51050



THREE POSITION IGNITION SWITCH-MAGNETO STYLE

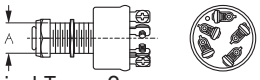
Stamped Brass



ORDER NO.	Mfr. No.	Action	A	Max Panel	Shaft Type	Terminal Type	Cap
424-20350	420350-1	Off-Ignition-Start	13/16"	1-1/8"	Long	Screw-3	No

THREE POSITION IGNITION SWITCH-MAGNETO STYLE

Stamped Brass



ORDER NO.	Mfr. No.	Action	A	Max Panel	Shaft Type	Terminal Type	Cap
424-20351	420351-1	Off-Ignition-Start	13/16"	1-1/8"	Long	Screw-5	No

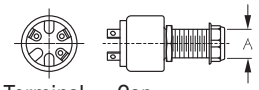
THREE POSITION IGNITION SWITCH-MAGNETO STYLE

Stamped Brass

ORDER NO.	Mfr. No.	Action	A	Max Panel	Shaft Type	Terminal Type	Cap
424-20356	420356-1	Acc.-Off-Ign.-Start	13/16"	1-1/8"	Long	Screw-3	No

THREE POSITION IGNITION SWITCH

Polypropylene



ORDER NO.	Mfr. No.	Action	A	Max Panel	Shaft Type	Terminal Type	Cap
424-20360	420360-1	Off-Ignition-Start	13/16"	1-1/8"	Long	Screw-3	No
424-20361	420361-1	Off-Ignition-Start	13/16"	5/8"	Short	Screw-3	No
424-20365	420365-1	Off-Ignition-Start	13/16"	1-1/8"	Long	Screw-3	Yes
424-20366	420366-1	Off-Ignition-Start	13/16"	5/8"	Short	Screw-3	Yes

FOUR POSITION IGNITION SWITCH

Polypropylene

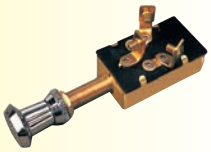
ORDER NO.	Mfr. No.	Action	A	Max Panel	Shaft Type	Terminal Type	Cap
424-20375	420375-1	Acc.-Off-Ignition-Start	13/16"	1-1/8"	Long	Screw-4	Yes
424-20379	420379-1	Acc.-Off-Ignition-Start	13/16"	1-1/8"	Long	Blade-4	No

THREE POSITION IGNITION SWITCH-MAGNETO STYLE

Polypropylene

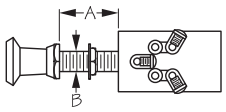
ORDER NO.	Mfr. No.	Action	A	Max Panel	Shaft Type	Terminal Type	Cap
424-20381	420381-1	Off-Ign.-Start-Choke	13/16"	5/8"	Short	Screw-6	No
424-20382	420382-1	Off-Ign.-Start-Choke	13/16"	5/8"	Short	Boss-6	No
424-20383	420383-1	Off-Ign.-Start-Choke	13/16"	5/8"	Short	Wire-6	No

Note: Push to Choke



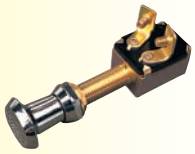
THREE POSITION ONE CIRCUIT SWITCH

Stamped Brass



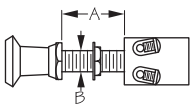
ORDER NO.	Mfr. No.	A	B	Amp
424-20410	420410-1	1"	3/8"	15 A

When pushed in all the way, the switch is turned off. When pulled to the first stop, the first circuit is activated. At the second stop both the first circuit and the second are activated.

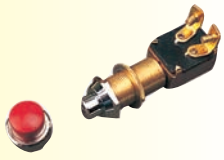


TWO POSITION ON-OFF SWITCH

Stamped Brass

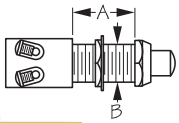


ORDER NO.	Mfr. No.	A	B	Amp
424-20390	420390-1	1"	3/8"	15 A
424-20390-5	420390-5	Display POP, 25 Pcs.		



MOMENTARY PUSH BUTTON SWITCH

Stamped Brass



ORDER NO.	Mfr. No.	A	B	Amps	Cap Colour
424-20420/ ea.	420420-1	1"	5/8"	15A	No Cap
424-20422/ ea.	420422-1	1"	5/8"	15A	Red

For more information see: www.sea-dog.com

BLUE SEA SYSTEMS

AGC® OR MDL® IN-LINE FUSE HOLDERS

CRIMPABLE IN-LINE FUSE HOLDER

- Accepts 12-18 AWG wire
- 30A Maximum fuse amperage
- Fuse sold separately *(See Page 311)*

ORDER NO. 738-50600 Mfr. No. 5060

738-50600

WATERPROOF IN-LINE FUSE HOLDERS

- Accepts 12-18 AWG wire
- Fuse sold separately *(See Page 311)*

ORDER NO.	Mfr. No.	Maximum Fuse Amperage
738-50610	5061	30A
738-50620	5062	20A

738-50620

738-50610

HEAVY-DUTY IN-LINE FUSE HOLDER

- Accepts 12-18 AWG wire
- 30A Maximum fuse amperage
- Fuse sold separately *(See Page 311)*

ORDER NO. 738-50630 Mfr. No. 5063

738-50630

ATO® OR ATC® IN-LINE FUSE HOLDERS

IN-LINE FUSE HOLDER

- Accepts 12-AWG wire
- 30A Maximum fuse amperage
- Fuse sold separately *(See Page 311)*

ORDER NO. 738-50640 Mfr. No. 5064

738-50640

WATERPROOF IN-LINE FUSE HOLDERS

- Accepts 12-AWG wire
- 30A Maximum fuse amperage
- Fuse sold separately *(See Page 311)*

ORDER NO. 738-50650 Mfr. No. 5065

738-50650

MAXI® IN-LINE FUSE HOLDER

IN-LINE FUSE HOLDER FOR MAXI® FUSES

- Supplied with #6 red lead wire, 5" length
- 32V DC Max. voltage rating
- 60A Max. fuse amperage
- Firewall mounting hole permits:
  - Two or more holders to be mounted together
  - Surface mount
- Cover comes with a removable strap
- Fuse sold separately *(See Page 311)*

ORDER NO. 738-50680 Mfr. No. 5068

738-50680

WATER RESISTANT FUSE HOLDER

PANEL MOUNT

- Rated IP66 on front - protected againt powerful water jets
- 20A Max. fuse amperage
- 60A Max. fuse amperage
- 0.50" (12.70 mm) mounting hole
- Fuse sold separately *(See Page 311)*

ORDER NO. 738-50210 Mfr. No. 5021

738-50210

Replacement Cap for 5021

ORDER NO. 738-50220 Mfr. No. 5022

738-50220

ATO/ATC STYLE FUSE HOLDERS

- Weather proof sealed case
- 5" - 12 gauge wire leads
- For ATO/ATC style fuses up to 30 amps

Mfr. No. FS35870
ORDER NO. 051-35870

- 8" - 14 gauge wire leads
- For ATO/ATC style fuses up to 20 amps

NEW!

Mfr. No. FS45410
ORDER NO. 051-45410

- 5" - 12 gauge wire leads
- For ATO/ATC style fuses up to 30 amps
- Includes 30 amp fuse

Mfr. No. FS69130
ORDER NO. 051-69130

WEATHER RESISTANT GLASS TUBE STYLE FUSE HOLDERS

Details	Mfr. No.	ORDER NO.
10 GA 8" wire loop w/ two 30 Amp fuses	FS69150	051-69150
14 GA 8" wire loop w/ two 15 Amp fuses	FS69170	051-69170
16 GA 8" wire loop w/ two 10 Amp fuses	FS69180	051-69180

- Weather proof sealed case
- 15" - 14 gauge wire loop
- For up 20 amp SFE, AGC, MDL fuses

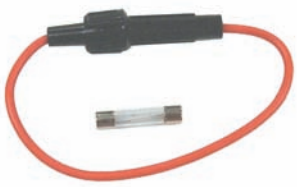
Mfr. No. FS45440
ORDER NO. 051-45440

- **Heavy Duty**
- Weather resistant
- 5" - 8 gauge wire leads
- For 30 to 50 amp AGC fuses

Mfr. No. FS69140
ORDER NO. 051-69140

IN-LINE GLASS TUBE STYLE FUSE HOLDERS

- Black plastic twist lock case
- 7"- 14 gauge wire loop
- Includes 15 amp fuse



Mfr. No. FS69100
ORDER NO. 051-69100

- **Heavy Duty**
- 12 gauge tinned copperwire
- Includes 30 amp fuse

Mfr. No. FS69120
ORDER NO. 051-69120

PANEL MOUNT GLASS TUBE STYLE FUSE HOLDERS

- Panel mount
- Weather resistant gasket sealed
- For AGC, MDL fuses
- For panels up to 5/16" thick

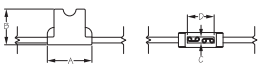
Mfr. No. FS45430
ORDER NO. 051-45431

INLINE FUSE HOLDER - ATO/ATC

Injection Molded Fiberglass Reinforced Nylon

ORDER NO.	Mfr. No.	A	B	C	D	Amps	Wire Length
424-45199	445199-1	1-1/4"	1"	3/16"	3/4"	30 A	4"/side

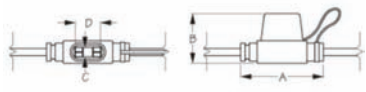
Use with Order No. 424-45105 thru 424-45140. Max 30 Amps, 32 Volt, Uses 14 GA red wire



ATO/ATC STYLE INLINE FUSE HOLDER

Injection Molded PVC

A = 1-1/4" , B = 1"
C = 3/16", D = 3/4"
Wire/Length: (14 GA), 12"
Max. Amps: 30
Designed to accept ATO/ATC automotive-style spade fuses.
IP67 waterproof rating



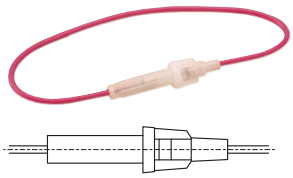
ORDER NO. 424-45198 Mfr. No. 445198-1

INLINE FUSE

Injection Molded Nylon

Wire Length: 11-1/2"/side (14 GA)
Fuse Size: 1/4" x 1-1/4"
Includes 20 amp fuse
Mfr. No. 420500-1

ORDER NO. 424-20500



For more information see: www.sea-dog.com

WATERTIGHT INLINE FUSE HOLDER

Injection Molded PVC

Watertight holders feature snap tight connection for use in wet or semi-wet locations.
Includes standard 1/4" x 1-1/4" Glass fuse.

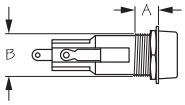
ORDER NO.	Mfr. No.	Amps	Wire Gauge
424-20552	420552-1	10A	16
424-20553	420553-1	15A	14
424-20554	420554-1	20A	12
424-20555	420555-1	30A	10

FUSE HOLDER WITH PUSH IN CAP

Stamped Brass/Molded Bakelite

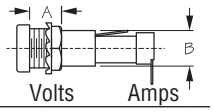
A = 1/4" B = 19/32"
Release Location: side
Fuse Size: 1/4" x 1-1/4"
Mfr. No. 420501-1

ORDER NO. 424-20501



ROUND FUSE HOLDER WITH FLUSH CAP - SPADE TERMINAL

Stamped Brass/Molded Bakelite

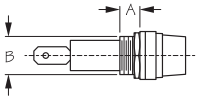


ORDER NO.	Mfr. No.	A	B	Volts	Amps
424-20504 /ea.	420504-1	3/8"	1/2"	12 V	15 A

ROUND FUSE HOLDER - SPADE TERMINAL

Stamped Brass/Molded Bakelite

A = 3/8" B = 1/2"
Volt: 12V AMPS: 10A



Mfr. No. 420503-1

ORDER NO. 424-20503

PERKO® MADE IN THE USA

SPARE FUSE HOLDER FOR PANEL

Mfr. No. 0516DP

ORDER NO. 621-05160

FUSE HOLDER CAPS ONLY

Mfr. No. 0522DP

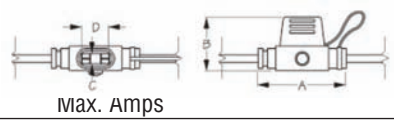
ORDER NO. 621-05220 - (2/card)

For more information see: www.perko.com

ATM MINI STYLE INLINE LED FUSE HOLDER

Injection Molded PVC

• Waterproof IP67 rating.



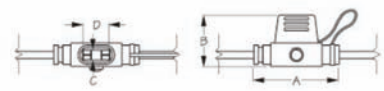
ORDER NO.	Mfr. No.	A	B	C	D	Max. Amps
424-45097	445097-1	1-9/16"	15/16"	3/16"	1/2"	30

Features an LED indicator which lights up when the fuse is blown. Designed to accept ATM mini automotive-style spade terminal fuses. For use with Sea-Dog® ATM mini style fuses (445002-445030). sold separately).
Max.: 30A 14 gauge 12" AWG wire lead.

ATO/ATC STYLE INLINE LED HOLDER

Injection Molded PVC

• Waterproof IP67 rating.



ORDER NO.	Mfr. No.	A	B	C	D	Max. Amps	Wire/Length
424-45197	445197-1	1-1/4"	1"	3/16"	3/4"	30	14 ga/12"

Features an LED indicator which lights up when the fuse is blown. Designed to accept ATO/ATC automotive-style spade terminal fuses. For use with Sea-Dog® ATO or ATC style fuses (445101-CC # 424-45130, CC # 424-45190, 445156, and 445157; sold separately). 14 gauge 12" AWG wire lead.

SPECIAL ORDER ITEM

AGC® FUSES

Fast-acting glass fuse ideal for small electronic devices

Features:

- For use with Blue Sea Systems' ST Glass Fuse Blocks and AGC® fuse holders
- AGC® fuses are typically used in DC systems up to 32V DC
- AGC® fuses to 10A are rated for use in AC at 125V AC and to a maximum 250V AC
- Visible indication of blown condition
- AGC® Five per retail package

ORDER NO.	Mfr. No.	Amps
738-52040	5204	1A
738-52050	5205	1.5A
738-52060	5206	2A
738-52070	5207	2.5A
738-52080	5208	3A
738-52090	5209	4A
738-52100	5210	5A
738-52110	5211	6A

ORDER NO.	Mfr. No.	Amps
738-52120	5212	7A
738-52130	5213	7.5A
738-52150	5215	10A
738-52170	5217	15A
738-52180	5218	20A
738-52190	5219	25A
738-52200	5220	30A

ATO®/ATC® FUSES

Delivers fast-acting protection for electronics and other small loads

Features:

- Fast-acting type fuses ideal for electronic devices
- Standard circuit protection device for automobiles and trucks
- Tin-plated connector blades for corrosion resistance
- Colour coded for easy identification
- Visible indication of blown condition
- Sold in packages of 2

ORDER NO.	Mfr. No.	Amps
738-52350	5235	1A
738-52360	5236	2A
738-52370	5237	3A
738-52380	5238	4A
738-52390	5239	5A
738-52400	5240	7.5A
738-52410	5241	10A
738-52420	5242	15A
738-52430	5243	20A
738-52440	5244	25A
738-52450	5245	30A

MDL® FUSES

Slow blow glass fuses

Features:

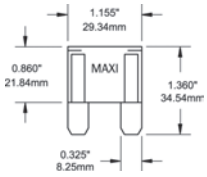
- Visible indication of blown fuses
- Voltage Max. Operating: 32V DC , 250V AC
- Blow Time Delay
- MDL® Two per retail package

ORDER NO.	Mfr. No.	Amps
738-52260	5226	3A
738-52290	5229	7.5A
738-52300	5230	10A

MAXI® FUSES

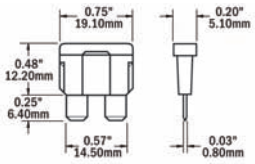
- Economical
- Tin-plated connector blades for corrosion resistance
- Visible indication of blown condition
- Works with Maxi™ Fuse Block #738-5006100 ***(See Page 315)***
- Maxi® In-Line Fuse Holder #738-50680 ***(See Page 308)***
- 1 per package

ORDER NO.	Mfr. No.	Amps
738-51380	5138	30A
738-51390	5139	40A
738-51400	5140	50A
738-51410	5141	60A



easyID™ ILLUMINATED ATC® FUSES

- Use Light Emitting Diode (LED) technology to show when a fuse has blown.
- Easily locate blown fuses tucked up in dark compartments
- Colour coded for easy identification
- Drop-in replacement for ATO® or ATC® fuses
- Maximum operating voltage: 32V DC
- Interrupting capacity: 1000A @ 32V DC
- Blade material: Tin-plated
- Packages of 2



ORDER NO.	Mfr. No.	Amps
738-52910	5291	3A
738-52920	5292	5A
738-52930	5293	7.5A
738-52940	5294	10A
738-52950	5295	15A
738-52960	5296	20A
738-52970	5297	25A
738-52980	5298	30A
738-52990	5299	40A

LED ON indicates blown fuse

easyID™ ATC FUSE KIT 31 PIECE W/ FUSE PULLER

Lights when blown

Kit contains 3x 3A, 3x 5A, 3x 7.5A, 3x 10A, 6x 15A, 3x 20A, 3x 25A, 3x 30A, 3x 40A

ORDER NO. 738-52900

Mfr. No. 5290

PLUG IN ATC BLADE FUSE KIT

12 Kits per Box

Kit contains: 4 of each: 10AMP, 15AMP, 20AMP, 30 AMP

ORDER NO. 970-22300

Mfr. No. 970223

For more information see: www.handimanmarine.com

For more information see: www.bluesea.com

FUSES

AGC GLASS TUBE FUSES

1/4" x 1-1/4" - **Sold as a pack of 5**

ORDER NO.	Mfr. No.	RATING
051-79090	FS79090	1 Amp
051-79110	FS79110	2 Amp
051-79120	FS79120	3 Amp
051-79140	FS79140	5 Amp
051-79160	FS79160	7.5 Amp
051-79170	FS79170	10 Amp
051-79180	FS79180	15 Amp
051-79190	FS79190	20 Amp
051-79200	FS79200	25 Amp
051-79210	FS79210	30 Amp

AGA GLASS TUBE FUSE

1/4" x 5/8" - **Sold as pack of 5**

ORDER NO.	Mfr. No.	RATING
051-79060	FS79060	20 Amp

**Note: Replaces OMC# 510884 Fuse*

AGU GLASS TUBE FUSE

13/32" x 1-1/2" - **Sold as pack of 2**

ORDER NO.	Mfr. No.	RATING
051-79870	FS79870	50 Amp

**Note: Replaces OMC# 982019 Fuse*

ATO® STYLE FUSES

0.207" W x 0.752" H x 0.76" L - **Sold as pack of 5**

ORDER NO.	Mfr. No.	RATING	COLOUR
051-79500	FS79500	3 Amp	VIOLET
051-79520	FS79520	5 Amp	TAN
051-79530	FS79530	7.5 Amp	BROWN
051-79540	FS79540	10 Amp	RED
051-79550	FS79550	15 Amp	BLUE
051-79560	FS79560	20 Amp	YELLOW
051-79580	FS79580	30 Amp	GREEN

ATO® FUSE KIT ASSORTMENT

Contains FIVE fuses (1 each) 5A, 10A, 15A, 20A, 30A

ORDER NO. 051-79690 Mfr. No. FS79690

ATM STYLE FUSES

0.15" W x 0.429" H x 0.76" L - **Sold as a pack of 5**

ORDER NO.	Mfr. No.	RATING	COLOUR
051-80000	FS80000	2 AMP	GREY
051-80010	FS80010	3 AMP	VIOLET
051-80030	FS80030	5 AMP	TAN
051-80040	FS80040	7.5 AMP	BROWN
051-80050	FS80050	10 AMP	RED
051-80060	FS80060	15 AMP	BLUE
051-80070	FS80070	20 AMP	YELLOW
051-80080	FS80080	25 AMP	CLEAR
051-80090	FS80090	30 AMP	GREEN

ATM FUSE KIT ASSORTMENT

Contains FIVE fuses (1 each) 5A, 10A, 15A, 20A, 30A

ORDER NO. 051-79680 Mfr. No. FS79680

SFE GLASS TUBE FUSES

Sold as a pack of 5

ORDER NO.	Mfr. No.	RATING	SIZE
051-79270	FS79270	14 Amp	1/4" x 1"
051-79280	FS79280	20 Amp	1/4" x 1-1/4"

BILGE PUMP & ACCESSORY FUSE KIT

ATO® FUSE KIT ASSORTMENT

Contains FIVE fuses (1 each)
AGC 5, 10, 15, 30 amp, and 1 SFE 20 amp.

ORDER NO. 051-79630 Mfr. No. FS79630

FMX STYLE FUSES

NEW!

Interrupting Rating: 1500A @ 32DVC

ORDER NO.	Mfr. No.	RATING	COLOUR
051-84000	FS84000	20 Amp	LIGHT BLUE
051-84010	FS84010	30 Amp	PINK
051-84020	FS84020	40 Amp	GREEN
051-84030	FS84030	50 Amp	RED
051-84040	FS84040	60 Amp	YELLOW

BATTERY FUSES

NEW!

Meets ABYC requirements: for DC main circuit protection on large battery banks with high-interrupt rating.

ORDER NO.	Mfr. No.	RATING
051-84100	FS84100	30 Amp
051-84110	FS84110	40 Amp
051-84120	FS84120	50 Amp
051-84130	FS84130	60 Amp
051-84140	FS84140	75 Amp
051-84150	FS84150	80 Amp
051-84160	FS84160	90 Amp
051-84170	FS84170	100 Amp
051-84180	FS84180	125 Amp
051-84190	FS84190	150 Amp
051-84200	FS84200	175 Amp
051-84210	FS84210	200 Amp
051-84220	FS84220	250 Amp
051-84230	FS84230	300 Amp

Mounting Bar - Single (MRBF)

051-84240	FS84240	Mounting Bar/**(Cover not incl.)**
051-84250	FS84250	**Cover Only** - MRBF-Stud

TERMINAL FUSES
MRBF - MARINE RATED BATTERY FUSE

Requires the use of Terminal Fuse Blocks
738-51910 ***(See Page 316)***,
738-51940, 738-51960 ***(See Page 315)*** or # 2151
- do not mount the fuse directly to the battery terminal

- Main circuit protection on large battery banks
- Ignition protected—safe for installation aboard gasoline powered boats
- Clear window—visual indication of blown condition
- Colour coded for easy identification
- Meets SAE J1171, IP66, ABYC E-11.10.1.1.1.
- Interrupting Capacity 10,000A@14V DC
  5,000A@32V DC
  2,000A@32V DC

Vmxo Voltage Max. Operating 58V DC
Fuse Hole Opening M8 (5/16")

ORDER NO.	Mfr. No.	Amps	Colour
738-51750	5175	30A	Lt. Green
738-51760	5176	40A	Lt. Blue
738-51770	5177	50A	Red
738-51780	5178	60A	Gold
738-51800	5180	75A	Brown
738-51820	5182	90A	Purple
738-51830	5183	100A	Yellow
738-51840	5184	125A	Green
738-51850	5185	150A	Orange
738-51870	5187	200A	Blue
738-51890	5189	250A	Pink
738-51900	5190	300A	Grey

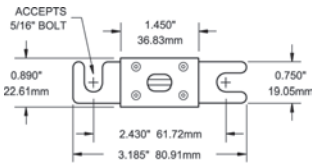
SPECIAL ORDER ITEM

ANL FUSES - 35-500 AMPERE

- Ignition protected (conforming to SAE J1171)- safe for installation aboard gasoline powered boats (35-500 Amp only)
- Silver-plated connector blades for corrosion resistance
- Visible indication of blown condition
- 6,000 Ampere Interrupt Capacity (AIC) satisfies ABYC requirements for main DC circuit protection on large battery banks
- For use with Blue Sea Systems' ANL Fuse Blocks ***(See Page 316)***

738-51220

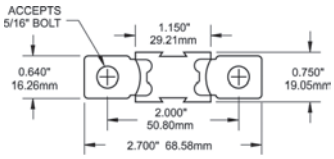
ORDER NO.	Mfr. No.	Amps
738-51220	5122	50A
738-51230	5123	60A
738-51240	5124	80A
738-51250	5125	100A
738-51270	5127	150A
738-51280	5128	175A
738-51290	5129	200A
738-51310	5131	250A
738-51330	5133	300A
738-51350	5135	350A
738-51360	5136	400A
738-51370	5137	500A



738-51010

MEGA® OR AMG® FUSES

- Most economical fuse for 100-300 Ampere circuit protection
- For use with Blue Sea Systems' MEGA® or AMG® Safety Fuse Blocks ***(See Page 316)***

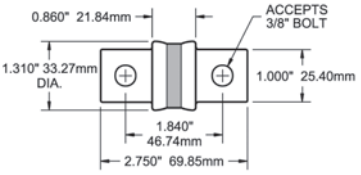


ORDER NO.	Mfr. No.	Amps
738-51010	5101	100A
738-51030	5103	150A
738-51040	5104	175A
738-51050	5105	200A
738-51070	5107	250A

738-51190

CLASS-T FUSES

Use with Class T Fuse Blocks for circuit protection of devices including inverters and selected Contura Waterproof Panels



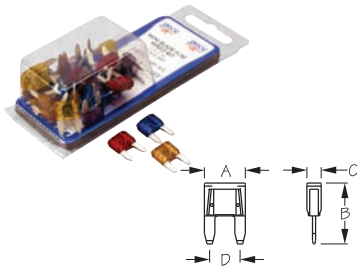
Features:
- Voltage Maximum Operating - 160 Volts DC
- Recommended by most inverter manufacturers

Regulatory:
UL listed to standard 248-15
DC tested to UL standard 198L

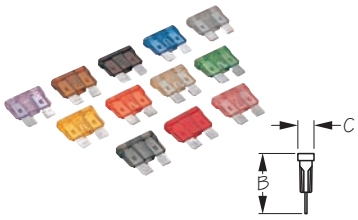
ORDER NO.	Mfr. No.	Amperage
738-51120	5112	110A
738-51130	5113	125A
738-51140	5114	150A
738-51150	5115	175A
738-51160	5116	200A
738-51180	5118	250A
738-51190	5119	300A
738-51210	5121	400A

ORDER NO.	Mfr. No.	Type	Amps	A	B	C	D	Fuses Per Set	Qty in Display
GLASS TUBE FUSE									
424-44101	444101-1	AGC	1A	1/4"	1-1/4"	-	-	5	3
424-44102	444102-1	AGC	2A	1/4"	1-1/4"	-	-	5	3
424-44103	444103-1	AGC	3A	1/4"	1-1/4"	-	-	5	3
424-44104	444104-1	AGC	4A	1/4"	1-1/4"	-	-	5	3
424-44105	444105-1	AGC	5A	1/4"	1-1/4"	-	-	5	3
424-44157	444157-1	AGC	7.5A	1/4"	1-1/4"	-	-	5	3
424-44110	444110-1	AGC	10A	1/4"	1-1/4"	-	-	5	3
424-44115	444115-1	AGC	15A	1/4"	1-1/4"	-	-	5	3
424-44120	444120-1	AGC	20A	1/4"	1-1/4"	-	-	5	3
424-44125	444125-1	AGC	25A	1/4"	1-1/4"	-	-	5	3
424-44130	444130-1	AGC	30A	1/4"	1-1/4"	-	-	5	3
424-44135	444135-1	AGC	35A	1/4"	1-1/4"	-	-	5	3
AGC STYLE MIXED FUSE KIT - NICKEL PLATED BRASS/GLASS									
424-44190	444190-1	AGC		1/4"	1-1/4"				
AGC Style Mixed Fuse Kit contains 3, 5, 7.5, 10, 15 and 20 amp fuses, 5 each									3
MINI BLADE STYLE MIXED FUSE KIT									
424-45090	445090-1			7/16"	5/8"	3/16"	5/16"		
Mini Blade Style Mixed Fuse Kit contains 3, 5, 7.5, 10, 15 and 20 amp fuses, 5 each									3
AUTOMOTIVE STYLE FUSE									
424-45105	445105-1	ATO/ATC	5A	3/4"	3/4"	3/16"	9/16"	5	3
424-45110	445110-1	ATO-ATC	10A	3/4"	3/4"	3/16"	9/16"	5	3
424-45115	445115-1	ATO-ATC	15A	3/4"	3/4"	3/16"	9/16"	5	3
424-45120	445120-1	ATO-ATC	20A	3/4"	3/4"	3/16"	9/16"	5	3
424-45125	445125-1	ATO-ATC	25A	3/4"	3/4"	3/16"	9/16"	5	3
424-45130	445130-1	ATO-ATC	30A	3/4"	3/4"	3/16"	9/16"	5	3
424-45140	445140-1	ATO-ATC	40A	3/4"	3/4"	3/16"	9/16"	5	3
ATO/ATC STYLE MIXED FUSE KIT									
424-45190	445190-1	ATO/ATC		3/4"	3/4"	3/16"	9/16"		
ATO/ATC Style Mixed Fuse Kit contains 3, 5, 7.5, 10, 15 and 20 amp fuses, 5 each									3
INLINE FUSE									
424-20500	420500-1								3
FUSE HOLDER WITH SCREW ON CAP								(Replacement Not in Display)	
424-20501	420501-1		(Replacement Red Insert ORDER NO. 424-22199)						3
ROUND FUSE HOLDER - SPADE TERMINAL									
424-20503	420503-1								3
WATERTIGHT INLINE FUSE HOLDER									
424-20554	420554-1								3
424-20555	420555-1								3
INLINE FUSE HOLDER - ATO/ATC									
424-45199	445199-1								3

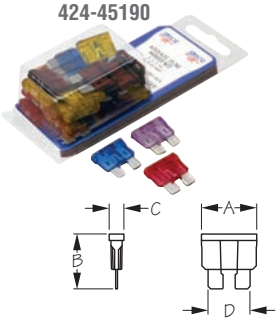
424-45090



AUTOMOTIVE STYLE FUSES



424-45190



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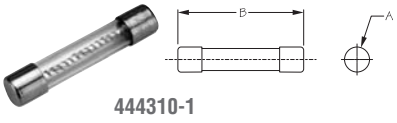

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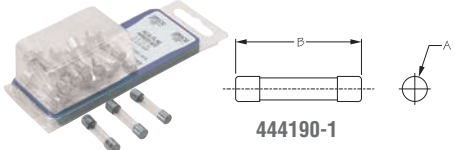


444190-1

CLASS-T FUSE BLOCK

- Four stud design provides ample access around connecting stud to install large cable lugs without obstruction from the fuse
- Insulating cover satisfies ABYC/USCG insulation requirements
- Cover breakouts allow wire access in any direction
- Stud design ensures secure fuse mounting even with high heat
- Stainless steel studs provide resistance to corrosion and high torque
- One-piece stainless flange nuts ensure safe and secure connections
- UL 94-V0 base resists high heat
- Acepts Classic-T Fuses *(See Page 313)*

Specfications:
Voltage Max. Operating: 160V DC
Cable Size: Up to 4/0 AWG (120 mm²)
Fuse Mounting Blocks: Tin-Plated Copper

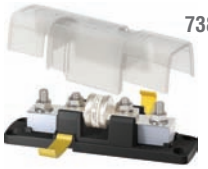
5007100 and 5502100 Regulatory:
Meets ISO 8846 and SAE J1171 external ignition protection requirements when cover is secure

IGNITION PROTECTED

738-55020

738-5007100

738-5502100



ORDER NO.	Mfr. No.	Amperage	Ignition Protection	Terminal Stud Size	Mounting
738-55020	5502	225A-400A	-	3/8"-16 (M10)	1/4" (M6) Screws
738-5007100	5007100	110A-200A	Yes	1/4"-20 (M6)	1/4" (M6) Screws
738-5502100	5502100	225A-400A	Yes	3/8"-16 (M10)	1/4" (M6) Screws

MAXI® FUSE BLOCK

Ignition protected MAXI Fuse Block allows for installation in a gas engine compartments.

- Snap-on terminal cover insulates all conductive parts, satisfying ABYC/USCG requirements
- Accepts wires from sides or bottom
- Terminal screws compress fuse blades within blocks for low resistance connections
- Label recess accepts large format labels
- Accepts MAXI Fuses *(See Page 311)*

Specifications
Voltage Max. Operating: 32V DC
Amperage Max. Operating: 80A
Wire Size: 14–4 AWG
MAXI® Fuses available: 30A–80A
Mounting: #10 Screws
Regulatory:
Meets ISO 8846 and SAE J1171 external ignition protection requirements

IGNITION PROTECTED

ORDER NO.	Mfr. No.
738-5006100	5006100

MRBF SURFACE MOUNT FUSE BLOCKS

MFBF - Marine Rated Battery Use

- Surface mount fuse blocks accommodate three MRBF fuses for consolidated high amperage circuit protection
- The independent source fuse block (5194) is ideal for 3 output battery chargers
- The common source fuse block (5196) provides 3 loads from a single source
- Clip-on cover insulates terminal connections
- Versatile wiring options allow all wires to come out a single side
- Label recesses for easy circuit identification
- One-piece stainless flange nuts ensure safe and secure connections
- Ignition protected when used with MRBF fuses
- Accepts MRBF Terminal Fuses *(See Page 313)*

Specifications
Voltage Max. Operating: 58V DC
Amperage Max. Operating: 240A per circuit
Terminal Fuses Available: 30–300 Amps
Regulatory: Meets SAE J1171 external ignition protection requirements

IGNITION PROTECTED

ORDER NO.	Mfr. No.	Description	Terminal Stud Size	Mounting	Fuses
738-51940	5194	Independent Source	M8 (5/16"-18)	Surface Mnt. M5 #10	3
738-51960	5196	Common Source	M8 (5/16"-18)	Surface Mnt. M5 #10	3

BLUE SEA SYSTEMS

MIDI® OR AMI® SAFETY FUSE BLOCK

For use with MIDI® or AMI® fuses CE Marked

Features:

- Ignition protected for installation aboard gasoline or diesel powered boats
- Sealed cover protects fuses from the harsh marine environment
- Insulating cover satisfies ABYC/USCG insulation requirements
- Cover breakouts allow wire access in any direction
- 200A maximum with 4/0 cable
- Accepts Blue Sea Systems Square Format standard or custom label
- Fuses sold separately

ORDER NO. 738-77200
Mfr. No. 7720

MEGA® OR AMG® SAFETY FUSE BLOCK

For use with MEGA® or AMG® fuses

Features:

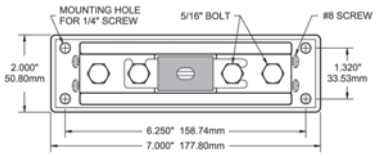
- Ignition protected for installation aboard gasoline or diesel powered boats
- Sealed cover protects fuses from the harsh marine environment
- Insulating cover satisfies ABYC/USCG insulation requirements
- Cover breakouts allow wire access in any direction
- 300A maximum with 4/0 cable
- Accepts Blue Sea Systems Square Format standard or custom label
- Fuses sold separately *(See Page 313)*

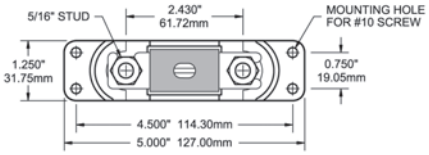
ORDER NO. 738-77210
Mfr. No. 7721

ANL 300 & 750 FUSE BLOCKS WITH COVER

Features:

- Accepts 5/16" (M8) ring terminals
- For use on systems up to 32 Volts DC
- Swing out design allows replacement of the fuse without removing fasteners
- Stainless steel studs provide resistance to corrosion and high torquing for excellent electrical contact
- UL 94-VO base resists high heat
- Insert molded studs ensure secure fuse mounting
- Insulating cover satisfies ABYC/USCG requirements
- Cover breakouts allow wire access in any direction
- Fuse sold separately *(See Page 313)*



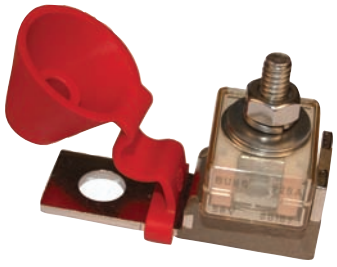


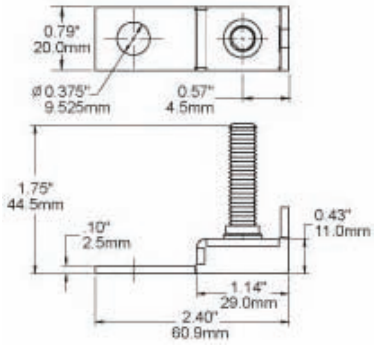
ORDER NO.	Mfr. No.	Description	Amperage Max. Operating	Max. Cable Size
738-50050	5005	ANL 300	300 Amps	2/0 AWG
738-55030	5503	ANL 750	750 Amps	4/0 AWG

TERMINAL FUSE BLOCK

- New isolated stud design uses standard M8 (5/16") hardware and permits stacking of terminals
- Compact, high-amp fuse—appropriate for DC Main, inverter, windlass, and bow thruster circuit protection
- Provides high current protection in tight space constraints
- Weatherproof—suitable for small open-cockpit boats and other harsh environments
- Insulating cap prevents accidental shorts
- Fuses sold separately. *(See Page 313)*

Specifications:
Maximum Voltage: 58 Volts DC
Maximum Amperage: 300 Amperes DC
Fuses Available: 30-300 Amperes DC





ORDER NO.	Mfr. No.	Terminal Stud
738-51910	5191	30A

ORDER NO.	Mfr. No.	Amp Rating	Pole Type	Colour
051-50400	CB50400	5	Single	Black
051-50410	CB50410	10	Single	Black
051-50420	CB50420	25	Single	Black
051-50430	CB50430	25	Single	White
051-50440	CB50440	40	Single	Black
051-50450	CB50450	50	Single	Black
051-50460	CB50460	30	Double	White
051-50470	CB50470	50	Double	White

STD TOGGLE CIRCUIT BREAKERS

- Compatible with AC & DC circuits
- Exact OEM replacement for many top brands
- Hydraulic-magnetic trip mechanism will not trip by surges caused by start-up currents
- Standard safety 'trip free' feature so switch cannot be held 'ON'

051-50410 051-50470

NEW!

FLUSH/PANEL MOUNT CIRCUIT BREAKERS

NEW!

- 1/4" Stainless steel studs on the face of the circuit breaker for easy installation
- Connected terminal boots
- Combined use as a switch & circuit protection
- Standard safety 'trip free' feature so switch cannot be held 'ON'
- Ignition protected design for safe use in below deck boat applications

051-50530

051-50620

ORDER NO.	Mfr. No.	Amp Rating	Mount
051-50520	CB50520	25	Flush
051-50530	CB50530	30	Flush
051-50540	CB50540	40	Flush
051-50550	CB50550	50	Flush
051-50560-CB	CB50560	80	Flush
051-50570	CB50570	100	Flush
051-50580	CB50580	135	Flush
051-50590	CB50590	150	Flush
051-50600	CB50600	200	Flush
051-50610	CB50610	40	Panel
051-50620	CB50620	50	Panel
051-50630	CB50630	60	Panel
051-50640	CB50640	80	Panel
051-50650	CB50650	100	Panel
051-50660	CB50660	150	Panel
051-50670	CB50670	200	Panel

- Ignition Protected
- Waterproof
- Can be used as switch & circuit breaker
- Replaces Minnkota MKR-19
- Rated - 60 A
- Maximum voltage 42 VDC
- Stainless steel Hardware
- Display packages

ORDER NO. 051-60000-1 Mfr. No. CB60000-1

COMPLETE AUDIBLE WARNING KIT

Contains:

-Mfr. No. OP22900 Oil pressure switch 6 PSI (1/8" - 27)
-Mfr. No. TS25101 Temperature switch (3/8" - 18)
-Mfr. No. MC33502 Buzzer switch
-Mfr. No. OP22891 Optional oil pressure switch 15 PSI (1/8" - 27)

ORDER NO. 051-41400 Mfr. No. MP41400

Buzzer alerts operator of high engine temperatures or low engine oil pressure. Kit includes instructions, oil pressure switch (set at 6 PSI) and temperature switch (set at 200° F).

For more information see: www.catalog.sierraparts.com

CIRCUIT BREAKERS

TOGGLE TYPE CIRCUIT BREAKERS

- High quality exact replacement for many top brands
- Colour coded handles for quick identification of AC/DC
- White handles for DC, black handles for AC
- Clamshell packaging

NEW!

051-40251

051-40261

ORDER NO.	Mfr. No.	Amp Rating	Color
051-40201	CB40200	5	White
051-40221	CB40220	10	White
051-40231	CB40230	15	White
051-40241	CB40240	20	White
051-40251	CB40250	35	White
051-40191	CB40190	50	White
051-40261	CB40260	15	Black
051-40271	CB40270	20	Black
051-40281	CB40280	30	Black

PUSH BUTTON RESETTABLE CIRCUIT BREAKERS

- Ignition protected design for safe use in below deck boat applications
- Compatible with AC & DC circuits
- Mounts in 3/8" hole
- White buttons for DC
- Use MP39210 for weatherproof boot nut

** Display packaged

SPECIAL ORDER ITEM

ORDER NO.	Mfr. No.	Amp Rating	Color
051-41100	CB41100	3	White
051-41200	CB41200**	5	White
051-41210	CB41210	10	White
051-41220	CB41220**	15	White
051-41230	CB41230**	20	White
051-41250	CB41250	25	White
051-41260	CB41260	30	White
051-41270	CB41270	40	White

HIGH AMPERAGE CIRCUIT BREAKERS

***Perfect for rigging trolling motors, windlass, & other high amp electrical equipment.**

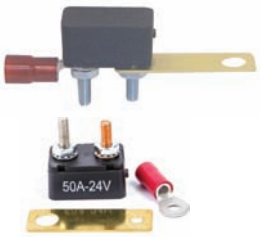
MANUAL RESET

-*INCLUDES STUD MOUNTING PLATE

40 Amp - 12V
ORDER NO. 051-43240 Mfr. No. CB43240

50 Amp - 12V
ORDER NO. 051-43250 Mfr. No. CB43250

50 Amp - 24V
ORDER NO. 051-45250 Mfr. No. CB45250



AUTO RESET

-*INCLUDES STUD MOUNTING PLATE

40 Amp
ORDER NO. 051-42240 Mfr. No. CB42240

50 Amp
ORDER NO. 051-422501 Mfr. No. CB42250-1

ORDER NO.	Mfr. No.	Amp Rating	Pole Type
051-50300	CB50300	5	Single
051-50310	CB50310	10	Single
051-50320	CB50320	15	Single
051-50480	CB50480	20	Single
051-50330	CB50330	30	Single
051-50500	CB50500	30	Double
051-50340	CB50340	50	Single
051-50490	CB50490	50	Double
051-50350	CB50350	60	Single
051-50360	CB50360	80	Single
051-50370	CB50370	100	Single
051-50380	CB50380	150	Double
051-50390	CB50390	200	Double
051-50510	CB50510	100	Double

FLAT ROCKER CIRCUIT BREAKERS

- Compatible with AC & DC circuits
- Exact OEM replacement for many top brands
- Hydraulic-magnetic trip mechanism will not trip by surges caused by start-up currents
- Standard safety 'trip free' feature so switch cannot be held 'ON'

NEW!

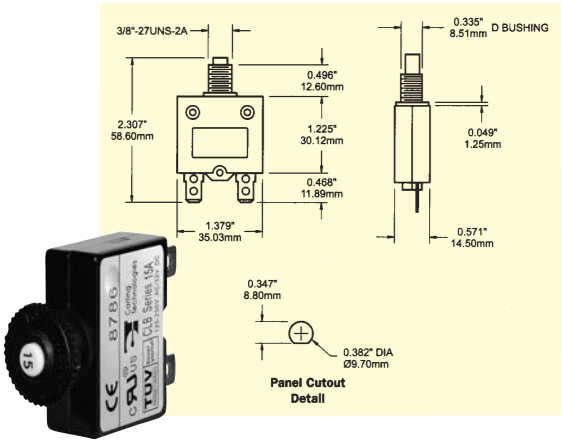
051-50320

051-50380

For more information see: www.catalog.sierraparts.com

PUSH BUTTON RESET-ONLY CLB CIRCUIT BREAKER

- Ideal for 24-hour circuit protection
- Quick connect terminal style circuit breakers are incorporated into Blue Sea Systems' Waterproof Circuit Breaker Panels and Battery Bank Main Distribution Panels
- Push-to-reset operation
- "Trip Free" design cannot be held "ON" during fault current condition
- Ignition protected - Safe for installation aboard gasoline powered boats
- Optional Push Button Waterproof Boot protects circuit breaker in wet environments Order Nos. 738-41350 (Clear) and 738-41370 (Black)
- Marked



ORDER NO.	Mfr. No.	Amperage
738-70500	7050	3A DC
738-70520	7052	5A DC
738-70530	7053	7A DC
738-70540	7054	10A DC
738-70560	7056	15A DC
738-70570	7057	20A DC
738-70580	7058	25A DC
738-70590	7059	30A DC
738-70610	7061	40A DC

285-SERIES THERMAL CIRCUIT BREAKERS

(Replaces 185-Series Circuit Breakers)

Provides circuit protection for 25 to 150 Ampere loads when switching and circuit protection are both required

Features

- Drop in replacement for 185-Series Circuit Breakers
- Visible yellow reset lever shows open condition
- Ignition protected - Safe for installation aboard gasoline powered boats
- Meets SAE J1171 external ignition protection requirements
- Weather Resistant
- Combines switching and circuit breaker function into one unit*
- "Trip Free" - cannot be held closed after trip

***Do not use as a switch where high inrush currents are expected.**

Regulatory

- Marked
- Meets SAE J1171 external ignition protection requirements
- IP67 - Temporary immersion for 30 minutes

SURFACE MOUNT

ORDER NO.	Mfr. No.	Amps
738-71810	7181	30A DC
738-71820	7182	40A DC
738-71830	7183	50A DC
738-71840	7184	60A DC
738-71860	7186	80A DC
738-71870	7187	100A DC
738-71890	7189	150A DC

PANEL MOUNT

ORDER NO.	Mfr. No.	Amps
738-70830	7083	50A DC

187-SERIES THERMAL CIRCUIT BREAKER

- Combines switching and circuit protection into a single device*
- Large Clearance around terminal studs accept heavy gauge wire lugs
- Clear, single lever operation
- Robust 5/16 M8 terminals provide high torque connections
- "Trip Free" design cannot be held "ON" during fault current

***Do not use as a switch where high inrush currents are expected.**

- Large lever with vertical/horizontal orientation provides indication of trip condition status
- Waterproof
- Ignition protected
  - Safe for installation aboard gasoline powered boats
- Recessed mounting holes for clean appearance

PANEL MOUNT

ORDER NO.	Mfr. No.	Amperage
738-70350	7035	25A DC
738-70360	7036	30A DC
738-70380	7038	40A DC
738-70390	7039	50A DC
738-70400	7040	60A DC
738-70410	7041	70A DC
738-70420	7042	80A DC
738-70430	7043	90A DC
738-70440	7044	100A DC
738-70460	7046	120A DC
738-70470	7047	135A DC
738-70480	7048	150A DC

Regulatory

- Marked
- Meets SAE J1171 external ignition protection requirements

SURFACE MOUNT

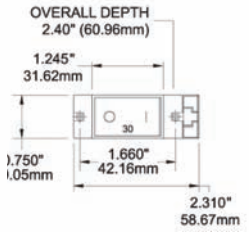
ORDER NO.	Mfr. No.	Amperage
738-71350	7135	25A DC
738-71360	7136	30A DC
738-71380	7138	40A DC
738-71390	7139	50A DC
738-71400	7140	60A DC
738-71410	7141	70A DC
738-71420	7142	80A DC
738-71430	7143	90A DC
738-71440	7144	100A DC
738-71460	7146	120A DC
738-71470	7147	135A DC
738-71480	7148	150A DC

- IP66 - Withstands water from high seas

BLUE SEA SYSTEMS

A-SERIES ROCKER CIRCUIT BREAKERS

- White actuator indicates OFF position
- Single pole is available in Flat Rocker and Restricted Off styles
- Single pole is frequently used for AC or DC Branch circuit protection
- Double pole is available in Flat Rocker and Raised Rocker styles
- Double pole is typically used for AC Main circuit protection
- Raised Rocker actuator style is used for AC source selection on the 360 Panel System
- International ON and OFF symbols support vertical or horizontal mounting



Single Pole, AC/DC

ORDER NO.	Mfr. No.	Amperage
738-73990	7399	2.5A

Specifications

Voltage Max. Operating:	32V DC / 240V AC
Temperature Min. Operating:	-40°C
Temperature Max. Operating:	85°C
Switching Cycles:	10,000 @ rated amps and volts
Type:	Magnetic Hydraulic – Trip free
Terminal Screw:	#10-32 Stainless Steel
Terminal Screw Torque:	14–15 in-lb Recommended (load terminal is 30° angled)
Trip Time Delay:	See www.bluesea.com
Mounting Screw:	#6-32 Stainless Steel (included)
Mounting Screw Torque:	6–8 in-lb Recommended

Regulatory
CE marked, TUV certified, CSA certified, UL 1077 recognized

MARINE GRADE SHORT STOP CIRCUIT BREAKERS

Use a Circuit Breaker instead of a Fuse

- Designed with corrosion resistant materials to withstand harsh environments
- IP64 water resistant boot protects against dust and splashing water
- Push-to-reset operation only disconnects when tripped
- Stainless steel nyloc nuts for secure connections

ORDER NO.	Mfr. No.	Amps
738-71510	7151	10A
738-71520	7152	15A
738-71530	7153	20A
738-71540	7154	25A
738-71550	7155	30A
738-71560	7156	40A
738-71570	7157	50A
738-71600	7160	Insulating Boot

IGNITION PROTECTED

Specifications

Interrupting Capacity:	2,500A@28V DC
Voltage Max. Operating:	28V DC
Temperature Min. Operating:	-10°C
Temperature Max. Operating:	60°C
Type:	Thermal trip, manual reset
Terminal Screw:	#10-32 Studs
Terminal Screw Torque:	24 in-lb. max.
Trip Time Delay:	See www.bluesea.com

Regulatory: IP64, SAE J553, meets SAEJ1171 external ignition

ATO®/ATC®-STYLE LOW PROFILE CIRCUIT BREAKERS

NEW!

Use a manually resttable circuit breaker instead of an ATO or ATC fuse

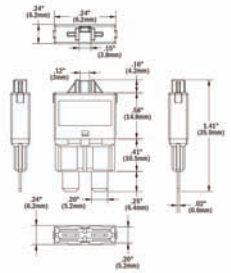
- Drop in replacement for ATO and ATC bladestyle fuses
- Manual push button reset complies with ABYC circuit protection requirements
- Compatible with Water-Resistant ST-Blade Fuse Block with cover secured
- Compatible with all other ST-Blade Fuse Blocks without cover

Features:

- Interrupting Capacity: 2,000A @ 28V DC
- Voltage Max. Operating: 32V DC
- Temp Min. Operating: -40˚C
- Temp Max. Operating: 85˚C
- Type: Thermal trip, manual set
- Trip Time Delay: See www.bluesea.com

Regulatory
SAE J553, UL1500, ISO 10924, SAE J1171, meets external ignition protection requirements

IGNITION PROTECTED

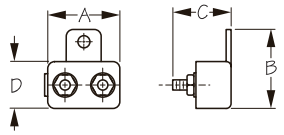


ORDER NO.	Mfr. No.	Amps	Colour	Qty/Pack
738-70620	7062-BSS	5A	Light Brown	2
738-70630	7063-BSS	7.5A	Brown	2
738-70640	7064-BSS	10A	Red	2
738-70650	7065-BSS	15A	Blue	2
738-70660	7066-BSS	20A	Yellow	2
738-70670	7067-BSS	25A	White	2
738-70680	7068-BSS	30A	Green	2

RESETTABLE CIRCUIT BREAKER

Stamped Brass/Injection Molded Nylon + Polycarbonate

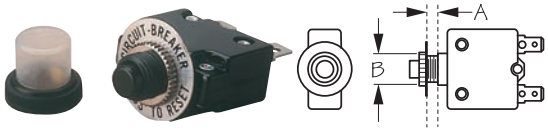
Resettable inline circuit breaker with manual reset button for use with higher amperage accessories. Complies with SAE Standard J553 and SAE J1171 (Ignition Protected).. Splash Proof. May be used on 12 V or 24 V systems.



ORDER NO.	Mfr. No.	Amps	Volts	Cover Incl.	A	B	C	D
424-20842	420842-1	20	12 or 24	No	1-5/16"	1-7/16"	1-3/8"	7/8"
424-20852	420852-1	20	12 or 24	Yes	1-5/16"	1-7/16"	1-3/8"	7/8"
424-20843	420843-1	30	12 or 24	No	1-5/16"	1-7/16"	1-3/8"	7/8"
424-20853	420853-1	30	12 or 24	Yes	1-5/16"	1-7/16"	1-3/8"	7/8"
424-20844	420844-1	40	12 or 24	No	1-5/16"	1-7/16"	1-3/8"	7/8"
424-20854	420854-1	40	12 or 24	Yes	1-5/16"	1-7/16"	1-3/8"	7/8"
424-20845	420845-1	50	12 or 24	No	1-5/16"	1-7/16"	1-3/8"	7/8"
424-20855	420855-1	50	12 or 24	Yes	1-5/16"	1-7/16"	1-3/8"	7/8"

THERMAL AC/DC CIRCUIT BREAKERS

Stamped Brass/Molded Bakelite

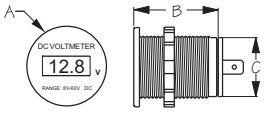


ORDER NO.	Mfr. No.	Amps	A	B	UL Listed
424-20810	420810-1	10	1-3/8"	7/16"	A-0701
424-20820	420820-1	20	1-3/8"	7/16"	A-0701

ROUND OLED DC VOLTMETER

NEW!

Injection Molded Nylon



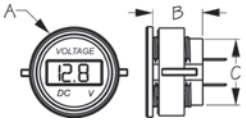
• Waterproof IP66 rating.

ORDER NO.	Mfr. No.	A	B	C	Volts
424-21600	421600-1	1-7/16"	3/4"	1-1/8"	8-60

Designed to withstand constant vibration and the rigors of a marine environment. Monitors voltage on a bright, waterproof, daylight readable OLED screen. High contrast and resolution make this screen visible from a wide viewing angle, even with polarized sunglasses. Reverse polarity protected. Constructed of injection molded nylon with terminal spade contacts. Installation is as easy as drilling a 1-1/8" hole, inserting the socket body, tightening the locking nut, & connecting the wires. Also fits Sea-Dog® Power Socket Shell (424-26100) & mounting bracket (CC #424-26105).

ROUND DIGITAL VOLTAGE METER

Injected Molded Nylon

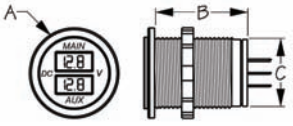


ORDER NO.	Mfr. No.	A	B	C	Volts
424-21615	421615-1	1-7/16"	3/4"	1-1/8"	4-30

Compact size allows for installation in a variety of locations – the same round size as a standard 12V receptacle. For interior or fully protected locations only.

DUAL ROUND VOLTMETER

Injected Molded Nylon

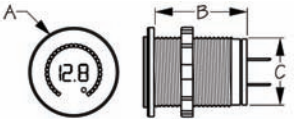


ORDER NO.	Mfr. No.	A	B	C	Volts
424-21616	421616-1	1-7/16"	1-3/8"	1-1/8"	10-48

Displays voltage for main and auxiliary batteries simultaneously. The same compact round size as a standard 1-1/8" socket allows this voltmeter to be installed in a wide variety of locations. Red LED display. Input 10V-48V. IP65 rating.

RAINBOW DISPLAY DIGITAL VOLTAGE METER

Injected Molded Nylon



ORDER NO.	Mfr. No.	A	B	C	Volts
424-21617	421617-1	1-7/16"	3/4"	1-1/8"	5-15

The rainbow dial digital voltmeter gives the user quick visual color-coded voltage information. Red/yellow means the voltage is too low. Green means voltage is normal. The same compact round size as a standard 1-1/8" socket allows this voltmeter to be installed in a wide variety of locations. Rainbow LED display. For use with 12V systems. IP65 rating.

SEA-DOG LINE QUALITY MARINE GEAR

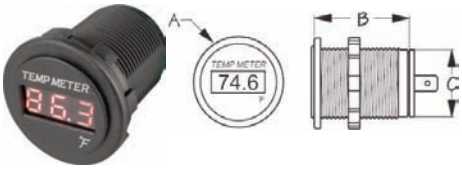
TEMPERATURE METER

NEW!

Injected Molded Nylon

ORDER NO.	Mfr. No.	A	B	C	Volts	Temp Range
424-21618	421618-1	1-7/16"	1-1/16"	1-1/8"	12-24	-67˚F to 248˚F

Temperature meter includes a prewired temperature sensor with a 6' cable. Monitors temperature on a bright LED screen. Reverse polarity protected. Same compact round size as a standard 12 VDC receptacle, this temperature meter supports many installation options. Installation is as easy as drilling a 1-1/8" hole, inserting the socket body, tightening the locking nut, and connecting the wires. IP67 waterproof rating.

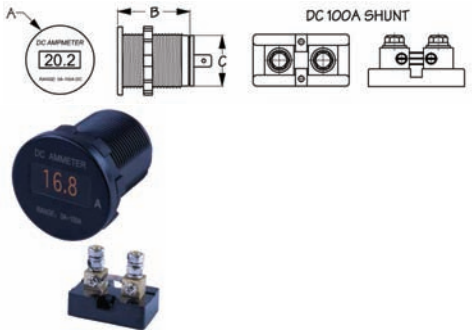


ROUND OLED 100 AMMETER

Injected Molded Nylon

ORDER NO.	Mfr. No.	A	B	C	Volts	Amps
424-21620	421620-1	1-7/16"	3/4"	1-1/8"	12-24	100

Designed to withstand constant vibration and the rigors of a wet marine or dusty outback environment. Monitors amperage on a bright, waterproof, daylight readable OLED (Organic LED) screen. High contrast and resolution make this screen visible from a wide viewing angle, even with polarized sunglasses. Reverse polarity protected. Same compact round size as a standard 12V receptacle, this OLED amperage meter provides many installation options. Injection molded nylon construction. IP66 rating. Includes 100A/50mv shunt.

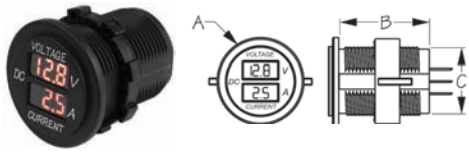


ROUND DIGITAL VOLTAGE METER

Injected Molded Nylon

ORDER NO.	Mfr. No.	A	B	C	Volts	Amps
424-21625	421625-1	1-7/16"	1-3/8"	1-1/8"	4-30	10

Compact size allows for installation in a variety of locations – the same round size as a standard 12V receptacle. For interior or fully protected locations only. DC shunt not required.

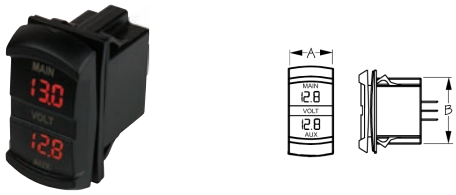


DUAL VOLTMETER ROCKER SWITCH STYLE

Injected Molded Nylon

ORDER NO.	Mfr. No.	A	B	Volts
424-21636	421636-1	13/16"	1-7/16"	10-48

Monitors and displays the voltage for main and auxiliary batteries simultaneously. Injection molded nylon construction. Fits into any 13/16" x 1-7/16" rocker switch hole. Digital red LED display. Input 10V-48V. IP 65 rating.



DUAL VOLT/AMP METER ROCKER SWITCH STYLE

Injected Molded Nylon

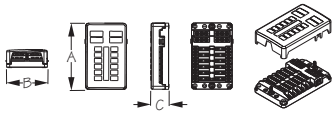
ORDER NO.	Mfr. No.	A	B	Volts	Amps
424-21645	421645-1	13/16"	1-7/16"	4-30	10

This rocker switch style dual volt/amp meter monitors and displays the voltage and amps simultaneously. Fits into any 13/16" X 1-7/16" rocker switch hole. Digital red LED display. Input 6-30VDC. IP65 rating.

LED INDICATOR FUSE BLOCK

NEW!

Nickel Plated Copper/Stainless Steel/Injection Molded ABS



• Waterproof IP67 rating.

ORDER NO.	Mfr. No.	Terminals	A	B	C	Fastener
424-45185	445185-1	6	3-7/16"	3-3/8"	1-7/16"	#8 FH
424-45188	445188-1	12	5-1/2"	3-3/8"	1-7/16"	#8 FH

Used to provide over-current protection to help protect wiring in electrical circuits. Features a LED indicator which lights up when the fuse is blown. For use with Sea-Dog® ATO/ATC (445101-CC # 424-45130, CC # 424-45190, 445156, and 445157; sold separately) and ATM mini style fuses (445002-445030, CC # 424-45090; sold separately). Main line terminal rating is 100A 32VDC max, with M5 metric threaded studs. Single line terminal rating is 30A 32VDC max, with M4 metric threaded studs. Includes semi-transparant cover and 71 labels. Installs with four #8 FH fasteners (not included).

SPECIAL ORDER ITEM

ST BLADE BATTERY TERMINAL MOUNT FUSE BLOCK WITH COVER (Screw Terminal)

Easily add up to 4 fused circuits with isolating cover to the terminal of a battery. Provides power to new accessories in your boat or vehicle.

FEATURES:

- Easy to install 4 ATO®/ATC® fused circuits
- Mounts on the battery terminal stud
- Screw terminals for securing wires
- Four nylon insulated ring terminals included
- Insulated cover included
- Accepts small format circuit labels
- Includes 1 fuse

REGULATORY:

Designed to meet iso 8846 and SAE J1171 external ignition protection requirements pending testing.

ORDER NO.	Mfr. No.
738-50230	5023-BSS

SPECIFICATIONS:

Voltage Max. Operating	32V DC
Amperage Max. Operating	30A (per circuit)
Amperage Max. Operating	40A (per block)
Fuse Type	ATO® or ATC® Fuses
Screw Terminal	#8-32 Screws with captive star lock washer
Mounting Thru-hole	Clearance for 3/8" (M10) stud

ST BLADE BATTERY TERMINAL MOUNT FUSE BLOCK KIT WITH COVER (Screw Terminal)

Easily installed battery terminal mount 4 ATO® / ATC® Fuse Block and negative busbar

FEATURES:

- Easy to install 4 ATO®/ATC® fused circuits
- Mounts on the battery terminal stud
- Screw terminals for securing wires
- Eight nylon ring terminals included
- Includes #5023 (CC #738-50230) & #2340 (CC #738-23400)
- Insulated cover included

ORDER NO.	Mfr. No.
738-50240	5024-BSS

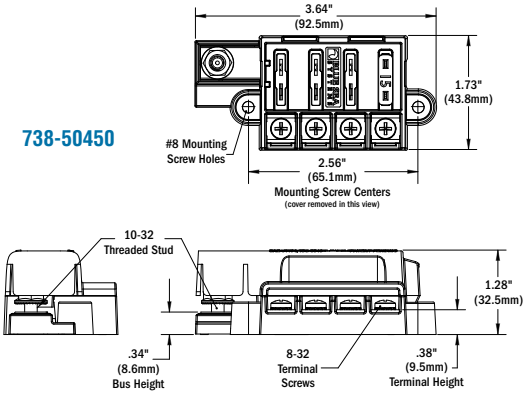
ST BLADE COMPACT FUSE BLOCKS

Common Source

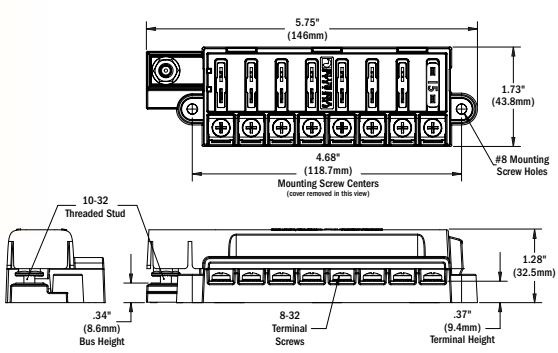
Provides surface mount circuit protection for ATO®/ATC® Fuses in a compact footprint. The single side design allows wire entry from one side to maximize space.

- Compact common source fuse block
- Accepts ATO® and ATC® fast acting blade fuses
- Single side entry wiring
- Ignition Protected-meets ISO 8846 and SAE J1171 for use in a gasoline engine compartment
- Insulating cover meets ABYC/USCG insulation requirements
- Tin-plated copper buses and fuse clips
- Accepts ring or snap fork type terminals
- Small format standard and custom labels available
- Fuses sold separately

738-50450



738-50460



SPECIFICATIONS:

Voltage Max. Operating	32V DC
Amperage Max. Operating	30A (per circuit)
Amperage Max. Operating	100A (per block)
Fuse Type	ATO® or ATC® Fuses
Screw Terminal	#8-32 Screws with captive star lock washer
Mounting Thru-hole	#8 Screw (M4)

ORDER NO.	Mfr. No.	Circuits	Cover
738-50450	5045-BSS	4	Yes
738-50460	5046-BSS	8	Yes

For more information see: www.bluesea.com

BLUE SEA SYSTEMS

SAFETYHUB 100 FUSE BLOCK

The SafetyHub 100 combines an ignition protected fuse block and integrated connecting plugs. It is safe for use on gasoline powered boats, reduces wiring connections, and consolidates up to seven fused circuits.

- Accepts three MIDI® or AMI® fuses for high-amp circuits including panel feeds, windlasses, and stereo amplifiers
- Accepts four ATO® or ATC® fuses for circuits including bilge pumps, electronics and lights
- Sealed cover protects fuses from the harsh marine environment and satisfies ABYC/USCG insulation requirements
- Integrated connector plug eliminates loose wires and provides a secure, waterproof connection
- Fuses sold separately *(See Page 311)*

738-77250

Specifications:

Amperage Max. Operating (Combined) 280A
Voltage Nominal Operating . . . . . .12V DC
Minimal Cable Size to meet Ratings . . . . . .4/0 AWG (120 mm^2)
Recommended Ring Terminal . . . . . .M8 (5/16")

Regulatory

- CE Marked
- Meets ISO 8846 ignition protection, and SAE J1171 external ignition protection requirements
- IP66— protected against powerful water jets

ORDER NO.	Mfr. No.	Description
738-77250	7725-BSS	SafetyHub 100 Fuse Block

SAFETYHUB 150 FUSE BLOCK

The SafetyHub 150 is an ignition protected fuse block with screw termination. It is safe for use on gasoline powered boats, reduces wiring connections, and consolidates up to ten fused circuits. It can be used for Main or Branch DC power distribution

- Four 30A–200A MIDI®/AMI® fuses ideal for high-amp circuits including panel feeds, windlasses, and stereo amplifiers
- Six 1A–30A ATO®/ATC® fuses ideal for low-amp circuits including bilge pumps, electronics, and lights
- Sealed cover protects fuses from the harsh marine environment: IP66 rating—protected against powerful water jets
- Negative bus provides common location for negative collection
- Circuit identification label with write-on capability
- Fuse puller easily removes ATO®/ATC® fuses
- Cover provides storage space for two spare ATO®/ATC® fuses and two spare MIDI®/AMI® fuses
- NYPATCH coated MIDI®/AMI® fuse screws resist loosening over time
- Ignition protected fusing meets Coast Guard and ABYC requirements for installation on gasoline or diesel powered boats
- Fuses sold separately *(See Page 311)*

738-77480

Regulatory

- CE Marked
- Meets ISO 8846 ignition protection, and SAE J1171 external ignition protection requirements
- IP66— protected against powerful water jets

ORDER NO.	Mfr. No.	Description
738-77480	7748-BSS	SafetyHub 150 Fuse Block

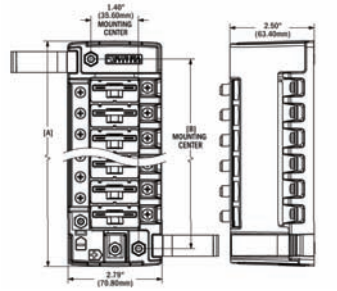
ST CLB CIRCUIT BREAKER BLOCK - 6 POSITION

Compact surface mount solution providing secure screw termination where Push Button Reset-Only CLB Breakers are desired

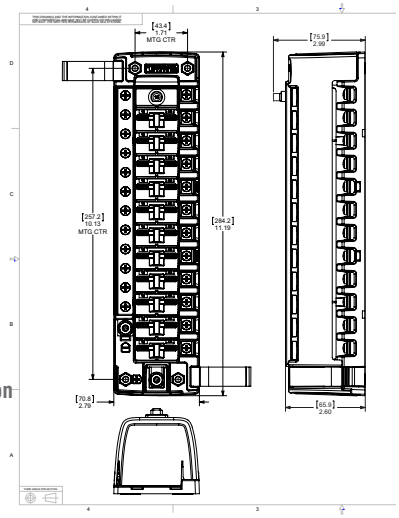
Features

- Quick connect clips allow circuit breakers to snap easily into place
- Tin-plated copper busses and screw terminals
- Clear insulating cover with square format label recesses, satisfies ABYC/USCG insulation requirements
- Breakouts allow wire access in two directions
- Accepts ring terminals
- Optional push button waterproof boots 738-41350 (Clear), 738-41370 (Black) or dress nuts can be installed over cover
- Accepts square labels
- Optional jumper **#5049**, (for use with 5050 & 5051
- Circuit breakers sold separately. ***(See Page 319)***

6 position



12 position



Specifications:

Voltage Max Operating . . . . . .32 V DC
Amperage Max. Operating . . . . . .32A (per circuit)
Amperage Max. Operating . . . . . .100A (per block - common source)
Amperage Max. Operating . . . . . .40A (per jumped circuit group - independent source)
Temperature Min. Operating . . . . . .-10˚C to 60˚C
Breaker Type . . . . . .Push Button Reset - Only Circuit Breaker with Quick Connect Terminals
Screw Terminal . . . . . .#8-32 Screw with Captive Star Lock Washer
Mounting . . . . . .#8 Screw (M4) or #8 Nut
Ring Terminals . . . . . .Screw Terminals #8 (M4), Neg. Bus #10 (M5)
Stud Size 10-32 (M5)

ORDER NO.	Mfr. No.	Positions	Negative Bus	Source	(A) Mounting Centers inches (mm)	(B) Mounting Centers inches (mm)	(C) Height in (mm)
738-50500	5050-BSS	6	NEW! -	Independant	5.63 (142.9)	1.40 (35.6)	6.69 (169.9)
738-50510	5051-BSS	12	-	Independant	10.13 (257.2)	1.71 (43.4)	11.19 (284.2)
738-50520	5052-BSS	6	#10-32 stud	Common	5.63 (142.9)	1.40 (35.6)	6.69 (169.9)
738-50540	5054-BSS	12	#10-32 stud	Common	10.13 (257.2)	1.71 (43.4)	11.19 (284.2)

Have a Technical Question?

Contact our Technical Support Staff
email: techsupport@ccmarine.ca

BLUE SEA SYSTEMS

ST BLADE WATER-RESISTANT FUSE BLOCK

Provides water-resistant circuit protection for ATO/ATC fuses & circuit breakers in a compact footprint

Features:

- Water-resistant IP66 design
- Accepts standard ring or fork type terminals to allow for simple wiring with standard tools
- Accepts a wide range of wire sizes
- Integral plugs maintain water-resistant rating if less than four loads are required
- Accepts ATO and ATC fast-acting blade fuses
- Accepts ATO/ATC-Stlyle low profile circuit breakers
- Nests with ST-Blade Water-Resistant Fuse Block (5056 or 5056100) & Water-Resistant 100A Bus Bar (2356 or 2356100)
- Tin-plated copper busses and fuse clips
- Includes four write-on circuit labels
- Small format standard & custom labels available
- Spare fuse & fastener storage in cover
- Fuses sold separately *(See Page 311)*

Regulatory For an ABYC/USCG compliant design use #738-5056100
CE marked, IP66 - protected against powerful water jets

738-50560

738-5056100

NEW!

SPECIFICATIONS:

Voltage Max. Operating	32V DC
Amperage Max. Operating	80A (per block/ 25A per circuit)
Fuse Type	ATO® or ATC® Fuses & circuit breakers
Input Wire Size	(1) 8 AWG to 4 AWG
Load Wire Size	(4) 16 AWG to 10 AWG
Bus Material	Tin-Plated Copper C11000
Mounting Thru-hole	Accepts 1/4" (6 mm) screws
Screw Terminal	(4) #8-32 Screws with captive star lock washer
Stud Terminal	(1) #10-32

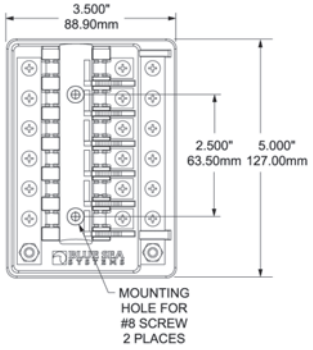
ORDER NO.	Mfr. No.	Description
738-50560	5056-BSS	#8 Screw cover *(NOT ABYC/USCG Compliant)*
738-5056100	5056100-BSS	Manual cover w/ Yellow Wing Screws

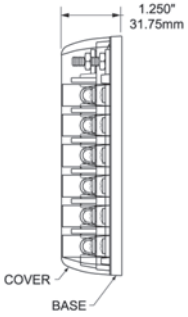
ST GLASS FUSE BLOCK (Screw Terminal)

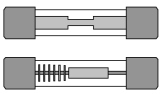
- Clear insulating cover with label recesses accepts Large Format Labels
- Cover insulates all conductive parts, satisfying ABYC/USCG requirements and storing spare fuses
- Tin-plated copper buses and Phosphor Bronze fuse clips give 30 Ampere rating per circuit
- Accepts AGC (Fast Acting), MDL (Time-Delay) and all other 3AG Glass Fuses

ORDER NO.	Mfr. No.	Description
738-50150	5015-BSS	6 Circuit with negative bus

738-50150
With Negative Bus







AGC Fuse

MDL Fuse

@ Have a Technical Question?

Contact our Technical Support Staff
email: techsupport@ccmarine.ca

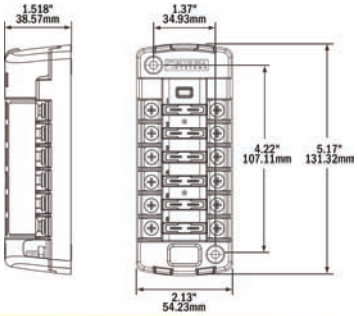
ST BLADE INDEPENDENT SOURCE FUSE BLOCKS WITH COVER (Screw Terminal)

ATO®/ATC® fuse block consolidates branch circuits and eliminates in-line fuses

FEATURES:

- Can be used for 24-hour circuits and switched circuit in same block
- Screw terminals for securing wires accept ring terminals
- Clear insulating cover with label recesses and storage for one fuse, satisfies ABTC/USCG insulation requirements
- Easy to open, push button latch for easy access to fuses
- Tin-plated copper buses and fuse clips
- Fuse block with cover includes 20 write-on circuit labels and two terminal block jumpers Order No.738-92170
- Fuses sold separately ***(See Page 311)***

ORDER NO.	Mfr. No.	Description
738-50350	5035-BSS	6 Circuit



SPECIFICATIONS:

Voltage Max. Operating	32V DC
Amperage Max. Operating	30A (per circuit)
Amperage Max. Operating	40A (per jumped circuit group)
Fuse Type	ATO® or ATC® Fuses
Screw Terminal	#8-32 Screws with captive star lock washer
Mounting	#8 Screw (M4)

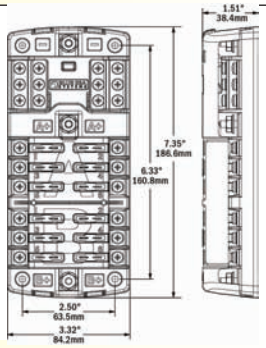
ST BLADE SPLIT BUS FUSE BLOCK WITH COVER (Screw Terminal)

Split ATO®/ATC® fuse block with ground and insulating cover. For use when a mix of switched and 24-hour circuits are desired in the same block.

FEATURES:

- Provides two insulated groups of six ATO®/ATC® circuits
- For use with either two isolated batteries or with a single battery providing a mix of 24 hour and switched circuits
- Screw terminals for securing wires accept ring terminals
- One-piece stainless flange nuts ensure safe and secure connections
- Clear insulating cover with label recesses and storage for two fuses, satisfies ABYC/USCG insulation requirements
- Easy to open, push button latch for easy access to fuses
- Tin-plated copper buses and fuse clips
- Fuses sold separately ***(See Page 311)***

ORDER NO.	Mfr. No.	Description
738-50320	5032-BSS	12 Circuit



SPECIFICATIONS:

Voltage Max. Operating	32V DC
Amperage Max. Operating	30A (per circuit)
Amperage Max. Operating	100A (per block)
Fuse Type	ATO® or ATC® Fuses
Screw Terminal	#8-32 Screws with captive star lock washer
Mounting	#8 Screw (M4)

ST BLADE FUSE BLOCKS WITH COVER (Screw Terminal)

- Positive distribution bus with #10-32 stud
- Can be used for 24-hour circuits
- Models available with or without a cover
- Cover satisfies ABYC/USCG requirements for insulation, incorporates an easy to open push button latch providing easy access to fuses, storage for two spare fuses, and label recesses that accept Blue Sea Systems' Small Format Labels for circuit identification
- Fuse blocks with covers include 20 write-on circuit labels
- Tin-plated copper buses and fuse clips
- Accepts ring or snap fork type terminals
- Accepts ATO® and ATC® fast acting blade fuses
- Fuses sold separately ***(See Page 311)***

ORDER NO.	Mfr. No.	Description
738-50280	5028-BSS	6 Circuit
738-50250	5025-BSS	6 Circuit with Negative Bus
738-50260	5026-BSS	12 Circuit with Negative Bus

For more information see: www.bluesea.com

BLUE SEA SYSTEMS

MINIBUS 100 AMPERE COMMON BUSBARS

- 100 Amps AC/DC continuous rating
- Maximum voltage – 300V AC, 48V DC
- Tin-plated copper bus
- Great for limited space applications
- CE Marked

ORDER NO.	Mfr. No.	Terminal Screw	Terminal Stud
738-23040	2304	5 x #8-32	2 x #10-32
738-23140*	2314	5 x #8-32	2 x #10-32
738-23050	2305		4 x #10-32

* With Cover

ORDER NO.	Mfr. No.	Description
738-27130	2713	Cover only for minibus 2304 & 2305

738-23040

738-23140

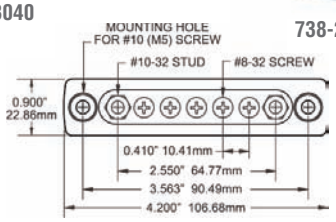


Diagram for 2304 & 2314

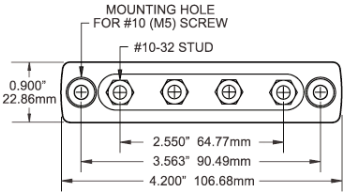


Diagram for 2305

738-23050

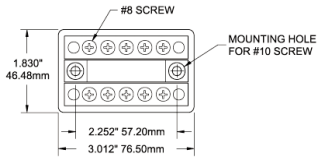
738-27130

DUALBUS 100 AMPERE COMMON BUSBARS

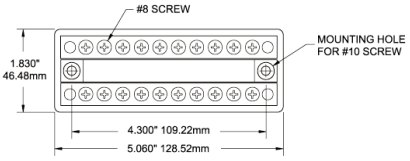
- 100 Amps AC/DC continuous rating
- Maximum voltage – 300V AC, 48V DC
- Combines negative and positive buses on one block
- Tin-plated copper bus material
- CE Marked

ORDER NO.	Mfr. No.	Description
738-27010	2701	5 x 8-32 Screw Terminal
738-27020	2702	10 x 8-32 Screw Terminal

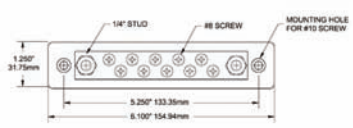
738-27010



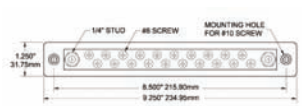
738-27020



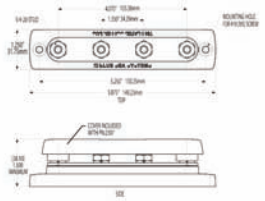
738-23010



738-23020



738-23030



738-27150

Cover for Model No. 2301 & 2303

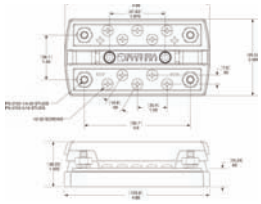
150 AMPERE COMMON BUSBARS

- 130A AC, 150A DC continuous rating
- Maximum voltage – 300V AC, 48V DC
- Tin-plated copper bus material
- CE Marked

ORDER NO.	Mfr. No.	Cover	Terminal Screw	Terminal Stud
738-23010	2301		10 x #8-32	2 x 1/4"-20
738-23000	2300	Yes	10 x #8-32	2 x 1/4"-20
738-23020	2302		20 x #8-32	2 x 1/4"-20
738-23030	2303			4 x 1/4"-20
738-27150	2715	Cover only for 738-23010 & 738-23030		

DUALBUS PLUS 150 AMPERE COMMON BUSBAR

- 130A AC, 150A DC continuous rating
- Maximum voltage – 300V AC, 48V DC
- Combines negative and positive buses on one block
- Clear polycarbonate cover snaps on to meet Coast Guard and ABYC insulation requirements
- Tin-plated copper bus material



ORDER NO.	Mfr. No.	Terminal Screw	Terminal Stud
738-27220	2722	5 x 10-32	2 x 1/4" - 20 Stud

MAXIBUS 250A COMMON BUSBARS

Now with insert-molded stainless steel studs and
optional fully enclosed insulating base and cover

- Insulating cover with breakouts for easy wire access
- Insulating cover meets ABYC insulation requirements
- One-piece serrated flange nuts ensure correct and secure connections

Specifications:

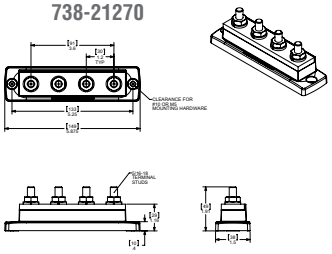
Continuous Rating	250A AC/250A DC
Voltage Max. Operating	300V AC/48V DC
Mounting Holes	Accepts #10 (M5) Screws
Bus Material	Tin-Plated Copper C11000

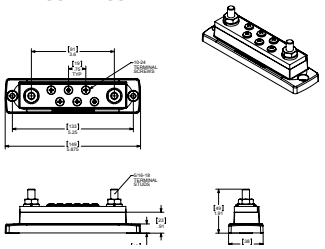
Regulatory:

- CE Certified

738-21270

738-21280





ORDER NO.	Mfr. No.	Terminal Studs	Terminal Screws	(A) Length in (mm)	(B) Mounting Centers in (mm)
738-21270	2127	4 x 5/16" -18		5.875 (149.00)	5.25 (133.00)
738-21280	2128	2 x 5/16" -18	6 x #10" -24	5.875 (149.00)	5.25 (133.00)
738-27190	2719	Cover only for 2127 & 2128		6.70 (170.00	4.10 (104.10)

738-27190

TERMINAL BLOCKS

Fully insulated independent terminal blocks to isolate circuits

Specifications:

Bus Material	Nickel-Plated Brass

Regulatory:

- CE Certified

738-24080

738-25060

ORDER NO.	Mfr. No.	Circuits	AC/DC	AC/DC	Terminal Screw	Drawing Number	(A) length in (mm)	(B) Mounting Centers in (mm)
738-24040	2404	4	20	300	#6	1	2.16 (54.86)	1.88 (47.75)
738-24060	2406	6	20	300	#6	1	2.91 (73.91)	2.63 (66.80)
738-24080	2408	8	20	300	#6	1	3.66 (92.96)	3.38 (85.85)
738-24100	2410	10	20	300	#6	1	4.41 (112.01)	4.13 (104.90)
738-25020	2502	2	30	600	#8	2	2.13 (54.1)	1.69 (42.93)
738-25040	2504	4	30	600	#8	2	3.25 (82.55)	2.81 (71.37)
738-25060	2506	6	30	600	#8	2	4.38 (111.25)	3.93 (99.82)
738-25080	2508	8	30	600	#8	2	5.50 (139.7)	5.05 (128.27)
738-25100	2510	10	30	600	#8	2	6.63 (168.4)	6.17 (156.72)
738-25120	2512	12	30	600	#8	2	7.75 (196.85)	7.29 (185.17)

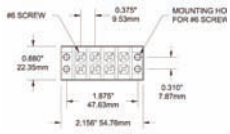


Diagram for #2404-2410

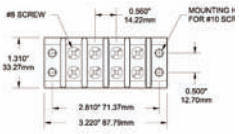


Diagram for #2502-2512

POWERBAR 600 AMPERE COMMON BUSBAR

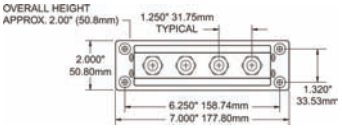
Highest amperage Busbar with 3/8" terminal studs

Specifications:

Continuous Rating	545A AC/600A DC
Voltage Max. Operating	300V AC/48V DC
Bus Material	Tin-Plated Copper CDA110/UNS11000

Regulatory:

- CE Certified



738-21040

738-27080

ORDER NO.	Mfr. No.	Terminal Studs	Terminal Screws	(A) length in (mm)	(B) Mounting Centers in (mm)
738-21040	2104	4 x 3/8"-16	4 x #8-32	7.0 (177.8)	6.25 (158.74)
738-27080	2708	Cover Only for #2104			

POWERBAR 1000 - 1000A COMMON BUSBARS WITH COVER

Complex wiring systems require a single point to consolidate large and small conductors. The PowerBar 1000 offers a 1,000 Amp busbar with various size studs and screws to connect conductors and fuse blocks.

Specifications:

Continuous Rating	1000A
Voltage Max. Operating	150V AC/DC
Mounting Holes: Accepts #10 (MS) Screws	
Bus Material	Tin-Plated Copper C11000

738-19900

738-19920

ORDER NO.	Mfr. No.	Cover	Terminal Stud	Terminal Screw
738-19900	1990	Yes	8 x 3/8"- 8	5 x #10-32, 11 x #8-32
738-19920	1992	Yes	8 x 5/16"- 8	5 x #1032, 11 x #8-32

For more information see: www.bluesea.com

FUSE BLOCKS/BUS BARS

ATO/ATC STYLE FUSE BLOCKS

# of Gangs	Mfr. No.	ORDER NO.
6	FS40420	051-40421
4	FS40430	051-40431
14	FS40440	051-40440
10	FS40740	051-40741

- For ATO/ATC fuses
- Interlocking modules snap together
- 1/4" tin plated copper tab terminals
- Flame resistant reinforced polyester base
- Rated 30 Amps per circuit, 160 Amp total for block

WITH GROUND BUS BAR

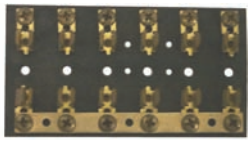
FUSE BLOCK FOR GLASS TUBE FUSES

- Use with SFE, AGC, or MDL fuses up to 20 Amp
- Heavy duty black molded base
- 8-32 terminal screws
- Tin plated brass fuse clips

# of Gangs	Mfr. No.	ORDER NO.
4	FS40510-1	051-405101
6	FS40520-1	051-405201

HOT FEED FUSE BLOCKS

- Use with SFE, AGC, or MDL fuses up to 20 Amp
- Common bus bar connects hot side of fuses for power feed
- Heavy duty black molded base
- 8-32 terminal screws and stud terminal
- Tin plated brass fuse clips



# of Gangs	Mfr. No.	ORDER NO.
6	FS40600-1	051-406001

BUS BAR - DUAL - 150 AMP - 6 GANG

- Combines negative & positive buses in one block
- Brass terminal bar
- Twelve 8-32 screw terminals

NEW!

ORDER NO. 051-40680 Mfr. No. FS40680

CORROSION RESISTANT COMMON BUS BARS

- Use as common hot feed or common ground block
- Tin plated copper bus
- Stainless steel studs & screws
- Large diameter nuts provide large electrical contact area
- Stainless steel screws with lock washers

150 AMP COMMON BUS

- 5 - 8-32 Screw Terminals
- 2 - 10-24 Stud Terminals

Overall size - 4.13"L x.75"W x1.44"H
Mfr. No. FS46100
ORDER NO. 051-46100

- 4 -10-24 Stud Terminals

Overall size - 4.13"L x.75"W x1.44"H
Mfr. No. FS46150
ORDER NO. 051-46150

- 10 - 8-32 Screw Terminals
- 2 - 1/4"-20 Stud Terminals

Overall size - 6"L x 1.25"W x 1.44"H
Mfr. No. FS46200
ORDER NO. 051-46200

- 4 - 1/4"-20 Stud Terminals

Overall size - 6"L x 1.25"W x 1.44"H
Mfr. No. FS46250
ORDER NO. 051-46250

- 20 - 8-32 Screw Terminals
- 2 - 1/4"-20 Stud Terminals

Overall size - 9-1/4"L x 1.25"W x 1.44"H
Mfr. No. FS46400
ORDER NO. 051-46400

- 6 - 1/4"-20 Stud Terminals

Overall size - 9-1/4"L x 1.25"W x 1.44"H
Mfr. No. FS46450
ORDER NO. 051-46450

250 AMP COMMON BUS

- 12 - 8-32 Screw Terminals
- 2 - 1/4"-20 Stud Terminals

Overall size - 7.88"L x 1.5"W x 1.75"H
Mfr. No. FS46300
ORDER NO. 051-46300

- 4 - 1/4"-20 Stud Terminals

Overall size - 7.88"L x 1.5"W x 1.75"H
Mfr. No. FS46350
ORDER NO. 051-46350

BARRIER TYPE JUNCTION BLOCKS

- Each screw pair is 1 isolated circuit
- Closed back insulates power from mounting circuit
- Nickel plated brass bus bar

- 6 Gang Block
- 12 - 10-32 Screw Terminals

Overall size - 4.36"L x 1.312"W x 0.812"H

Mfr. No. FS45630
ORDER NO. 051-45631

- 8 Gang Block
- 16 - 10-32 Screw Terminals

Overall size - 5.33"L x 1.312"W x 0.812"H

Mfr. No. FS45640
ORDER NO. 051-45641

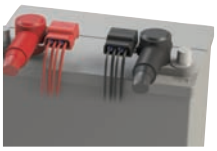
TERMINAL BLOCK JUMPERS

- Jumpers allow creation of common circuits on independent connectors
- 5 Pack

ORDER NO.	Mfr. No.	Description
738-92180	9218	For use with 20A Terminal Blocks (2400 Series)
738-92170	9217	For use with 30A Terminal Blocks (2500 Series)

For more information see: www.bluesea.com

BATTERY TERMINAL MOUNT BUSBARS



Easy to install

Specifications:

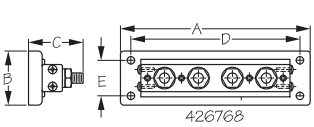
Continuous Rating	100A DC
Voltage Max. Operating	32V DC
Bus Material	Tin-Plated Copper C11000
Mounting Thru-hole	Clearance for Ø3/8 (M10) stud
Screw Terminal	#8-32 Screws with Captive star lock washer

ORDER NO.	Mfr. No.	Description
738-23400	2340	Positive + Negative

SEA-DOG LINE QUALITY MARINE GEAR

BUSS BAR STUD TERMINAL

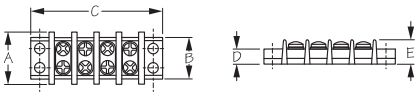
Tin Plated/ABS

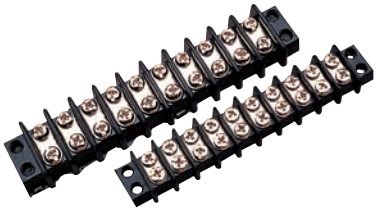


ORDER NO.	Mfr. No.	Terminals	A	B	C	D	E	Amps
424-26738	426738-1	4 x 5/16"-18	8"	1-1/2"	1-5/8"	7-1/8"	N/A	250A

BAKELITE TERMINAL BLOCKS

Stamped Brass/Molded Bakelite

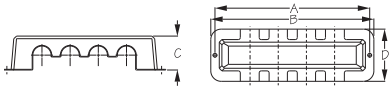




ORDER NO.	Mfr. No.	No. of Term.	Amps	A	B	C	D	E	FASTENER
426-66241	426624-1	4	20	1-1/8"	7/8"	2-1/2"	5/16"	1/2"	#6 RH

BUS BAR STUD TERMINAL COVER

Injection Molded Polystyrene



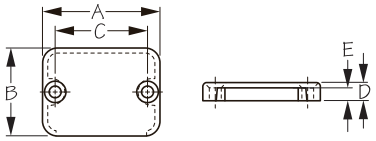
ORDER NO.	Mfr. No.	A	B	C	D
424-26719 / ea.	426719	5-3/16"	4-3/4"	1-1/16"	1-3/4"
		Cover for Mfr. No. 426718-1			
424-26739 / ea.	426739	8-15/16"	9-1/2"	2-3/16"	2-3/4"
		Cover for Part No. 424-26738			

SPECIAL ORDER ITEM

WIRE COVER

Injection Molded ABS

Wire cover designed to cover holes up to 1-1/4" in diameter. Accepts wire up to 3/16" in diameter. Sold as a pair.

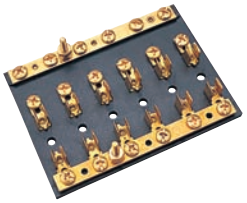


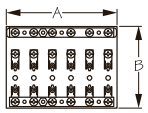
ORDER NO.	Mfr. No.	A	B	C	D	E
424-26090 (pr)	426090-1	2"	1-1/2"	1-9/16"	5/16"	3/16"

BAKELITE FUSE/TERMINAL BLOCK

Stamped Brass/Molded Bakelite

Combination multiple gang fuse blocks with brass fuse clips and screws. Can be used with 1/4" x 1-1/4" fuses for circuit distribution and also features separate grounding terminal bar. Fuses not included.





ORDER NO.	Mfr. No.	Terminals	A	B
424-20544	420544-1	4	3"	3-5/16"
424-20546	420546-1	6	4-1/2"	3-5/16"

For more information see: www.sea-dog.com

PRO INSTALLER BUSBARS

MARINCO BEP PRODUCTS

HEAVY-DUTY BUSBARS

Pro Installer Heavy Duty Busbars provide a robust means to connect (bus) together the multitude large cables found in modern electrical installations. These offer unrivaled flexibility to meet the requirements of any installation, saving significant cost and space.

Specifications:

- 4 Stud-500A busbar: 8 mm (5/16") stainless steel studs
- 3, 5, and 8 stud-650A busbars: 10 mm (3/8") stainless steel studs
- Studs treated with anti-seize lubricant
- 50 VDC
- Tinned CDA102 Copper conductors
- Stainless steel studs, washers, nuts for longevity in the marine environment
- Generous stud lengths, metric threads

Heavy-duty Busbars with cover

ORDER NO.	Mfr. No.	Description	Footprint
777-36500	777-BB3S-650	3 Stud	1 x
777-45000	777-BB4S-500	4 Stud	1 x
777-56500	777-BB5S-650	5 Stud	1.5 x
777-86500	777-BB8S-650	8 Stud	2.5 x

End to End Link Bar Set

Battery Switch Set

Z-Bar Link Bar Set

2-Way to 6-Way Joiners

PRO INSTALLER LINK BARS

Pro Installer link bars provide the fastest and most economical way of connecting the Pro Installer line of products to save space and allow for the most compact installations. The common interconnection height of Pro Installer components allow link bars to quickly and easily convert a group of different products into a functional cluster. Pro installer link bars are made from high purity copper and are tin plated for optimum marine electrical performance. Links can be doubled to accomodate high loads.

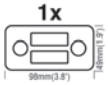
ORDER NO.	Mfr. No.	Description	Amps
779-10002	779-LB-EES	End to End Set	650A per link
779-10004	779-LB-ZS	Z-Bar Set	250A LBZ-1, 400A LBZ-2
779-10001	779-LB-BSS	Battery Switch Set	650A per link
779-10003-2	779-LBJ-2	Side to Side Joiner 2 Way	650A
779-10003-3	779-LBJ-3	Side to Side Joiner 3 Way	525A
779-10003-4	779-LBJ-4	Side to Side Joiner 4 Way	450A
779-10003-5	779-LBJ-5	Side to Side Joiner 5 Way	400A
779-10003-6	779-LBJ-6	Side to Side Joiner 6 Way	350A

Z BUSBAR

Marinco BEP Products have created a completely new concept for small cable termination with the Z-Bar range. These busbars maximize power density by utilizing high and low level bars to optimize cable runs, saving even more installation space.

Specifications:

- 10 Way version
- 4x 6 mm (1/4") studs with anti-seize lubricant
- 4mm (5/32") terminals with captive lock washers
- 200A maximum per bar (2x 200A)
- 50 VDC
- Tinned CDA102 Copper conductors
- Stainless steel studs, washers & nuts for longevity in the marine environment
- Metric threads



Z Busbar with cover

ORDER NO.	Mfr. No.	Description	Footprint
777-10200	777-Z10W-200	10 Way	1 x

INSULATED STUDS

Pro Installer Insulated studs are available in single and twin stud versions, featuring 8 mm (5/16") and 10 mm (3/8") variants.
A double stud version with 10mm and 8mm studs is also included for extending outboard motor cables. The Power Tapping Plate single stud models provide convenient termination points for additional small cables. Pro Installer family features are replicated with these insulated studs, generous stud length, modular footprint, insulating covers with label recess, common interconnection height.

Specifications:

- Power tapping plate: 4x 4 mm (5/16") terminals
- Maximum current through power tapping plate: 50A per terminal (4x 50A maximum)
- Note: no power passes through the stud so no amp rating is given
- 50 VDC
- High temperature, fibre reinforced plastic base provides strength and chemical resistance
- Clear polycarbonate cover with snap-out extra cable access
- Stainless steel studs, screws & nuts for longevity in the marine environment
- Insert moulded studs with metric threads
- Double studs feature 'snap out' insulating partition, to allow linking of studs

IST-10MM-2S

IST-8MM-1SPT

IST-10MM-1SPT

ORDER NO.	Mfr. No.	Description	Footprint
777-00008-1S*	IST-8MM-1S	Single 8mm	0.5x
777-00008-2S†	IST-8MM-2S	Double 8mm	0.5x
777-00010-8MM†	IST-10MM-8MM	Double 10mm/8mm	0.5x
777-00010-1S*	IST-10MM-1S	Single 10mm	0.5x
777-00010-2S†	IST-10MM-2S	Double 10mm	0.5x
777-00008-1SPT*	IST-8MM-1SPT	Single 8mm w/ power tapping plate	0.5x
777-00010-1SPT*	IST-10MM-1SPT	Single 8mm w/ power tapping plate	0.5x

*1 Stud †2 Studs

For more information see: www.marinco.com

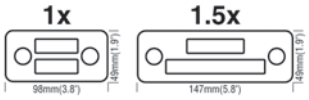
ANL FUSE HOLDERS

These ANL fuseholders offer unparalleled circuit protection choice for both the installer and end-user. The innovative Through-Panel fuseholder (778-ANLTP) provides superior access for fuse inspection and replacement. Small electrical loads are catered to with the compact 778-ANL unit while additional cable security and highest capacity is provided by the 778-ANL-2S, featuring additional studs for separate clamping of cables.

Specifications:

- Cable connection studs: Shared 8mm (5/16") on 778-ANL.
- 10mm (3/8") studs on 778-ANL-TP and 778-ANL-2S
- Fuse mounting studs: 8mm (5/16")
- Double washers allow any ANL fuse brand to be fitted
- Fuse type: ANL or ANN (fast blow)
- Swinging fuse style allows changing fuse without removal of fastening nuts
- Amperage: determined by fuse sizing, 778-ANL: 35-300A, 778-ANL2S: 35-750A, 778-ANLTP, 35-500A
- 50 VDC (or determined by fuse fitted)
- Tinned CDA102 copper conductors 778-ANL-2S
- Tinned CDA260 high conductivity brass conductors 778-ANLTP

For ANL Fuses *(See Page 313)*



ORDER NO.	Mfr. No.	Description	OEM #	Footprint
778-10000	778-ANL	Fuse Holder, ANL	778-ANL-B	1x
778-10000-2S	778-ANL2S	Fuse Holder, ANL w/additional cable studs	778-ANL2S-B	1.5x
778-10000-TP	778-ANLTP	ANL Through Panel	778-ANLTP-B	1x

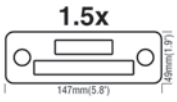
CLASS-T FUSE HOLDERS

Class-T fusing provides the ultimate protection for high power circuits, and where extremely fast fuse blow characteristics are required. Modern battery technologies such as Mastervolt Lithium Ion or AGM are capable of very high short circuit currents which may be beyond the interrupt rating of standard circuit breakers and other types of fuse. Two sizes of Pro Installer Class-T Fuseholder are available which accommodate fuses from 225-400 Amps, and 450-600 Amps respectively.

Specifications:

- Cable connection studs: 10 mm (3/8") studs
- Fuse mounting studs: 10 mm (3/8") 225-400A holder, 12 mm (1/2") 450-600A holder
- Fuse type: Class-T (JLLN / TJN / A3T)
- Maximum amperage: Determined by fuse sizing, either 400A or 600A
- 50 VDC
- High temperature, fibre reinforced plastic base provides strength and chemical resistance
- Clear polycarbonate cover
- Tinned CDA102 Copper conductors
- Stainless steel studs, washers and nuts for longevity in the marine environment
- Metric threads

For Class-T Fuses *(See Page 313)*



ORDER NO.	Mfr. No.	Description	OEM #	Footprint
778-20400	778-T2S-400	Fuse Holder, Class-T 225-400A	778-ANL-B	1.5x
778-20600	778-T2S-600	Fuse Holder, Class-T 450-600A	778-ANL2S-B	1.5x

BLUE SEA SYSTEMS

AC/DC DIGITAL METERS

Allows easy monitoring of key AC/DC functions
- Large, bright LED characters
- Three levels of brightness
- Splash-proof front
- Easy to surface mount in a 2" round hole

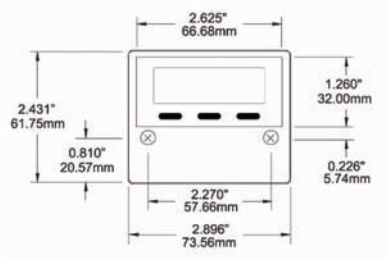
SPECIFICATIONS:

Display Character Size	9/16"
Power Supply Voltage	8-50V DC
Max. Power Consumption	1.00W*
Min. Power Consumption	0.60W*

* Variable with voltage, display intensity, segments illuminated, and sleep mode

738-82470

738-82480



** For 120 & 240 Volt AC single phase systems
† 500A with included shunt
***± 1 least digit of resolution

AC/DC DIGITAL METERS	AC Multimeter with Alarm	DC Multimeter with Alarm
CC ORDER NO.	**738-82470**	**738-82480**
Voltage Measurement		
Range	80-249V AC**	0-60V DC
Resolution	0.1V AC	0.01V DC
Accuracy (% of Reading)		± 0.5%**
90-249V AC (RMS)	± 1.0%***	
70-90V AC (RMS)	± 5.0%***	
Current Measurement		
Shunt		500A/50mV
Range		±500A DC
Current Transformer	150A/50mA	
Resolution (-100 to -500)		1A DC
Resolution (-99.9 to +500)		0.1A DC
Range 1 (Resolution 0.01A)	0.00-9.99A AC (RMS)	
Range 1 (Resolution 0.1A)	10.00-150.0A AC (RMS)	
Accuracy (% of Reading)	± 1.0%***	± 0.5%**
Frequency Measurement		
Range	40-90Hz	
Resolution	0.1Hz	
Accuracy (% of Reading) Calibrated with sine wave input	± 0.1%***	
Power Measurement		
Range 1 (Resolution 10W)	0-9990W	
Range 2 (Resolution 0.1kW)	10-45kW	
Accuracy (% of Reading)	± 5%***	
Included Current Transformer	#8256	

SPECIAL ORDER ITEM

MINI CLAMP MULTIMETER - 600 VOLTS

Compact and feature-rich AC/DC Multimeter eases diagnosis of marine electrical problems
Regulatory CE Marked, Cat III, 600 Volts

Specifications:
- Clamp allows measurement of AC and DC current in wires without disturbing the circuits or contacting live terminals
- Compact size allows for comfortable one hand operation, portability, and access to confined areas
- Auto range simplifies operation by automatically selecting the range that best fits the data
- Additional functions include: Data Hold, Overload Display, and Auto Power-Off
- True RMS AC measurement is accurate for normal sine wave and modified sine wave inverter output
- Includes test leads and carrying case

ORDER NO. 738-81100 Mfr. No. 8110

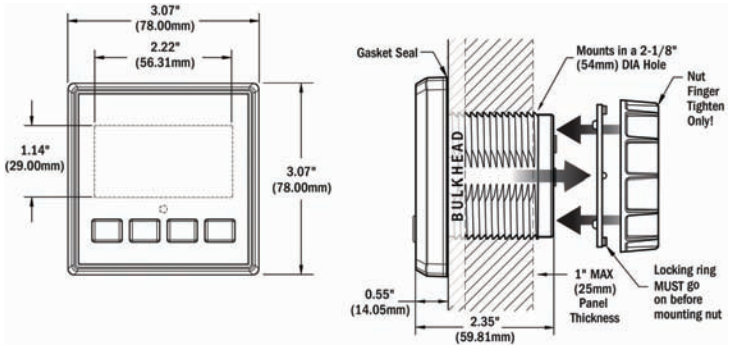
BLUE SEA SYSTEMS

For more information see: www.bluesea.com

DC M2 OLED DIGITAL MONITORS

The M2 OLED Digital Monitor measures electrical system parameters with adjustable alarms and an auto-dimming display in a compact enclosure. The gasket creates a waterproof seal on the unit face. The M2 Monitors include a MOSFET External Circuit Relay (ECR) which can be used to control external circuits based on any value measured by the M2. The M2 External Circuit Relay is separate from and independent of the Internal Alarm Function.

- Auto-dimming, bright LED display is easy to read
- Easy to adjust
- 92dB alarm on all models
- Isolated MOSFET relay



Specifications:

Display Size	55mm x 28mm
Power Supply Voltage	7-70V DC
Max. Power Consumption	1.00W*
Min. Power Consumption	0.3W*

Regulatory:

Unit face is IP67 - Protected against immersion up to 1 metre for 30 minutes. Surface Mount Gasket creates a waterproof seal on unit face. CE marked for E60945 electromagnetic interference

AC/DC MULTIMETERS	DC SOC MONITOR	AC MULTIMETER
CC ORDER NO.	**738-18300**	**738-18380**
Mfr. No.	1830	1838
Voltage Measurement		
Voltages	12V, 24V, 48V	
Range	8-70V DC*	50-250V AC*
Resolution	0.01V DC	1V AC
Current Measurement		
Shunt	500A/50mV	
Range	5000A DC†	300A†
Resolution (-100 to -500)		
Resolution (-99.9 to +500)		
Range 1 (Resolution 0.01A)		0.00-29.9A AC (RMS)
Range 1 (Resolution 0.1A)		30-150A AC (RMS)
Frequency Measurement		
Range		40-90Hz
Resolution		1Hz
Power Measurement		
Range 1 (Resolution 10W)		0-9990W
Range 2 (Resolution 0.1kW)		10-45kW
Alarm/Relay **External Relay Activation**	Low Battery High/Low Voltage High Current	High/Low Voltage High/Low Current High/Low Frequency
Included Current Transformer		#8256

* Variable with voltage, display intensity, segments illuminated, and sleep mode
† 500A with included shunt
**± 1 least digit of resolution

738-18300

M2 DC SoC MONITOR

Accurately measure and monitor the state-of-charge of your batteries. Supports programmable shunt ratios.

738-18380

M2 AC MULTIMETER

Monitors AC Amps, Volts, Hzs on large, bright display. Supports programmable current transformer ratios. Accurately measure and monitor AC amperage, voltage and Hz. (measures 2 voltages and 2 circuits)

M2 OLED DIGITAL METERS

The M2 Organic LED Digital Monitor measures essential electrical system parameters with adjustable alarms and an auto-dimming display. The M2 Monitors include a MOSFET External Circuit Relay (ECR) which can be used to control external circuits based on any value measured by the M2.

- Auto-dimming, bright Organic LED display is easy to read
- 80dB alarm on all models
- Isolated 500mA MOSFET relay
- Includes external DC Shunt or AC Current Transformer when required

1839 Tank Level Meter Features

- Intuitive tank level monitoring
- Monitor up to 4 tanks
- Auto calibration for unique tank shapes
- Compatible with common sending units

ORDER NO.	Mfr. No.	Description
738-18390	1839	Tank Level Meter

1841 External Temperature Meter Features

- Versatile external temperature monitoring
- Monitor up to 4 temperature sensors
- Temperatures range from -40°C to 125°C (-40°F to 250°F)
- Measures in Fahrenheit or Celsius
- ABYC compliant for engine exhaust
- Waterproof temperature sensors included (4x 1821 included)

ORDER NO.	Mfr. No.	Description
738-18410	1841	External Temp Meter

1842 Bilge Meter Features

- Monitor up to 4 bilges
- Alarm/Relay Activation: Run Time/hr cycles/24 hr Average Cycles
- Senders: Float switch or pumps with bilge active outputs
  Not compatible with "fully auomatic bilge pumps"
- Cycle counter

ORDER NO.	Mfr. No.	Description
738-18420	1842	Bilge Meter (Bilge float switch not included)

SPECIFICATIONS

Display Size 55mm x 28mm
Power Supply Voltage 7–70V DC*
Range (Power Consumption) 0.3W–1.0W
* Variable with voltage, display intensity, and sleep mode

Regulatory:

IP66 - Protected against powerful water jets

SUBMERSIBLE TEMPERATURE SENSOR

- General temperature sensor designed to work for most applications
- Easy double sided tape installation
- Fully submersible (IP68 rated)
- Wires connect in either order
- Works with all Blue Sea Systems devices that require a temperature sensor
- Temperature Range: -40˚F to 175˚F (-40˚C to 80˚C)
- Resistance: 10,000 Ohms@25˚C
- Wire Length: 12"
- Wire Size: 16 AWG

ORDER NO.	Mfr. No.
738-18200	1820

HIGH TEMPERATURE SENSOR

- Designed for sensing raw water exhaust without drilling holes. Strap sensor to the outside of the pipe for accurate readings of raw water exhaust temperature/
- Multiple mounting options
- Non-submersible IP65 – protected against jets of water
- Wires connect in either order
- Works with all Blue Sea Systems devices that require a temperature sensor
- Temperature Range: -40˚F to 300˚F (-40˚C to 150˚C)
- Wire Length: 18"
- Wire Size: 16 AWG

ORDER NO.	Mfr. No.
738-18210	1821

M2 VESSEL SYSTEMS MONITOR (M2 VSM)

Performs comprehensive monitoring of four critical systems in one compact organic LED digital monitor.

DC System Monitoring (up to two batteries)
One input monitors the DC voltage, state-of-charge, current for one battery bank and another input monitors the voltage of an additional battery bank.
Alarms include high and low voltage, high current, and low battery.

AC System Monitoring
The VSM monitors a single AC voltage, current, and frequency. Alarms include high and low voltage, high current, and high and low frequency.

Bilge and Tank Monitoring
The M2 VSM has two inputs that can be configured as a bilge or tank monitor. When configured as a bilge input, monitoring functions include pump active, cycle count in the last 24-hours, average cycles in a typical 24-hour period, and total cycles. High alarms can be set for both the minutes of run time in the last hour as well as the number of cycle counts in the last 24-hours. When configured as a tank input, tank status can be represented in both capacity (gallons or liters) or as a percentage of capacity. Custom tank shapes can be auto-calibrated or programmed. Both high and low level alarms can be set for all tanks.

DC Specifications

Nominal Voltage	12V, 24V, 48V
Operating Voltage	7-70V
Min. Current Draw	18.8mA @ 12V, display off 35mA @ 24V, display off
Voltage Accuracy	+/- 1%
Current Range	-500A to 500A
Current Accurancy. -	+/- 1%

AC Specifications -

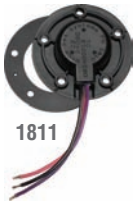
Nominal Voltage	120V @ 60Hz
Operating Voltage	40-300V
Voltage Accuracy (RMS)	+/- 1%
Current Range	0-150A
Current Accuracy (RMS)	+/- 2%
Frequency	40-90Hz

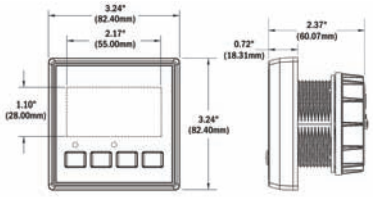
Regulatory -
Monitor face is IP66 - protected against powerful water jet when installed according to instructions.
NMEA 2000 Certified & uses standard connectors.

NEW!

1850

1810


1811



ORDER NO.	Mfr. No.	Description
738-18500	1850-BSS	M2 VSM
738-18100	1810-BSS	32" Diesel, Water, Waste Tank sender for use with VSM 422 & M2 VSM
738-18110	1811-BSS	24" Gasoline Tank Sender for use with the VSM 422 & M2 VSM

MINI OLED METERS

Monitors essential electrical system parameters on a bright, waterproof, daylight readable OLED screen

- Compact size enables mounting in any convenient location
- Reverse polarity protected
- Mounts in a common 1-1/8 in hole

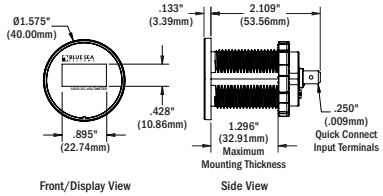
1733 Features
- Convenient voltage monitoring
- Monitors 8V to 36V DC

1732 Features
- Convenient amperage monitoring
- Monitors - 100A to 100A DC
- Positive or negative side wiring

1741 Features
- Convenient temperature monitoring
- Temperature range from -40˚C to 125˚C (-40˚F to 250˚F)
- Measures in Fahrenheit or Celsius

SPECIFICATIONS
Cutout Dimensions in (mm) 1-1/8" (29mm) diameter

Regulatory:
IP66 - Protected against powerful water jets

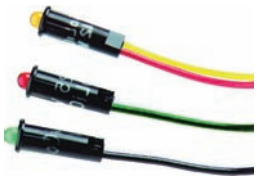


M2 OLED Surface Mount

738-17330 | 738-17320 | 738-17410

ORDER NO.	738-17330	738-17320	738-17410
Mfr. No.	1733	1732	1741
Description	**Voltmeter**	**Ammeter**	**Temp Meter**
Nominal Voltage	12V / 24V DC	12V / 24V DC	12V / 24V DC
Input Voltage	8V - 36V DC	8V - 36V DC	8V - 36V DC
Max. Operating Current	15mA	15mA	10mA
Resolution	0.01V DC	0.1A	1˚F or 1˚C
Voltage Accuracy	+/- 1%	+/- 2%	+/- 1.25%
Intermittent: 5 min.	-	110A	-
Cranking: 30 sec.	-	175A	-
DC Shunt (Included)	-	9230 (100A/50mV)	
Temp Sensor (Included)	-	-	1821
Monitors	8V-36V DC	-100A-100A DC	-40˚F - 257˚F or -40˚C - 125˚C

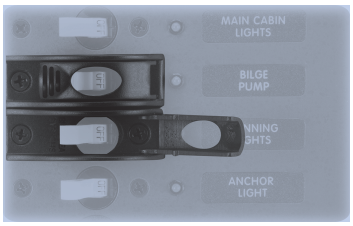
For more information see: www.bluesea.com



LED INDICATOR LIGHTS

- Easily installed in any Blue Sea Systems' circuit breaker panel
- Simple push-in installation mounts in any thickness material
- Useful as general indicator and alarm lights

ORDER NO.	Mfr. No.	Colour	Voltage	Amp Draw
738-80330	8033	Amber	12/24V DC	5 Milliamps
738-81710	8171	Red	12/24V DC	5 Milliamps
738-81720	8172	Green	12/24V DC	5 Milliamps
738-80340	8034	Green	120V AC	0.5 Milliamps
738-80660	8066	Red	120V AC	0.5 Milliamps



TOGGLE GUARD - CIRCUIT BREAKER A SERIES

Protects toggle circuit breakers from accidental switching

- Fits all A Series single pole toggle circuit breakers
- Fits all panel switches
- Can be used on any brand of circuit breaker panel (not including 360 Panel System) using standard toggle type circuit breakers
- Uses circuit breaker mounting screw holes (#6 Head Screw)
- Includes 2 mounting screws

ORDER NO. 738-41000
Mfr. No. 4100

DC ANALOG VOLTMETERS

- Simple 4-wire connection
- Meter senses powers from same connection
- 2-3/4" Face, 8-16 Volts DC

ORDER NO. 738-80030
Mfr. No. 8003

738-80030

DC ANALOG VOLTMETER PANEL

- 8003 DC Analog Voltmeter
- 8-16 Volts DC
- 3 position switch for multiple battery banks
- Voltmeter mounted in 0.125" Aluminum 5052 Alloy
- Full size 2-3/4" Meter

ORDER NO. 738-80150
Mfr. No. 8015

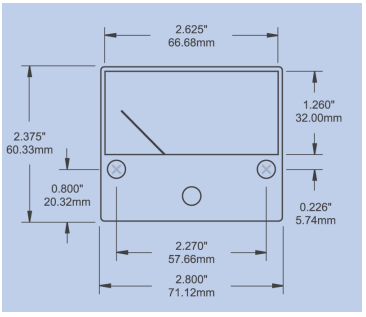
738-80150

DC ANALOG AMMETERS

- Simple 4-wire connection - no other power required
- Internal Shunt
- 2-3/4" Face, 0-25 Amperes DC

ORDER NO.	Mfr. No.	Description	Shunt Type
738-80050	8005	Ammeter 0-25A DC	Internal
738-80170	8017	Ammeter 0-100A DC + Shunt	External

738-80050

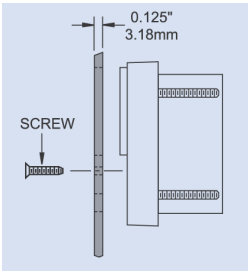


DC DIGITAL VOLTMETER PANEL

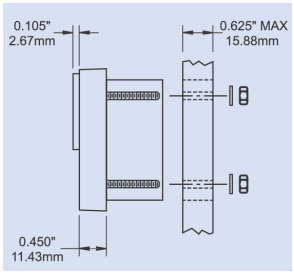
- 8235 DC Digital Meter
- 7-60 Volts DC
- 4 digit display
- Voltmeter mounted in 0.125" Aluminum 5052 Alloy
- Full size 2-3/4" Meter

ORDER NO. 738-80510
Mfr. No. 8051

Analog Meter Surface Mount



Analog Meter Panel Mount



LARGE FORMAT LABELS

Used on traditional metal panels, ST Glass Fuse Blocks and selected Contura Waterproof Panels

- Reinforced, weatherproof material
- Used on Contura Water resistant fuse panels
  738-80530, and 738-80540
- 1.438" (36.51mm) x 0.438" (11.11mm)

DC Panel Basic, 30 Labels
ORDER NO. 738-80300
Mfr. No. 8030

AC Panel Basic, 30 Labels
ORDER NO. 738-80310
Mfr. No. 8031

PANEL ACCESSORIES

DC PANEL BASIC (8030)		AC PANEL BASIC (8031)	
Accessory	Lights	(Blank)	Heater
Anchor Light	Macerator Pump	Accessory	Inverter
Autopilot	Main Cabin Lights	AFT Cabin Lights	Lights
Bilge Pump	Radar	AFT Cabin Outlets	Macerator Pump
Blower	Refrigerator	Air Conditioning	Main Cabin Lights
Compass Light	Running Lights	Air Conditioning 2	Main Cabin Outlets
Depth Sounder	Sailing Instruments	Appliances	Microwave
Electronics Spare		Battery Charger	Outlets
Engine Instruments	Spreader Lights	Cabin Outlets	Refrigerator
Fan	Steaming Light	Computer	Spare
Foredeck Light	Stereo	Entertainment Center	Stove
FWD Cabin Lights	Strobe Light	FWD Cabin Light	TV/Stereo
GPS	Tricolor Light	FWD Cabin Outlets	VCR
Horn	VH	Galley	Washer / Dryer
Knotmeter	Water Pressure	Galley Outlets	Water Heater

SMALL FORMAT LABELS

Used on most Blue Sea Systems Contura Switch Water Resistant Panels or ST Blade Fuse Blocks

- Reinforced, weatherproof material
- 60 Labels
- Black
- 0.375" (9.53mm) x 0.625" (15.88mm)

ORDER NO. 738-82140
Mfr. No. 8214

LABEL LISTING

(BLANK)
12 VOLT DC
24 VOLT DC
ACCESSORY
AERATOR
ANCHOR LIGHT
AUTO PILOT
BAIT PUMP
BAITWELL
BATTERY
BATTERY CHARGER
BILGE
BILGE PUMP
BLOWER
BOW LIGHT
CABIN
CABIN LIGHTS
CB RADIO
CELLULAR PHONE
CHARGER INVERTER
CHART PLOTTER
DECK LIGHTS
DEPTH SOUNDER
DOWN RIGGER
ELECTRONICS
FAN
FISH FINDER
FISHING LIGHT
FLOOD LIGHTS
FUEL PUMP
GAS ALARM
GPS
HORN
IGNITION
INSTR. LIGHTS
INVERTER
KNOT METER
LIGHTS
LIVEWELL
NAV LIGHTS
OUTLETS
RADIO
RADAR
REFRIGERATION
RUNNING LIGHTS
SEARCH LIGHT
SPARE
SPREADER LIGHTS
STEAMING LIGHT
STEREO
STROBE LIGHT
TRICOLOR LIGHT
TRIM TABS
VHF
WASH DOWN
WATER PRESSURE
WATER PUMP
WINCHES
WINDLASS
WIPERS

BLUE SEA SYSTEMS

A-SERIES CIRCUIT BREAKER PANELS

- All positive, negative and grounding buses installed, fully pre-wired
- Panels with meters include toggle switch for mounting up to 3 battery banks
- All circuit label positions are backlit on standard panels - No kit required
- "ON" indicating LEDs installed in all circuit positions

ORDER NO..	Mfr. No.	Description	Voltage	Amperage	Installed Single Pole 15A Breakers
738-80250	8025-BSS	3 Position	12/24V	100A	3
738-80230	8023-BSS	8 Position	12/24V	100A	5
738-80680	8068-BSS	13 Position	12V	50A	10

738-80250
Configure for 12 or 24V DC distribution with supplied labels

738-80230
Configure for 12 or 24V DC distribution with supplied labels

738-80680
- Includes Blue Sea Systems' PN 8028 AC Analog Micro Voltmeter
- Includes Blue Sea Systems' PN 8041 AC Analog Micro Ammeter

738-80290

738-80430
- Includes Blue Sea Systems'
- PN 9353 AC Analog Voltmeter

738-80270

AC MAIN A-SERIES CIRCUIT BREAKER PANELS (TOGGLE)

- Red reverse polarity indicating LED
- All hot, neutral and safety ground buses installed, fully pre-wired
- All circuit label positions are backlit on standard panels - No kit required
- "ON" indicating LEDs installed in all circuit positions
- Maximum panel amperage - 50 Amperes

ORDER NO.	Mfr. No.	Description	Meter Type	Installed Dble Pole 30A Circuit Breakers	Installed Sgl Pole 15A Circuit Breakers
738-80290	8029	Main + 1 Position	-	1	-
738-80430	8043	Main + 3 Positions	Analog/9353	1	3
738-80270	8027	Main + 6 Positions	-	1	3

A-SERIES 120V TOGGLE CIRCUIT BREAKER PANELS

- All hot, neutral, and safety ground buses installed, fully pre-wired
- All circuit label positions are backlit on standard panels - No kit required
- "ON" indicating LEDs installed in all circuit positions
- Maximum panel amperage - 100 Amperes

738-80580

ORDER NO.	Mfr. No.	Description	Installed Single Pole 15A Circuit Breakers
738-80580	8058	3 Position	3
738-80590	8059	8 Position	6

738-80590

AC TOGGLE SOURCE SELECTOR 120V AC 30A

- Double pole AC main circuit breakers with installed lockout slide
- Prevents connecting both AC sources simultaneously
- Maximum panel amperage - 50 Amperes
- Red reverse polarity indicating LED
- All hot, neutral and safety ground buses installed, fully pre-wired
- All circuit label positions are backlit on standard panels - No kit required
- "ON" indicating LEDs installed in all circuit positions

ORDER NO.	Mfr. No.	Description	Installed Dbl Pole 30A Circuit Breakers
738-80320	8032	2 Sources	2

AC SOURCE SELECTION ROTARY SWITCH PANEL

- Switches AC sources
- Compact solution when circuit protection is provided elsewhere
- Allows connecting one of two or three different AC sources to one circuit
- Includes heavy duty industrial-rated switch
- Red reverse polarity LED indicators
- Green power-available LED indicators

ORDER NO.	Mfr. No.	Voltage (Switches between 2)	Amperage	Positions	Poles	Mounting Depth
738-83690	8369	120V	65	2 + OFF	4	4-5"

A-SERIES TOGGLE CIRCUIT BREAKERS SINGLE POLE & DOUBLE POLE, AC/DC

- Meets American Boat and Yacht Council (ABYC) standards
- UL 1077 recognized, TUV certified, CE Maranada
- The industry standard circuit breaker for Blue Sea Systems' electrical panels
- Combines switching and circuit protection into a single device
- "Trip Free" design cannot be held "ON" during fault current condition

Single Pole, AC/DC

ORDER NO.	Mfr. No.	Colour	Amperage
738-71970	7197-BSS	White	2.5A
738-72000	7200-BSS	Black	5A
738-72020	7202-BSS	White	5A
738-72040	7204-BSS	Black	10A
738-72050	7205-BSS	Red	10A
738-72060	7206-BSS	White	10A
738-72080	7208-BSS	Black	15A
738-72090	7209-BSS	Red	15A
738-72100	7210-BSS	White	15A
738-72120	7212-BSS	Black	20A
738-72130	7213-BSS	Red	20A
738-72140	7214-BSS	White	20A
738-72160	7216-BSS	Black	25A
738-72180	7218-BSS	White	25A
738-72200	7220-BSS	Black	30A
738-72210	7221-BSS	Red	30A
738-72220	7222-BSS	White	30A
738-72240	7224-BSS	Black	40A
738-72260	7226-BSS	White	40A
738-72280	7228-BSS	Black	50A
738-72300	7230-BSS	White	50A

738-72020

Double Pole, AC/DC

ORDER NO.	Mfr. No.	Colour	Amperage
738-72340	7234-BSS	Black	15A
738-72350	7235-BSS	White	15A
738-72360	7236-BSS	Black	20A
738-72600	7260-BSS	White	20A
738-72370	7237-BSS	Black	30A
738-72380	7238-BSS	White	30A
738-72390	7239-BSS	Black	40A
738-72400	7240-BSS	White	40A
738-72410	7241-BSS	Black	50A
738-72420	7242-BSS	White	50A

738-72380

BLUE SEA SYSTEMS

For more information see: www.bluesea.com

TRAC CAMCO

DIGITAL CIRCUIT BREAKERS

NEW!

Eliminates the inaccuracy of thermal breakers.

- User selectable current (amperage) limit
- User selectable Manual-RESET, Auto-RESET, or OFF modes
- Includes surge compensation to monitor amperage & allow short duration current surges common with electric motors
- Illuminated with high-brightness LEDs for daylight viewing
- Circuit interrupt LED will flash intermittently when the circuit is broken
- Completely sealed & waterproof

ORDER NO.	Mfr. No.	Dimensions (HxWxD)	Circuit Protection in Range
668-69401	69401	3.6" x 2.3" x 2.0"	10/15/20/25 Amps
668-69402	69402	3.6" x 2.3" x 2.0"	30/40/50/60 Amps
668-69403	69403	5.8" x 5.0" x 3.3"	100/125/150/175 Amps

For more information see: www.TRAC-Outdoor.com or www.camco.net

WATER-RESISTANT CIRCUIT BREAKER SWITCH PANELS

Designed for exposed mounting applications

- Illuminated 15A circuit breakers provide switching, "ON" indication and overcurrent protection
- Industry-standard sizes and mounting allow these panels to be easily retrofitted in an existing application
- Polycarbonate/ABS panel surface is UV-stabilzed, flame retardant, and will not corrode
- Silicon breaker boots and gasket protects against water ingress
- Low profile makes it easy to install in tight spaces
- Fast-on circuit breaker connectors make it quick to wire
- Two-wire connection for powering all panels is simple and requires #10 ring terminals. Terminals screw to bus bars for secure connections
- #738-43210 includes a 12/24V 2.1A DC dual USB charger
- Set of 15 square format circuit labels are included, and are easy to replace.

738-43200

738-43210

738-43220

- Nominal Voltage: 12V DC
- Amperage Max. Operating: 45A
- Terminal Type: 1/4" Male quick connect
- Hardware: Stainless steel #6 x 5/8" mounting screws
- Ring Terminal Size: M5 (#10)

Regulatory: Panel front is IP66 when mounted with gasket in place – protected against powerful water jets

ORDER NO.	Mfr. No.	Colour	Description	Width in (mm)	Height in (mm)	Depth in (mm)
738-43200	4320-BSS	Grey	4 Position	4.70 (119.38)	5.03 (127.76)	1.75 (44.45)
738-43210	4321-BSS	Grey	4 Position + 12V Socket & Dual USB Charger	4.70 (119.38)	6.68 (169.67)	2.71 (68.83)
738-43220	4322-BSS	Grey	6 Position	4.70 (119.38)	6.68 (169.67)	1.75 (44.45)

CONTURA SWITCH WATER-RESISTANT BILGE PANELS

Consolidated control & circuit protection for up to four bilge pumps

- Designed for 12 or 24V DC systems
- Watertight mounting gasket
- Pre-wired for easy installation
- ON indicating LEDs embedded in all switches
- (ON)-OFF-ON Contura switches and 15A AGC fuses
- Expanded offering

NOTE: Labels are not backlit

738-82630

738-86640

738-82650

738-82660

- Voltage: Max. Operating: 24V DC
- Amperage Operating Current: 18 Milliamps per illuminated LED
- Switch Rating: 20A @ 12V DC, 15A @ 24V DC
- Circuit Breaker Rating 15A
- Fuse Holder Rating: 20A Max.(15A fuses included)
- Panel Cumulative Rating: 45A

Regulatory: CE marked. Panel front is IP66 when mounted with gasket in place – protected against powerful water jets (see inside back cover)

ORDER NO.	Mfr. No.	Colour	Contura Switches	AGC®/MDL® Fuse Holders	Width in (mm)	Height in (mm)	Depth in (mm)
738-82630	8263-BSS	Grey	1	1	2.25 (57.15)	3.75 (95.25)	3.00 (76.20)
738-86640	8664-BSS	Grey	2	2	3.34 (84.84)	3.75 (95.25)	3.00 (76.20)
738-86650	8665-BSS	Grey	3	3	5.25 (133.35)	3.75 (95.25)	3.00 (76.20)
738-86660	8666-BSS	Grey	4	4	5.25 (133.35)	3.75 (95.25)	3.00 (76.20)

CONTURA SWITCH WATER-RESISTANT PANELS

Designed for open-cockpit & flybridge applications using switches to complement existing controls commonly used on many boats

- Designed for 12 or 24V DC systems
- Watertight mounting gasket
- ON-OFF Contura Switches
- ON indicating LEDs embedded in all switches
- Includes small format label set #8217-BSS (grey) or #8214-BSS (black)
- 8421-BSS & 8521-BSS include a 12/24V DC 4.8A USB charger
- Ignition protected - safe for installation aboard gasoline powered boats
- Expanded offering

NOTE: Labels are not backlit

Regulatory

Panel front is IP66 when mounted with gasket in place – protected against powerful water jets (see inside back cover)
Circuit breaker models only – meet UL 1500 & ISO 8846 external ignition protection requirements

738-82730

738-82740

738-85210

738-83730

738-83740

738-85210

738-50530

738-80540

738-50210

738-50220

ORDER NO.	Mfr. No.	Colour	4.8A Dual USB Charger	Push Button Circuit Breakers	AGC®/MDL® Fuse Holders	Width in (mm)	Height in (mm)	Depth in (mm)
738-82740	8274-BSS	White	–	3 Position	–	4.50 (114.30)	3.75 (95.25)	3.25 (82.55)
738-82730	8273-BSS	White	–	6 Position	–	4.50 (114.30)	7.50 (190.50)	3.25 (82.55)
738-84210	8421-BSS	White	1 NEW!	5 Position	–	4.50 (114.30)	7.50 (190.50)	3.25 (82.55)
738-83740	8374-BSS	Black	–	3 Position	–	4.50 (114.30)	3.75 (95.25)	3.25 (82.55)
738-83730	8373-BSS	Black	–	6 Position	–	4.50 (114.30)	7.50 (190.50)	3.25 (82.55)
738-85210	8521-BSS	Black	– NEW!	5 Position	–	4.50 (114.30)	7.50 (190.50)	3.25 (82.55)
738-80540*	8054-BSS	Grey	–	–	3	5.25 (133.35)	3.75 (95.25)	3.00 (76.20)
738-80530*	8053-BSS	Grey	–	–	6	5.25 (133.35)	7.50 (190.50)	3.00 (76.20)
738-50210	5021-BSS	Water-resistant fuse holder						
738-50220	5022-BSS	Cap for # 738-50210						

* 8054-BSS, 8053-BSS include large label set 8030-BSS

WEATHERDECK™ WATERPROOF PANELS

Designed for open-cockpit & flybridge applications

- **Fuse Model:** Bicoloured LEDs illuminate circuit labels to quickly identify OFF (Red), ON (Green), or Blown (No colour) circuits
- **Circuit Breaker Model:** Green LEDs illuminate circuit labels
- **Fuse & Circuit Breaker Models:**
  - Backlighting is compatible with Deckhand Dimmers
  - Independent label backlighting allows switching & dimming
- **Switch Only Models:** No circuit protection or illuminated circuit labels
  - Integrated switch guards reduce the risk of accidental switching
  - Panels can be mounted in four different orientations
  - Panel front rated IP67 when properly mounted with watertight mounting gasket
  - UV stabilized weather-resistant faceplate snaps on & off providing access to components & concealing mounting screws
  - Square format label set #4215 included

438-43740

438-43760

438-43780

438-43040

438-43060

For more information see: www.bluesea.com

ORDER NO.	Mfr. No.	Colour	Pos.	Circuit Breakers	Fuses	Label Backlight	Volts	Width in (mm)	Height in (mm)	Depth in (mm)
738-43740	4374-BSS	Grey	4	Yes	–	Yes	12/24V	4.25 (107.95)	4.30 (109.22)	3.50 (88.90)
738-43760	4376-BSS	Grey	6	Yes	–	Yes	12/24V	4.25 (107.95)	6.00 (152.40)	3.50 (88.90)
738-43780	4378-BSS	Grey	8	Yes	–	Yes	12/24V	4.25 (107.95)	7.70 (195.58)	3.50 (88.90)
738-43040	4304-BSS	Grey	4	–	Yes	Yes	12V	3.88 (98.55)	4.30 (109.22)	2.50 (63.50)
738-43060	4306-BSS	Grey	6	–	Yes	Yes	12V	3.88 (98.55)	6.00 (152.40)	2.50 (63.50)

ELECTRICAL PANELS

MARINCO
BEP PRODUCTS

BEP Marine is internationally recognized as a leading manufacturer of high quality marine electrical products. A major supplier to boat builders around the world, BEP Marine products are designed and manufactured to the highest standards. As an ISO 9000 2001 certified manufacturer, BEP guarantees consistent quality on every product produced. BEP Marine's waterproof and splash proof switch panels are constructed of high impact, UV stabilized plastic. All switches are circuit protected via 15A rated ATC fuses. Each panel comes with labels and mounting screws.

SPRAY PROOF SWITCH PANELS - WATERPROOF SERIES

- Compact panel size
- Sprayproof inline fuse holders with fuses included
- Waterproof power receptacles
- Switches are rated at 20A
- 3.75"H x 4.25"W x 3"D
- Panel supplied with label LBL-WP

Contemporary styling, available in 4 and 6 position panel and a five position with 12V, 16A rated waterproof power socket.

900-5WPS 5-Position
w/ 12V - 16A waterproof power socket
ORDER NO. 770-09005

900-4WP 4-Position
ORDER NO. 770-09004

900-6WP 6-Position
ORDER NO. 770-09006

DC CIRCUIT BREAKER PANELS

The BEP Marine "Contour" series of circuit breaker panels combine contemporary styling with functionality.
The unique raised relief helps prevent accidental switching.
All labels are green LED back lit and have red LED systems "on" indication.
Labels and negative bus bar included.

901V 8-Position
2 x 5A
2 x 10A
3 x 15A
1 x 20A
8"H x 5"W x 2.5"D
ORDER NO. 770-09010

901V

901H

901H 8-Position
2 x 5A
2 x 10A
3 x 15A
1 x 20A
4.5"H x 9.75"W x 2.5"D
ORDER NO. 770-09011

GENERATION 2 WATERPROOF SWITCH PANELS

The latest design in waterproof switch panels! Featuring the "touch pad" look of digital switch systems at an affordable cost. Each 16A rated switch has a red LED systems "on" indicator and green LED label back lighting. Can be mounted vertically or horizontally. Available in two, four and six position.

CG2-2W-F 2-Position
2.75"H x 2.5"W x 1.5"D
ORDER NO. 770-00220

CG2-4W-F 4-Position
4.7"H x 2.5"W x 1.5"D
ORDER NO. 770-00240

CG2-6W-F 6-Position
6.5"H x 2.4"W x 1.5"D
ORDER NO. 770-00260

CONTOUR SWITCH PANEL - 6 WAY

- Switches protected by high quality neoprene rubber boots
- Green LED backlit labels; red systems on indicator
- Switch current ratings 20 Amps @ 12VDC, 10Amps AC
- Removable cover plates conceal screws & water drain
- Waterproof to IPX5 rating
- Includes 6 switches and 3 inline fuse holders with fuses behind panel
- Label sheet & instructions included

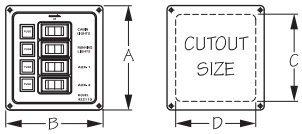
ORDER NO.	Mfr. No.	Colour	Fuses	Positive Temperature Co-efficient (PTC)	Dimensions (LxWxH)
770-00006	CSP6-F	Black	3	No	6.25" x 4.4" x 2.5"

For more information see: www.bepmarine.com

ALUMINUM (VERTICAL) SWITCH PANEL

Illuminating Switches

Panel rating: 12V, 37 amps total. Individual circuit 10 amps.

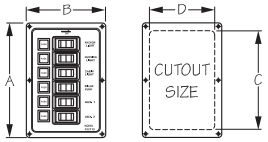


ORDER NO.	Mfr. No.	A	B	C	D	NO. OF SWITCHES
424-22010	422010-1	4-7/8"	4-1/2"	3-15/16"	3-1/2"	4
424-20501	420501-1	Replacement Fuse Holder (square push-in cap / side release pin location)				
424-20441	420441-1	Replacement Rocker Switch				
424-22199	422199-1	Replacement Red Insert for Fuse Holder				

ALUMINUM (VERTICAL) SWITCH PANEL

Illuminating Switches

Panel rating: 12V, 37 amps total. Individual circuit 10 amps.

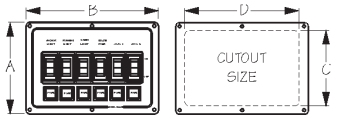


ORDER NO.	Mfr. No.	A	B	C	D	NO. OF SWITCHES
424-22110	422110-1	6-1/2"	4-1/2"	5-1/2"	3-1/2"	6
424-20501	420501-1	Replacement Fuse Holder (square push-in cap / side release pin location)				
424-20441	420441-1	Replacement Rocker Switch				
424-22199	422199-1	Replacement Red Insert for Fuse Holder				

ALUMINUM (HORIZONTAL) SWITCH PANEL

Illuminating Switches

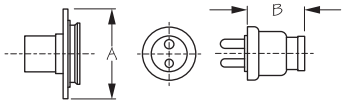
6 GANG SWITCH PANEL
Size: A = 4-1/2": B = 6-1/2": C = 3-1/2": D = 5-1/2"



ORDER NO.	Mfr. No.	Description
424-22210	422210-1	6-Gang Horizontal Panel
424-20501	420501-1	Replacement Square Fuse Holder
424-20441	420441-1	Replacement Rocker Switch

POLARIZED CABLE OUTLET 12-VOLT

Machined Brass/Chrome Plated

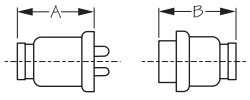


ORDER NO.	Mfr. No.	PIN	A	B
424-26142	426142-1	2	1-7/16"	15/16"

As a safety feature, polarized pins are sized to be connected in only one way.

POLARIZED MOLDED ELECTRICAL CONNECTOR

Machined Brass/Molded Bakelite & Neoprene



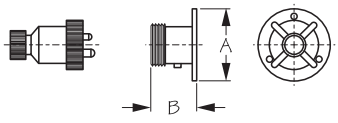
ORDER NO.	Mfr. No.	PIN	A	B
424-26162	426162-1	2	1-1/4"	1-3/16"

As a safety feature, polarized pins are sized to be connected in only one way.

POLARIZED ELECTRICAL CONNECTOR

Machined Brass/Chrome Plated

A: 1-7/16"
B: 15/16"
Amps: 3
Fastener: #5 RH



ORDER NO.	Mfr. No.	PIN
424-26262	426262-1	2
424-26264	426264-1	4

As a safety feature, polarized pins are sized to be connected in only one way.

BLUE SEA SYSTEMS

CIRCUIT BREAKER ENCLOSURE

Surface mount option for mounting single and double pole circuit breakers

Labels, circuit breaker, and LED's are sold separately

FEATURES:

- Wire glands included for secure installation of circuit breakers
- Accepts A-Series toggle *(See Page 341)* and A and C-Series Flat Rocker circuit breakers, LED's *(See Page 338)* and Square format labels for custom configurations.

Specifications:

4.92"H x 3.95"W x 4.07"D (124.97 mm x 100.33mm x 103.038mm)

ORDER NO.	Mfr. No.
738-31310	3131

AC SMS SURFACE MOUNT SYSTEM

Panel enclosure for ELCI Main circuit breakers and other large frame devices. Meets ABYC E-11 when used with an ELCI Main circuit breaker and mounted within 10 feet of the shore power inlet.

- Models available with ELCI Main circuit breakers for 120V 30A
- Blank apertures for custom breaker loading
- Glass filled polycarbonate base
- Clear cover allows easy view of circuit breaker status
- Overlapping cover for strength and increased gasket protection
- Oversized, formed in place seamless PUR gasket
- Easily removed stainless steel hinge pin for unobstructed installation
- Stainless steel latch secures cover without penetrating the enclosure
- Blank circuit positions accommodate Carling Technologies™ A- and C- Series Flat Rocker and ELCI Main circuit breakers
- Stainless steel mounting hardware included
- Includes waterproof glands
- LED lights for back lighting and ON indication

Specifications:

Enclosure Size	6.0" x 6.0" x 4.0" 152 mm x 152 mm x 102 mm
Exterior Overall Dimensions	7.6" x 7.4" x 4.7" 192 mm x 188 mm x 120 mm
Temperature Range	-40˚C to 85˚C
Cover Screws and Hardware	10-32 stainless steel
Mounting Hardware	1/4", #12, (6 mm)

Regulatory

IP66 - Protected against powerful water jets when cover is latched. Flammability rating-Per UL 508
Toxicity - Non-toxic, halogen free, RoHS compliant
UL Listed and NEMA 4X rated,
NEMA Type 4, 4X, 6, 6P, 12, and 13

ORDER NO.	Mfr. No.	Description	Installed Circuit Breakers
738-31170	3117	120V AC ELCI 30A Dual	2 ELCI Main 120V 30A, 30mA

1039

1045

DUAL USB SWITCH MOUNT CHARGERS, 4.8A

Intelligent device recognition allows rapid charging of phones, tablets, or other mobile devices

- Charges at the speed required by specific devices
- Internal filtering for reduced electronic interference
- Over temperature protection
- Short circuit protection
- Protective dust cap keeps debris and moisture out
- Conformal coated circuit board for the harsh marine environment
- 1039 mounts in an existing contura switch aperature

Cut Out Dimensions
1039 - 1.45" x 0.83" (36.83 mm x 21.08 mm)
1045 - 1-1/8" Dia. (29 mm)

Regulatory:
RoHS, CE Certified

ORDER NO.	Mfr. No.	Input Voltage	Input Voltage Range
738-10390	1039	12V/24V DC	9V-32V DC
738-10450	1045	12V/24V DC	9V-32V DC

DUAL USB SOCKET MOUNT CHARGERS, 2.1A

Charge two mobile devices on the go

- Install in existing 12V DC socket hole providing access for charging mobile devices
- Compatible with popular mobile devices
- Conformal coated circuit board for the harsh marine environment
- Protective dust cap keeps debris and moisture out
- Thermal overload protection
- Short circuit protection
- Cut Out Dimensions 1-1/8" Dia. (29 mm)

Regulatory:
RoHS, CE Certified

ORDER NO.	Mfr. No.	Colour
738-10160	1016	Black
738-1016200	1016200	White

USB EXTENSION 5 FOOT CABLE

Control your stereo in the cabin from your mobile device in the cockpit. USB 2.0 data inlet easily mounts at the dash with a prewired connecting cable that conveniently plugs directly into the USB on the stereo. Mounts in 1-1/8" (29 mm) dia. hole

For more information see: www.bluesea.com

ORDER NO.	Mfr. No.
738-10440	1044

MARINCO®

DUAL USB PORT & COMBO

12V Dual USB for powering tablets, phones & other electronic devices

DUAL USB PORT

- Input 12-24V
- Output 5V, 2.1 amp (total both ports)
- Mounting plate included
- Cover prevents dust & water from damaging product

ORDER NO.	Mfr. No.
055-00129	12VDUSB

COMBO 12V DUAL USB/12V SOCKET

- Input 12V
- Socket output 12V and up to 20 amp
- Mounting plate included – compact design
- Cover prevents dust & water from damaging product

ORDER NO.	Mfr. No.
055-00130	12VCOMBO

USB RECEPTACLE W/6' OF CABLE

- Marinco's new USB receptacle allows builders & users to easily access a USB port in your favourite locations...dash panels, navigation tables & cockpit areas.
- Marinco's world renowned receptacle design retrofitted to accept USB
- 6' of cable with port openings on each end
- Installs easily in a 1-1/8" hole opening
- Sealink Locking System
- Watertight Sealing Cap
- 5 Year Warranty (receptacle)

ORDER NO.	Mfr. No.
055-00060	USBA6

DUAL USB CHARGER

- Input 12-24V
- Dual USB ports with 4.8 amp (total output)
- Cover prevents dust & water from damaging receptacles

ORDER NO.	Mfr. No.
055-00131	12VDUSB48

NEW!

CONTURA DUAL USB CHARGER

- Input 12-24V
- Dual USB ports with 4.8 amp (total output)
- Blue LED shows power is available
- Installs in standard Contura switch footprint
- Cover prevents dust & water from damaging receptacles

ORDER NO.	Mfr. No.
055-00132	12VCDUSB48

NEW!

CONTURA DUAL USB CHARGER WITH VOLT/AMP METER

- Input 12-24V
- Dual USB ports with 4.8 amp (total output)
- 3-Digit Blue LED volt/amp meter
- Installs in standard Contura switch footprint
- Cover prevents dust & water from damaging receptacles

ORDER NO.	Mfr. No.
055-00133	12VCDUSB48A

NEW!

For more information see: www.marinco.com

BLUE SEA SYSTEMS

WATER-RESISTANT USB ACCESSORY PANELS

Easy to install accessory panels include a 15A circuit breaker switch and pre-wired harness. Panels offer customizable 12V charging and monitoring options.

- Pre-wired harness included in all panels for easy installation
- Silicon breaker boots and gasket protects against water ingress
- Illuminated Carling Technologies 15A circuit breaker switch allows the ability to shut off panel preventing parasitic draw
- Polycarbonate/ABS panel face is UV-stabilized, flame retardant, and will not corrode
- 12V DC only

Regulatory:
CE Certfied
IP66 - Protected against powerful water jets

738-43630

738-43640

738-43650

738-43660

738-43670

738-43680

738-43690

ORDER NO.	Mfr. No.	Description	Width in (mm)	Height	Depth in (mm)
738-43630	4363	15A Circuit Breaker, 12V Socket, 2.1A Dual USB Charger	4.94" (125.4mm)	2.25" (57.2mm)	2.53" (64.3mm)
738-43640	4364	15A Circuit Breaker, 2x Blank Apertures	4.94" (125.4mm)	2.25" (57.2mm)	Varies based on installed components
738-43650	4365	15A Circuit Breaker, 12V Socket 2x 2.1A Dual USB Chargers	6.61" (168.0mm)	2.25" (57.2mm)	2.53" (64.3mm)
738-43660	4366	15A Circuit Breaker, 12V Socket 2.1A Dual USB Charger, Mini Voltmeter	6.61" (168.0mm)	2.25" (57.2mm)	2.75" (69.8mm)
738-43670	4367	15A Circuit Breaker, 3x Blank Apertures	6.61" (168.0mm)	2.25" (57.2mm)	Varies based on installed components
738-43680	4368	12V Socket, 2x 2.1A Dual USB Chargers, Mini Voltmeter	8.29" (210.5mm)	2.25" (57.2mm)	2.75" (69.8mm)
738-43690	4369	15A Circuit Breaker, 4x Blank Apertures	8.29" (210.5mm)	2.25" (57.2mm)	Varies based on installed components

BLUE SEA SYSTEMS

12 VOLT SOCKET-PLUG SYSTEM

Corrosion resistant materials to ensure solid contact and low voltage drop.

Features:

- Moisture proof sealing ring around the shaft to keep out spray and make it sit firmly in the outlet
- "ON" indicating LED
- Strain relief
- Built-in 10 Amp fuse
- Designed to withstand the rigors of wet environments and constant vibration

738-10100

738-10140

738-10110

738-1011200

738-10120

- Large contact surfaces for good electrical connection
- Twist lock system—plug locks securely into socket
- Internal strain relief and cord seal
- Nickel plated copper alloy used for all current carrying components
- Front panel, rear panel, or surface mount

ORDER NO.	Mfr. No.	Description
738-10100	1010	12 Volt Plug
738-10110	1011	12 Volt Black Socket
738-1011200	1011200	12 Volt White Socket
738-10120	1012	Single Plug with Single Socket Extension
738-10140	1014	Mounting Bracket for Socket (#1011)
738-10150	1015	12 Volt Plug & Socket Set, Includes (#1010, #1011)

FLOYD BELL TURBO SERIES ALARM

Audibly alerts operator

Features:

- Adjustable volume by rotating bezel
- Tamper resistant front mounting case
- Threaded attachment ring
- Fits any 1" round aperture

ORDER NO.	Mfr. No.
738-10700	1070

Specifications:

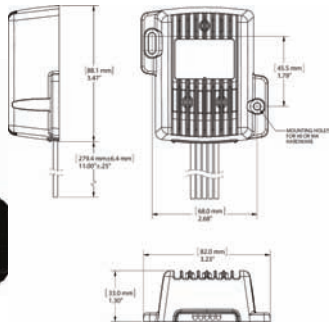
Voltage Nominal	24V DC
Operating Voltage	5-30V DC
Amperage Max. Operating	15A DC (socket)
Amperage Max. Operating	10A DC (plug)

DECKHAND DIMMER

Digitally controls dimming of non-regulated LED, incandescent, and halogen lights

Features:

- Illuminated exit with adjustable time delay
- Supports multiple switch locations
- Memory for last dimmer setting
- Bulb saver prevents excessive bulb aging while boat's batteries are being charged
- Provides continuous voltage control from 0 to 100% of input voltage
- Offset mounting tabs allow dimmers to be mounted close together
- Retail package includes momentary (ON)-OFF-(ON) switch #8216



Specifications:

Maximum Parasitic Current	<2mA
Temperature Rating	-40˚C to 85˚C

Regulatory:

- CE marked

Meets ISO 8846 and SAE J1171 external ignition protection requirements

ORDER NO.	Mfr. No.	Amperage Max. Output	Nominal Voltage	Operating Range
738-75060	7506	6 Amps	12V DC	9V to 16V

SPECIAL ORDER ITEM

360 PANEL SYSTEM ACCESSORIES

360 Panel System accessories include innovative modular back covers for AC 360 Panels. ABYC standards mandate isolation of AC and DC components on combination panels. Stackable, screw-down covers protect AC components from coming into contact with tools, personnel, & DC wiring.

360 PANELS - WITH AC DUAL OUTLETS

Provides a 360 Panel System platform for mounting equipment, switching, and monitoring functions.

- Suitable for mounting accessories and for pad printing

Dimensions: 4.88"W (123.83 mm)
4.75"H (120.65 mm)
1.00"D (25.40 mm)

ORDER NO.	Mfr. No.	Description
738-14790	1479	120V AC Dual Outlets

SOCKET & DUAL USB CHARGER PANELS

Integrates DC Sockets & USB Charger with 360 Panel System

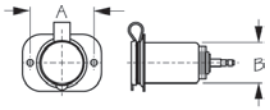
Dimensions:
4.88"W (123.83 mm)
4.75"H (120.65 mm)
1.50"D (38.10 mm)

ORDER NO.	Mfr. No.	Description
738-14780	1478	12V DC Socket & 12V DC Dual USB Charger

SEA-DOG LINE QUALITY MARINE GEAR

POWER SOCKET 12-VOLT

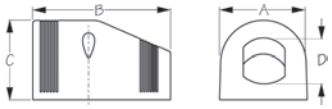
Stamped 304 Stainless Mounting Plate



ORDER NO.	Mfr. No.	Socket Material	A	B	Fastener
424-26013	426013-1	Chrome Steel Socket & Molded Cap	1-11/16”	1-1/8”	#8 RH
424-26053	426053-1	Stainless Steel Socket & Molded Cap	1-11/16”	1-1/8”	#8 RH

Ideal for additional power outlets

POWER SOCKET SHELL - Injection Molded ABS

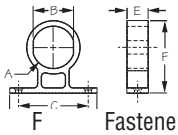


ORDER NO.	Mfr. No.	A	B	C	D
424-26100	426100-1	2-3/16"	3-7/16"	1-15/16"	1-1/8"

Power Socket Shell fits Sea-Dog Line power sockets 426115, 426120, & 426502. Uses #6 pan head screws.

ROUND POWER SOCKET/METER MOUNTING BRACKET

Injection Molded Nylon



ORDER NO.	Mfr. No.	A	B	C	D	E	F	Fastener
424-26105	426105-1	1-1/8"	1-1/16"	1-15/16"	2-3/8"	9/16"	1-15/16"	#8 FH

Designed for the external mounting of round power sockets and gauges 1-1/8" in diameter. Fits all Sea-Dog® round power sockets, gauges, and meters. Installs with two #8 FH fasteners (not included).

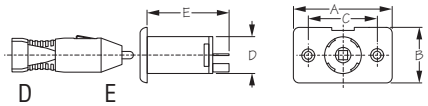
POWER SOCKET REAR BOOT - PVC

ORDER NO.	Mfr. No.	A	B	C
424-26106	426106-1	1-7/8"	1-1/8"	1/4"

Fits all power sockets and power socket meters. Protects wire connections and provides a finished appearance.

POWER SOCKET 12-VOLT

Stamped Brass/Injection Molded Nylon & ABS

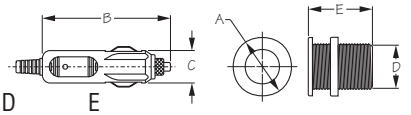


ORDER NO.	Mfr. No.	Description	A	B	C	D	E
424-26112	426112-1	Complete	2-1/4”	1-1/4”	1-1/2”	1-1/16”	1-7/8”
424-26113	426113-1	Socket & Cap	2-1/4”	1-1/4”	1-1/2”	1-1/16”	1-7/8”

Maximum Rating: 12 volts, 16 amps.

DELUXE POWER SOCKET 12-VOLT

Stamped Brass/Injection Molded Nylon & ABS

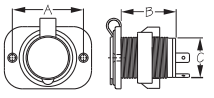


ORDER NO.	Mfr. No.	Description	A	B	C	D	E
424-26115	426115-1	Socket & Cap	1-7/16”	n/a	n/a	1-1/16”	1-9/16”
424-26116	426116-1	Complete	1-7/16”	3-3/16”	13/16”	1-7/8”	1-9/16”

Add power easily almost anywhere. Drill a 1-1/8” hole, insert the socket body and tighten down the locking nut. Connect the wires and you are done. Plug includes LED light to indicate when powered.
12 volts, 16 amps. Includes a 3 amp fuse.

DELUXE POWER SOCKET - 12 VOLT

Stamped Brass/Injection Molded Nylon & ABS



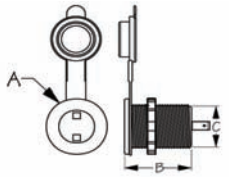
ORDER NO.	Mfr. No.	A	B	C	Amps
424-26120	426120-1	1-15/16"	1-1/2"	1-1/16"	16

LED POWER SOCKET - 12 - 24 VOLT

Stamped Brass/Injection Molded Nylon & ABS

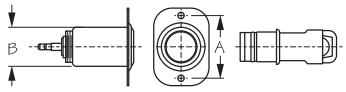
ORDER NO.	Mfr. No.	A	B	C	LEDs	LED Colour
424-26127	426127-1	1-7/16"	1-9/16"	1-1/16"	2	Blue

Add power easily almost anywhere. Drill a 1-1/8" hole, insert the socket body and tighten down the nut, connect the wires and you're done. 2 blue LEDs light up the interior. Input 12V-24V. 16A. IP65 rating.



CIGARETTE LIGHTER/CHART LIGHT

Stamped 304 Stainless Steel

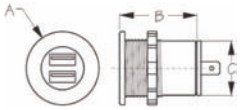


ORDER NO.	Mfr. No.	Socket Material	A	B	Fastener
424-26352	426352-1	Stainless Steel Socket & Lighter (complete)	1-11/16"	1-1/8"	#8 RH

Combination Chart Light and Cigarette Lighter with the flick of a switch. Comes with a stainless 304 mounting plate.

DUAL USB POWER SOCKET - ALUMINUM

Aluminum/Injection Molded Nylon with Terminal Spade Contacts

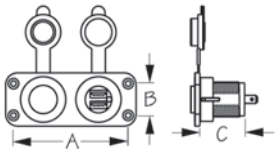


ORDER NO.	Mfr. No.	A	B	C	Volts	Total Output	Finish
424-26504	426504-1	1-7/16"	1-1/2"	1-1/16"	9-32	5V/4.8A	Red Anodized

Charges two devices simutaneously. The total output 4.8A load is split 2.4A per side as needed. Enough power to charge phones, pads, & tablets quickly & efficiently. Protective dust cap extends the life of the charger. Installation is as easy as drilling a 1-1/8" hole, inserting the socket body, tightening the locking nut, and connecting the wires. Machined round aluminum with no D flats. Also fits power socket shell (426100 & mounting bracket (426105). IP65 rating.

DOUBLE USB & POWER SOCKET PANEL

Injection Molded Nylon

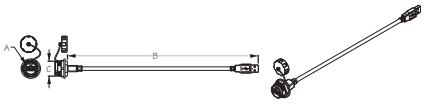


ORDER NO.	Mfr. No.	A	B	C
424-26505	426505-1	3-1/2"	1"	1-5/8"

Double USB Input 12V-24V, Output DC 5V/2.1A. The total output 4.8A load is split 2.4A per side as needed - enough to charge iPhones, iPads & almost all other devices. Power Socket rated at 12 volts, 16 amps. Includes screws & connectors.

USB MALE TO FEMALE EXTENSION CORD - 9 FT.

Stamped Stainless Steel/Injection Molded Nylon



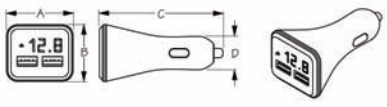
• Waterproof IP67 rating. RoHS compliant.

ORDER NO.	Mfr. No.	A	B	C	Volts	Total Output
424-26509	426509-1	7/8"	108"	1"	12-24	5V/4.2A

The nine foot 2.4A Male to Female USB extension cord extends your USB connection for use charging and accessing printers, keyboards, mice, cameras, and other USB computer peripherals. Perfect for applications where a USB device with a fixed output needs to be connected to the USB port of a computer. Attached cap protects the USB port from water and debris when not in use. Not illuminated.

DOUBLE USB POWER PLUG W/ VOLTAGE METER

Stamped Stainless/Injection Molded Nylon



ORDER NO.	Mfr. No.	A	B	C	D
424-26513	426513-1	1-1/2"	1-1/4"	2-13/16"	13/16"

Charges two devices simultaneously, providing DC 5V/2.4A per side, 4.8A total, which is more than enough power to charge two phones, pads, and tablets quickly and efficiently. LED lighted amp meter window monitors voltage. For use on a boat or a car or RV, this portable version fits all standard 12V receptacles, including all Sea-Dog power sockets.

USB 3.0 & USB-C POWER PLUG WITH VOLTMETER

NEW!

Aluminum/Injection Molded Nylon

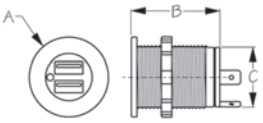
ORDER NO.	Mfr. No.	A	B	C	Volts	Output
424-26514	426514-1	1-1/4"	2-1/2"	13/16"	12-24	5V/6A

Charges two devices simultaneously while the LED screen displays voltage status. Can be used on a boat, car, or RV. The total output 6A load is split 3A per side as needed. USB 3.0 features Quick Charging (QC) for supported devices, giving enough power to charge phones, pads, and tablets quickly and efficiently. USB-C features Power Delivery (PD) for faster and more flexible charging. This portable version fits all Sea-Dog® Power Sockets and any standard 12V receptacle. Constructed of aluminum and injection molded nylon. Blue LED display. FCC, CE, RoHS compliant.

DOUBLE USB POWER SOCKET

Injection Molded Nylon

ORDER NO.	Mfr. No.	A	B	C
424-26515	426515-1	1-7/16"	1-1/2"	1-1/16"

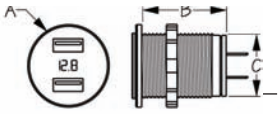


Input 12V – 24V, Output DC 5V/3.1A. Total output 4.8A load is split 2.4A per side as needed – enough to charge iPhones, iPads and almost all other devices. Fits Sea-Dog Line Power Socket Shell 426100.

DOUBLE USB SOCKET/VOLTMETER W/HIDDEN DISPLAY

Injection Molded Nylon

ORDER NO.	Mfr. No.	A	B	C	Volts	Output
424-26517	426517-1	1-7/16"	1-1/2"	1-1/16"	12-24	5V/4.2A



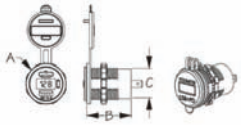
Allows for two devices to be charged simultaneously while also displaying the batteries output. The total output 4.2A load is split 2.1A per side as needed. Enough amperage to charge iPhones, iPads, and almost all other devices. Also fits Sea-Dog Line power socket shell #426100. ORDER NO. 424-26100.Red LED display. IP65 rating.

USB 3.0 & USB-C POWER SOCKET WITH VOLTMETER

NEW!

Injection Molded Nylon

ORDER NO.	Mfr. No.	A	B	C	Volts	Output
424-26518	426518-1	1-7/16"	1-1/2"	1-1/16	8-32	5V/6A



Charges two devices simultaneously while the LED screen displays voltage status. The total output 6A load is split 3A per side as needed. USB 3.0 features Quick Charging (QC) for supported devices, giving enough power to charge phones, pads, and tablets quickly and efficiently. USB-C features Power Delivery (PD) for faster and more flexible charging. Protective dust cap extends the life of the charger. Protective dust cap extends the life of the charger. LED voltmeter reads voltage up to 14.6 volts. Includes On/Off button to conserve battery power when not needed. Constructed of injection molded nylon. Installation is as easy as drilling a 1-1/8" hole, inserting the socket body, tightening the locking nut, and connecting the wires. Also fits Sea-Dog® Power Socket Shell (426100). Blue LED display. IP65 rating. RoHS compliant.

RAINBOW VOLTMETER WITH USB 3.0 & USB-C POWER SOCKET

NEW!

Injection Molded Nylon

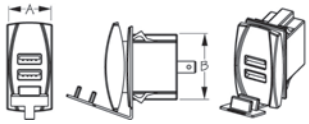
ORDER NO.	Mfr. No.	A	B	C	Volts	Output
424-26519	426519-1	1-7/16"	1-1/2"	1-1/16	8-32	5V/6A

Charges two devices simultaneously while the rainbow dial displays voltage status. The total output 6A load is split 3A per side as needed. USB 3.0 features Quick Charging (QC) for supported devices, giving enough power to charge phones, pads, and tablets quickly and efficiently. USB-C features Power Delivery (PD) for faster and more flexible charging. Protective dust cap extends the life of the charger. The rainbow display gives the user quick, visual, color-coded voltage information. Red/orange means the voltage is too low. Green means voltage is normal. Reads voltage up to 14.6 volts. Includes On/Off button to conserve battery power when not needed. Installation is as easy as drilling a 1-1/8" hole, inserting the socket body, tightening the locking nut, & connecting the wires. Also fits Sea-Dog® Power Socket Shell (426100). Output DC: 5V/6A. Input: 8-32 VDC. IP65 rating. RoHS compliant.

DOUBLE USB ROCKER SWITCH POWER SOCKET

Injection Molded Nylon

ORDER NO.	Mfr. No.	A	B	Volts	Output
424-26520	426520-1	13/16"	1-7/16"	12-24	5V/4.8A

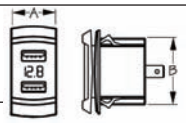


Fits into any 13/16" X 1-7/16" rocker switch hole, Input 12V-24V, Output DC 5V/3.1A. Total output is 3.1A with the load being split between the two sides as needed – enough to charge iPhones, iPads and almost all other devices.

DOUBLE USB ROCKER SWITCH STYLE/VOLTMETER

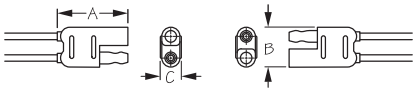
Injection Molded Nylon

ORDER NO.	Mfr. No.	A	B	Volts	Output
424-26527	426527-1	13/16"	1-7/16"	12-24	5V/4.8A



Fits into any standard 13/16" x 1-7/16" hole. It allows for two devices to be charged simultaneously while also displaying the batteries output. The total output 4.8A Load is split 2.4A per side as needed. Enough amperage to charge iPhones, iPads, and almost all other devices. Input 12V-24V. Output DC 5V/4.8A. Red LED display. IP65 rating.

POLARIZED ELECTRICAL CONNECTOR 2-WIRE - PLUG & SOCKET



Injection Molded PVC

ORDER NO.	Mfr. No.	A	B	C	Volts	Amps	Wire Gauge
424-26880	426880-1	1-1/16"	5/8"	5/16"	12-24	20	16AWM/12"

Connector is an SAE type, two-prong plug and socket connector set. Polarized to assure the proper mating of circuits, reducing the chance of accidental reverse polarity. Colour coded 16-gauge 12" lead wire with bullet-type contact pins. Weather resistant connectors are vibration and strain resistant. Use of dielectric grease recommended to further protect circuit from salt spray, debris, and corrosion.

SAE POWER CABLE

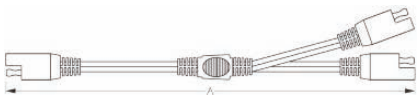
Injection Molded PVC

ORDER NO.	Mfr. No.	A Length	Volts	Max Amps	Wire Gauge
424-26901	426901-1	1 ft.	12-24	20A @ 12V	14AWM
424-26903	426903-1	3 ft.	12-24	20A @ 12V	14AWM
424-26906	426906-1	6 ft.	12-24	20A @ 12V	14AWM
424-26912	426912-1	12 ft.	12-24	20A @ 12V	14AWM

Polarized electrical connector is an SAE type, two prong plug and socket connector set.

NEW!

SAE POWER CABLE Y-SPLITTER



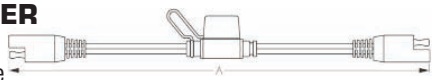
Injection Molded PVC

ORDER NO.	Mfr. No.	A Length	Volts	Max Amps	Wire Gauge
424-26920	426920-1	1 ft.	12-24	20A @ 12V	14AWM

Polarized electrical connector is an SAE type, two prong plug and socket connector set.

NEW!

SAE POWER CABLE ATO/ATC INLINE FUSE HOLDER



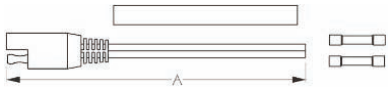
Injection Molded PVC

ORDER NO.	Mfr. No.	A Length	Volts	Max Amps	Wire Gauge
424-26925	426925-1	1 ft.	12-24	20A @ 12V	14AWM

Polarized electrical connector is an SAE type, two prong plug and socket connector set. Features an ATO/ATC inline fuse holder.

NEW!

SAE POWER CABLE POWER PLUG KIT



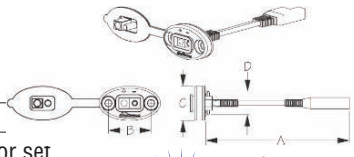
Injection Molded PVC

ORDER NO.	Mfr. No.	A Length	Volts	Max Amps	Wire Gauge
424-26930	426930-1	6"	12-24	20A @ 12V	14AWM

Polarized electrical connector is an SAE type, two prong plug and socket connector set. 14 gauge lead wire with bullet-type contact pins. Includes two plugs, four heat shrink tubes, and four butt connectors.

NEW!

SAE POWER SOCKET - FRONT MOUNT



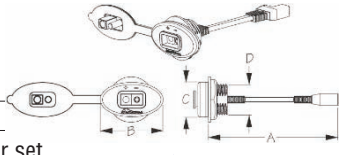
Injection Molded PVC

ORDER NO.	Mfr. No.	A	B	C	D	Volts
424-26950	426950-1	5"	1-1/4"	1"	3/4"	12-24

Polarized electrical connector is an SAE type, two prong plug and socket connector set. Great for solar panel connections and battery maintaining. 14AWM -gauge duplex wire. Installs with two #10 RH screws (not included). Max amps (20A @ 12V).

NEW!

SAE POWER SOCKET - BACK NUT MOUNT



Injection Molded PVC

ORDER NO.	Mfr. No.	A	B	C	D	Volts
424-26955	426955-1	5"	1-13/16"	1"	7/8"	12-24

Polarized electrical connector is an SAE type, two prong plug and socket connector set. Great for solar panel connections and battery maintaining. 14AWM -gauge duplex wire. Installation is as easy as drilling a 7/8" hole, inserting the socket body, tightening the locking nut and connecting the wires. Max amps (20A @ 12V).

NEW!

MARINCO

SEALINK®® DELUXE 12 VOLT RECEPTACLE & PLUG

The SEALINK® 12 volt receptacle and plug is a totally new design. Both are manufactured from corrosion resistant marine grade materials. Exclusive to SEALINK® products is a unique interconnecting system that securely locks the plug into the receptacle resulting in a positive and moisture proof connection. Both the plug and receptacle feature optimized metal connection points for maximum conductivity.

5 YEAR WARRANTY

12VRC
SEALINK® 12 VOLT RECEPTACLE

- Watertight Sealing Cap
- Easy to install, use supplied mounting plate for front panel installation, or locking ring for rear access installation

ORDER NO. 055-00122

12VPG
SEALINK® 12 VOLT RECEPTACLE

- Moisture proof sealing ring
- LED power indicator light
- Interchangeable 10A fuse
- Internal strain relief and cord seal

ORDER NO. 055-00120

12VPK
SEALINK® 12 VOLT RECEPTACLE & PLUG

•12 VRC and 12 VPG Packaged together

ORDER NO. 055-00121

12BKT
SEALINK® RECEPTACLE MOUNTING BRACKET

- Bracket for under dash mounting of the SeaLink® or Connect Pro® receptacles
- Receptacle installs with rear mounting threaded nut
- Marine grade anodized aluminum
- Dimensions: 2" wide x 2-1/2" high

ORDER NO. 055-00125

12VXT
SEALINK® DELUXE 12 VOLT EXTENSION CORD

- Heavy duty 18 gauge wire, extends to over 6 feet
- Water-tight cap
- Plug features an LED indicator light, moisture proof sealing ring, strain relief and built-in 10A fuse
- SeaLink® locking system
- Works with any standard 12V plug and receptacle

ORDER NO. 055-00123

12VAD
SEALINK® DELUXE 12 VOLT DUAL OUTLET CORD

- Heavy duty 18 gauge wire, extends to over 1 foot
- Water-tight caps
- Plug features an LED indicator light, moisture proof sealing ring, strain relief and built-in 10A fuse
- SeaLink® locking system
- Works with any standard 12V plug & receptacle

ORDER NO. 055-00124

MARINCO

70A TROLLING MOTOR RECEPTACLE

- 70A continuous rating
- Universal design for 2 or 3-wire configuration 12V, 24V, 12/24V, 24/36V, 36V or 48V systems
- Floating pin design for maximum connectivity & durability
- Corrosion resistant, plated brass electrical components
- Watertight sealing cap
- Accepts up to 6 AWG wire

ORDER NO. 055-70002 Mfr. No. 12VBRS3

70A TROLLING MOTOR PLUG

- 70A continuous rating
- Universal design for 2 or 3-wire configuration 12V, 24V, 12/24V, 24/36V, 36V or 48V systems
- Floating pin design for maximum connectivity & durability
- Corrosion resistant, plated brass electrical components
- Integrated strain relief
- Keyed design with thumbprint locator
- Accepts up to 6 AWG wire

ORDER NO. 055-70001 Mfr. No. 12VBPS3

70A TROLLING MOTOR PLUG & RECEPTACLE

- 70A continuous rating
- Universal design for 2 or 3-wire configuration 12V, 24V, 12/24V, 24/36V, 36V or 48V systems
- Floating pin design for maximum connectivity & durability
- Corrosion resistant, plated brass electrical components
- Receptacle contains watertight sealing cap
- Plug contains Integrated strain relief and keyed design with thumbprint locator
- Accepts up to 6 AWG wire

ORDER NO. 055-70003 Mfr. No. 12VCPS3

For more information see: www.marinco.com

TROLLING MOTOR RIGGING KIT

TRAC

Everything you need to wire your boat for high-current (60amp) 12V/24V/36V power.

Use this high-current power connection for all boats to power up to 36V trolling motors, winches, & any other 12V, 24V or 36V device up to 60 amps.

Kit Includes:

TRAC's high-current quick-connect system:

- (2) quick-connect plugs one for boat/battery & one for trolling motor or other device, 1-1/2" round hole adapter, & U-bracket
- 30' of heavy 8-gauge AWG tin-plated marine-grade battery wire
- (1) High current 60 amp manual resetting circuit breaker
- (2) 14" 8-gauge cross-wire for 24V & 36V systems
- (4) Isolator bolts to install trolling motor or other device
- 28' of corrugated wire loom
- Heat-shrink terminations

NEW!

ORDER NO. 668-69440

Mfr. No. 69440

For more information see: www.TRAC-Outdoor.com or www.camco.net

12 VOLT RECEPTACLE WITH PROTECTIVE CAP

- Stainless steel
- Includes stainless steel mounting plate and wire set
- **Not for use with cigarette lighter/chart light**

ORDER NO.	Mfr. No.	Description
102-20036	20036	12V Receptacle with protective cap

TROLLING MOTOR PLUG & RECEPTACLE

ConnectPro™

12VBR
CONNECTPRO® RECEPTACLE

- Universal design for 2- or 3-wire configuration; 12, 24, 12/24, 24/36 or 36 volt systems
- Watertight sealing cap
- Corrosion resistant, plated brass electrical components
- Drain holes in receptacle keep water away from electrical components
- Perma-Lock™ screw terminals will not loosen under extreme hull vibration
- Standard 1-1/8" diameter mounting hole
- Easy to install, with supplied mounting plate for front panel installation, or locking ring for rear access installation
- Accepts 10 and 8 gauge wire
- Easily replaces other trolling motor plugs and receptacles (No special tools needed)

ORDER NO. 055-00126

12VBP
CONNECTPRO® PLUG

- O-ring seal for waterproof connections
- Weather resistant plug cover
- Corrosion resistant, plated brass electrical components
- Accepts 16 to 8 gauge wire
- Ergonomic contoured grip for easy hook-up and blade alignment

ORDER NO. 055-00127

12VCP
CONNECTPRO® RECEPTACLE & PLUG

- 12 VBR and 12 VBP Packaged together as a set in resealable clamshell packaging

ORDER NO. 055-00128

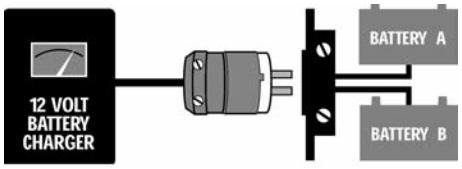
TROLLING/CHARGING SYSTEM

The 4-wire Trolling/Charging System eliminates the need for a charge/run switch. Install the receptacle on the boat, mount the black trolling motor plug on the trolling motor, and the red charger plug on the leads of the battery charger.
Simply plug in the black plug to troll, or plug in the red plug to charge.

12/24V LOCKING

CHARGER PLUG (MALE)

Connects to a 12V battery charger to allow simultaneous charging of two 12V batteries when plugged into the receptacle. Red.

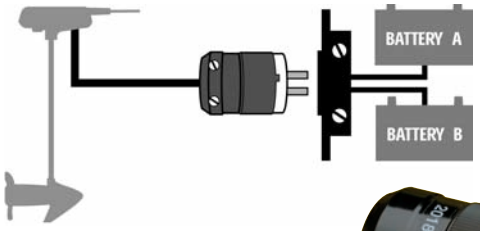


Note: for 12V only trolling motors use 2018BP-12

ORDER NO.	Mfr. No.
055-20181	2018BP-12

TROLLING MOTOR PLUG (MALE)

Connects to trolling motor. Jumpered internally to supply 12V & 24V power to the trolling motor when plugged into the receptacle. Black. Maximum rating is 40 Amps.



ORDER NO.	Mfr. No.
055-20182	2018BP-24

RECEPTACLE

Glass-reinforced corrosion reistant nylon. Accepts 8 gauge stranded wire or up to 6 gauge with ring terminals.
Black.

ORDER NO.	Mfr. No.
055-20180	2018BR

RECEPTACLE BRACKET

- Spring loaded flip lid cover
- Without receptacle

ORDER NO.	Mfr. No.	Description
055-20183	2018-MB	12V & 24V Receptacle Bracket & Flip Lid

For more information see: www.marinco.com

MARINE GRADE WIRE & ELECTRICAL TAPE

ANCOR

PRIMARY WIRE

ANCOR Marine's individual copper wire strands are tinned to resist corrosion from salt and moisture found in the marine environment, lasting up to 10 times longer than non-tinned wire, with better conductivity than bare copper wire. Also resists battery acid, oil, gasoline, ultra-violet radiation, heat and abrasion. Insulation contains 20% more polymers to prevent scalloping and increase flexibility.
The ultra flexible (Type 3/Class K) stranding resists fatigue due to vibration and flexing while the premium vinyl insulation resists salt water, battery acid, oil, gasoline and ultra-violet radiation, rated at 600 volts and 105° C. Ancor wire exceeds all UL 1426, US Coast Guard Charterboat (CFR Title 46) and ABYC standards so no matter where you build, repair, or sell, all requirements are met. Manufactured to American Wire Gauge sizes, which is 12% larger than automotive (SAE) wire and allows for better current carrying capacity.

10 AWG WIRE

ORDER NO.	Length	Color
421-88003	8'	Black
421-08010	100'	Black
421-08310	100'	Green
421-88803	8'	Red
421-08810	100'	Red
421-08910	100'	White
421-09010	100'	Yellow

12 AWG WIRE

ORDER NO.	Length	Color
421-86003	12'	Black
421-06010	100'	Black
421-06110	100'	Dk Blue
421-06210	100'	Brown
421-06310	100'	Green
421-06510	100'	Orange
421-06610	100'	Pink
421-06710	100'	Purple
421-86803	12'	Red
421-06810	100'	Red
421-06910	100'	White
421-07010	100'	Yellow
421-05810	100'	Tan

14 AWG

ORDER NO.	Length	Color
421-84003	18'	Black
421-04010	100'	Black
421-04050	500'	Black
421-04110	100'	Dk Blue
421-04210	100'	Brown
421-84303	18'	Green
421-04310	100'	Green
421-04410	100'	Grey
421-04510	100'	Orange
421-04610	100'	Pink
421-04710	100'	Purple
421-84803	18'	Red
421-04810	100'	Red
421-04850	500'	Red
421-84903	18'	White
421-04910	100'	White
421-05010	100'	Yellow
421-05050	500'	Yellow
421-03810	100'	Tan

16 AWG WIRE

ORDER NO.	Length	Color
421-82003	25'	Black
421-02010	100'	Black
421-02050	500'	Black
421-02110	100'	Dk Blue
421-02210	100'	Brown
421-82303	25'	Green
421-02310	100'	Green
421-02410	100'	Grey
421-02510	100'	Orange
421-02610	100'	Pink
421-02710	100'	Purple
421-82803	25'	Red
421-02810	100'	Red
421-02850	500'	Red
421-82903	25'	White
421-02910	100'	White
421-03010	100'	Yellow
421-03050	500'	Yellow
421-01810	100'	Tan

18 AWG WIRE

ORDER NO.	Length	Color
421-80003	35'	Black
421-00010	100'	Black
421-80303	35'	Green
421-80803	35'	Red
421-00810	100'	Red
421-80903	35'	White

c UL us

For more information see: www.ancorproducts.com

3M

3M™ 165 TEMFLEX™ GENERAL USE VINYL ELECTRICAL TAPE

Good quality, multi-purpose vinyl insulating tape. This tape has great resistance to moisture and varying weather conditions.

- Made of durable PVC
- Flame retardant and helps inhibit the corrosion of electrical conductors
- Compatible with rubber and synthetic splicing compounds
- Min. Temperature Rating: 32˚F/0˚C
- Max. Temperature Rating: 194˚F/90˚C
- Thickness: 6 mil

NEW!

ORDER NO.	Mfr. No.	Size	Colour
604-66165-1	165BK4A	3/4" x 60'	Black
604-66165-2	165BL4A	3/4" x 60'	Blue
604-66165-3	165GR4A	3/4" x 60'	Green
604-66165-4	165RD4A	3/4" x 60'	Red
604-66165-5	165WH4A	3/4" x 60'	White
604-66165-6	165YL4A	3/4" x 60'	Yellow

For more information see: www.3m.com/marine

ANCOR

DUPLEX & TRIPLEX CABLE UL1426 TINNED BOAT CABLE

ANCOR Duplex and Triplex Cables are made to surpass the highest UL Boat Cable standards. Ultra flexible (Type 3/Class K) stranding resists fatigue due to vibration and flexing. Outer jacket is made for easy removal and provides the best abrasion resistance available. Inner conductors are correctly color-coded to ABYC standards.

SAFETY DUPLEX FLAT CABLE

Conductor Colours: Red & Yellow

ORDER NO.	Length	AWG
421-24110	100'	10/2
421-24310	100'	12/2
421-24510	100'	14/2
421-24710	100'	16/2
421-24910	100'	18/2

DUPLEX FLAT CABLE

Conductor Colours: Black & Red

ORDER NO.	Length	AWG
421-21110	100'	10/2
421-21310	100'	12/2
421-21510	100'	14/2
421-21710	100'	16/2
421-21910	100'	18/2

TRIPLEX FLAT CABLE

Conductor Colours:
Black, Green & White

ORDER NO.	Length	AWGe
421-30902	25'	8/3
421-30910	100'	8/3
421-31110	100'	10/3
421-31310	100'	12/3
421-31510	100'	14/3
421-31710	100'	16/3

BONDED CABLE

NEW!

Tinned Copper.
Conductor Colours: Red & Yellow

ORDER NO.	Length	AWG
421-21610	100'	6/2
421-21810	100'	8/2

TWISTED PAIRS W/SHIELD

Premium Tinned Copper.
Conductor Colours: Red & Black

- For all metal boats & around sensitive electronics

ORDER NO.	Length	AWG
421-41410	100'	14/2

FLAT RIBBON BONDED CABLE

Conductor Colours: Red & Black

ORDER NO.	Length	AWG
421-53110	100'	16/2

ROUND MAST

UL 1426 Tinned Boat Cable.
Conductor Colours:
Black, Blue, Green, Red & White

ORDER NO.	Length	AWG
421-55010	100'	14/5

ROUND INSTRUMENT CABLE

100% Mylar Foil Shield & Drain Wire.
UL 1426 Tinned Boat Cable.
Conductor Colours: Red, Black & Bare

ORDER NO.	Length	AWG
421-53010	100'	20/3

SIGNAL CABLE

Tinned Copper.
Conductor Colours: Red & Black

ORDER NO.	Length	AWG
421-22010	100'	20/2
421-22025	250'	20/2

BILGE PUMP CABLE

Premium Tinned Copper.
Conductor Colours: Black, Brown & Red.
Insulation: Grey

- Oil resistant
- SJTOW-A water resistant jacket

ORDER NO.	Length	AWG
421-56410	100'	14/3
421-56610	100'	16/3

FLAT RIBBON BONDED RGB CABLE

NEW!

Tinned Bonded Copper.
Conductor Colours:
Red, Light Blue, Green, & White.

ORDER NO.	Length	AWG
421-60210	100'	14/4
421-60110	100'	16/4
421-60010	100'	18/4

RGB + SPEAKER CABLE

NEW!

Tinned Bonded Copper.
18 AWG conductors for RGB lighting: yellow, red, blue, green.
16 AWG conductors for speaker connections: black & red

ORDER NO.	Length	AWG
170-01000	100'	18/4

SHORE POWER CORD PHONE WIRE

Conductor Colours: Black, White, Green.

- Yellow jacket is weather & sunlight resistant.
- Ultra flexible insulation is abrasion resistant.
- 16/3 is 300 volt cable
- Temperature rating: 140˚F / 60˚C

ORDER NO.	Length	AWG.
421-53510	100'	16/3 PHONE

FLAT RIBBON BONDED TRAILER CABLE

Premium Tinned Bonded Copper.
Conductor Colours:
Brown, Green, White, & Yellow

ORDER NO.	Length	AWG
421-54510	100'	16/4

FLAT TRAILER CABLE

Conductor Colours: Yellow, White, Green, & Brown

ORDER NO.	Length	AWG
421-54010	100'	16/4

MARINE GRADE BATTERY CABLE

ANCOR

BATTERY CABLE-UL1426 Tinned Boat Cable

- ANCOR Marine Grade™ wire is manufactured from tinned copper stranding for maximum protection against corrosion and electrolysis. Ultra flexible (Type 3) stranding resists fatigue due to vibration and flexing.
- ANCOR's prprietary premium vinyl insulation stays flexible even in extreme cold and resists salt water, battery acid, oil, gasoline and ultra-violet radiation. Exclusive insulation is rated at 600 volts, 105ºC dry and 75ºC wet, and is resistant to heat and abrasion.
- Exceeds all UL 1426, US Coast Guard Charterboat (CFR Title 46) and ABYC standards.

8 AWG CABLE

ORDER NO.	Length	Color
421-11010	100'	Black
421-11310	100'	Green
421-11510	100'	Red
421-11710	100'	White
421-11910	100'	Yellow

6 AWG CABLE

ORDER NO.	Length	Color
421-12010	100'	Black
421-12510	100'	Red

4 AWG CABLE

ORDER NO.	Length	Color
421-13002	25'	Black
421-13005	50'	Black
421-13010	100'	Black
421-13502	25'	Red
421-13505	50'	Red
421-13510	100'	Red
421-13902	25'	Yellow
421-13905	50'	Yellow

2 AWG CABLE

ORDER NO.	Length	Color
421-14002	25'	Black
421-14005	50'	Black
421-14010	100'	Black
421-14502	25'	Red
421-14505	50'	Red
421-14510	100'	Red
421-14902	25'	Yellow
421-14905	50'	Yellow

1 AWG CABLE

ORDER NO.	Length	Color
421-15002	25'	Black
421-15005	50'	Black
421-15010	100'	Black
421-15502	25'	Red
421-15505	50'	Red
421-15510	100'	Red
421-15902	25'	Yellow
421-15905	50'	Yellow

1/0 AWG CABLE

ORDER NO.	Length	Color
421-16005	50'	Black
421-16505	50'	Red
421-16905	50'	Yellow

2/0 AWG CABLE

ORDER NO.	Length	Color
421-17005	50'	Black
421-17505	50'	Red
421-17905	50'	Yellow

3/0 AWG CABLE

ORDER NO.	Length	Color
421-18005	50'	Black
421-18505	50'	Red
421-18905	50'	Yellow

4/0 AWG CABLE

ORDER NO.	Length	Size
421-19002	25'	Black
421-19005	50'	Black
421-19502	25'	Red
421-19505	50'	Red
421-19905	50'	Yellow

NEW!

MARINE GRADE™ 8 - 4/0 AWG Cable Specifications

Wire Size	Nominal O.D.	Wt. per 1000'	Stranding No. of 30 AWG	Cir. Mil Area	Square mm	Ohms per 1000'
8 AWG 8 mm2	5/16" 7.9 mm	86 lbs. 39 kg	168	16,800	8.37	0.62
6 AWG 8 mm2	11/32" 8.7 mm	118 lbs. 53.5 kg	266	26,600	13.3	0.04
4 AWG 21 mm2	13/32" 10.3 mm	178 lbs. 81 kg	420	42,000	21.15	0.24
2 AWG 34 mm2	15/32" 11.9 mm	277 lbs. 126 kg	665	66,500	33.62	0.157
1 AWG 42 mm2	17/32" 13.5 mm	350 lbs. 159 kg	836	83,690	44.21	0.127
1/0 AWG 53 mm2	9/16" 14.3 mm	437 lbs. 198 kg	1064	105,600	53.49	0.099
2/0 AWG 68 mm2	5/8" 15.9 mm	549 lbs. 249 kg	1330	133,000	67.43	0.077
3/0 AWG 85 mm2	11/16 17.5 mm	675 lbs. 306 kg	1665	167,800	85.01	0.062
4/0 AWG 107 mm2	13/16 20.6 mm	837 lbs. 380 kg	2109	211,600	107.2	0.049

ANCOR

PREMIUM BATTERY CABLE ASSEMBLIES

ANCOR Marine Grade™ Standard Cable Assemblies are manufactured with premium UL 1426 tinned copper battery cable.
The battery cable is fine stranded to produce maximum conductivity and flexibility. In addition, all ANCOR battery cable is flame retarded, UV inhibited, rated 600V AND 105ºC. The lugs are tinned copper to avoid corrosion and last longer.
Each end has a piece of ANCOR's adhesive lined 3:1 heatshrink tubing placed over the electrical connection. The heatshrink tubing seals out moisture and other corrosive elements found in the marine environment, and provides strain relief to ensure a long lasting battery connection.

ORDER NO.	CABLE SIZE	COLOUR	LENGTH	STUD SIZE
421-89130 421-89134 421-89136	4 AWG	BLACK	18" 32" 48"	5/16" 5/16" 5/16"
421-89131 421-89135 421-89137	4 AWG	RED	18" 32" 48"	3/8" 3/8" 3/8"
421-89140 421-89144 421-89146	2 AWG	BLACK	18" 32" 48"	5/16" 5/16" 5/16"
421-89141 421-89145 421-89147	2 AWG	RED	18" 32" 48"	3/8" 3/8" 3/8"

MARINE GRADE™ BATTERY CABLE ASSEMBLIES FOR CONTINUOUS CURRENT USE BATTERY

Draws up to:	Cable Assemblies
136 Amps	4 AWG
178 Amps	2 AWG

For more information see: www.ancorproducts.com

HANDI-MAN MARINE — KEEPING REPAIRS AT BAY

2 GAUGE BATTERY CABLE WITH TERMINALS

ORDER NO.	COLOUR	SIZE/LENGTH
022-24800	BLACK	48"
022-24801	RED	48"
022-27200	BLACK	72"
022-27201	RED	72"

4 GAUGE BATTERY CABLE WITH TERMINALS

ORDER NO.	COLOUR	SIZE/LENGTH
022-42400	BLACK	24"
022-42401	RED	24"
022-43600	BLACK	36"
022-43601	RED	36"
022-44800	BLACK	48"
022-44801	RED	48"

For more information see: www.handimanmarine.com

Sierra Marine Engine and Drive Parts

BATTERY CABLES

Gauge cable with soldered lug terminals on each end to accept a 3/8" stud.

ORDER NO.	MFR. NO.	SIZE	COLOUR	GAUGE
051-88523	BC88523	2'	RED	4
051-88533	BC88533	2'	BLACK	4
051-88543	BC88543	4'	RED	2
051-88553	BC88553	4'	BLACK	2
051-88563	BC88563	6'	RED	2
051-88573	BC88573	6'	BLACK	2
051-88583	BC88563	8'	RED	1
051-88593	BC88573	8'	BLACK	1

For more information see: www.catalog.sierraparts.com

ANCOR

TINNED COPPER LUGS - HEAVY-DUTY

ANCOR Marine Grade lugs are manufactured from heavy duty annealed tinned copper, providing for maximum current flow. 100% tin plated copper resists corrosion from salt and moisture. Seamless barrel design allows for maximum strength when crimped. Closed end design seals out moisture so cables stay dry and corrosion free.

ORDER NO.	Qty/ Pkg	Wire Size	Screw Size
422-52233	2	#8	#10
422-52234	2	#8	1/4"
422-52235	2	#8	5/16"
422-42235	25	#8	5/16"
422-52236	2	#8	3/8"
422-42236	25	#8	3/8"
422-52237	2	#8	1/2"
422-52243	2	#6	#10
422-52244	2	#6	1/4"
422-52245	2	#6	5/16"
422-42245	25	#6	5/16"
422-52241	1/1	#6	5/16"/3/8"
422-52246	2	#6	3/8"
422-42246	25	#6	3/8"
422-52247	2	#6	1/2"
422-52253	2	#4	#10
422-52254	2	#4	1/4"
422-52255	2	#4	5/16"
422-42255	25	#4	5/16"
422-52251	1/1	#4	5/16"/3/8"
422-52256	2	#4	3/8"
422-42256	25	#4	3/8"
422-52257	2	#4	1/2"
422-52265	2	#2	5/16"
422-42265	25	#2	5/16"

ORDER NO.	Qty/ Pkg	Wire Size	Screw Size
422-52261	1/1	#2	5/16"/3/8"
422-52266	2	#2	3/8"
422-42266	25	#2	3/8"
422-52267	2	#2	1/2"
422-52275	2	#1	5/16"
422-42275	25	#1	5/16"
422-52276	2	#1	3/8"
422-42276	25	#1	3/8"
422-52277	2	#1	1/2"
422-52285	2	1/0	5/16"
422-42285	25	1/0	5/16"
422-52286	2	1/0	3/8"
422-42286	25	1/0	3/8"
422-52287	2	1/0	1/2"
422-52295	2	2/0	5/16"
422-42295	25	2/0	5/16"
422-52296	2	2/0	3/8"
422-42296	25	2/0	3/8"
422-52297	2	2/0	1/2"
422-42715	10	3/0	5/16"
422-42716	10	3/0	3/8"
422-52717	2	3/0	1/2"
422-42725	10	4/0	5/16"
422-42726	10	4/0	3/8"
422-52727	2	4/0	1/2"

NEW!

90˚ TINNED COPPER LUGS

90˚ bend for ease of wire routing

ORDER NO.	Qty/ Pkg	Wire Size	Screw Size
422-62245	2	#6	5/16"
422-62246	2	#6	3/8"
422-62255	2	#4	5/16"
422-62256	2	#4	3/8"
422-62265	2	#2	5/16"
422-62266	2	#2	3/8"
422-62275	2	#1	5/16"
422-62276	2	#1	3/8"
422-62285	2	1/0	5/16"
422-62286	2	1/0	3/8"
422-62295	2	2/0	5/16"
422-62296	2	2/0	3/8"
422-62715	2	3/0	5/16"
422-62716	2	3/0	3/8"
422-62725	2	4/0	5/16"
422-62726	2	4/0	3/8"

HEAVY DUTY BUTT CONNECTORS

NEW! 25/pkg

100% Tinned Copper

ORDER NO.	Qty/ Pkg	Wire Size	
422-52140	2	#6	13mm²
422-42140	25	#6	13mm²
422-52150	2	#4	21mm²
422-42150	25	#4	21mm²
422-52160	2	#2	34mm²
422-42160	25	#2	34mm²
422-52170	2	#1	42mm²
422-42170	25	#1	42mm²

ADHESIVE LINED HEAVY WALL BATTERY CABLE TUBING (BCT)

ORDER NO.	Qty/Pkg	Dia	Length	Color
423-26202	1/1	3/4"	3"	Blk/Red
423-27202	1/1	1"	3"	Blk/Red

LEAD BATTERY TERMINALS

ORDER NO.	Qty/Pkg	Stud Size
422-60325	1/1	5/16 & 3/8

Wing Nut Style, Pos/Neg

TINNED COPPER BATTERY TERMINALS

ORDER NO.	Qty/Pkg	Stud Size
422-60322	1/1	5/16 & 3/8

Wing Nut Style, Yellow Brass Nut, Tin Plated Terminal, Pos/Neg

BATTERY TERMINAL BOOTS

ORDER NO.	Qty/Pkg	Screw Size	Description
422-60350	1/1	#4-#2	Wing Nut, Black Combo Pk

Ancor Marine Grade connectors and terminals have nylon insulators which are easy to crimp and will not split. Barrels are designed to tightly grip the wire with the least effort. Tinned copper gives the least electrical resistance but the most corrosion protection. Highest grade electrolytic copper, tin plated for greatest corrosion resistance and least amount of power loss.

RING TERMINALS

Nylon Insulated with Insulation Grip (Funnel Entry)

ORDER NO.	Qty/Pkg	Wire Size	Screw
422-30202	6	22-18	#8
422-20202	100	22-18	#8
422-30203	6	22-18	#10
422-20203	100	22-18	#10
422-30212	6	16-14	#8
422-20212	100	16-14	#8
422-30213	6	16-14	#10
422-20213	100	16-14	#10
422-22213	500	16-14	#10
422-30214	5	16-14	1/4"
422-20214	100	16-14	1/4"
422-30215	5	16-14	5/16"
422-20215	100	16-14	5/16"
422-30216	5	16-14	3/8"
422-20216	100	16-14	3/8"
422-30222	5	12-10	#8
422-20222	100	12-10	#8
422-30223	5	12-10	#10
422-20223	100	12-10	#10
422-22223	500	12-10	#10
422-30224	4	12-10	1/4"
422-20224	100	12-10	1/4"
422-30225	4	12-10	5/16"
422-20225	100	12-10	5/16"
422-30226	4	12-10	3/8"
422-20226	100	12-10	3/8"
422-30233	2	8 ga.	#10
422-30234	2	8 ga.	1/4"
422-30235	2	8 ga.	5/16"
422-30236	2	8 ga.	3/8"

DISCONNECTS

(.250 /6.4 mm Tab Size)
Nylon Insulated with Insulation Grip

ORDER NO.	Qty/Pkg	Wire Size	Gender
422-30818	5	16-14	Female
422-20818	100	16-14	Female
422-30819	5	16-14	Male
422-20819	100	16-14	Male
422-30828	4	12-10	Female
422-20828	100	12-10	Female
422-30829	4	12-10	Male
422-20829	100	12-10	Male

FULLY INSULATED DISCONNECTS

(.250 /6.4 mm Tab Size)
Nylon Insulated with Insulation Grip

ORDER NO.	Qty/Pkg	Wire Size	Gender
422-31418	4	16-14	Female
422-21418	100	16-14	Female
422-31419	4	16-14	Male
422-21419	100	16-14	Male
422-31428	3	12-10	Female
422-21428	100	12-10	Female
422-31429	3	12-10	Male
422-21429	100	12-10	Male

NYLON FLAG DISCONNECTS

(.250 /6.4 mm Tab Size)
Nylon Insulated with Insulation Grip

ORDER NO.	Qty/Pkg	Wire Size	Gender
422-31601	4	22-18	Female
422-31611	4	16-14	Female
422-11611	25	16-14	Female
422-31621	3	12-10	Female
422-11621	25	12-10	Female

FLANGED SPADES

Nylon Insulated with Insulation Grip (Funnel Entry)

ORDER NO.	Qty/Pkg	Wire Size	Screw Size
422-30312	6	16-14	#8
422-20312	100	16-14	#8
422-30313	6	16-14	#10
422-20313	100	16-14	#10
422-30322	5	12-10	#8
422-20322	100	12-10	#8
422-30323	5	12-10	#10
422-20323	100	12-10	#10

BUTT CONNECTORS

Nylon Insulated Seamless (Single Crimp)

ORDER NO.	Qty/Pkg	Wire Size
422-30100	7	22-18
422-20100	100	22-18
222-10000	500	22-18
422-30110	7	16-14
422-20110	100	16-14
222-11000	500	16-14
422-30120	5	12-10
422-20120	100	12-10
222-12000	500	12-10

BUTT CONNECTORS

Vinyl Insulated UL 486C

ORDER NO.	Qty/Pkg	Wire Size
422-30130	2	8 ga.

HEAT SHRINK CONNECTORS

ANCOR heat shrink connectors offer adhesive built into the sleeve of the heat shrink tubing Shrinks to form a water tight seal & the ultimate vibration and strain relief. Tinned for corrosion resistance. Pure copper for maximum current flow. Brazed seam for maximum strength. Nylon insulator, preferred by experts, for Marine Grade™ resistance to sunlight, water, oil, chemicals, vibration and cut-through damage.

HEAT SHRINK RING TERMINALS

ORDER NO.	Qty/Pkg	Wire Size	Screw Size
423-10203	3	22-18	#8
423-10225	25	22-18	#8
423-10303	3	22-18	#10
423-10325	25	22-18	#10
423-11203	3	16-14	#8
423-11225	25	16-14	#8
423-11299	100	16-14	#8
423-11303	3	16-14	#10
423-11325	25	16-14	#10
423-11399	100	16-14	#10
423-11403	3	16-14	1/4"
423-11425	25	16-14	1/4"
423-11499	100	16-14	1/4"
423-11503	3	16-14	5/16"
423-11525	25	16-14	5/16"
423-11599	100	16-14	5/16
423-11603	3	16-14	3/8"
423-11625	25	16-14	3/8"
423-11699	100	16-14	3/8"
423-12203	3	12-10	#8
423-12225	25	12-10	#8
423-12299	100	12-10	#8
423-12303	3	12-10	#10
423-12325	25	12-10	#10
423-12399	100	12-10	#10
423-12403	3	12-10	1/4"
423-12425	25	12-10	1/4"
423-12499	100	12-10	1/4"
423-12503	3	12-10	5/16"
423-12525	25	12-10	5/16"
423-12599	100	12-10	5/16"
423-12603	3	12-10	3/8"
423-12625	25	12-10	3/8"
423-12699	100	12-10	3/8"
423-21303	3	8	#10
423-21325	25	8	#10
423-21403	3	8	1/4"
423-21425	25	8	1/4"
423-21503	3	8	5/16"
423-21525	25	8	5/16"
423-21603	3	8	3/8"
423-21625	25	8	3/8"
423-21703	3	8	1/2"
423-21725	25	8	1/2"

HEAT SHRINK BUTT CONNECTORS

ORDER NO.	Qty/Pkg	Wire Size
423-09003	3	22-18
423-09025	25	22-18
423-09099	100	22-18
423-09002	500	22-18
423-09103	3	16-14
423-09125	25	16-14
423-09199	100	16-14
423-09102	500	16-14
423-09203	3	12-10
423-09225	25	12-10
423-09299	100	12-10
423-09202	500	12-10
423-09303	3	8
423-09325	25	8
423-00000	10	22-10 Assorted

ADHESIVE LINED HEAT SHRINK BUTT CONNECTOR PACKS

- Reusable jar is clear for easy identification of the terminals and has a flip lid for ease of use
- Reusable case contains six compartments for storage of terminals, fasteners or any small items
- Case compact size (6.625"L x 3.125"W x 1.375"D) fits easily in most storage areas

423-09001

422-20011

ORDER NO.	Mfr. No.	Size	Qty in Jar
423-09001	309001	22-18 AWG	250
423-09101	309101	16-14 AWG	250
423-09201	309201	12-10 AWG	200
423-09000	309000	**Assorted Jar** (50 ea) 22-18, (150 ea) 16-14, (50 ea) 12-10 AWG	250
422-20011	220011	**Assorted Case** (25 ea) 22-18, (25 ea) 16-14, (25 ea) 12-10 AWG	75

HEAT SHRINK DISCONNECTS

- .Wire Size: 16-14

ORDER NO.	Qty/Pkg	Tab	Gender
423-27899	100	.110	Female
423-37899	100	.187	Female
423-17803	3	.250	Female
423-17825	25	.250	Female
423-17899	100	.250	Female
423-17903	3	.250	Male
423-17925	25	.250	Male
423-17999	100	.250	Male

HEAT SHRINK DISCONNECTS

- .Wire Size: 22-18

ORDER NO.	Qty/Pkg	Tab	Gender
423-26899	100	.110	Female
423-36899	100	.187	Female

HEAT SHRINK FLAG DISCONNECTS

- 90˚ angle simplifies wire routing & connections
- .250 (6.4mm) tab size

ORDER NO.	Qty/Pkg	Wire Size	Gender
423-56803	3	22-18	Female
423-56825	25	22-18	Female

HEAT SHRINK FLAG DISCONNECTS

- 90˚ angle
- .250 (6.4mm) tab size

ORDER NO.	Qty/Pkg	Wire Size	Gender
423-57803	3	16-14	Female
423-57825	25	16-14	Female

Cross Linked polyolefin tubing is much stronger than PVC tubing and will not burn like PVC.
Heat activated adhesive lining provides impervious seal to salt water, oil, acids, and sunlight as well as providing strain relief.
Highest shrink ratio - shrinks to 1/3 original size.
Shrinks at 257° F/125° C.
Operating temperature range of -40° C to 110° C.
Shrink tubing is UL.

ADHESIVE LINED TUBING
Specifications (3:1 Ratio)

Size (In.)	Size Shrinks to	Wire Range (AWG)
1/8	1/32"	<18
3/16	1/16"	20 - 12
1/4	5/64"	16 - 10
3/8	1/8"	12 - 8
1/2	5/32"	8 - 4
3/4	1/4"	6 - 2/0

ADHESIVE LINED HEAT SHRINK TUBING (ALT.)

ORDER NO.	Qty/Pkg	Diameter	Length	Color
423-01103	3	1/8"	3"	Black
423-01148	1	1/8"	48"	Black
423-02103	3	3/16"	3"	Black
423-02148	1	3/16"	48"	Black
423-03103	3	1/4"	3"	Black
423-03124	10	1/4"	12"	Black
423-03148	1	1/4"	48"	Black
423-03624	10	1/4"	12"	Red
423-04103	3	3/8"	3"	Black
423-04148	1	3/8"	48"	Black
423-04603	3	3/8"	3"	Red
423-04648	1	3/8"	48"	Red
423-05103	3	1/2"	3"	Black
423-05148	1	1/2"	48"	Black
423-05603	3	1/2"	3"	Red
423-05648	1	1/2"	48"	Red
423-06103	3	3/4"	3"	Black
423-06148	1	3/4"	48"	Black
423-06602	1/1	3/4"	3"	Black/Red
423-06603	3	3/4"	3"	Red
423-06648	1	3/4"	48"	Red

KITS

423-01503	8	3/16-3/4" Kit	3"	Black
423-04503	5	3/8"	3"	Bl/Gr/Rd/Wht/Ylw
423-06503	4	3/4"	3"	Bl/Gr/Rd/Wht/Ylw

HEAT SHRINK STEP-DOWN/MULTI-WIRE CONNECTORS

Ancor's new assortment of adhesives lined heat shrink butt connectors can be used as a step-down from one gauge size to another or as a multi-wire connector for one gauge size wire. These connectors offer a sealed alternative for products such as a quick-tap or 3-way connector in areas where corrosion is a concern.

- 4:1 shrink ratio tubing to ensure a watertight seal between wires
- Flared barrel with uniform copper wall ensures an easy and proper mechanical crimp
- Crimp indicator on barrel for proper placement of installation tool
- Clear heat shrink tubing ensures crimp accuracy
- Coloured stripes on the barrel indicate which crimp die to use, regardless of application

ORDER NO.	Qty/Pkg	AWG	Tubing Colour	Barrel End 1	Barrel End 2
423-20103	3	22-18	Clear/Red Dashes	(1) (22-18 AGW) Red	(1) 16-14 AGW Blue OR
423-20125	25	22-18	Clear/Red Dashes	(1) (22-18 AGW) Red	(2) 22-18 AGW Blue
423-20203	3	16-14	Clear/Blue Dashes	(1) (16-14 AGW) Blue	(1) 12-10 AGW Yellow OR
423-20225	25	16-14	Clear/Blue Dashes	(1) (16-14 AGW) Blue	(2) 16-14 AGW Yellow
423-20303	3	12-10	Clear/Yellow Dashes	(1) (12-10 AGW) Yellow	(1) 8 AGW Red OR
423-20325	25	12-10	Clear/Yellow Dashes	(1) (12-10 AGW) Yellow	(2) 12-10 AGW Red

HEAT SHRINK STEP-DOWN/MULTI-WIRE CONNECTORS-ADHESIVE LINED

- Can be used as a step-down from one gauge size to another or as a multi-wire connector for one gauge size wire
- 4:1 Shrink ratio tubing to ensure a watertight seal

ORDER NO.	Mfr. No.	Size	Qty in Jar
423-20000	320000	**Assorted Jar**	30

(5)24-22 AWG, (10) 22-18 AWG, (10) 16-14, AWG, (5) 12-10 AWG

For more information see: www.ancorproducts.com

ANCOR

UNIVERSAL SPEAKER CONNECTOR KITS

Marine speakers are equipped with male disconnects in two sizes (.250 tab for positive and either .188 tab or .110 tab for negative) depending on speaker manufacturer. Ancor's universal speaker connector kits include (2) .250 tab, (2) .188 tab and (2) .110 tab female adhesive lined heat shrink disconnects to allow a user to install two speakers regardless of manufacturer. Female heat shrink disconnects are the optimal connector for speaker installation as they provide a sealed connection for the harsh marine environment.

ORDER NO.	Mfr. No.	Qty/Pkg
422-02218	SPK2218	6
422-01614	SPK1614	6

UNIVERSAL SPEAKER CONNECTOR KITS

- 90 Piece Kit Includes:

22-18 AWG: (10) .110 tab, (10) .187 tab, (10) .250 tab
16-14 AWG: (20) .110 tab, (20) .187 tab, (20) .250 tab

- Reusable compact case

NEW!

ORDER NO.	Mfr. No.	Qty/Pkg
422-00000	SPKKIT	90

SPECIALITY CONNECTORS

NEW!

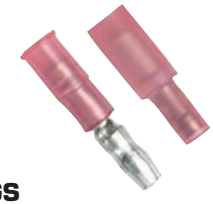
Sizes

MULTI-STACK CONNECTOR

ORDER NO.	Qty/Pkg	Wire Size	Tab Size
422-30602	3	22-18	.250
422-10602A	25	22-18	.250
422-30612	3	16-14	.250
422-10612	25	16-14	.250
422-30622	3	12-10	.250
422-10622	25	12-10	.250

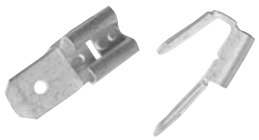
3-WAY CONNECTOR NYLON

ORDER NO.	Qty/Pkg	Wire Size
422-10510	25	16-14
422-10520	25	12-10



SNAP PLUGS

ORDER NO.	Qty/Pkg	Wire Size	Gender
422-30708	4	22-18	Male
422-10708	25	22-18	Male
422-30709	4	22-18	Female
422-10709	25	22-18	Female
422-30718	4	16-14	Male
422-10718	25	16-14	Male
422-30719	4	16-14	Female
422-10719	25	16-14	Female



DOUBLE MALE-FEMALE ADAPTER

ORDER NO..	Qty/Pkg	Wire Size
422-30613	5	.250
422-10613	25	.250

NYLON CABLE CLAMPS

ORDER NO.	Qty/Pkg	Dia.	Colour
424-01122	25	1/8"	Natural
424-01182	25	3/16"	Natural
424-01251	6	1/4"	Natural
424-01252	25	1/4"	Natural
424-01255	100	1/4"	Natural
424-02252	25	1/4"	UV Black
424-01312	25	5/16"	Natural
424-02312	25	5/16"	UV Black
424-01372	25	3/8"	Natural
424-02372	25	3/8"	UV Black
424-01502	25	1/2"	Natural
424-02502	25	1/2"	UV Black
424-01622	25	5/8"	Natural
424-02622	25	5/8"	UV Black
424-01752	25	3/4"	Natural
424-02752	25	3/4"	UV Black
424-01892	25	1	Natural
424-02892	25	1"	UV Black
424-01912	25	1-1/4"	Natural
424-01932	25	1-1/2"	Natural

STAINLESS STEEL CUSHION CLAMPS

ORDER NO.	Qty/Pkg	Dia.	Colour
424-03182	10	3/16"	UV Black
424-03252	10	1/4"	UV Black
424-03312	10	5/16"	UV Black
424-03372	10	3/8"	UV Black
424-03502	10	1/2"	UV Black
424-03562	10	9/16"	UV Black
424-03622	10	5/8"	UV Black
424-03752	10	3/4"	UV Black
424-03872	10	7/8"	UV Black
424-03892	10	1"	UV Black
424-03902	10	1-1/4"	UV Black
424-04152	10	1-1/2"	UV Black
424-04172	10	1-3/4"	UV Black
424-04202	10	2"	UV Black
424-04252	10	2-1/2"	UV Black
424-04302	10	3"	UV Black
424-04352	10	3-1/2"	UV Black

NEW!

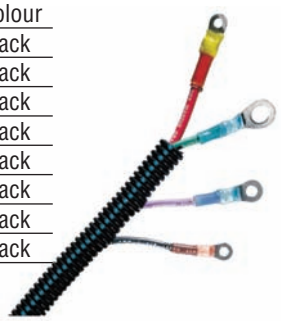
SPLIT LOOM & SPIRAL WRAP

Permits flexible routing of cable harnesses.
Provides abrasion protection for wire and cable.
Allows lead outs at any point for greatest ease of installation.
Split loom temperature range is -40°F to 275°F / -40°C to 135°C
Black is ABYC REG fire retardant.

SPLIT LOOM

Self-extinguishing

ORDER NO.	Ft./Pkg	Dia.	Colour
424-53382	10'	3/8"	Black
424-53386	100'	3/8"	Black
424-53502	10'	1/2"	Black
424-53506	100'	1/2"	Black
424-53752	10'	3/4"	Black
424-53756	100'	3/4"	Black
424-53901	5'	1"	Black
424-53906	100'	1"	Black



SPIRAL WRAP

ORDER NO.	Ft./Pkg	Dia.	Colour
424-52381	10'	3/8"	Black
424-52385	100'	3/8"	Black
424-52251	10'	1/4"	Black
424-52501	10'	1/2"	Black
424-52505	100'	1/2"	Black
424-52751	10'	3/4"	Black
424-52755	100'	3/4"	Black
424-52900	5'	1"	Black
424-52901	100'	1"	Black

GROMMETS

Provide instant abrasion resistance to wires passing through panel holes. Flexible black vinyl makes installation simple.

ORDER NO.	Hole Size	Inside Diameter	Panel Width	Qty/Pkg
427-60375	3/8"	1/4"	3/32"	5
427-60500	1/2"	3/8"	1/16"	5

ASSORTED GROMMET KIT

ORDER NO.	Qty/Pkg	Hole Size
427-50000	45	1/4" - 3/4"

ANCOR

For more information see:
www.ancorproducts.com

CABLE TIE MIXED KIT - Injection Molded Nylon

Black UV stabilized Nylon in 4", 5-5/8", 8-1/2", and 10-1/2" sizes.
Kit contains 25 of each.

ORDER NO. 424-27290

Mfr. No. 427290-1

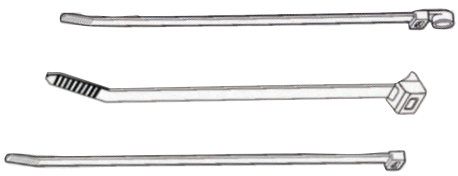
For more information see: www.sea-dog.com

NYLON CABLE TIES – RADIUSED CABLE TIE

Injection Molded Nylon

UV stabilized, high tensile strength, light weight, flexible, all nylon and non-corrosive cable ties.
These versatile, exceptionally durable standard tie wraps can easily support up to 50 lbs. of cable bundling force.

ORDER NO.	Mfr. No.	Length Inches	Description	Colour	Qty (Pk.)
205-10004	004B-C-DP	4"	Cable Tie	Black	100'
205-10007	007B-C-DP	7-1/2"	Heavy-Duty Cable Tie	Black	100'
205-10075	075B-C-DP	7-1/2"	Screw Mount Cable Tie	Black	100'
205-00075	075B-RAD-C-DP	7-1/2"	Radiused Cable Tie	Black	100'
205-10011	011B-C-DP	11"	Cable Tie	Black	100'
205-10014	014B-C-DP	14"	Cable Tie	Black	100'
205-10145	145B-C-DP	14"	Screw Mount Cable Tie	Black	100'



For more information see: www.thmarine.com

CABLE TIES

Ancor offers a wide variety of materials, styles, and sizing options. A patented, DoubleLock design offers increased tensile strength that is 33 percent stronger than the industry standard cable tie. With a unique design and high-quality construction, Marinco cable ties provide a great solution for bundling wire, cable, hoses, cords and countless other applications.

STANDARD CABLE TIES

ORDER NO.	Mfr. No.	Length	Colour	Unit Qty	Bundle Dia. Max	Tensile Strength	DoubleLock	Type 11
421-99205	199205	8"	Natural	100	2"	75 lbs.	yes	yes
421-99207	199207	8"	Black, UV Resistant	100	2"	75 lbs.	yes	yes

MOUNTING CABLE TIES

ORDER NO.	Mfr. No.	Length	Colour	Unit Qty	Bundle Dia. Max	Tensile Strength	DoubleLock	Type 11
421-99227	199227	8"	Natural	100	2"	50 lbs.	no	yes
421-99229	199229	8"	Black, UV Resistant	100	2"	50 lbs.	no	yes

LOW PROFILE/HOSE CABLE TIES

- Reduced head height and contour design conforms to the shape of the wire bundle or hose
- Round design and side tail entry creates a round shape optimal for hoses
- Trimmed tail retracts into cavity leaving a clean, low profile installation
- Tamper-proof pawl is inaccessible after installation
- 50 lb. tensile strength exceeds industry standards

ORDER NO.	Mfr. No.	Length	Colour	Unit Qty	Tensile Strength
421-99325	199325	8"	UV* Black	100/Bag	50 lbs.
421-99329	199329	11"	UV* Black	100/Bag	50 lbs.

For more information see: www.ancorproducts.com

SELF-CUTTING CABLE TIES

Save time and frustration using the latest innovation from Ancor, a self-cutting cable tie. Simply lock and twist to finish the job, with no need for additional tools! This leaves a clean cut, which improves appearance and eliminates the sharp tail while maintaining a 50 lb. tensile strength.

ORDER NO.	Mfr. No.	Length	Colour	Unit Qty	Tensile Strength
421-99336	199336	4"	UV* Black	50/Bag	35 lbs.
421-99337	199337	4"	UV* Black	500/Bag	35 lbs.
421-99342	199342	6"	UV* Black	50/Bag	35 lbs.
421-99343	199343	6"	UV* Black	500/Bag	35 lbs.
421-99275	199275	8"	Natural	50/Bag	50 lbs.
421-99277	199277	8"	UV* Black	50/Bag	50 lbs.
421-99279	199279	11"	Natural	50/Bag	50 lbs.
421-99281	199281	11"	UV* Black	50/Bag	50 lbs.
421-99266	199266	14"	UV* Black	500/Bag	50 lbs.
421-99283	199283	14"	Natural	50/Bag	50 lbs.
421-99285	199285	14"	UV* Black	50/Bag	50 lbs.

*UV Resistant

Simply twist the tie for an exact cut

The end of the tie easily cuts off with no tools needed

MOUNTING SELF-CUTTING CABLE TIES

ORDER NO.	Mfr. No.	Length	Colour	Unit Qty	Tensile Strength
421-99304	199304	11"	UV* Black	50/Bag	50 lbs.
421-99305	199305	11"	UV* Black	500/Bag	50 lbs.
421-99307	199307	14"	UV* Black	50/Bag	50 lbs.
421-99308	199308	14"	UV* Black	500/Bag	50 lbs.

CABLE TIE MOUNT

Mounting bases are the perfect companion for cable ties. They allow a user to mount cable ties just about anywhere. GB's feature a 2-way fastening design where they mount either by the adhesive back, or a center screw for extra holding power. Cable ties can be inserted in 4 different directions which gives greater flexibility in mounting bundles.

ORDER NO.	Mfr. No.	Description
421-99231	199231	#8 Screw, Natural **(25 Pack)**

REPAIR TAPE

Repair tape fuses only to itself when applied under tension.
No sticky residue remains on wrapped surfaces.

- Operates and remains flexible from -60˚F to 500˚F / -51˚C to 260˚C
- Stretches up to 300% its original length with 60 ppi tear strength
- A permanent air and water tight seal
- Excellent UV resistance
- Begins to bond immediately on contact with itself

ORDER NO.	Mfr. No.	Length	Colour	Qty (Pkg.)
423-41010	341010	1" x 10'	Black	1/Roll
423-42010	342010	1" x 10'	Blue	1/Roll
423-43010	343010	1" x 10'	Clear	1/Roll
423-44010	344010	1" x 10'	Green	1/Roll
423-45010	345010	1" x 10'	Grey	1/Roll
423-46010	346010	1" x 10'	Red	1/Roll
423-47010	347010	1" x 10'	White	1/Roll

ANCOR

160 PIECE HEAT SHRINK CONNECTORS & TERMINALS KIT

Butt Connectors

10 22-18 AWG
20 16-14 AWG
10 12-10 AWG

Ring Terminals

15 22-18 AWG #10
15 16-14 AWG #8
15 16-14 AWG #10
15 16-14 AWG 1/4"
10 12-10 AWG #10
10 12-10 AWG 1/4"
10 12-10 AWG 3/8"

Disconnects

20 16-14 AWG Female
10 16-14 AWG Male

ORDER NO. 423-20101
Mfr. No. 320101

440 PIECE NYLON CONNECTORS & TERMINALS KIT

Butt Connectors

40 22-18 AWG
75 16-14 AWG
40 12-10 AWG

Ring Terminals

25 22-18 AWG #8
25 16-14 AWG #8
50 16-14 AWG #10
25 12-10 AWG #8
25 12-10 AWG #10

Disconnects

50 16-14 AWG Fully Insulated Female
30 16-14 AWG Fully Insulated Male
25 16-14 AWG Female
30 16-14 AWG Male

ORDER NO. 422-50101
Mfr. No. 250101

100 PIECE TINNED COPPER LUG KIT

10 ea 8 AWG, 5/16" & 3/8"
10 ea 6 AWG, 5/16" & 3/8"
10 ea 4 AWG, 5/16" & 3/8"
10 ea 2 AWG, 5/16" & 3/8"
5 ea 1/0 AWG, 5/16" & 3/8"
5 ea 2/0 AWG, 5/16" & 3/8"

ORDER NO. 422-55101
Mfr. No. 255101

47 PIECE ADHESIVE LINED HEAT SHRINK TUBING KIT

Black

(10) 3/16" x 6", (10) 1/4" x 6", (10) 3/8" x 6"
(5) 1/2" x 6", (3) 3/4" x 3", (3) 1" x 3"

Red

(3) 3/4" x 3", (3) 1" x 3"

ORDER NO. 423-30101
Mfr. No. 330101

PROMOTIONAL STORAGE KIT

ORDER NO. 666-33407
Mfr. No. P33407

In Use
Kits not Included

MARINE GRADE TINNED WIRE DISPLAY
24 PIECES
This compact counter top display consists of 24 spools of the 12 most common wire sizes & colours. All wire is Premium UL 1426 Tinned Copper Primary Wire. Display comes with full-color planogram, hooks, re-order tags & assembly instructions.
ORDER NO. 666-22180
Mfr. No. DR2218

MINI SPOOL DISPLAY
60 PIECES
This compact counter top display consists of 60 spools of the 12 most common wire sizes & colours. All wire is Premium UL 1426 Tinned Copper Primary Wire.Display comes with full-color planogram, hooks, re-order tags & assembly instructions.
ORDER NO. 666-12180
Mfr. No. DR1218

NYLON CONNECTORS & TERMINALS DISPLAY
720 PIECES
Contains a selection of Ancor's 32 most popular nylon butt connectors, disconnects & ring terminals to fit wire sizes from 22 to 10 AWG. Display comes with full-colour planogram, hooks, re-order tags, & assembly instructions.
ORDER NO. 666-22430
Mfr. No. DR2243

CONNECTOR & TERMINAL DISPLAY
257 PIECES
Contains a selection of the most popular nylon butt connectors, disconnects and ring terminals to fit wire sizes from 22 to 10 AWG. Display comes with full-colour planogram, hooks, re-order tags, and assembly instructions.
ORDER NO. 666-01243
Mfr. No. DR1243

HEAT SHRINK TERMINAL CONNECTOR & TUBING DISPLAY
387 PIECES
Contains Ancor's 29 most popular consumer packages of adhesive lined heat shrink tubing, heat shrink terminals, and butt connectors. Display comes with full-colour planogram, hooks, re-order tags, and assembly instructions.
ORDER NO. 666-22300
Mfr. No. DR2230

ADHESIVE LINED HEAT SHRINK
96 PIECES
Contains Ancor's most popular consumer packages of adhesive lined heat shrink tubing, heat shrink terminals, and butt connectors.. Display comes with full-colour planogram, hooks, re-order tags, and assembly instructions.
ORDER NO. 666-01230
Mfr. No. DR1230

TINNED COPPER LUG DISPLAY
96 PIECES
Contains 24 sizes of heavy duty tinned copper lugs, 8 AWG to 4/0. Includes combo packs, battery terminals, and heavy duty lug crimper. Display comes with full-colour planogram, ho re-order tags, and assembly instructions.
ORDER NO. 666-24250
Mfr. No. DR2425

LUG DISPLAY
113 PIECES
Contains 24 sizes of heavy duty tinned copper lugs, 8 AWG to 4/0. Includes combo packs, battery terminals, and heavy duty lug crimper. Display comes with full-color planogram, hooks, re-order tags, and assembly instructions.
ORDER NO. 666-01425
Mfr. No. DR1425

NOTE: For a complete breakdown of display contents visit ancorproducts.com

NMEA 2000 CABLES & CONNECTORS

ANCOR

NMEA 2000 CERTIFIED CABLES & CONNECTORS - ***Premium Quality. Universal Fit.***

Ancor NMEA 2000 approved cables & connectors simplify creating or expanding an NMEA 2000 network.

- Colour coded for easy installation & component identification
- NMEA 2000 Certified, 100% universal & compatible with other manufacturers' products

Ancor NMEA 2000 Color Key:

- = power connection
- = power isolation
- = backbone connection
- = inline termination
- = drop connection

NMEA APPROVED

NMEA 2000 POWER CABLE W/ TEE

For power connection to an NMEA 2000 network.

- Includes a tee for direct connection to backbone cables
- Large 18 AWG power conductors to reduce voltage drop, provide better reliability.

NMEA 2000 BACKBONE CABLES

For connection to an NMEA 2000 tee connector.

NMEA 2000 Power Isolator connects between NMEA 2000 Tees & backbone cables while isolating the power supply within the network.

- Large 18 AWG power conductors to reduce voltage drop & provide better reliability for critical backbone cables

NMEA 2000 DROP CABLES

For connection between an NMEA 2000 device & tee connector.

- Super flexible 22 AWG power conductors for ease of installation & wiring routing
- Simplified, colour coded network installation

The drop cables are smaller in diameter & more flexible than backbone cables for easy connection to NMEA 2000 devices.

412-70101

422-70103

422-70104

NMEA 2000 TEE CONNECTORS

For connection between NMEA 2000 drop cables & backbone cables.

The yellow nuts connect to the corresponding Ancor tees & backbone cables, creating a simplified, colour coded network installation. The connectors are offered in four configurations for maximum installation flexibility. The two way & four way tee connectors allow for multiple drop cables to be connected without additional backbone cable.

422-70105 Female 422-70106 Male

NMEA 2000 TERMINATORS

For proper termination of an NMEA 2000 network.

One male & one female terminator is required for each NMEA 2000 network.

NMEA 2000 INLINE TERMINATOR

For proper termination of an NMEA 2000 network in a single piece, space saving design.

NEW!

422-70114

The inline terminator connects between a backbone cable & a drop cable, while still maintaining proper termination for the end of the network

NMEA 2000 BLANKING CAPS

Cover unused couplers. (2 Pk).

412-70111 Female

412-70112 Male

NEW!

Protects unused tee connectors from dust & water.

NMEA 2000 90° ELBOW CONNECTOR

Makes cable routing easier.

The connector is installed between two cables to reduce stress on the cables & create a compact installation.

422-70108

NMEA 2000 FIELD SERVICEABLE CONNECTORS

For termination of bare NMEA cable.

Securely terminate bulk cable, or replace a broken end.

422-70109 Female

422-70110 Male

NEW!

NMEA 2000 THROUGH BULKHEAD ADAPTER

Use for transitions through bulk head or panels.

Simplifies installation when routing through a waterproof bulkhead or panel. Creates a connection point for removable equipment such as a computer interface.

422-70107

NEW!

NMEA 2000 POWER ISOLATOR

Isolating power within a NMEA 2000 network.

Connects between NMEA 2000 Tees and backbone cables while isolating the power supply within the network.

422-70113

NMEA 2000 Certified Cables / Connectors / Accessories / Kits

ORDER NO.	Mfr. No.	Description
422-70000	270000	Power Cable w/ Tee
422-70001	270001	Backbone Cable, 1.6 ft. (.5 m)
422-70002	270002	Backbone Cable, 6.5 ft. (2 m)
422-70005	270005	Backbone Cable, 16 ft. (5 m)
422-70010	270010	Backbone Cable, 32 ft. (10 m)
422-70300	270300	Drop Cable, 1.6 ft. (.5 m)
422-70301	270301	Drop Cable, 3.3 ft. (1 m)
422-70302	270302	Drop Cable, 6.5 ft. (2 m)
422-70305	270305	Drop Cable, 16 ft. (.5 m)
412-70101	270101	Single Tee Connector
422-70103	270103	Two Way Tee Connector
422-70104	270104	Four Way Tee Connector
422-70105	270105	Terminator, Female
422-70106	270106	Terminator, Male
422-70114	270114	Inline Terminator
422-70107	270107	Through Bulkhead Adapter
422-70108	270108	90° Elbow Connector
422-70109	270109	Field Serviceable Connectors, Female
422-70110	270110	Field Serviceable Connectors, Male
412-70111	270111	Blanking Caps, Female
412-70112	270112	Blanking Caps, Male
422-70113	270113	Power Isolator
422-70201	270201	Single Device Starter Kit
422-70202	270202	Dual Device Starter Kit
422-70203	270203	Single Device Backbone Starter Kit
422-70400	270400	Planogram Assortment

For more information see: www.ancorproducts.com

NMEA 2000 SINGLE DEVICE STARTER KIT

Kit includes all components needed to create a single device NMEA 2000 network.

KIT INCLUDES:

- (1) Power Cable with Tee, 3.3 ft. (1m), *Part # 422-70000)*
- (1) Male Terminator, *Part # 422-70106)*
- (1) Female Terminator *Part # 422-70105)*
- (1) Single Tee Connector, *Part # 422-70101)*
- (1) Drop Cable, 6.5 ft. (2m), *Part # 422-70302)*

ORDER NO. 422-70201

Mfr. No. 270201

422-70201

NMEA APPROVED

NMEA 2000 DUAL DEVICE STARTER KIT

Kit includes all components needed to create a dual device NMEA 2000 network.

KIT INCLUDES:

- (1) Power Cable with Tee, 3.3 ft. (1m), *Part # 422-70000)*
- (1) Male Terminator, *Part # 422-70106)*
- (1) Female Terminator *Part # 422-70105)*
- (1) Dual Tee Connector, *Part # 422-70103)*
- (2) Drop Cable, 6.5 ft. (2m), *Part # 422-70302)*

ORDER NO. 422-70202

Mfr. No. 270202

422-70202

NMEA APPROVED

NMEA 2000 SINGLE DEVICE BACKBONE STARTER KIT

Basic starter kit for adding a new NMEA 2000 network to your boat.

KIT INCLUDES:

- (1) Power Cable with Tee, 3.3 ft. (1m), *Part # 422-70000)*
- (1) Male Terminator, *Part # 422-70106)*
- (1) Female Terminator *Part # 422-70105)*
- (1) Single Tee Connector, *Part # 422-70101)*
- (1) Drop Cable, 1.64 ft. (.5m), *Part # 422-70300)*
- (1) Backbone Cable, 16.4 ft. (5m), *Part # 422-70005)*

ORDER NO. 422-70203

Mfr. No. 270203

422-70203

NMEA APPROVED

NMEA 2000 PLANOGRAM ASSORTMENT

Simple drop in NMEA 2000 store kit. Kit includes everything needed to build a new NMEA network or expand on an existing network.

KIT INCLUDES:

- (1) Power Cable with Tee, 3.3 ft. (1m), *Part # 422-70000)*
- (1) NMEA 2000 Backbone Cable, 32 ft. (10m), *Part # 422-70010)*
- (1) Single Tee Connector, *Part # 422-70101)*
- (1) Female Terminator *Part # 422-70105)*
- (1) Male Terminator, *Part # 422-70106)*
- (1) Field Serviceable Connector, *Part # 422-70109), Female*
- (1) Field Serviceable Connector, *Part # 422-70110), Male*
- (1) Single Device Starter Kit, *Part # 422-70201)*
- (1) Drop Cable, 3.3 ft. (1m), *Part # 422-70301)*
- (1) Drop Cable, 16 ft. (5m), *Part # 422-70305)*

ORDER NO. 422-70400

Mfr. No. 270400

422-70400

NMEA 2000 NETWORK CABLES & CONNECTORS

- NMEA approved & specifically designed to fit marine requirements
- Follows requirements of a serial data communication network to interconnect electronic equipment
- Equipment designed to this system will have the ability to share data
- Share data, including commands & status with other compatible equipment over a single channel
- Rated to IPX7 for reliable, water-tight connections
- Interchangeable with other NMEA 2000 products
- Premium metal connection collars ensure connections are tight & secure

NMEA 2000 SINGLE DEVICE STARTER KIT

Kit includes all components needed to create a single device NMEA 2000 network.

KIT INCLUDES:

- (1) NMEA 2000 Micro T-Piece *(Mfr. No. PC51060)*
- (1) NMEA 2000 Male Termination Resistor *(Mfr. No. PC51080)*
- (1) NMEA 2000 Power T Cable, 3 ft. *(Mfr. No. PC51050)*
- (1) NMEA 2000 Micro-C Drop Cable 6 ft. *(Mfr. No. PC51160)*
- (1) NMEA 2000 Female Termination Resistor *(Mfr. No. PC51070)*

ORDER NO. 051-51200

Mfr. No. PC51200

051-51200

NMEA 2000 DUAL DEVICE STARTER KIT

Kit includes all components needed to create a dual device NMEA 2000 network.

KIT INCLUDES:

- (1) NMEA 2000 Male Termination Resistor *(Mfr. No. PC51080)*
- (1) NMEA 2000 Power T Cable, 3 ft. *(Mfr. No. PC51050)*
- (1) NMEA 2000 Micro-C Drop Cable 6 ft. *(Mfr. No. PC51160)*
- (1) NMEA 2000 Female Termination Resistor *(Mfr. No. PC51070)*
- (1) NMEA 2000 Micro 2-Tee Piece *(Mfr. No. PC51100)*

ORDER NO. 051-51210

Mfr. No.PC51210

051-51210

NMEA 2000 MULTIPLE DEVICE STARTER KIT

Kit includes all components needed to create a dual device NMEA 2000 network.

KIT INCLUDES:

- (1) NMEA 2000 Male Termination Resistor *(Mfr. No. PC51080)*
- (1) NMEA 2000 Hub *(Mfr. No. PC51180)*
- (1) NMEA 2000 Micro-C Drop Cable 6 ft. *(Mfr. No. PC51160)*
- (1) NMEA 2000 Female Termination Resistor *(Mfr. No. PC51070)*
- (1) NMEA 2000 Micro C Drop Cable 6 ft. *(Mfr. No. PC51150)*

ORDER NO. 051-51230

Mfr. No. PC51230

051-51230

ConnectCharge™ Inlet 150CCI

For use with Guest Battery Chargers with ConnectCharge Plug Only!

UNIVERSAL MOUNT

Mount to dash from rear with threaded locking ring or from the front with three screws through face plate

- Eliminates rewiring, plug snaps into Inlet locking tab
- Watertight lid protects AC plug
- Easy to install or retrofit

ORDER NO. 055-01501
Mfr. No. 150CCI

New plus design is a standard feature on all Guest On-Board Trolling Motor and Bluewater chargers with AC plug.

On-Board Charger Inlet 150 BB1

The MARINCO® On-Board Charger Inlet is a revolutionary design in flanged inlets. The sleek design fits almost anywhere on a boat's exterior, and fishing line won't catch on the low-profile, UV resistant cap.

With the On-Board Charger Inlet hard-wired to an on-board battery charger, charging can occur with all the boat's hatches closed and locked, adding convenience and security for the boater.

- 15A 125V straight blade inlet
- Small enough to be mounted almost anywhere on a boat
- Low profile cap won't catch fishing line
- Color and style fit in nicely with appearance of the boat
- Mounts quickly and easily to fiberglass and aluminum hulls
- Perma-Lock™ terminals and color coded wire entrance holes makes wiring a snap
- UV resistant housing and cap

ORDER NO. 055-01500 Mfr. No. 150BBI

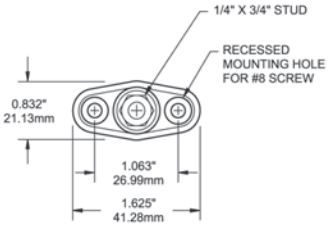
MARINCO®

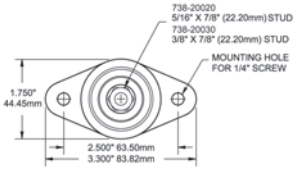
For more information see:
www.marinco.com

BLUE SEA SYSTEMS

POWERPOST HIGH AMPERAGE CABLE CONNECTORS

- Connect high-amperage cables securely
- Not rated for continuous amperage – amperage flows between terminals stacked on post
- Maximum voltage 48 volts DC
- CE Marked

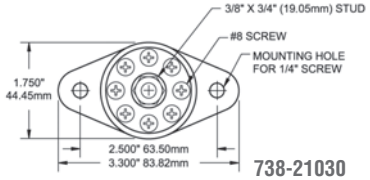




ORDER NO.	Mfr. No.	Description	Screws
738-20100	2010-BSS	#10-32 x 5/8" Stud	#8
738-20110	2011-BSS	1/4" - 20 x 3/4" Stud	#8
738-20020	2002-BSS	5/16" - 18 x 7/8" Stud	1/4"
738-20030	2003-BSS	3/8" - 16 x 7/8" Stud	1/4"

POWERPOST PLUS CABLE CONNECTORS

- 150 A bus allows small wire connections at high amperage cable connections
- Terminal Screws: 8 x #8-32
- CE Marked



ORDER NO.	Mfr. No.	Description
738-21010	2101-BSS	1/4" - 20 x 1" Stud
738-21020	2102-BSS	5/16" - 18 x 3/4" Stud
738-21030	2103-BSS	3/8" - 16 x 3/4" Stud

DUAL POWERPOST CABLE CONNECTOR

Provides a termination point for extending the length of outboard harnesses or other conductors

- Designed for outboard engine installation when factory cables need to be extended
- Includes one black and one red insulator
- 1 x 5/16" Stud, 1 x 3/8" Stud,

ORDER NO.	Mfr. No.	Stud Height 'A'	Stud Height 'B'
738-20180	2018-BSS	1.50 inches	1.63 inches

STUD MOUNT INSULATING BOOTS

Quickly & easily insulate conductive posts & studs

- Press-fit design works with all 5/16" (M8) & 3/8" (M10) posts & studs
- Ideal for ML-Series remote battery switches, solenoids & automatic charging relays, battery terminals, power posts, bus bars, battery switches, & much more
- For use with insulated ring terminals & lugs only

NEW!

2 per pack

ORDER NO.	Mfr. No.	Colour
738-40000	4000-BSS	Red

ROTATING CABLECAP INSULATORS

- Top rotates 360° to allow cable entry from any angle
- For batteries with integral marine wing nut posts
- Fits all cable sizes
- Sold as a pack containing 1 Black and 1 Red

ORDER NO. 738-40010
Mfr. No. 4001-BSS

STANDARD CABLECAP INSULATORS

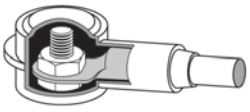
Insulates battery terminals which have added adapter terminals.
Sold as a pair - 1 Red, 1 Black.

738-40050

ORDER NO.	Mfr. No.	Cable Size (AWG)
738-40050	4005-BSS	4, 2, 1
738-40060	4006-BSS	1/0, 2/0

STUD CABLECAP INSULATORS

- Insulated single stud on alternators, starters, windlasses and high amperage termination points.



ORDER NO.	Mfr. No.	Cable Size (AWG)	Colour	Qty/Pack
738-40080	4008-BSS	18-10	Red	3
738-40090	4009-BSS	18-10	Black	3
738-40100	4010-BSS	8-4	Red	2
738-40110	4011-BSS	8-4	Black	2
738-40120	4012-BSS	2-2/0	Red	1
738-40130	4013-BSS	2-2/0	Black	1
738-40140	4014-BSS	3/0-4/0	Red	1
738-40150	4015-BSS	3/0-4/0	Black	1

AUTOMOTIVE CABLECAP INSULATORS

Insulates battery terminals which have standard automotive posts.
Sold as a pair - 1 Red, 1 Black.

738-40160

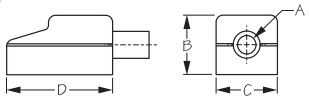
ORDER NO.	Mfr. No.	Cable Size (AWG)
738-40160	4016-BSS	4, 2, 1
738-40170	4017-BSS	1/0, 2/0

For more information see: www.bluesea.com

BATTERY TERMINAL COVERS

Injection Molded PVC

- Set includes (1) black and (1) red cover



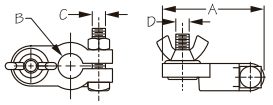
ORDER NO.	Mfr. No.	A	B	C	D	Cable Gauge
424-15110 (Pair)	415110-1	1/2"	1-5/8"	1-11/16"	2-7/8"	4,2,1
424-15115 (Pair)	415115-1	5/8"	1-5/8"	1-11/16"	2-7/8"	1/0, 2/0

BATTERY TERMINAL WING NUT STYLE

Die Cast Lead

ORDER NO.	Mfr. No.	Description
424-15210	415210-1	Positive/Negative Set

A: 2-5/16" **B:** 9/16"
C: 5/16" **D:** 5/16"

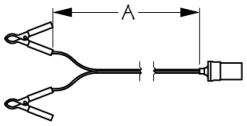


POWER SOCKET WITH BATTERY CLIPS

Stamped Brass/Injection Molded Nylon

ORDER NO.	Mfr. No.	A
424-26450	426450-1	6'

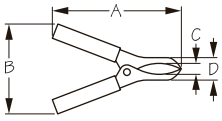
The Battery Clip Adapter allows the use of 12 volt power accessories on small boats without a built in power socket.



BATTERY CLIPS

Stamped Copper Plated Steel

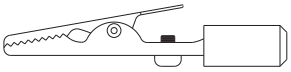
ORDER NO.	Mfr. No.	A	B	C	D	Amps
424-26460 (Pair)	426460-1	3"	2-1/8"	1/4"	9/16"	10 A



ALLIGATOR CLIPS

Chrome Plated Steel

ORDER NO.	Mfr. No.	Colour	Amps
424-26470 (Pair)	426470-1	Red & Black	10A



For more information see:www.sea-dog.com

MOELLER marine products

BATTERY TERMINAL COVER SET

- Meets Coast Guard safety regulations for anti-short protection
- Accepts up to 1/2" O.D. cable with flexible PVC covers
- Set includes (1) black and (1) red cover

ORDER NO. 615-99078-10 Mfr. No. 099078-10

For more information see: www.moellermarine.com

Sierra Marine Engine and Drive Parts

3/4" TEST CLIPS

50 AMP
Replaces: OMC 390926
ORDER NO. 051-10250
Mfr. No. EC10250
(One Pair)

BATTERY TERMINALS

Negative - 5/16" Stud Size
ORDER NO. 051-44440
Mfr. No. BT44440

NEW!

Positive - 3/8" Stud Size
ORDER NO. 051-44450
Mfr. No. BT44450

For more information see: www.catalog.sierraparts.com

FASTENERS & ACCESSORIES
HANDI-MAN MARINE
KEEPING REPAIRS AT BAY

BATTERY TERMINAL GUARDS

- Snaps over existing terminal and cable
- Resistant to acid and corrosive materials

(Set of Black & Red) for 2 Gauge Cable
ORDER NO. 022-70200 (Pair)
Mfr. No. 960005

(Set of Black & Red) for 4 Gauge Cable
ORDER NO. 022-70400 (Pair)
Mfr. No. 960006

For more information see: www.handimanmarine.com

HYDRA® MULTI CONNECTION MARINE BATTERY TERMINALS WITH COVER- 3 WAY

- Easily manage individual connections at the battery
- Lead-free, marine grade zinc construction
- Zinc terminal provides improved conductivity
- Superior resistance to corrosion
- Stainless steel connections
- Colour coded insulated wing nuts
- Improved conductivity over lead without negative health effects

ORDER NO. 205-99003-1 Mfr. No. HYBT-320-DP

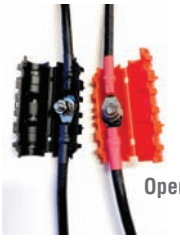
COVER Only
ORDER NO. 205-99004 Mfr. No. HYBT-3C-DP

NEW!

HYDRA® BATTERY CABLE EXTENDER KIT

- Comes with stainless steel hardware, 5/16-18 stud
- Extends the length of your cables
- Prevents the need for butt splices
- Acts as a simple solution to most electrical rigging issues

TH MARINE



ORDER NO. 205-99005
Mfr. No. HCE-K-DP

For more information see: www.thmarinesupplies.com

BATTERY BOXES & TRAYS

BATTERY BOXES

All battery boxes meet ABYC standard E-10 and U.S. Coast Guard Specification Number 183.420 as an OEM-installed battery hold-down system. Polypropylene construction for total acid resistance. Hold-down straps resist 350 pounds of force, nearly four times the USCG requirement. Battery Boxes are drop tested in temperatures ranging from -20°F to +120°F.
Hold-Down strap and mounting hardware included.

- Black, vented battery boxes
- 4 cable openings. Enlarged to .55" diameter
- Larger handles with rolled edges
- Instructions molded inside cover
- Hardware includes four #8, 3/4" screws and two footman clamps
- Straps are woven polypropylene with "firm grip" buckle and completely resistant to battery acid.

STANDARD BATTERY BOX

Use with 24/24M series batteries.

ORDER NO. 109-90650

POWER GUARD 27 BATTERY BOX

Use with 27/27M series batteries.

ORDER NO. 109-90671

ORDER NO.	Mfr. No.	For Battery Series	Inside Dimensions* (L x W x H)	Outside Dimensions* (L x W x H)
109-90650	9065-1	24/24M	11-1/8" x 7-3/4" x 10-1/8"	14" x 9-5/5" x 10-5/8"
109-90671	9067-1	27/27F/27M	13-7/8" x 7-1/4" x 10-1/2"	16-7/8" x 9-5/8" x 10-7/8"

*Dimensions with lid installed

BATTERY BOX STRAPS & HARDWARE

38" STRAP WITH HARDWARE

For 109-90650 & 109-90671 Battery Boxes

ORDER NO. 109-90130

Mfr. No. 9013-3

38" STRAP ONLY

ORDER NO. 109-90140

Mfr. No. 9014-3

BATTERY BOX HARDWARE ONLY

ORDER NO. 109-90060

Mfr. No. 9006-1

For more information see: www.attwoodmarine.com

MOELLER marine products

MOELLER SELECT

801-42214

801-42217-10

Perforated Knockouts

BATTERY BOX AND HARDWARE

- Non-corrosive hi-strength injection-moulded plastic construction available for 24, 27, 30 & 31 series batteries
- Perforated knockouts allow larger dia. wire to be connected without bending
- Complete with hold-down strap and mounting hardware!
- Battery strap includes footman loops & stainless steel screws.

ORDER NO.	Mfr. No.	For Battery/Description
801-42213	042213	**24 Series** /13.43"L x 9.09"W x 10.34"H *(Holds batteries up to 10.50"L x 7.00"W x 8.37"H)*
801-42214	042214	**27, 30, 31 Series** /16.63"L x 9.56"W x 10.75"H *(Holds batteries up to 12.75"L x 7.00"W x 9.00"H)*
801-42217-10	042217-10	39" Replacement Tie Down Strap with Hardware

615-42215

BATTERY TRAYS

- Non-corrosive heavy-duty plastic construction
- Self-locking security knobs
- Stainless steel hold-down rods

ORDER NO.	Mfr. No.	For Battery/Description
615-42215	042215	**24 Series** / 12.88"L x 7.50"W x 9.70"H *(Holds batteries up to 11.75"L x 6.75"W x 7.75"H)*
801-42232	042232	**27 Series** / 14.38"L x 7.50"W x 11.35"H *(Holds batteries up to 11.75"L x 6.75"W x 7.75"H)*
615-42216	042216	**29 - 31 Series** / 16.19"L x 7.50"W x 11.50"H *(Holds batteries up to 13.00"L x 7.43"W x 10.00"H)*

For more information see: www.moellermarine.com

MOELLER marine products

For more information see: www.moellermarine.com

POWER CENTER BATTERY BOX

- Hold 27, 30 & 31 series batteries
- Non-corrosive, durable polyethylene
- Easy-to-use charge indicator
- 12 volt adapter built-in to lid!
- Includes 10 amp resettable breaker for added protection
- Complies with all USCG requirements
- Ready to use!
- Custom hold down strap
- New knockouts to allow easy cable routing directly to the battery terminals

Dimensions: 16.00"L x 9.88"W x 10.88"H
Fits Batteries: 13.25"L x 7.25"W x 8.88"H

ORDER NO.	Mfr. No.	Fits
801-42203	042203	27, 30 & 31 Series Batteries

BATTERY BOXES

- Lightweight, heavy duty corrosion-resistant polypropylene
- Designed to secure and protect your battery.
- Include lift-off lid, durable woven hold-down strap, foot clamps & stainless steel screws
- Meets USCG CFR 183.420 & ABYC E-010.7

CAMCO

55372

ORDER NO.	Mfr. No.	Description	Inside Dimensions w/Lid (L x W x H)	For Battery Series
668-55362	55362	Small Battery Box	11.33" x 7.84" x 9.9"	24
668-55372	55372	Large Battery Box	13.87" x 7.87" x 10.9"	27/30/31
668-55364	55364	Replacement Strap w/ Hardware Only		

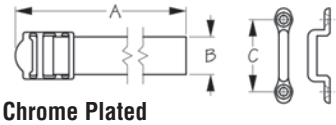
For more information see: www.camco.net

SEA-DOG LINE QUALITY MARINE GEAR

BATTERY TRAY W/ STRAP

Injection Molded Polypropylene

ORDER NO.	Mfr. No.	Battery Size	Fastener
424-15044-1	415044-1	24 Series	1/4" RH



BATTERY BOX HEAVY DUTY STRAP

Woven Polyproplene/Stainless/Brass Chrome Plated

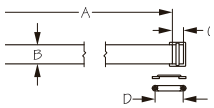
ORDER NO.	Mfr. No.	A	B	C	Fastener
424-15082	415082-1	48"	1"	2-3/16"	#8 FH"

BATTERY TRAY

Injection Molded Polypropylene

ORDER NO.	Mfr. No.	Battery Size	Fastener
424-15054	415054-1	24 Series	1/4" RH

For more information see: www.sea-dog.com



BATTERY BOX STRAP & BRACKETS

Woven Polyproplene

ORDER NO.	Mfr. No.	A	B	C	D
424-15092	415092-1	38"	1-9/16"	1"	2-5/16"
424-15094	415094-1	54"	1-9/16"	1"	2-5/16"

TH MARINE

SPACE SAVER BATTERY TRAYS

- Fits into tighter spaces
- Meets all NMMA & ABYC specifications
- Recess mounting wells - No tabs
- Poly Strap (Patented) with
- Quick release buckle

ORDER NO.	Mfr. No.	Description
205-99241	NBH-24P-DP	**Series 24** 10-5/8"L x 7"W (Inside) 8"W (Outside) x 1"H
205-99271	NBH-27P-DP	**Series 27** 12-1/2"L x 7"W (Inside) 8.5"W (Outside) x 1"H

For more information see: www.thmarine.com

attwood

HEAVY DUTY BATTERY TRAYS

- Non-corrosive black plastic
- Adjustable height crossbar and 2 retaining bolts
- Meets ABYC Standard E-10 and U.S. Coast Guard requirements
- Mounts with #10 screws

ORDER NO.	Mfr. No.	Fits
109-90945	9094-5	29/31 Series Batteries
109-90955	9095-5	27/27M Series Batteries
109-90965	9096-5	24/24M Series Batteries

HEAVY DUTY ADJUSTABLE BATTERY TRAYS

- Heavy-duty, non corrosive, black plastic
- Extends up to 9.5", making it ideal for taller batteries
- Includes adjustable-height crossbar and (2) retaining bolts
- Contains no metal parts to corrode and no webbing straps to fade
- Ergonomic nuts and bolts easily secure batteries.
- Meets ABYC Standard E-10 and USCG requirements

ORDER NO.	Mfr. No.	Inside Dimensions	Fits
109-90975	9097-5	10-5/8" x 6-3/4"	24/24M/24F
109-90985	9098-5	12-1/8" x 6-3/4"	27/27M/27F

ADJUSTABLE BATTERY HOLD-DOWN TRAYS

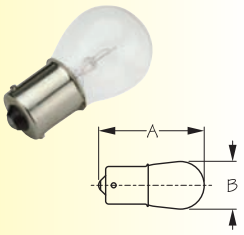
Heavy-duty, non-corrosive black plastic. Includes adjustable-height crossbar and two retaining bolts. Meets ABYC Standard E-10 and U.S. Coast Guard requirements. Patented design. Install with #10 screws.

ORDER NO.	Mfr. No.	Description	Inside Dimensions	For Battery Series
109-90900	9090-5	Small Battery Tray	10-5/8" x 7-1/4" x 8-1/2"	24/24M
109-90910	9091-5	Large Battery Tray	12-1/8" x 7-1/4" x 8-1/2"	27/27M

SEA-DOG LINE
QUALITY MARINE GEAR

SINGLE CONTACT BAYONET BASE LIGHT BULB - Nickel Plated Brass Base

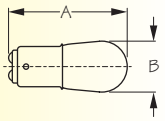
ORDER NO.	Mfr. No.	Trade#	A	B	Design Amps	Design Volts	Design Watts	Candle Power
424-41003 pr.	441003-1	1003	1-5/8"	3/4"	.94 A	12.8 V	12.0 W	15
424-41067 pr.	441067-1	67	1-3/8"	3/4"	.59 A	12.8 V	8.0 W	4
424-41093 pr.	441093-1	93	1-7/8"	1"	1.04 A	12.8 V	13.3 W	15
424-41141 pr.	441141-1	1141	1-15/16"	1"	1.44 A	12.8 V	18.4 W	21
424-41156 pr.	441156-1	1156	1-15/16"	1"	2.1 A	12.8 V	26.9 W	32



DOUBLE CONTACT BAYONET BASE LIGHT BULB - Nickel Plated Brass Base

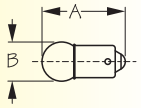
ORDER NO.	Mfr. No.	Trade#	A	B	Design Amps	Design Volts	Design Watts	Candle Power
424-41004 pr.	441004-1	1004	1-3/4"	3/4"	.94 A	12.8 V	12.0 W	15
424-41032 pr.	441032-1		1-3/8"	3/4"	.25 A	12.8 V	5.0 W	4.5
424-41034 pr. **	441034-1	1034	1-15/16"	1"	1.8/.59 A	12.8 V	23.04/8.26 W	32/3
424-41076 pr.	441076-1	1076	1-7/8"	1"	1.80 A	12.8 V	23.0 W	32
424-41082 pr.	441082-1	82	1-3/8"	3/4"	1.02 A	6.5 V	6.6 W	6
424-41090 pr.	441090-1	90	1-3/8"	3/4"	.58 A	12.8 V	7.5 W	6
424-41094 pr.	441094-1	94	1-7/8"	1"	1.04 A	12.8 V	13.3 W	15
424-41142 pr.	441142-1		1-7/8"	1"	1.44 A	12.8 V	18.4 W	21
424-41143 pr. *	441143-1		1-7/8"	1"	1.44 A	12.8 V	18.4 W	21
424-41157 pr. **	441157-1	1157	1-15/16"	1"	2.1/.59 A	12.8 V	26.88/8.26 W	32/3

*Bulbs Have Red Lenses **Dual Filament Lamp



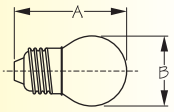
MINI- BAYONET LIGHT BULB - Nickel Plated Brass Base

ORDER NO.	Mfr. No.	Trade#	A	B	Design Amps	Design Volts	Design Watts	Candle Power
424-41053 pr.	441053-1	53	15/16"	7/16"	.12 A	12.8 V	1.7 W	1
424-41057 pr.	441057-1	57	1-1/16"	9/16"	.24 A	12.8 V	3.4 W	2



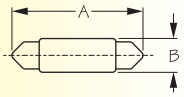
MEDIUM SCREW BASE LIGHT BULB - Brass Base

ORDER NO.	Mfr. No.	Trade#	A	B	Design Amps	Design Volts	Design Watts	Candle Power
424-41027 ea.	441027-1	E27	2-1/2"	1-9/16"	1.25 A	12 V	15 W	N/A



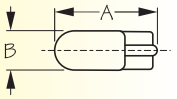
FESTOON LIGHT BULB - Nickel Plated Brass Base

ORDER NO.	Mfr. No.	Trade#	A	B	Design Amps	Design Volts	Design Watts	Candle Power
424-41070 pr.	441070-1	70	1-9/16"	7/16"	1.17A	12.8 V	15.0 W	12
424-41071 pr.	441071-1	71	1-3/16"	7/16"	.72A	12.8 V	10.0 W	6
424-41854 pr.	441854-1		1-1/4"	5/16"	.72A	12.8 V	10.0 W	6
424-41209 pr.	441209-1		1-3/16"	3/8"	.25A	12.8 V	5.0 W	2
424-41211 pr.	441211-1	211-2	1-11/16"	7/16"	1.17A	12.8 V	15.0 W	12
424-41212 pr.	441212-1	212-2	1-11/16"	7/16"	.72A	12.8 V	10.0 W	6



WEDGE LIGHT BULB

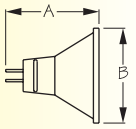
ORDER NO.	Mfr. No.	A	B	Design Amps	Design Volts	Design Watts	Candle Power
424-41194 pr.	441194-1	1"	3/8"	.27 A	12.8 V	3.8 W	2
424-41906 pr.	441906-1	1-3/8"	9/16"	.69 A	12.8 V	9.0 W	6



HALOGEN BULB WITH REFLECTOR

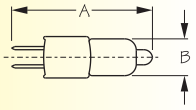
ORDER NO.	Mfr. No.	A	B	Design Amps	Design Volts	Design Watts	Candle Power
424-41816 ea.	441816-1	1-3/4"	2"	.83 A	12.8 V	10 W	500

MR-16 style Halogen bulb is used in Mfr. No. 400540, 400545, 400565



HALOGEN LIGHT BULB

ORDER NO.	Mfr. No.	A	B	Design Amps	Design Volts	Design Watts	Candle Power
424-41890 pr.	441890-1	1-1/4"	5/16"	1.66 A	12.8 V	10 W	350
424-41891 pr.	441891-1	1-1/4"	5/16"	1.66 A	12.8 V	20 W	700



For more information see: www.sea-dog.com

PERKO® MADE IN THE USA

69 DP CLR, 70 DP0 CLR, 70 DP1 CLR, 71 DP CLR, 72 DP1 CLR, 70 DP2 CLR.

338 DP1 CLR, 338 DP2 CLR.

337 011 DP, 337 012 DP.

PERKO BULBS/LAMPS

ORDER NO.	Mfr. No.	Voltage	Nominal Wattage	Amps	Bulb Diameter	Bulb Length
621-00692	69 DP CLR	12	10	.83	3/8	1-5/8
621-00702	70 DP0 CLR	12	10	.74	3/8	1-11/16
621-07012	70 DP1 CLR	12	15	.97	9/16	1-11/16
621-00712	71 DP CLR	12	10	.80	3/8	1-1/8
621-07212	72 DP1 CLR	24	10	.40	3/8	1-1/8
621-37011	337 011 DP	12	7	.58	3/4	1-7/16
621-37012	337 012 DP	12	11	.94	3/4	1-3/4
621-03381	338 DP1 CLR	12	5	.35	13/32	1-1/16
621-03382	338 DP2 CLR	12	9	.69	5/8	1-1/2

For more information see: www.perko.com

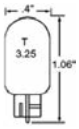
ANCOR

GENERAL LAMPS

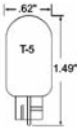
Heavy duty glass envelope for break resistance. Nickel-plated brass bases prevent corrosion while insuring a positive point-of-contact. Filaments, with "rough service" design, permit hours of reliable burning. Available in various configurations, tested for dependability. Nickel plated brass for corrosion resistance and positive contact.

Figure Letter	ORDER NO.	Trade No.	System Volts	Design Volts	Design Amps	Design Watts	CP	Life	Qty/Pkg
A	425-20194	194	12.00	14.00	.27	3.80	2.00	1500	2
B	425-20906	906	12.00	13.00	.69	9.00	6.00	1000	2
C	424-41004	1004	12.00	12.80	.94	12.00	15.00	200	2
D	425-20090	90	12.00	13.00	.58	7.50	6.00	750	2
E	425-21142	1142	12.00	12.80	1.44	18.40	21.00	1000	2
F	425-20097	97	12.00	13.50	.69	9.30	4.00	5000	2
G	425-21157	1157	12.00	12.8/14	2.1/.59	27/8		1200/5000	2

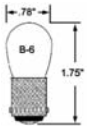
(A) Wedge Base



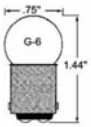
(B) Wedge Base



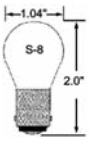
(C) Double Contact Bayonet Base



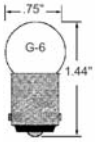
(D) Double Contact Bayonet Base



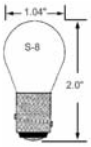
(E) Double Contact Bayonet Base



(F) Single Contact Bayonet Base



G) Double Contact Index Base

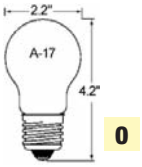


ANCOR

For more information see:
www.ancorproducts.com

MEDIUM SCREW BASE

Figure Letter	ORDER NO.	Trade No.	System Volts	Design Volts	Design Amps	Design Watts	Life	Qty/ Pkg
O	425-31025	25A17/12	12.00	13.50	2.08	25.00	1000	2
O	425-31050	50A17/12	12.00	13.50	4.17	50.00	1000	2
O	425-33050	50A17/34	32.00	36.00	1.47	50.00	1000	2

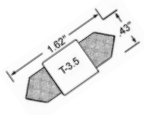


O

FESTOON END CAPS

Figure Letter	ORDER NO.	Trade No.	System Volts	Design Volts	Design Amps	Design Watts	CP	Qty/ Life	Pkg
P	425-29102		12.00	13.50	.83	10.00	8.00	1000	2
Q	425-22112	211-2	12.00	12.80	.97	15.00	12.00	1000	2
Q	425-22122	212-2	12.00	13.50	.74	10.00	6.00	2000	2

P



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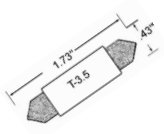
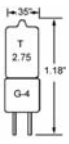


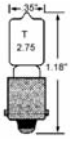
MINIATURE HALOGEN LAMPS

Figure Letter	ORDER NO.	System Volts	Design Volts	Design Amps	Design Watts	CP	Life	Qty/ Pkg
R	425-29362	12.00	12.00	.83	10.00	11.00	2000	1
S	425-29355	12.00	12.00	.42	5.00	5.00	2000	1

R



S



G4 BASE SAPPHIRE COB LED - 10-30V DC

CC ORDER NO.	Mfr. No	Light Colour	Specifications	Features:
240-43015-1	LED-G4-COB-15-WW	Warm White	Volts: 10 to 30v DC Watts: 2.0w Lumen: PW 225lm Lumen: WW 235lm View Angle: 360˚ Dia: 12.5mm - Length 39mm	Produces over 200 lumen output of light with a 360˚ spread instead of the traditional directional beam. The COBB LED light replaces a 25-30W Halogen. A transparent encapsulated body protects the bulb from the elements. NON polarity Sensitive
240-43015-2	LED-G4-COB-15-PW	Pure White		

G4 BASE - SIDE PIN - 10-30V DC - NON POLARITY SENSITIVE

CC ORDER NO.	Mfr. No	Light Colour	Specifications	Replaces:
240-46000-1	LED-G4S-6-WW	Warm White	Lumens: 70-80lm Watts: 1.0W	Replaces SW 529361
240-46000-2	LED-G4S-6-PW	Pure White		
240-46000-3	LED-G4S-6-BL	Blue		

CC ORDER NO.	Mfr. No	Light Colour	Specifications	Replaces:
240-49000-1	LED-G4S-9-WW	Warm White	Lumens: 95-115lm Watts: 1.6W	Replaces 10W 529632, 529338
240-49000-2	LED-G4S-9-PW	Pure White		
240-49000-3	LED-G4S-9-BL	Blue		

CC ORDER NO.	Mfr. No	Light Colour	Specifications	Replaces:
240-41200-1	LED-G4S-12-WW	Warm White	Lumens: 120-140lm Watts: 2.2W	Replaces 20W 529367, 529368
240-41200-2	LED-G4S-12-PW	Pure White		
240-41200-3	LED-G4S-12-BL	Blue		

G4 BASE - BACK PIN - 10-30V DC - NON POLARITY SENSITIVE

CC ORDER NO.	Mfr. No	Light Colour	Specifications	Replaces:
240-46100-1	LED-G4B-6-WW	Warm White	Lumens: 70-80lm Watts: 06W	Replaces SW 529361
240-46100-2	LED-G4B-6-PW	Pure White		

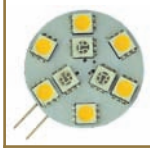
CC ORDER NO.	Mfr. No	Light Colour	Specifications	Replaces:
240-49100-1	LED-G4B-9-WW	Warm White	Lumens: 95-115lm Watts: 1.6W	Replaces 10W 529632, 529338
240-49100-2	LED-G4B-9-PW	Pure White		

CC ORDER NO.	Mfr. No	Light Colour	Specifications	Replaces:
240-41210-1	LED-G4B-12-WW	Warm White	Lumens: 120-140lm Watts: 2.2W	Replaces 20W 529367, 529368
240-41210-2	LED-G4B-12-PW	Pure White		

COLOUR SWITCHING BULBS - 10-30V DC - NON POLARITY SENSITIVE

The **multi level output bulbs** offer boaters the ability to achieve two or three levels of lighting by replacing their standard 5 watt or 10 watt G4 halogen bulb to a LuxOr Marine multi level replacement bulb. Switch between 9 LEDs, to 6 LEDs to 3 LEDs offering you tri level lighting or between 6 LEDs and 3 LEDs for dual level lighting. All this can be done without changing the fixture, installing extra switches or an expensive dimmer switch or add new or additional wiring. Simply remove and install the LuxOr Marine G4 multi level output replacement bulbs.

DUAL COLOUR SWITCHING LED BULBS

	CC ORDER NO.	Mfr. No	Number of LED's	Light Colour	Lumens	Specifications
	240-49630-4	LED-G4S-6PW-3BL	9 - SMD5050	6 Pure White & 3 Blue	123 / 13	Volts: 10 to 30v DC Diameter: 30mm View Angle: 120˚ Thickness: 11.4mm Watts: 0.7w / 1.3w
	240-49630-5	LED-G4S-6PW-3RD	9 - SMD5050	6 Pure White & 3 Red	123 / 15	

	CC ORDER NO.	Mfr. No	Number of LED's	Light Colour	Lumens	Specifications
	240-41603-4	LED-G4S-10PW-6BL	16 - SMD5050	10 Pure White & 6 Blue	182 / 24	Volts: 10 to 30v DC Diameter: 33mm View Angle: 120˚ Thickness: 11.4mm Watts: 1.0w / 1.7w
	240-41603-5	LED-G4S-10PW-6RD	16 - SMD5050	10 Pure White & 6 Red	182 / 27	

TRI COLOUR SWITCHING LED BULBS

	CC ORDER NO.	Mfr. No	Number of LED's	Light Colour	Lumens	Specifications
	240-41364-7	LED-G4S-6PW-4RD-3BL	13 - SMD5050	6 Pure White 4 Red & 3 Blue	PW: 123 Red: 20 Blue: 13	Volts: 10 to 30v DC Diameter: 33mm View Angle: 120˚ Thickness: 11.5mm Watts: PW: 0.7, Red: 0.6w, Blue: 0.45w

MULTI LEVEL OUTPUT BULBS - G4 BASE - 10-30V DC - NON POLARITY SENSITIVE

The **multi level output bulbs** offer boaters the ability to achieve two or three levels of lighting by replacing their standard 5 watt or 10 watt G4 halogen bulb to a LuxOr Marine multi level replacement bulb. Switch between 9 LEDs, to 6 LEDs to 3 LEDs offering you tri level lighting or between 6 LEDs and 3 LEDs for dual level lighting. All this can be done without changing the fixture, installing extra switches or an expensive dimmer switch or add new or additional wiring. Simply remove and install the LuxOr Marine G4 multi level output replacement bulbs.

Dual Light Level	CC ORDER NO.	Mfr. No	Light Colour	Specifications	Features:	
	240-46300-1	LED-G4S-6WW-3WW	◯ Warm White 6 to 3	Volts: 10-30v DC Lumens: WW-6-129, 3-651lm PW-6-137, 3-70lm View Angle:120˚ Watts: 1.3W / 0.7W Diameter: 30mm Thickness:: 11.4mm	Number of LEDs: 9 - SMD5050 Can replace a 5w or 10w halogen bulb 	
	240-46300-2	LED-G4S-6PW-3PW	◯ Pure White 6 to 3			

Tri Light Level	CC ORDER NO.	Mfr. No	Light Colour	Specifications	Features:	
	240-49630-1	LED-G4S-9WW-6WW-3WW	◯ Warm White 6 to 3	Volts: 10-30v DC Lumens: WW-9-187, 6-129, 3-651lm PW-9-192, 6-137, 3-70lm View Angle:120˚ Watts: 1.9w / 1.3W / 0.7W Diameter: 30mm Thickness:: 11.4mm	Number of LEDs: 13 - SMD5050 Can replace a 5w or 10w halogen bulb 	

The above bulbs also available in back pin configurations. Replace the LED-G4S with LED-G4B for back pin configuration.

Simply Replace The G4 Bulb - no wiring or special fixtures required. Dual level and tri-level bulbs are not automatic switching.

For more information see: www.luxormarine-rv.ca

LED LIGHT BULBS

FESTOON BASE 12V DC POLARITY SENSITIVE

	CC ORDER NO.	Mfr. No	Light Colour	Specifications	Replaces:	
	240-31200-1	LED-FEST-31-2HP-WW	Warm White	Lumens: 25-30lm Watts: 0.6W	Replaces 529102, 529129	
	240-31200-2	LED-FEST-31-2HP-PW	Pure White			
	240-31200-3	LED-FEST-31-2HP-BL	Blue			

	CC ORDER NO.	Mfr. No	Light Colour	Specifications	Replaces:	
	240-36300-1	LED-FEST-36-3HP-WW	Warm White	Lumens: 40-45lm Watts: 0.8W	6418, 6461, 6423, DE3423, DE3425	
	240-36300-2	LED-FEST-36-3HP-PW	Pure White			
	240-36300-3	LED-FEST-36-3HP-BL	Blue			

	CC ORDER NO.	Mfr. No	Light Colour	Specifications	Replaces:	
	240-39300-1	LED-FEST-39-3HP-WW	Warm White	Lumens: 40-45lm Watts: 0.8W	6411, 6413, 6429, 6451, 6461, 6475	
	240-39300-2	LED-FEST-39-3HP-PW	Pure White			

	CC ORDER NO.	Mfr. No	Light Colour	Specifications	Replaces:	
	240-42600-1	LED-FEST-42-6HP-WW	Warm White	Lumens: 80-90lm Watts: 1.3W	Replaces 211-2, 212-2, 512112	
	240-42600-2	LED-FEST-42-6HP-PW	Pure White			
	240-42600-3	LED-FEST-42-6HP-BL	Blue			

	CC ORDER NO.	Mfr. No	Light Colour	Specifications	Replaces:	
	240-42900-1	LED-FEST-42-9HP-WW	Warm White	Volts: 10-30v DC View Angle: 180˚ Lumens: WW-170lm Watts: 1.6W PW-179lm Length: 42mm Blue-46lm Width: 27mm Non Polarity Sensitive	Replaces 211-2, 212-2, 512112	
	240-42900-2	LED-FEST-42-9HP-PW	Pure White			
	240-42900-3	LED-FEST-42-9HP-BL	Blue			

FESTOON BULBS 10 - 30V DC NON - POLARITY SENSITIVE

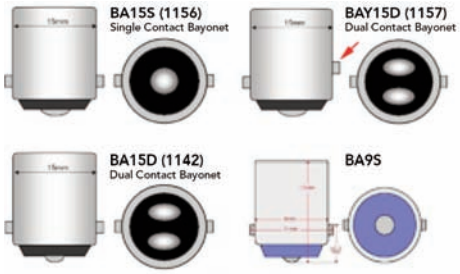
	CC ORDER NO.	Mfr. No	No. of LED's	Light Colour	Lumens	Specifications	
	240-31800-1	LED-FEST31-8-WW	8-SMD3528	Warm White	66	Volts: 10 to 30v DC View Angle: 360˚ Watts: 0.7w	Diameter: 13mm Length: 31mm Non Polarity Sensitive
	240-31800-2	LED-FEST31-8-PW	8-SMD3528	Pure White	70		

	CC ORDER NO.	Mfr. No	No. of LED's	Light Colour	Lumens	Specifications	
	240-42120-1	LED-FEST42-12-WW	12-SMD3528	Warm White	80	Volts: 10 to 30v DC View Angle: 360˚ Watts: 1.0w	Diameter: 13mm Length: 42mm Non Polarity Sensitive
	240-42120-2	LED-FEST42-12-PW	12-SMD3528	Pure White	90		

	CC ORDER NO.	Mfr. No	No. of LED's	Light Colour	Lumens	Specifications	
	240-42121-1	LED-FEST42B-12-WW	12-SMD3528	Warm White	80	Volts: 10 to 30v DC View Angle: 360˚ Watts: 1.0w	Diameter: 13mm Length: 42mm Non Polarity Sensitive
	240-42121-2	LED-FEST42B-12-PW	12-SMD3528	Pure White	90		

BAYONET BASE — NON - Polarity Sensitive

Bayonet Base Pin Orientation:
Single contact and most double-contact bulbs are Parallel Pin (BA15S/BA15D).PIN ORIENTATION
Some double-contact bulbs are Indexed Pin (BAY15D).



Bayonet Base Series

BAYONET BASE — NON - Polarity Sensitive

	CC ORDER NO.	Mfr. No	Light Colour	Specifications	Replaces:
	240-15800-1	LED-BA15S-8-WW	Warm White	Volts: 10-30DC Lumens: 120lm Watts: 1.2W	LED-BA15S-8-WW (Parallel) 67, 1416, 1816 LED-BA15D-8-WW (Parallel) 68, 90, 1224
	240-15810-1	LED-BA15D-8-WW	Warm White		

	CC ORDER NO.	Mfr. No	Light Colour	Specifications	Replaces:
	240-15130-1	LED-BA15S-13-WW	Warm White	Volts: 10-30DC Lumens: 195lm Watts: 2.9W	LED-BA15S-13-WW (Parallel) 1003 LED-BA15D-13-WW (Parallel) 94, 1004
	240-15130-2	LED-BA15S-13-PW	Pure White		
	240-15131-1	LED-BA15D-13-WW	Warm White		
	240-15131-2	LED-BA15D-13-PW	Pure White		

	CC ORDER NO.	Mfr. No	Light Colour	Specifications	Replaces:
	240-15180-1	LED-BA15S-18-WW	Warm White	Volts: 10-30DC Lumens: 270lm Watts: 3.5W	LED-BA15S-18-WW (Parallel) 1141 LED-BA15D-18-WW (Parallel) 1142, 1204
	240-15180-2	LED-BA15S-18-PW	Pure White		
	240-15181-1	LED-BA15D-18-WW	Warm White		
	240-15182-2	LED-BA15D-18-PW	Pure White		

	CC ORDER NO.	Mfr. No	Light Colour	Specifications	Replaces:
	240-15270-1	LED-BA15S-27-WW	Warm White	Volts: 10-30DC Lumens: 405lm Watts: 4.1W	LED-BA15S-27-WW (Parallel) 1156 LED-BA15D-27-WW (Parallel) 1076 LED-BAY15D-27-WW (Off-Set) 1157
	240-15271-1	LED-BA15D-27-WW	Pure White		
	240-15273-2	LED-BAY15D-27-PW	Pure White		

	CC ORDER NO.	Mfr. No	Light Colour	Specifications	Replaces:
	240-15300-1	LED-BA15S-3HP-WW	Warm White	Volts: 10-14.5DC Lumens: 140lm Watts: 1.8W	LED-BA15S-3HP-WW (Parallel) 1003, 1141 LED-BA15D-3HP-WW (Parallel) 90, 94, 1004, 1142, 1204
	240-15310-1	LED-BA15D-3HP-WW	Warm White		

	CC ORDER NO.	Mfr. No	Light Colour	Specifications	Replaces:
	240-15600-1	LED-BA15S-6-WW	Warm White	Volts: 10-30DC Lumens: 80lm Watts: 1.0-1.2W	LED-BA15S-6-WW (Parallel) 1003, 1141 LED-BA15D-6-WW (Parallel) 68, 82, 90, 94, 1004, 1076, 1142
	240-15610-1	LED-BA15D-6-WW	Warm White		

FESTOON BULBS - 10-30V DC - NON POLARITY SENSITIVE

Barrel Type LED
42mm Aqua Signal Type Dimpled Barrel End Festoon

CC ORDER NO.	Mfr. No	No. of LED's	Light Colour	Lumens	Specifications	
240-42030-1	LED-FEST42-30-WW	30-SMD3528	Warm White	160	Volts: 10 to 30v DC	Diameter: 22mm
240-42030-2	LED-FEST42-30-PW	30-SMD3528	Pure White	165	View Angle: 360˚ Watts: 1.8w	Length: 42mm Non Polarity Sensitive

CC ORDER NO.	Mfr. No	No. of LED's	Light Colour	Lumens	Specifications	
240-42130-1	LED-FEST42B-30-WW	30-SMD3528	Warm White	160	Volts: 10 to 30v DC	Diameter: 22mm
240-42130-2	LED-FEST42B-30-PW	30-SMD3528	Pure White	165	View Angle: 360˚ Watts: 1.8w	Length: 42mm Non Polarity Sensitive

Barrel Type LED
42mm Aqua Signal Type Dimpled Barrel End Festoon

The USCG and other maritime testing agencies currently do not certify individual replacement LED bulbs by themselves or otherwise. At present only complete fixtures with bulbs are tested and certified against the COLREG requirements, while our LED bulbs are the brightest LED bulbs available, the operator of vessels assumes all liability when using this product as a replacement for the original light source.

T-10 BASE - 12V DC POLARITY SENSITIVE

CC ORDER NO.	Mfr. No	Light Colour	Specifications	Replaces:
240-10500-1	LED-T10-5HP-WW	Warm White	Volts: 12 DC Lumens: 70-75lm Watts: 1.0W Polarity sensitive	147, 152, 158, 1459, 161, 168, 184, 192, 193, 194, 259, 280, 285, 447, 464, 555, 558, 585, 655, 656, 657, 1250, 1251, 1252, 2450, 2652, 2921, 2825
240-10500-2	LED-T10-5HP-PW	Pure White		
240-10500-3	LED-T10-5HP-BL	Blue		

CC ORDER NO.	Mfr. No	Light Colour	Specifications	Replaces:
240-10800-1	LED-T10-8-WW	Warm White	Volts: 12 DC Lumens: 25-30lm Watts: 0.4-0.5W Polarity sensitive	147, 152, 158, 1459, 161, 168, 184, 192, 193, 194, 259, 280, 285, 447, 464, 555, 558, 585, 655, 656, 657, 1250, 1251, 1252, 2450, 2652, 2921, 2825
240-10800-2	LED-T10-8-PW	Pure White		
240-10800-3	LED-T10-8-BL	Blue		

240-10900-1	LED-T10-9HP-WW	Warm White	Volts: 10-30 DC Lumens: 120-140lm Watts: 2.0W NON-polarity sensitive	901, 904, 906, 908, 909, 912, 914, 915, 916, 917, 918, 920, 921, 922, 923, 926, 927, 928, 939 Lumens quoted based on Pure White
240-10900-2	LED-T10-9HP-PW	Pure White		

240-10120-1	LED-T10-12HP-WW	Warm White	Volts: 10-30 DC Lumens: 120-140lm Watts: 2.0W NON-polarity sensitive	901, 904, 906, 908, 909, 912, 914, 915, 916, 917, 918, 920, 921, 922, 923, 926, 927, 928, 939 Lumens quoted based on Pure White
240-10120-2	LED-T10-12HP-PW	Pure White		

Luxor G4 Bulb Features & Selling Tips

- **Products are CE and Rohs certified**
- **Lamps are lead and mercury free with NO UV Output**
- **Zero RF emission with surface mount device design**
- **LuxOr lamps are designed to minimize EMI by utilizing a specially designed PCB layouts which avoid tracks acting as antenna's that radiate EMI (Electromagnetic interference)**
- **LuxOr G4 design incorporates Transient suppressor and fuse (self re-setting electronic fuse) which provides extra protection against current overload and voltage spikes to ensure maximum lamp life.**

BAYONET BASE

	CC ORDER NO.	Mfr. No	Light Colour	Specifications	Replaces:	
	240-15120-1	LED-BA15S-12SQ-WW	Warm White	Volts: 10-30v DC View Angle:120-150˚ Lumens: WW-230lm Watts: 2.4W PW-240lm Length: 40mm Width: 40mm Non Polarity Sensitive	1156	
	240-15120-2	LED-BA15S-12SQ-PW	Pure White			
	240-15121-1	LED-BA15D-12SQ-WW	Warm White	Volts: 10-30v DC View Angle:120-150˚ Lumens: WW-230lm Watts: 2.4W PW-240lm Length: 40mm Width: 40mm Non Polarity Sensitive	1157	
	240-15121-2	LED-BA15D-12SQ-PW	Pure White			

	CC ORDER NO.	Mfr. No	Light Colour	Specifications	Replaces:	
	240-15900-1	LED-BA15S-9-WW	Warm White	Volts: 10-14.5DC Lumens: 36-40lm Watts: 0.48W	LED-BA15S-9-WW /LED-BA15S-9-PW LED-BA15S-9-BL (Parallel): 1003, 1073, 1141, 1195 LED-BA15D-9-WW / LED-BA15D-9-PW LED-BA15D-9-BL (Parallel): 68, 90, 1004, 1142, 1176 	
	240-15900-2	LED-BA15S-9-PW	Pure White			
	240-15900-3	LED-BA15S-9-BL	Blue			
	240-15910-1	LED-BA15D-9-WW	Warm White			
	240-15910-2	LED-BA15D-9-PW	Pure White			
	240-15910-3	LED-BA15D-9-BL	Blue			

BAYONET BASE BULBS WITH GLASS COVER - 10-30V DC

	CC ORDER NO.	Mfr. No	Light Colour	Specifications	Features:
	240-15900-1E	LED-BA15S-9-WW-ENC	Warm White	Volts: 10-30 DC Watts: 1.5W Lumens: PW 210lm Lumens: PW 210lm View Angle: 360˚ Diameter: 18mm Length: 34mm NON polarity Sensitive	This Luxor bayonet bulb offers a compact design and an outer plastic envelope to protect the LED bulb from the elements. Available in the BA15S and BA15D base provides the most common bases utilized in the marine & RV applications. LED-BA15S-9-WW-ENC: (Parallel). Replaces 67, 1416, 1816 LED-BA15D-9-WW-ENC: (Parallel). Replaces 68, 90, 1224
	240-15901-1E	LED-BA15D-9-WW-ENC	Warm White		
	240-15900-2E	LED-BA15S-9-PW-ENC	Pure White		
	240-15901-2E	LED-BA15D-9-PW-ENC	Pure White		
	240-15900-5E	LED-BA15S-9-RD-ENC	Red		
	240-15900-6E	LED-BA15S-9-GR-ENC	Green		
	240-15901-5E	LED-BA15D-9-RD-ENC	Red		
	240-15901-6E	LED-BA15D-9-GR-ENC	Green		

BAYONET BASE BULBS WITH PLASTIC COVER - 10-30V DC

	CC ORDER NO.	Mfr. No	Light Colour	Specifications	Features:
	240-15150-1E	LED-BA15S-15-WW-ENC	Warm White	Volts: 10-30 DC Watts: 1.4W Lumens: PW 153lm Lumens: WW 132lm View Angle: 360˚ Diameter: 25mm Length: 48mm NON polarity Sensitive	This Luxor bayonet bulb offers an outer plastic envelope to protect the LED bulb from the elements. Available in the BA15S and BA15D base provides the most common bases utilized in the marine and RV applications. LED-BA15S-15-WW-ENC: (Parallel). Replaces 1003 LED-BA15D-15-WW-ENC: (Parallel). Replaces 94, 1004
	240-15150-2E	LED-BA15S-15-PW-ENC	Pure White		
	240-15151-1E	LED-BA15D-15-WW-ENC	Warm White		
	240-15151-2E	LED-BA15D-15-PW-ENC	Pure White		

LED LIGHT BULBS

BAYONET BASE BULB with Plastic Cover - 10-30V DC - IP40 Rated

CC ORDER NO.	Mfr. No	Light Colour	Replaces
240-15270-1-ENC	LED-BA15S-27-WW-ENC	Warm White	1141, 1156
240-15270-2-ENC	LED-BA15S-27-PW-ENC	Pure White	1141, 1156
240-15271-1-ENC	LED-BA15D-27-WW-ENC	Warm White	1076, 1142, 1204
240-15271-2-ENC	LED-BA15D-27-PW-ENC	Pure White	1076, 1142, 1204

Volts: 10-30v DC
Lumens: 240-260lm
Watts: 3.0W
NEW!
Outer plastic cover protects LED bulb from the elements.
Water tight silicone encapsulated

LED-BA15S-27-ENC (Parallel)

LED-BA15S-27-ENC (Parallel)

CC ORDER NO.	Mfr. No	No. of LED's	Light Colour	Lumens	Specifications
240-15480-6	LED-BAY15D-DC-RG		Red & Green		Volts: 10 to 30v DC Diameter: 35mm View Angle: Length: 67.6mm Watts: Non Polarity Sensitive

CC ORDER NO.	Mfr. No	No. of LED's	Light Colour	Lumens	Specifications
240-15480-7	LED-BAY15D-TC-RGW		Red, Green & White		Volts: 10 to 30v DC Diameter: 35mm View Angle: Length: 67.6mm Watts: Non Polarity Sensitive

SENSOR LED BULB - NON POLARITY SENSITIVE

CC ORDER NO.	Mfr. No	No. of LED's	Light Colour	Lumens	Specifications
240-15183-2	LED-BAY15D-SL18-PW	18-SMD2835	Pure White	271	Volts: 10 to 30v DC Diameter: 23.5mm View Angle: 360° Length: 53.5mm Watts: 2.4w

With the bulbs built-in electronics this LuxOr replacement bulb sensing daylight automatically and turns on at dusk and turns off at dawn. No special wiring or switches are needed - just simply replace your bulb.

The USCG and other maritime testing agencies currently do not certify individual replacement LED bulbs by themselves or otherwise. At present only complete fixtures with bulbs are tested and certified against the COLREG requirements, while our LED bulbs are the brightest LED bulbs available, the operator of vessels assumes all liability whn using this product as a replacement for the original light source.

BAYONET BASE ADAPTERS

	CC ORDER NO.	Mfr. No	Light Colour	Specifications
	240-26150	SA-E26-BA15D		E26 SCREW IN LAMP SE26 screw in lamp socket to convert to double contact bayonet base socket.
	240-15040	SA-BA15D-G4	NEW!	Convert any Bayonet Base bulb to a G4 bulb and take advantage of the many different types of multi colour or multi light level G4 base bulbs available from Luxor Marine.

MR-16 BASE (4 x 1 - Watt LEDs) NON POLARITY SENSITIVE

CC ORDER NO.	Mfr. No	Light Colour	Specifications	Replaces:
240-16400-1	LED-MR16-4 WW	Warm White	Volts: 12DC Lumens: 230lm View Angle: 60° Watts: 3.0W	Q20MR16 Lumens quoted based on Pure White
240-16400-2	LED-MR16-4 PW	Pure White		

E27 BASE - 10 - 30V DC

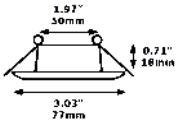
CC ORDER NO.	Mfr. No	Light Colour	Specifications	Replaces:
240-27800-1	LED-E27-8W-WW	Warm White	Lumens:550 Watts:8	Replaces your incandescent screw base E27 lamp with a low wattage high output LED lamps. Simply screws into your existing socket. Available in warm white (3000K) and natural white (4200)
240-27800-5	LED-E27-8W-NW	Natural White	Lumens:600 Watts:8	

FIXTURES - G4 BASE - 10-30V DC NON POLARITY SENSITIVE

Luxor G4 Bulb Features & Selling Tips

- **Products are CE and Rohs certified providing Zero RF emission with surface mount device design**
- **LuxOr lamps are designed to minimize EMI by utilizing a specially designed PCB layouts which avoid tracks acting as antenna's that radiate EMI (Electromagnetic interference)**
- **LuxOr G4 design incorporates Transient suppressor and fuse (self re-setting electronic fuse) which provides extra protection against current overload and voltage spikes to ensure maximum lamp life**

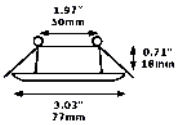
SINGLE COLOUR LIGHTS - Select from a multiple of LED bulb combinations to create the desired lighting ambiance.



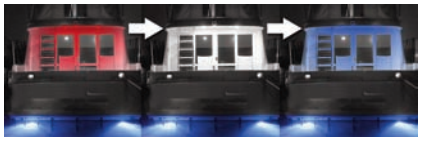
Voltage: 10 - 30v DC
Mounting Springs
Indoor/Dry Location Use Only

CC ORDER NO.	Mfr. No	Light Colour	Housing
240-17012-1	LED-NV-CH-12-WW	Warm White - 12	Chrome
240-17012-2	LED-NV-CH-12-PW	Pure White - 12	Chrome
240-17009-1	LED-NV-CH-9-WW	Warm White - 9	Chrome
240-17009-2	LED-NV-CH-9-PW	Pure White - 9	Chrome
240-17006-1	LED-NV-CH-6-WW	Warm White - 6	Chrome
240-17006-2	LED-NV-CH-6-PW	Pure White - 6	Chrome
240-27012-1	LED-NV-WH-12-WW	Warm White - 12	White
240-27012-2	LED-NV-WH-12-PW	Pure White - 12	White
240-27009-1	LED-NV-WH-9-WW	Warm White - 9	White
240-27009-2	LED-NV-WH-9-PW	Pure White - 9	White
240-27006-1	LED-NV-WH-6-WW	Warm White - 6	White
240-27006-2	LED-NV-WH-6-PW	Pure White - 6	White

MULTI COLOUR OUTPUT - Select from a multiple of LED bulb combinations to create the desired lighting ambiance.

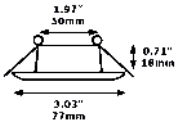


Voltage: 10 - 30v DC
Mounting Springs
Indoor/Dry Location Use Only



CC ORDER NO.	Mfr. No	Light Colour	Housing
240-17643-BL	LED-NV-CH-TC-6PW-4RD-3BL	9 Pure White - 4 Red - 3 Blue	Chrome
240-27643-BL	LED-NV-WH-TC-6PW-4RD-3BL	9 Pure White - 4 Red - 3 Blue	White
240-17603-BL	LED-NV-CH-DC-6PW-3BL	6 Pure White - 3 Blue	Chrome
240-27603-BL	LED-NV-WH-DC-6PW-3BL	6 Pure White - 3 Blue	White
240-17603-RD	LED-NV-CH-DL-6-3-PW	6 Pure White - 3 Red	Chrome
240-27603-RD	LED-NV-WH-DC-6PW-3RD	6 Pure White - 3 Red	White

TRI & DUAL LEVEL OUTPUT - Select from a multiple of LED bulb combinations to create the desired lighting ambiance.



Voltage: 10 - 30v DC
Mounting Springs
Indoor/Dry Location Use Only

CC ORDER NO.	Mfr. No	Light Colour	Housing
240-17963-WW	LED-NV-CH-TL-9-6-3-WW	Warm White - 9 to 6 to 3	Chrome
240-17693-PW	LED-NV-CH-TL-9-6-3-PW	Pure White - 9 to 6 to 3	Chrome
240-27963-WW	LED-NV-WH-TL-9-6-3-WW	Warm White - 9 to 6 to 3	White
240-27693-PW	LED-NV-WH-TL-9-6-3-PW	Pure White - 9 to 6 to 3	White
240-17603-WW	LED-NV-CH-DL-6-3-WW	Warm White - 6 to 3	Chrome
240-17603-PW	LED-NV-CH-DL-6-3-PW	Pure White - 6 to 3	Chrome
240-27603-WW	LED-NV-WH-DL-6-3-WW	Warm White - 6 to 3	White
240-27603-PW	LED-NV-WH-DL-6-3-PW	Pure White - 6 to 3	White

For more information see: www.luxormarine-rv.ca

LED LIGHT FIXTURES

AQUA SERIES WALL MOUNTED READING LIGHTS

The Luxor Marine Aqua Series offers a stylish yet attractive interior LED luminaire for your interior lighting needs. The Aqua Series provides a warm white light that illuminates your cabin interior. The touch dimming allows you to control the fixture brightness or light output which is ideal for cabin lighting or a reading light. When first turned on the built-in Touch Dimming switch produces a smooth blue glow. Touch dimming is simple, simply touch the switch and hold it until the desired lighting level is achieved. The Touch Dimming retains the last setting so when the power is turned off and then back on the light level will remain the same as the last setting. Swivel head allows you to direct the light to the task you want to illuminate.

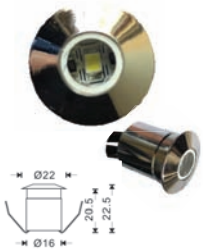
AQUA SERIES - Decorative Wall Lamps

	CC ORDER NO.	Mfr. No	Light Colour	Specifications	Features
	242-01000-1	LED-AQWS-CH-TD-WW	Warm White	Volts: 10 to 30v DC Watts: 1.0W Lumens: 130 lm CCT: 2800-3100K Length: 80mm Width: 40mm Height: 90mm	Chrome Finish Built In Touch Dimming Warm White High Output Blue Night Light Swivel Head Adjustment Easy to Install
	242-01001-1	LED-AQWR-BN-TD-WW	Warm White	Volts: 10 to 30v DC Watts: 3.0W Lumens: 169 lm CCT: 2800-3100K Length: 60mm Width: 60mm Height: 100mm	Brushed Nickel Finish Built In Touch Dimming Warm White High Output Blue Night Light Swivel Head Adjustment Easy to Install
	242-01003-1 NEW!	LED-AQWD-BN-TD-WW	Warm White	Volts: 10 to 16v DC Watts: 3.0W Lumens: 270 lm CCT: 3000K Length: 88mm Width: 65mm Height: 100mm	Brushed Nickel Finish Built In Touch Dimming Warm White High Output Blue Night Light Swivel Head Adjustment Easy to Install
	242-01002-1	LED-AQWC-CH-TD-WW	Warm White	Volts: 10 to 30v DC Watts: 3.0W Lumens: 219 lm CCT: 2800-3100K Length: 80mm Width: 65mm Height: 65mm	Brushed Nickel Finish Built In Touch Dimming Warm White High Output Blue Night Light Swivel Head Adjustment Easy to Install

COURTESY LIGHTS

Luxor courtesy lights utilize a compact recessed design which allows for many applications when using this LED luminaire.
A high quality stainless steel constructed body provides for a long lasting maintenance free luminaire.
Adopting SMD5050 LED technology the Luxor courtesy offers a bright LED which is available in Pure White or Blue colour output allowing the end user to capture the ambience of their choice. The Luxor courtesy lights offers an easy and simple installation.

Courtesy DownLight

	CC ORDER NO.	Mfr. No	Light Colour	Specifications	Features
	240-68000-W 240-68000-B	LED-DL6-SS-W LED-DL6-SS-BL	Warm White Blue	Volts: 12v DC Watts: 1 x 0.6w LED View Angle: 90˚ Diameter: 22mm Length: 22.5mm Hole Diameter: 18mm Rating: IP67 Material: 304 S.S. Lens: Glass	Compact recessed design allows for many applications to utilize this LED luminaire. 12v DC input with 4 foot sealed cable. Built in internal driver with over temperature protection powers the 0.6 watt LED chip to provide ambient lighting. Rugged 304 Stainless Steel housing is sealed to offer an IP67 waterproof rating. CE certification 40,000 Hour Bulb Life.1-Year Warranty

Shielded Courtesy DownLight

	CC ORDER NO.	Mfr. No	Light Colour	Specifications	Features
	240-88000-W 240-88000-B	LED-CL8-SS-W LED-CL8-SS-BL	Warm White Blue	Volts: 12v DC Watts: 1 x 0.8w LED View Angle: 90˚ Diameter: 26mm Length: 36mm Hole Diameter: 18mm Rating: IP67 Material: 304 S.S.	Semi cutoff light distribution provided by the 0.8W LED chip provides excellent low surface ambient lighting in either colour blue or white. Compact recessed design allows for many applications to utilize this LED luminaire. The fixture operates on 12v DC input with 4 foot sealed cable with waterproof connector. Built in internal driver with over temperature protection powers the LED. Rugged Stainless Steel housing is sealed to offer an IP67 waterproof rating. CE certification. 40,000 Hour Bulb Life.

AQUA SERIES LOW PROFILE FLUSH MOUNTED CEILING OR WALL LUMINAIRES

The Luxor Aqua Series offers a stylish yet attractive low profile interior LED luminaire for your interior lighting needs. The Aqua Series provides a warm white light that illuminates your cabin interior. The touch dimming allows you to control the fixture brightness or light output which is ideal for cabin lighting

AQUA SERIES - Touch Dimming Warm White with Blue Night Light

CC ORDER NO.	Mfr. No	Light Colour	Specifications	Features
242-02000-1	LED-AQRC-CH-TD-WW-BL	Warm White	Volts: 10 to 30v DC Watts: 4.5W Lumens: 510 lm CCT: 2800-3100K Diameter: 130mm Height: 10mm	When first turned on the built-in Touch Dimming switch produces a smooth blue glow. Touch dimming is simple, simply touch the switch & hold it until the desired lighting level is achieved. Chrome Finish Decorative Low Profile Design Built In Touch Dimming

CC ORDER NO.	Mfr. No	Light Colour	Specifications	Features
242-02001-1	LED-AQSC-CH-TD-WW-BL	Warm White	Volts: 10 to 30v DC Watts: 3.5W Lumens: 335 lm CCT: 2800-3100K Length: 100mm Width: 1000mm Height: 10mm	When first turned on the built-in Touch Dimming switch produces a smooth blue glow. Touch dimming is simple, simply touch the switch & hold it until the desired lighting level is achieved. Chrome Finish Decorative Low Profile Design Built In Touch Dimming

AQUA SERIES - Ceiling Luminaire with Touch Dimming Warm White

CC ORDER NO.	Mfr. No	Light Colour	Specifications	Features
242-03000-1	LED-RDM3-WH-3-TD-WW	Warm White	Volts: 10 to 30v DC Watts: 3.0W Lumens: 295 lm CCT: 2800-3100K Diameter: 74mm Height: 10mm	Brushed Nickel Finish Decorative Low Profile Design Built In Touch Dimming Warm White High Output

CC ORDER NO.	Mfr. No	Light Colour	Specifications	Features
242-03001-1	LED-RDM4-WH-6-TD-WW	Warm White	Volts: 10 to 30v DC Watts: 6.0W Lumens: 585 lm CCT: 2800-3100K Diameter: 120mm Height: 10mm	Brushed Nickel Finish Decorative Low Profile Design Built In Touch Dimming Warm White High Output

AQUA SERIES - Ceiling Luminaire - Warm White

CC ORDER NO.	Mfr. No	Light Colour	Specifications	Features
242-04000-1	LED-RDM3-CH-4-WW	Warm White	Volts: 10 to 30v DC Watts: 4.0W Lumens: 377 lm CCT: 2800-3100K Width: 80mm Height: 15mm	Brushed Nickel Finish Built In Touch Dimming Warm White High Output Blue Night Light Swivel Head Adjustment Easy to Install

CC ORDER NO.	Mfr. No	Light Colour	Specifications	Features
242-04001-1	LED-RDM4-CH-6-WW	Warm White	Volts: 10 to 30v DC Watts: 6.0W Lumens: 508 lm CCT: 2800-3100K Width: 100mm Height: 15mm	Brushed Nickel Finish Built In Touch Dimming Warm White High Output Blue Night Light Swivel Head Adjustment Easy to Install

LuxOr MARINE & RV PRODUCTS

Add Style and Energy Efficiency with Luxor LED Strip Lighting

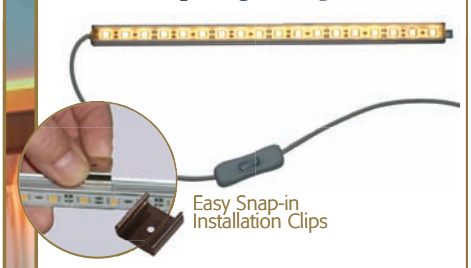
IP65
Flexible Waterproof LED Strip Lighting

3M Adhesive Backing

IP67
Flexible Waterproof LED Strip Lighting

Easy Install Mounting Straps

Rigid Aluminum LED Strip Lighting



Easy Snap-in Installation Clips

FLEXIBLE STRIP LIGHTING

CC ORDER NO.	Mfr. No	Light Colour	Specifications	Replaces:
240-65200-2	LED-FS-65-2M-PW	Pure White	Volts: 12 DC LED's 30/m View Angle: 120˚ Watts: 7.2W/m Length: 2m/5m	Flexible, IP65 rated, indoor, encased in a flexible epoxy resin. Thin diameter, extremely low profile. Ready to connect to 12v DC power source. High Intensity, Superior Lumen Output. 2-metre or 5-metre roll can be cut to the perfect length at 4" intervals. 7.2 Watt / Meter.
240-65200-3	LED-FS-65-2M-BL	Blue		
240-65200-4	LED-FS-65-2M-RGB	RGB		
240-65500-2	LED-FS-65-5M-PW	Pure White		
240-65500-3	LED-FS-65-5M-BL	Blue		
240-65500-4	LED-FS-65-5M-RGB	RGB		

CC ORDER NO.	Mfr. No		Remarks:
240-60000-2	LED-RGB-CONTROLLER	**Multi-function Remote Controller**	RGB Multifunction Controller with RF remote up to 10 metres. Choose light pattern, speed and brightness of 20 colours (RGB). Indoor only (IP20).

FLEXIBLE WATERPROOF STRIP LIGHTING

CC ORDER NO.	Mfr. No	Light Colour	Specifications	Replaces:
240-67200-2	LED-FS-67--2M-PW	Pure White	Volts: 12 DC LED's 30/m View Angle: 120˚ Watts: 7.2W/m Length: 2m/5m	Flexible, IP67 rated, outdoor, encased in UV resistant clear silicone jacket. Easy-install clips, low profile. 2-metre or 5-metre roll can be cut to length at 4" intervals w/ end cap. Connect to 12v DC power source. High Intensity, Superior Lumen Output. 7.2 Watt / Meter.
240-67200-3	LED-FS-67--2M-BL	Blue		
240-67200-4	LED-FS-67--2M-RGB	RGB		
240-67500-2	LED-FS-67--5M-PW	Pure White		
240-67500-3	LED-FS-67--5M-BL	Blue		
240-67500-4	LED-FS-67--5M-RGB	RGB		
240-67000	LED-FS-67-STRAP			

PONTOON PACKAGE 2x8 METER LENGTHS

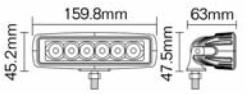
CC ORDER NO.	Mfr. No	Light Colour	Features:
240-65280-3	LED-FS65-2X8-BL	Blue 2 pcs 8m Long	Package includes 2 x IP65 weatherproof Blue (Output Colour) flexible lighting strips 8 meters in length with 3M Self-Adhesive backing. Can be cut in the field to length if required. Flexible IP65 rated outdoor strip lighting. Encased LED's offer an extremely low profile, which allows the installer to hide the light source for a visually unique illuminated surface. Utilizing 5050SMD LED's LuxOr's flexible weatherproof strip lighting offers superior lumen output. LuxOr's IP65 rated flexible lighting strips are supplied with a 3M Self-Adhesive backing, which allows the installation to simple, & tool free.

CC ORDER NO.	Mfr. No	Light Colour	Features:
240-65280-4	LED-FS65-2X8-RGB	RGB 2 pcs 8m Long & Premium RF (Radio Frequency) Controller	Package includes 2 x IP65 weatherproof RGB (Red, Green Blue Output Colour) flexible lighting strips 8 meters in length with 3M Self-Adhesive backing, which allows the installation to be simple, and tool free. Can be cut in the field to length if required. Flexible IP65 rated outdoor strip lighting. Encased LED's offer an extremely low profile, which allows the installer to hide the light source for a visually unique illuminated surface. Utilizing 5050SMD LED's LuxOr's flexible weatherproof strip lighting offers superior lumen output. Also included is the LED-RGB-CONTROLLER RF multifunction RF (Radio Frequency) remote controller.

RIGID UNDER-CABINET LIGHT STRIPS

CC ORDER NO.	Mfr. No	Light Colour	Specifications	Replaces:
240-12000-1	LED-UCS-12-WW-S	Warm White	Volts: 12 DC LED's 234/ft. View Angle: 120˚ Watts: 7.2W/m Length: 12"/18"/24" Width: 14.5mm	Perfect for indoor accent or confined area lighting. Quiet, flicker-free, aluminum heat sink body stays cool. Easy-install snap-in clips, low profile. Warm White or Cool White LED lasts over 40,000 hours. Sealed metal housing, sealed optics. Includes switch
240-18000-1	LED-UCS-18-WW-S	Warm White		
240-24000-1	LED-UCS-24-WW-S	Warm White		

FLOOD LIGHTS



SL-18 SERIES W

CC ORDER NO.	Mfr. No	Housing Colour	Optics	Watts	Raws Lumens	AMP Draw @ 12v DC	Voltage	# of Cree LEDs	IP Rating
240-18012-2	LED--SL-18-F-WH	White	Flood	18 W	1260	1.5 A	10 to 30v DC	6	IP68

SLIM LINE RIGID UNDER-CABINET LIGHT STRIPS

Luxor Marine offers a Slim Line LED luminaire ideal for under cabinet or accent valance lighting.
These fixtures are an ideal replacement for old fluorescent lighting used in kitchens, bathroom or salons.
The fixtures are only 8mm thick and offer either a low profile or adjustable mounting clips as standard.
The LED-SLM-12-TD is supplied with a 3 level touch dimmer. 100% - 60% - 30% - Off.
Also included are a 12v DC power cable for connecting to 12 V DC supply and low profile mounting clips.
The LED-SLM-12-ILE is the 300 mm long fixture supplied with an extender bracket which allows the customer to simply plug into the first fixture to extend fixture to fixture. There is a maximum limitation of 3 light bars end to end.
The LED-SLM-90-CC is a 90° connector which allows for the fixtures to be mounted in a corner 90° configuration with a simple plug in connector.
The LED-SLM-PC-12VDC is a 0.5-meter power cable, which allows for an easy connection to a 12v DC supply at one end and slide in connector for the fixture at the other end.
LED-SLM-LC-12VDC is a 1.0 meter link cable which allows the installer to link two 12 inch fixtures together with a cable so the fixtures can be spaced further apart up to 1.0 meter. There is a maximum limitation of 3 light bars end to end.

CC ORDER NO.	Mfr. No	Light Colour	Specifications	Features
240-66012-TD	LED-SLM-12-WW-TD	◯Warm White	Volts: 12v DC Watts: 4W Lumens: 280 View Angle: 120˚ Length: 300mm Width: 8mm	Includes Slim Line Fixture, Touch Dimmer Power Cable & Mounting Brackets

CC ORDER NO.	Mfr. No	Light Colour	Specifications	Features
240-66012-ILE	LED-SLM-12-WW-ILE	◯Warm White	Volts: 12v DC Watts: 4W Lumens: 280 View Angle: 120˚ Length: 300mm Width: 8mm	Includes Slim Line Fixture, End to End Extension Connector & Mounting Brackets

CC ORDER NO.	Mfr. No	Features:
240-66013	LED-SLM-90-CC	Right Angle 90˚ Corner Bracket

CC ORDER NO.	Mfr. No	Features:
240-66014	LED-SLM-LC-12VDC	One Meter Link Cable Connector

CC ORDER NO.	Mfr. No	Features:
240-66016	LED-SLM-PP-120VAC-12VDC	A Power Pack that converts 120 volt AC to 12v DC. The Power Pack is supplied with a plug in connector for the Slim Line LED Lighting series fixtures.

UNDERWATER MARINE LED TRANSOM FIXTURES

Add ambiance with underwater marine LED fixtures. Blue light is great for penetrating cloudy water while white light is optimum for clear water and for showing the natural beauty below.

STAINLESS STEEL UNDERWATER DRAIN PLUG LED

CC ORDER NO.	Mfr. No	Light Colour	Specifications	Remarks:
240-92700-1	LED-DPUWL-27HP-W-SS	White	Volts: W:10-30v DC Volts: BL:10-30v DC Volts: RGB:12v DC Lumens: PW:1620 lm Lumens: BL:200 lm Lumens: RGB:700 lm View Angle: 120˚ Watts: 27w LEDs: 9 x 3 watts	Features Luxor designed waterproof quick disconnect for easy removal and storage. Simply screw into the 1/2" threaded entry and wire. Cree LED's produce Intense 1,620 Lumen output in white with a viewing angle of 120°. Constructed with a Heavy duty 316L Stainless Steel housing and a polycarbonate lens. Built-in 10 to 30 volt DC driver and automatic overheat shutdown protection. RGB light includes Radio Frequency (RF) / Bluetooth (BT) controller. IP68 Waterproof Rating CE Certified. Exclusive to LuxOr Marine & RV.
240-92700-3	LED-DPUWL-27HP-BL-SS	Blue		
240-92700-4	LED-DPUWL-27HP-RGB-SS	RGB		

CC ORDER NO.	Mfr. No	Light Colour	Specifications	Remarks:
240-94500-1	LED-DPUWL-45HP-W-SS	White	Volts: W:10-30v DC Volts: BL:10-30v DC Volts: RGB:12v DC Lumens: PW:2700 lm Lumens: BL:500 lm Lumens: RGB:1,000 lm View Angle: 120˚ Watts: 45w LEDs: 9 x 5 watts	Highest wattage drain plug light available. Features Luxor designed waterproof quick disconnect for easy removal and storage. Simply screw into the 1/2" threaded entry and wire. Cree LED's produce Intense 2,700 Lumen output in white with a viewing angle of 120°. Constructed with a Heavy duty 316L Stainless Steel housing & a polycarbonate lens. Built-in 10 to 30 volt DC driver & automatic overheat shutdown protection. RGB light includes Radio Frequency (RF) / Bluetooth (BT) controller. IP68 Waterproof Rating CE Certified. Exclusive to LuxOr Marine & RV.
240-94500-3	LED-DPUWL-45HP-BL-SS	Blue		
240-94500-4	LED-DPUWL-45HP-RGB-SS	RGB		

NEW!

Note: Luxor Marine underwater lights publishes the Lumen light output of the underwater light in actual lumens not theoretical Raw or Bead lumens of the LED chips used in the fixture.

UNDERWATER MARINE LED TRANSOM FIXTURES

COMPACT LOW PROFILE UNDERWATER LIGHTING

CC ORDER NO.	Mfr. No	Light Colour	Specifications	Features
240-03000-W	LED-SUWL-30-W	Warm White	Volts: 10 to 32v DC LEDs: 5 W Cree LED's x 6 View Angle: 120˚ Height: 44mm Width: 12.5mm Length: 125mm Rating: IP68 Material: 316L Marine Grade Stainless Steel Lens: Polycarbonate	10 to 30v DC input with 4 foot sealed cable. Built in internal driver with over temperature protection powers the Cree LED chips to provide super bright underwater lighting. Rugged 316L Marine Grade Stainless Steel housing is sealed to offer an IP68 waterproof rating. CE certification. 40,000 Hour Bulb Life. 1-Year Warranty
240-03000-B	LED-SUWL-30-BL	Blue		

UNDERWATER MARINE LED TRANSOM FIXTURES continued...

CC ORDER NO.	Mfr. No	Light Colour	Specifications	Remarks:
240-61000-1	LED-RUWL-6-1-W	Pure White	Volts: 10-13.5 DC Lumens: 420-500 Watts: 1x6 LEDs: 6	10 to 13.5 Volt DC Fused Input w/ 5ft Waterproof Cable. Rugged 316 Marine Grade Stainless Steel Construction. Polished to a Mirror Finish. IP68 Waterproof Rating, CE & RoHs Approved 40,000 Hour Bulb Life
240-61000-3	LED-RUWL-6-1-BL	Blue		

CC ORDER NO.	Mfr. No	Light Colour	Specifications	Remarks:
240-63000-1	LED-SUWL-6-3-W	Pure White	Volts: 8-28 DC Lumens: 720-760 Watts: 3x6 LEDs: 6	8-28 Volt DC Fused Input w/ 5ft Waterproof Cable. Constant Current Power Regulator for constant light output. Rugged 316 Marine Grade Stainless Steel Construction. Cree brand LEDs, IP68 Waterproof Rating. CE & RoHs Approved. 40,000 Hour Bulb Life
240-63000-3	LED-SUWL-6-3-BL	Blue		

CC ORDER NO.	Mfr. No	Light Colour	Specifications	Features
240-05000-6	LED-RUWL-50-BW	Blue White	Volts: 9-32v DC Lumens: 630-2, 148 lm View Angle: 120˚ Watts: 50w LEDs: 10 x 5 watt Cree Diameter: 96mm Depth:: 31mm	Multi Function Light Output Blue/White Cross Fade, Blue, White, Blue & White and Blue White Strobe. 9 to 32 Volt DC Fused Input with 4ft sealed Cable Rugged 316 Marine Grade Stainless Steel Housing Built in internal driver powers the Cree LED chips IP68 Waterproof Rating Perfect for Bright Underwater Lighting 120 Degree Emitting Angle 1-Year Warranty light colours.

Operation: An abrupt OFF/ON toggle of your standard (SPST) switch allows lights to transition through various light output modes
1. Cross-Colour Fade - gently undulating colour mix
2. On, Blue
3. On, White
4. On, White & Blue
5. Flashing, two colour

NEW!

CC ORDER NO.	Mfr. No	Light Colour	Specifications	Features
240-06000-1	LED-RUWL-60-WH	White	Volts: W:10-30v DC Volts: BL:10-30v DC Volts: DC:10-30v DC Volts: RGB:12v DC Lumens: PW:2,958 lm Lumens: BL:720 lm Lumens: DC:360/1,480 lm Lumens: RGB:725-2850 lm View Angle: 140˚ Watts: 60w LEDs: 12 x 5 watt Cree Diameter: 94mm Depth: 17mm	9 to 32v DC input with 4 foot sealed cable. Built in internal driver powers the Cree LED chips to provide super bright underwater lighting. Rugged 316L Marine Grade Stainless Steel housing is sealed to offer an IP68 waterproof rating. CE certification. 40,000 Hour Bulb Life, 1-Year Warranty. LED-RUWL-60-DC Dual Colour light requires a double pole switch or two switches to toggle between blue and white light colours.white light colours.
240-06000-3	LED-RUWL-60-BL	Blue		
240-06000-6	LED-RUWL-60-DC	Blue, White		
240-06000-4	LED-RUWL-60-RGB	RGB		
240-06000-5 *Includes 2 fixtures & one LED-RGB-612-CONT-RF waterproof RGB controller..*	LED-RUWL-60-RGB-BNDL *BUNDLE*	RGB 2 Times		

NEW!

LED Chips are Cree - IP68 Certified - Material: 316L Stainless Steel.
* Requires waterproof RGB CONTROLLER (LED-RGB-612-CONT-RF or LED-RGB-612-CONT-BT

CC ORDER NO.	Mfr. No	Light Colour	Specifications	Features
240-01200-1	LED-RUWL-120-WH	White	Volts: W:10-30v DC Volts: BL:10-30v DC Volts: DC:10-30v DC Volts: RGB:12v DC Lumens: PW:5,900 lm Lumens: BL:1,440 lm Lumens: DC:720/,2950 lm Lumens: RGB:1,450 - 5,700 lm Watts: 120w LEDs: 24 x 5 watt Cree Length: 128mm Width: 80mm Depth: 17mm	9 to 32v DC input with 4 foot sealed cable. Built in internal driver powers the Cree LED chips to provide super bright underwater lighting. Rugged 316L Marine Grade Stainless Steel housing is sealed to offer an IP68 waterproof rating. CE certification. 40,000 Hour Bulb Life, 1-Year Warranty. LED-RUWL-120-DC Dual Colour light requires a double pole switch or two switches to toggle between blue and white light colours.
240-01200-3	LED-RUWL-120-BL	Blue		
240-01200-6	LED-RUWL-120-DC	Blue, White		
240-01200-4	LED-RUWL-120-RGB *	RGB		

NEW!

LED Chips are Cree - IP68 Certified - Material: 316L Stainless Steel.
* Requires waterproof RGB CONTROLLER (LED-RGB-612-CONT-RF or LED-RGB-612-CONT-BT

WATERPROOF RGB CONTROLLER

CC ORDER NO.	Mfr. No	Type	Max Output Power	Features
240-61240	LED-RGB-612-CONT-RF	Radio Frequency	215w 12v DC 360w 12v DC	Waterproof 12v DC RGB controller has an input supply lead and 2 output supply leads to provide for a quick and easy installation. Available as a Radio Frequency (RF) or Bluetooth (BT) controller
240-61360	LED-RGB-612-CONT-BT	Bluetooth		

NEW!

READING LIGHT DISPLAY

CC ORDER NO.	Mfr. No	Reading Light Display
240-00002	LED-AQUA-RDG-DPLY	Consists of four wall mounted reading lights, wired in a display with a 120v power supply for a fully operational display. The display measures 12 x 16 and is supplied with two mounting hooks. The four reading lights are as follows:

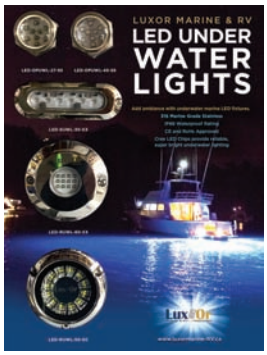
Luxor Mfr. No.	C.C. Part No.
LED-AQWD-BN-TD-WW	242-01003-1
LED-AQWR-BN-TD-WW	242-01001-1
LED-AQWS-CH-TD-WW	242-01000-1
LED-AQWC-CH-TD-WW	242-01002-1

AQUA SERIES INTERIOR LIGHT DISPLAY

CC ORDER NO.	Mfr. No	Aqua Series Light Display
240-00000	LED-AQUA-DPLY	Consists of ten Aqua Series lights, wired in a display with a 120v power supply for a fully operational display. The display measures 14 x 20 and is supplied with two mounting hooks. The ten lights are as follows:

Luxor Mfr. No.	C.C. Part No.
LED-AQWD-BN-TD-WW	242-01003-1
LED-AQWR-BN-TD-WW	242-01001-1
LED-AQWS-CH-TD-WW	242-01000-1
LED-AQWC-CH-TD-WW	242-01002-1
LED-AQRC-CH-TD-WW-BL	242-02000-1
LED-AQSC-CH-TD-WW-BL	242-02001-1
LED-RDM3-WH-3-TD-WW	242-03000-1
LED-RDM4-WH-6-TD-WW	242-03001-1
LED-RDM3-CH-4-WW	242-04000-1
LED-RDM4-CH-6-WW	242-04001-1

UNDERWATER LIGHT DISPLAY



CC ORDER NO.	Mfr. No	Underwater Light Display
240-00004	LED-UWL-DPLY	Consists of four wall mounted reading lights, wired in a display with a 120v power supply for a fully operational display. The display measures 12 x 16 and is supplied with two mounting hooks. The four reading lights are as follows:

Luxor Mfr. No.	C.C. Part No.
LED-DPUWL-27HP-SS-BL	240-92700-3
LED-DPUWL-45HP-SS-BL	240-94500-3
LED-SUWL-30-BL	240-03000-B
LED-RUWL-60-BL	240-06000-3
LED-RUWL-50-BW	240-05000-6

UNDERWATER/INTERIOR/LED LIGHTS

attwood

LIGHTARMOR LED

UNDERWATER LED LIGHTS - 12V DC

- Low profile design
- Electro-polished 316 stainless steel cover
- 3 Blue L.E.D.s - 4" Length
- Current Draw @ 13.6 Volts: 0.64 - @ 24 Volts: 0.32
- Intelligently engineered for strength & performance
- Resistant to corrosion, chemicals, & UV damage
- Extreme impact-resistant lens
- 3 ft. sheathed wire - Reverse polarity protection
- Fully-sealed waterproof electronics
- Simple installation with minimal mounting hardware
- CE certified

ORDER NO.	Mfr. No.	Description
106-66037	66UW03B-7	Extreme High Performance, Sapphire Blue

STAINLESS STEEL UNDERWATER LIGHTS - 12V DC

3/4" wide lights are perfect for surface mounting on rails, transoms, and swim platforms. Fully potted electronics also allow for underwater mounting. Includes horizontal and vertical stainless steel mounting bezels. Lights exceed the output of a 10w halogen while using 20% of the power. Rated for 50,000+ hours of life. Dimensions: 2.25" x .86" x .63"

ORDER NO.	Mfr. No.	Description
106-63430	6343SS7	Oval LED w/ Horizontal & Vertical Bezels

For more information see: www.attwoodmarine.com

INNOVATIVE LIGHTING

CHANNELBRITE™ LED VERSA-BRYTE INTERIOR LIGHTING KIT

- Operates 9-16 Volt DC Systems
- Uses 90% Less Energy than Incandescent
- Rated 100,000 hours of Service Life
- Shock and Vibration Proof
- LED Light emitting diode
- Gives off little to no heat
- Attractive end caps give nice finished look
- Can be cut every 3" for a custom fit
- Certified Ignition Protection
- Low profile design

ORDER NO.	Mfr. No.	Description
KITS		
050-51127	050-5112-7	12"L x 2.25"W x .70"H Light Kit, Cool White LED

Kits Includes:

- 2 End Caps
- 1 Light Strip
- 1 Mounting Rail
- 1 Power Cord
- 1 Connector Plug
- Mounting Screws

LED VERSA-BRYTE LIGHTING SYSTEM

- Operates 9-16 Volt DC Systems
- Uses 90% Less Energy than Incandescent
- Rated 100,000 hours of Service Life
- Shock and Vibration Proof
- LED Light emitting diode
- No heat given off by light
- 4 ft. power cord available for 12V purposes
- Attractive end caps give nice finished look
- Can be custom fit to any length
- Certified Ignition Protection
- Low profile design

ORDER NO.	Mfr. No.	Description
STRIP LIGHTING-SINGLE		
050-50310	050-5031-1	6"L x 2.25"W x .70"H Light Kit, Cool White LED

INCANDESCENT INTERIOR CEILING DOME LIGHTS

- 12 Volt DC, 18W
- Built-in On/Off Rocker Switch
- Energy Draw: Single - 1.4A, Double - 2.8A
- UL Listed, Meets CSA Standards

ORDER NO.	Mfr. No.	Description
066-51107	066-5110-7	Single Dome Light, 7.50"L x 4.30"W x 1.80"H

For more information see: www.innovativelight.com

LED INTERIOR COMPARTMENT LIGHTS

- 12 Volt DC
- 6 LEDs
- Energy Draw: 60 mA
- Rated at 50,000 hours of Service Life
- Shock and Vibration Proof
- Built-In Push Lens for On/Off Position
- Can be recess mounted or surface mounted w/optional bezel
- Flange Depth: .250"
- Dimensions*: 5.50"(L) x 3.63"(W) x 1.20"(H)

**With surface mount bezel as pictured*

ORDER NO.	Mfr. No.	Description
061-50007	061-5000-7	White LED, Black Case
061-51007	061-5100-7	White LED, White Case

LED SURFACE MOUNT LIGHT

- 9-16 Volts DC Systems
- Rated at 100,000 hours of Service Life
- Shock & Vibration Proof
- Cool to the touch
- Dimensions: 2.60"(L) x 1.90"(W) x .66"(H)
- Energy Draw: 55 mA
- No Corrosion
- 2 LEDs

Shown with optional trim ring

ORDER NO.	Mfr. No.	Colour
200-55037	200-5503-7	White

LED MISCELLANEOUS UTILITY LIGHT

- Operates 9-16 Volt DC Systems
- Rated @ 100,000 Hours of Service Life
- Shock and Vibration Proof
- Cool to The Touch
- Fully Potted Housing
- Nice Beam Pattern Emitted into Desired Area
- 3 LEDs
- Energy Draw: 20-26 mA depending on colour

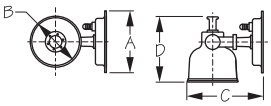
Dimensions:
2.40" L x 1.20" W x 1.10" D

For more information see: www.innovativelight.com

ORDER NO.	Mfr. No.	Colour
207-25107	207-2510-7	LED Blue, Clear Lens, White Casing
207-55007	207-5500-7	LED White, Clear Lens, Black Casing

BERTH LIGHT – SMALL

Machined and Stamped Polished Brass



A	3-5/8"
B	2-15/16"
C	4-1/4"
D	3-7/8"
FINISH	BRASS
FASTENER	# 6 RH
MFR. NO.	400400-1
ORDER NO.	424-00400

SEA-DOG LINE QUALITY MARINE GEAR

ALL SEA-DOG BRASS LIGHTS
Have a lacquer coated finish.
DO NOT use any solvents to clean any portion of the light. In addition, care should be taken when cleaning any surface around the light. The use of solvents will dissolve the lacquer coating causing the light to tarnish.
We recommend using only soap and water.

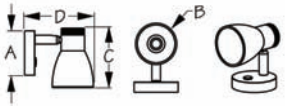
Prewired with on/off switch and 12 volt, 15 watt DC double contact bayonet bulb. Berth Light has a lacquer coated polished brass body with solid brass knurled adjusting knobs. Interior surface of lamp shade is white enamel.

LED CABIN/READING LIGHT WITH TOUCH DIMMER

Built-in touch controlled on/dim/off switch, the light provides a direct beam reading light as well as ambient light for the cabin. High quality aluminum construction with an adjustable light angle and a warm white, 3000K Cree bulb providing 270 lumens at 2W. Works with 12V and 24V systems. Includes mounting screws and Allen wrench.

Brushed Aluminum

A	2-1/2"
B	2-3/8"
C	3-3/8"
D	4"
VOLTAGE	10-24
FASTENER	# 6 RH
MFR. NO.	400710-1
ORDER NO.	424-00710



For more information see: www.sea-dog.com

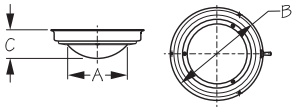
SEA-DOG LINE QUALITY MARINE GEAR

DOME LIGHT

Stamped 304 Stainless

Each dome light has a polished stainless steel housing and trim ring and a solid glass lens. Each light is prewired with an on/off switch.

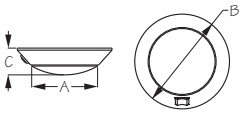
• 12 Volt • Includes 12 volt, 15 watt DC double contact bayonet bulb



ORDER NO.		Mfr. No.	A	B	C	Fastener
424-00190	(ea)	400190-1	4"	5-1/2"	2"	#4 RH
424-00200	(ea)	400200-1	5"	6-3/4"	2-1/8"	#6 RH

LED DOME LIGHT

Polycarbonate/ABS

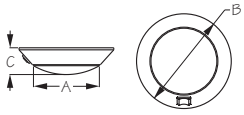


ORDER NO.	Mfr. No.	A	B	C	Finish	Fastener
424-01727	401727-1	4"	5-3/4"	1-5/8"	White	#8 RH

LED Dome Lights have very low current consumption at .068 amps at 12 volts and have extreme long life. LED Dome Lights give off very low heat and are resistant to vibration. LED Dome Lights have 18 white LEDs per light.

LED DAY/NIGHT DOME LIGHT

Polycarbonate/ABS



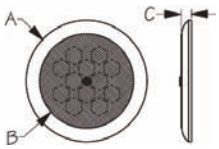
ORDER NO.	Mfr. No.	A	B	C	Finish	Fastener
424-01755	401755-1	4"	5-3/4"	1-5/8"	Chrome	#8 RH

LED Dome Lights have very low current consumption at .068 amps at 12 volts and have extreme long life. LED Dome Lights give off very low heat and are resistant to vibration. LED Dome Lights have 15 white LEDs per light and 5 red LEDs.

LED LOW PROFILE TASK LIGHT

Stainless

IP 68 WATERPROOF

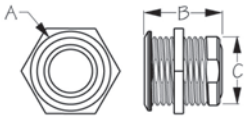


ORDER NO.	Mfr. No.	A	B	C	Ring Finish	LED Colour	Fastener
424-01666	401666-1	2-9/16"	1-3/8"	9/32"	Satin	White	#6 FH

200 Lumens - Less than 0.2 amps - Low Profile Task Lights have 12 LEDs in each light and are rated at 12 VDC. Built-in on/off switch, just press on center of lens.

LED CONTINUOUS ADJUSTMENT TOUCH DIMMER SWITCH

Stainless



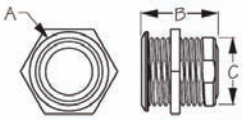
ORDER NO.	Mfr. No.	A	B	C	Amps
424-03060 / ea.	403060-1	7/8"	7/8"	3/4"	1.5

Short press to turn on and off, then a longer press to activate the dimming/brightening function. Memory function turns the light back on at the same brightness level as when it was turned off. Off – LED ring is orange, maximum bright LED ring is green, lowest light level – purple, in between stages are shades of blue.

LED PUSH BUTTON ON/OFF SWITCH

Formed 304 Stainless Steel

NEW!



• Waterproof IP65 rating

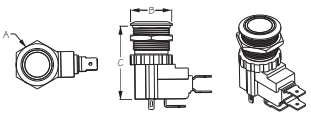
ORDER NO.	Mfr. No.	A	B	C	Max Amps	Volts
424-03063	403063-1	7/8"	7/8"	3/4"	5	10-24

Prewired for easy installation. Typically wired so LED ring lights up blue when pushing the center button, energizing the circuit. Constructed of corrosion resistant 304 stainless steel. 4A max. 10-24VDC. IP65 rating.

LED PUSH BUTTON ON/OFF SWITCH/HIGH AMP

Formed 304 Stainless Steel

NEW!



• Waterproof IP65 rating

ORDER NO.	Mfr. No.	A	B	C	Max Amps	Volts
424-03064	403064-1	7/8"	3/4"	1-9/16"	25	10-24

This high amp LED push button On/Off switch lights up blue when pushing the center button, energizing the circuit. Installs easily. Wired with three spade terminals. Constructed of corrosion resistant formed 304 stainless steel.

For more information see: www.sea-dog.com

NEW!

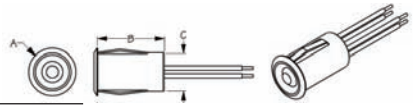
LED PUSH BUTTON ON/OFF SWITCH WITH BOOT

Aluminum/Injection Molded Nylon

ORDER NO.	Mfr. No.	Action	A	B	C	Max Amps	Volts
424-03065	403065-1	SPST On-Off	1-3/16"	1-7/16"	7/8"	20A @ 12VDC	12-24

Prewired for easy installation. Typically wired so LED ring lights up blue when pushing the center button, energizing the circuit. Push button constructed of aluminum with clear water resistant nylon boot. IP66 rating.

MOTION SENSOR SWITCH - ABS



ORDER NO.	Mfr. No.	A	B	C	Max Amps	Voltage
424-03066 / ea.	403066-1	1-1/16"	1-9/16"	7/8"	2	12-30

Motion sensor switch can be used to activate LED and incandescent lights. The motion detection range is up to 15 feet, with an activation angle of 120°. Activation time is adjustable from 10 to 70 seconds. 2A max, 12-30VDC. IP67 waterproof rating.

NEW!

AURORA LED POP-UP TABLE LIGHT

Investment Cast 316 Stainless Steel/ABS

ORDER NO.	Mfr. No.	A	B	C	D	E	Lumens	Volts
424-04605	404605-3	2-3/8"	2-5/8"	6"	2-3/4"	3-15/16"	500	12-24

Available in 2-3/4" pop-up height, it automatically switches on with a simple twist of the cap, allowing the light to pop-up, ready to use. push the cap down, twist to lock, and the light switches off and disappears into a table or deck. Can be used with LED Touch Dimmer Switch (403061-1). Cap and bezel constructed of corrosion resistant investment cast 316 stainless steel. Installs with #10 FS fasteners (included). Produces 500 lumens. 12-24 VDC. IP67 waterproof rating.

For more information see: www.sea-dog.com

ACCENT / COURTESY / CEILING LIGHTS

INNOVATIVE LIGHTING

- Operates 9-16 volt DC systems
- Rated at 100,000 hours of service life
- Shock and vibration proof
- Cool to the touch
- No corrosion
- Potted to seal out moisture

COURTESY LIGHT 4 LED SURFACE MOUNT

- 1.57"L x .82"W x .57"H
- Energy draw 65 milliamps
- Patent #D443,377

Made in the USA

ORDER NO.	Mfr. No.	LED Colour	Case Colour
004-21007	004-2100-7	Blue	White
004-40007	004-4000-7	Red	Black
004-50007	004-5000-7	White	Black
004-51007	004-5100-7	White	White

3 LED SURFACE MOUNT STEP LIGHT

- 1.71"L x .65"W x .57"H
- Energy draw 30 milliamps
- Patent #D440,673

Made in the USA

ORDER NO.	Mfr. No.	LED Colour	Case Colour
003-20007	003-2000-7	Blue	Black
003-50007	003-5000-7	White	Black
003-51007	003-5100-7	White	White

4 LED 3" CEILING LIGHT - 12V

- Energy draws 60 mA
- Rated at 50,000 hours of service life
- Can be recessed mount or surface mount with optional bezel
- Sleek low profile
- Shock and vibration proof
- For interior use only
- Fits in 2" hole

Shown with Chrome Trim Ring
Comes with Chrome, Black & White Trim Rings

ORDER NO.	Mfr. No.	Description
034-53507	034-5350-7	White LED w/ Black, Chrome, White Trim Rings

SPECIAL ORDER ITEM

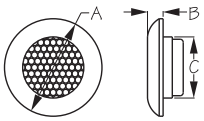
For more information see: www.innovativelight.com

SEA-DOG LINE QUALITY MARINE GEAR

LED COURTESY LIGHT

Plastic

- LED Courtesy Lights have 9 LED's in each light
- Rated 12 Volt DC • Low amp draw
- Fastener # 6 FH



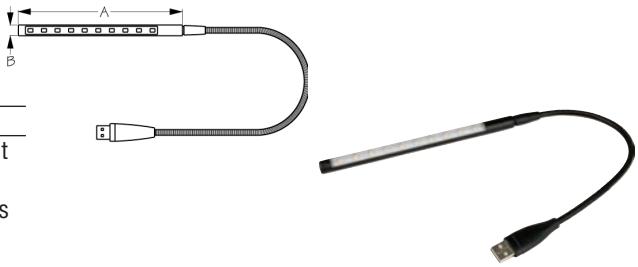
ORDER NO.	Mfr. No.	Description	A	B	C	Lens Finish	Light Colour
424-01625	401625-1	LED Courtesy Light, Plastic	3-1/8"	1/2"	2"	Chrome	White

LED USB COURTESY LIGHT

Injection Molded Nylon/Powder Coating Steel

ORDER NO.	Mfr. No.	A	B	LEDs
424-26560	426560-1	5-3/4"	3/8"	10

Add light anywhere a USB port is present. This USB map light features 10 bright LEDs and a flexible 7" gooseneck that can rotate 360° illuminating any dark corner. A three function touch switch provides a full 10 bulb brightness mode as well as a 5 bulb half as bright mode. Light head is detachable for easy storage.



For more information see: www.sea-dog.com

INNOVATIVE LIGHTING

- Operates 9-16 volt DC systems
- Shock and vibration proof
- Corrosion resistant
- Can be used underwater

LED BULKHEAD/LIVEWELL RECESSED MOUNT LIGHT

- 1.25"L x 1" OD x .687" ID
- Rated as 100,000 hours
- Requires 11/16" hole
- Cool to the touch

Made in the USA

ORDER NO.	Mfr. No.	LED Colour	# of LED's
011-15007	011-1500-7	Amber	1
011-35007	011-3500-7	Green	1
011-45007	011-4500-7	Red	1
011-55007	011-5500-7	White	2

LED RECESSED STARR LIGHT

- 1.82"L x 1.85" OD x 1.25" ID
- Includes rubber gasket and nut
- Fully potted electronics
- Requires 1.25" hole
- Rated for underwater use
- 3 LED's

Made in the USA

ORDER NO.	Mfr. No.	LED Colour	# of LED's
012-25007	012-2500-7	Blue	3
012-45007	012-4500-7	Red	3
012-55007	012-5500-7	White	3

1" ROUND LED "SHORTIE" LIVEWELL/BULKHEAD LIGHT w/ 219 Grommet

- 1" dia. x .68" d
- Clear lens
- Rated for 100,000 hours
- Requires .075" hole and 0.52" depth
- Waterproof
- Shock and vibration proof
- Single LED design
- 6.5" 18 AWG wires
- Operates on 9-16 volts DC

ORDER NO.	Mfr. No.	Description
011-55507	011-5550-7	White Shortie Livewell

For more information see: www.innovativelight.com

PERKO MADE IN THE USA

SURFACE MOUNT UTILITY LIGHTS - FIXED

Complete with 12 volt, 1 Watt Bulb
Molded Polymer, Black or White.
Dimensions: 1-7/8" x 9/16" / Screw Size: 6 R.H.

(Mfr. No. 0137DP0BLK)
ORDER NO. 621-01370 - BLACK (Shielded Light Cover)

(Mfr. No. 0140DP0NYN)
ORDER NO. 621-01400 - WHITE (Diffused Light Cover)

For more information see: www.perko.com

LED DOCKING LIGHTS – SURFACE MOUNT

Backed by a 10-year warranty, Attwood's LED Docking Lights are designed and tested for extreme conditions. Attwood used only the highest grade stainless steel and aluminum components to ensure the product is resistant to corrosion. The rubber gasket provided creates a barrier that protects your hull from water entry and ensures the light is watertight and keeps all electrical components fully sealed.

106-65227

106-65237

- 12V DC - 5 Watts
- Surface mount - 1" Thick
- Draws a fraction of the power while producing a brighter output
- 120˚ wide beam
- Watertight - all components are fully sealed
- Longer lasting - Resistant to corrosion - Watertight
- Stays cool to the touch
- Requires (2) #8 stainless steel phillips head screws
- Sold in Pairs

ORDER NO.	Mfr. No.	Description
106-65227	6522SS7	Stainless Steel Bezel, White LED, Pair 1/2"H x 4.5"W x 2.8"D
106-65237	6523BK7	Black Powder Coat Bezel, White LED, Pair 1/2"H x 4.5"W x 2.8"D

For more information see: www.attwoodmarine.com

INNOVATIVE LIGHTING

DOCKING LIGHTS

- 12 volt DC systems
- 50-watt halogen lamp
- Draws 4 amps each
- Sealed built-in rear heat sink
- Thermal insulated wires
- Pyrex optical lens
- Spring loaded lamp assembly
- Removable lens cover
- Water-tight gaskets included
- Patent #D472,654

Mirror Polish 316 Stainless Steel

Baked White Gloss Finish

ORDER NO.	Mfr. No.	Description
580-02007	580-0200-7	316 Stainless Steel
580-99041	580-9904-1	Replacement Halogen Bulb

LED DOCKING LIGHTS

- Rated at 50,000 Hours service life
- Shock and vibration proof
- Corrosion resistant and waterproof
- Front Light utilizes 2 high-power LEDs
- Side Light contains 8 LEDs that are operated independently from front lights
- Light spread of 160˚
- Mirror polished finish
- Stainless steel cover and mounting screws
- Installation requires only 1/2" hole for wire leads and 4 pilot holes for mounting screws
- USCG compliant, NMMA tested

Dimensions: 9.75"L x 5"W x 1"D

Sold in pairs

ORDER NO.	Mfr. No.
585-02107	585-0210-7

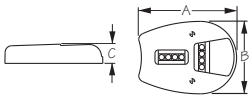
For more information see: www.innovativelight.com

SEA-DOG LINE
QUALITY MARINE GEAR

LED SIDE MOUNT DOCKING LIGHTS
12 Volt DC
Stamped 304 Stainless

- Sleek design & are super bright
- Forward and side light sections are wired separately

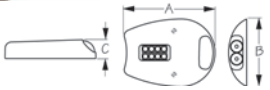
Sold in pairs



ORDER NO.	Mfr. No.	A	B	C	Fastener	LED's	Lumens	Amp Draw
424-05950	405950-1	3-9/16"	2-5/8"	3/4"	#8 RH	32	180	.28@12V

LED (CREE) DOCKING LIGHTS
12 Volt DC
Stamped 304 Stainless

Two high power Cree LED bulbs provide 1300 Lux light output from the front array, with a focused beam angle of 10˚ for a concentrated light beam. Eight regular LED bulbs on the top array have a wide angle beam of 90˚ to illuminate a large portion of the docking area. Surface mount with a small footprint makes for easy installation, and these lights are waterproof with an IP rating of 68. Front lights and top lights can be controlled separately.



Sold in pairs

ORDER NO.	Mfr. No.	A	B	C	Fastener	LED's	Lumens	Amp Draw
424-05951	405951-1	3-9/16"	2-5/8"	3/4"	#8 RH	10	300	.28@12V

For more information see: www.sea-dog.com

JABSCO
a xylem brand

135 SL RC SEARCHLIGHT

A remote control searchlight, developed with the 20 to 50 ft (7-15 metre) powerboat in mind, with many benefits of existing units at a greatly reduced cost.

- Easily replaceable halogen sealed beam delivers 100,000 candle power.
- 1 Lux at 865 ft (262 metres).
- Supplied complete with joystick remote control.
- Optional secondary full control panel for dual helm stations.
- 320° horizontal rotation, 75° vertical sweep.
- All materials are non-corrosive.
- Complete with 15ft (4.5m) cable, with optional extension cables.

Size: 7" wide x 8-1/8" long x 7-7/8" high (18cm x 20.5cm x 20cm).
Weight: 6 lb (2.7kg)

ORDER NO.	Description
60020-0000	12 Volt DC, fuse 10 amp
60030-0000	Replacement controller 12/24 DC
18753-0178	Replacement sealed beam, 12/24 Volt DC, 100,000 cp

146 SL RC SEARCHLIGHT

A high performance searchlight for medium sized yachts, remotely controlled from helm station.

- Easily replaceable halogen sealed beam delivers 175,000 candle power.
- 1 Lux at 1275ft (386 metres).
- Supplied complete with water resistant joystick remote control.
- Tough, corrosion resistant Lexan housing.
- Full, 360° horizontal rotation, 60° vertical sweep.
- Optional secondary full control panel for dual helm stations.
- Complete with 15ft (4.5m) cable, with optional extension cables.

Size: 8-1/2" wide x 10-1/8" long x 8-15/16" high (22cm x 26cm x 23cm).
Weight: 9 lb (4kg)

ORDER NO.	Description
60080-0012	146SL 12 Volt DC, fuse 10 amp.
18753-0455	Replacement sealed beam, 12/24 Volt DC, 175,000 cp

155 SL RC SEARCHLIGHT

Our new leading light for style, performance and value. Sweeping curves complement the latest pleasurecraft profiles. Fingertip control of the watertight halogen sealed beam will pick out hazards nearly 900ft away.
Just check out the value!

- Easily replaceable 5" (130mm) halogen sealed beam delivers 100,000 candlepower.
- 1 lux at 885 ft (268 metres).
- Full 320° horizontal rotation, 75° vertical sweep.
- Complete with joystick remote control (12 Volt DC model)
- Complete with 15ft (4.5m) cable, with optional extension cables.
- Tough thermoplastic housing and base.
- Optional secondary remote control panel for dual helm stations

Size: 6-3/8" wide x 8" long x 8"high (16cm x 20cm x 20cm).
Weight: 5 lb (2.3kg)

ORDER NO.	Description
61050-0012	12 Volt DC, fuse 10 amp.
18753-0528	Replacement sealed beam 12/24 Volt DC, 100,000 cp

JABSCO
a xylem brand

180 (7")
62040-4002

7" (180mm) REMOTE CONTROL SEARCHLIGHT

Remote mounting searchlights electrically controlled from helm station for leisure, commercial and patrol crafts. 1 lux at 1380ft (418 metres) - 7" (180).

- 7" (180mm) model has spot beam only.
- Single joystick controls both 70° vertical and 450° horizontal sweep.
- Variable speed control enables fast search and yet precise targeting.
- Optional secondary full control panel for dual helm stations.
- Internal brake system holds beam firmly on target.
- Heavily chromed all brass beam housing and base unit.
- 8ft (2.5m) wiring cable, with optional extension cables.

Size: 11" long x 7" wide x 13" high (28cm x 18cm x 33 cm).
Weight: 9 lb (4.1kg).

For more information see: www.xylemflowcontrol.com

ORDER NO.	Description
62040-4002	12 Volt DC, 18 lux at 330ft (100m), fuse 20 amp.
67262-0000	Replacement sealed beam, spot /flood, 12 Volt DC, 230,000 cp

Replacement Sealed Beam for 5" (130) SearchLight

67296-0000	Replacement sealed beam, 12 Volt DC, 100/50,000 cp

MARINCO

LED STAINLESS STEEL SPOTLIGHT W/ WIRELESS REMOTE

316 Stainless Steel Base, 304 Stainless Steel Head

ORDER NO.	Mfr. No.	Description
102-23050A	23050A	LED Spotlight w/ Wireless Remote

- Wireless remote communication
- 350˚ horizontal, 60˚ vertical two speed movement
- 12 LED array, 2600 lumens output (60,000 CD)
- IP67 Stainless steel housing and base
- Amp Draw: 3A @12V DC
- Dimensions: 9.875"H x 4.75"W x 8.35"L

REMOTE CONTROLS for 23050A

ORDER NO.	102-23250-R	102-23250-HH
Mfr. No	23250-R	23250-HH
Remote Specifications:	**Wireless Communication Bridge Remote**	**Hand Held Bridge Remote**
Power	12V or 24V DC	Battery: L1028F Alkaline 12V
Wireless Range:	100 ft. (30m)	100 ft. (30m)
Dimensions:	2.2"W x 3.65"H x 0.9"D	2.25"W x 3.95"H x 1.2"D
Housing Material	ASA	ASA
Button Material:	Silcone (Glow in the Dark)	Silcone (Glow in the Dark)

102-23250-R

102-23250-HH

For more information see: www.marinco.com

HARD WIRED LED LIGHTS

FEATURES:

- 108 LEDs lights
- 300 Lumens white light / 150 Lumens colour light
- 100,000-hour operating life
- Light tube & connection sealed

FEATURES:

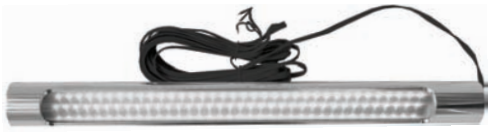
- Polished anodized aluminum housing
- Low draw <.5 Amperes
- Waterproof (non-submersible)
- Impact-resistant polycarbonate lens
- 18' wiring cable

TACO MARINE

For more information see: www.tacomarine.com

T-TOP LED TUBE LIGHT W/ ALUMINUM HOUSING

ORDER NO.	Mfr. No.	Description
305-382050BLU	F38-2050B-1	LED T-Top Light - White with Blue Lights
305-382050RED	F38-2050R-1	LED T-Top Light - White with Red Lights



LED T-TOP TUBE LIGHT/REPLACEMENT LIGHT

ORDER NO.	Mfr. No.	Description
LED Replacement Tube Lights		
305-382060BLU	F38-2060B-1	LED Replacement Tube Light - White with Blue Lights
305-382060RED	F38-2060R-1	LED Replacement Tube Light - White with Red Lights

MARINCO

PRECISION WIRELESS CONTROLLED SPOTLIGHTS

- Bright 100 Watt halogen bulb
- Uniform 132 sq. ft coverage with 370° rotation & 120° tilt
- Durable, weatherproof housing
- Universal 12V or 24V operation
- Wireless control
- 5 Year Warranty

SPECIFICATIONS

Bulb:	100 Watt, H3 Halogen
Power (Input voltage):	12V or 24V
Current draw (idle/in use):	0.03 amps / 7.0 amps
Peak Beam Intensity:	210,000 Cp
Peak Beam Distance:	917 ft (280 m)
Lux @ 66' (25 m):	525 Lux
Coverage at 66' (25 m):	132 sq ft (15'H x 12'W)
	(16.7 sq m [4.6 m x 3.6 m])
Rotation:	370° (built in limit stops)
Tilt:	120° Tilt (75° up & 45° down)
Wireless range:	200 ft (65 m)
Dimensions:	7.5"W x 7.5"H x 9.25"D
	(19cm x19cm x 23.5cm)
Weight:	3.30 lbs (1.5 kg)
Housing material:	UV resistant PC/ASA
Lens material:	UV resistant Lexan®
Operating temp range:	5°F–113°F (-15°C–45°C)
IP Rating:	IP56

SPOTLIGHTS

ORDER NO.	Mfr. No.	Colour	Description
055-12001	SPL-12W	White	Spotlight, 12/24 Volt, 100 Watt
055-12002	SPL-12B	Black	Spotlight, 12/24 Volt, 100 Watt
055-12003	SPL-12C	Chrome	Spotlight, 12/24 Volt, 100 Watt
055-202319	202319	Replacement Bulb, Halogen, 12 Volt	

055-12100

055-12200
055-12300

REMOTE OPTIONS

ORDER NO.	Mfr. No.	Description
055-12200	SPLR-2	Wireless Bridge Remote – Included
055-12100*	SPLR-1	Hand-Held Bridge Remote – Optional
055-12300	SPLR-3	Wired Bridge Remote – Optional

*Battery powered (CR2540 button cell) 40 hours Battery life (continuous use)

5" STAINLESS SPOTLIGHT / FLOODLIGHT KIT

- Remote control joystick operation
- 316 stainless steel base, 304 stainless steel head
- 12V incandescent operation
- Replaceable incandescent bulb
- One year warranty
- Dual station option available
- Light can be directed manually without damaging motors
- Joystick requires 2-3/4" installation hole
- Kit includes joystick control & 15' wiring cable with easy to install plug ends

NOTE: See below for replacement parts

ORDER NO.	Mfr. No.	Spot Power	Flood Power	Amp Draw	Repl. Bulb	Lamp Dimensions	Base Dimensions
102-22040	22040A	72,000 CP	30,000 CP	7 Amps	102-22014	9-1/2"H x4-1/2"W x 7-1/2"L	5-1/2"L x 3-1/2"W

REPLACEMENT PARTS & ACCESSORIES FOR SPOTLIGHTS

For 102-22040 / 102-22044 Spotlight/Floodlight Kit

ORDER NO.	Description
102-22208	Control Panel Kit
102-22011	25' Wiring Cable, Male to Male
102-22012	35' Wiring Cable, Male to Male
102-22014	Replacement Bulb
102-22032	Rubber boot
102-22093	Rubber Rim

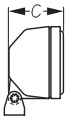
For 102-22200 Remote Halogen Spotlight

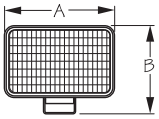
ORDER NO.	Description
102-22209	Control Panel Kit
102-22011	25' Wiring Cable, Male to Male

HALOGEN FLOOD LIGHT – 12 VOLT

Injection Molded Fiberglass Nylon w/ Stamped 304 Stainless Bracket

This marine grade flood light has a solid glass lens, a stainless steel mounting bracket and a 12 Volt, 55 Watt halogen bulb.



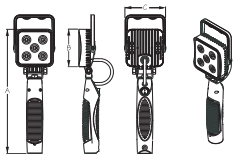


ORDER NO.	Mfr. No.	A	B	C	Volts
424-05110 (Ea)	405110	6-15/16"	5-5/16"	3-3/16"	12V
424-05111	405111-1	Replacement Bulb – 55 W Halogen			

LED RECHARGEABLE HANDHELD FLOOD LIGHT

Powder Coated Aluminum/Stamped 304 Stainless Steel Bracket/ABS

NEW!



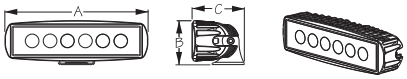
• Waterproof IP65 rating. CE, RoHS compliant.

ORDER NO.	Mfr. No.	A	B	C	LEDs	Lumens
424-05300	405300-3	11"	3-1/4"	3-1/2"	5	1200

Features five 3W high intensity Bridgelux LEDs which produce 1200 lumens. Fully adjustable, the handle allows the light to be hung or propped at many different angles to illuminate the task at hand. Uncludes both a 12VDC and 120VAC charge adapter. Constructed of a black powder coated aluminum housing with a stamped 304 stainless steel bracket and polycarbonate lens. 7.4V 2200MAH rechargeable Li-battery. Run time 3-4 hours. Charging time 3-4 hours.

LED COCKPIT SPREADER LIGHT

Powder Coated Aluminum/Stamped 304 Stainless Steel Bracket



NEW!

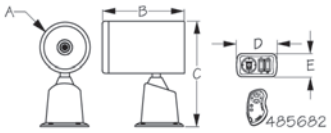
• Waterproof IP68 rating. CE, RoHS compliant.

ORDER NO.	Mfr. No.	A	B	C	LEDs	Amps	Volts	Colour
424-05320	405320-3	6-1/4"	1-7/8"	2-1/4"	6	1	12/24	Black

Features six 3W high intensity Epistar LEDs that produce 1440 lumens. The wide beam polycarbonate lens provides ample illumination for sail trim or deck work. Constructed of a powder coated die cast aluminum housing with a stamped 304 stainless steel mounting bracket. Low amp draw 1A@ 12 VDC.

STAINLESS STEEL SPOT/FLOOD LIGHT

304 Stainless Steel



ORDER NO.	Mfr. No.	A	B	C	D	E	Spot Watts	Flood Watts
424-05720	405720-3	4-1/2"	8-1/4"	9-7/8"	5-1/4"	2-15/16"	100 W	90 W

Cast 316 stainless steel base and stamped 304 stainless steel body and reflector with a classic and traditional look with a contemporary flair. Five year warranty. Combination 100W spot/90 watt flood halogen bulb produces 165,000 candlepower, 2500 lumens. Waterproof, with an IP rating of 67. Two speed motor. Digital phone cable connection, 15' cable included. Joystick control panel included. Spotlight draws 8.3 amps @ 12 volts. Floodlight draws 7.5 amps @ 12 volts. The motor by itself draws .5 amps at 12 volts.

SEA-DOG LINE QUALITY MARINE GEAR

MARINCO

EEL BY MARINCO SHOREPOWER

Patented Jaw Clamp technology
- No threaded ring required
- Create a watertight seal every time

Proprietary built-in cord light
- Added safety—alert light indicates if you are still plugged in at the dock
- Emergency flashlight to lead your way back to the dock

Power Indicator Light on both ends
- Informs you that power is flowing through the cord

Secondary lock for added security
- When engaged, the jaws cannot release

Universal Connection
- Connects to any brand, NEMA configured inlet

5 YEAR WARRANTY

EEL SHOREPOWER™ CORDSETS

All EEL ShorePower Cordsets incorporate the highest quality, marine grade construction for which Marinco is known:
- Watertight molded plug and connector ends for safety and durability
- Heavy-duty, super flexible marine grade cable (30 Amp 10-GA, 50 Amp 6-GA)
- Corrosion-resistant, nickel-plated contacts
- **cULus** approval

MARINE UL LISTED

NEMA L5-30R

30A 125V Locking

30-AMP / 125V EEL CORD SETS

ORDER NO.	Mfr. No.	Description
555-223025	CS30-25	25 ft., Yellow
555-223050	CS30-50	50 ft., Yellow
555-223050W	CS30-50W	50 ft., White

NEMA SS1-50R

50A 125V Locking

50-AMP / 125V EEL CORD SETS **3-WIRE

ORDER NO.	Mfr. No.	Description
555-2250325	CS503-25	25 ft., Yellow
555-2250350	CS503-50	50 ft., Yellow

NEMA SS2-50R

50A 125/250V Locking

50-AMP / 125/250V EEL CORD SETS **4-WIRE

ORDER NO.	Mfr. No.	Description
555-2250425	CS504-25	25 ft., Yellow
555-2250450	CS504-50	50 ft., Yellow

@ Have a Technical Question?

Contact our Technical Support Staff
email: techsupport@ccmarine.ca

EEL BY MARINCO SHOREPOWER™

EEL SHOREPOWER™ PIGTAIL ADAPTERS

EEL ShorePower Pigtail Adapters enable you to connect from one dockside receptacle (or other power source receptacle) to one boatside inlet or equipment of dissimilar power configuration. In addition to the EEL ShorePower system, the Pigtail Adapters incorporate the highest quality, marine grade construction for which Marinco is known:

- Sealing collar (where applicable) to create a weatherproof seal when joining cables together
- Heavy-duty, super flexible marine grade cable (30amp 10 gauge, 50 amp 6 gauge)
- Watertight molded plug and connector ends for safety and durability.
- Corrosion-resistant, nickel-plated contacts
- Suitable for use in wet locations

5 YEAR WARRANTY

MARINE UL LISTED

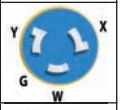
P15-30

P30-15

P30-503

P504-30

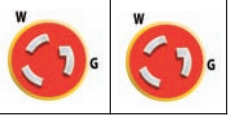
P30-504

ORDER NO.	Mfr. No.		BOAT SIDE FEMALE CONNECTOR Attaches to boat inlet or cordset	DOCK SIDE MALE PLUG Attaches to dockside receptacle or cordset	
555-001530 Replaces #055-0104SPP & #055-01040	P15-30		**30A 125V** Locking w/ Sealing Collar System	**15A 125V** Straight Blade w/ locking screw	
555-003015 Replaces #055-0105SPP & #055-01050	P30-15		**15A 125V** Straight Blade	**30A 125V** Locking	
555-030503 Replaces #055-01110	P30-503		**50A 125V** Locking w/ Sealing Collar System	**30A 125V** Locking	
555-050430	P504-30		**30A 125V** Locking w/ Sealing Collar System	**50A 125/250V** Locking	
555-030504 Replaces #055-01170	P30-504		**50A 12/250V** Locking with Sealing Collar System	**30A 125V** Locking	

REVERSE "Y" ADAPTER

NEW!

The Reverse "Y" Adapter has two (2) male plugs with special power isolation circuitry for added safety. When one (1) plug is connected to a receptacle, the circuitry isolates the second plug. The reverse "Y" provides 50A 125/250V power when only two (2) 30A 125V receptacles are available. **Note:** Reverse "Y" will NOT work with 50A, 125V, 3-wire inlets. Power is provided in both circuits to the 4-wire inlet, but the dock side receptacles limit the current in each circuit to 30A. The two (2) 30A 125V receptacles must be supplied from a single power source providing 208V to 250V between them for proper operation.

ORDER NO.	Mfr. No.		BOAT SIDE FEMALE CONNECTOR Attaches to boat inlet or cordset	DOCK SIDE MALE PLUG Attaches to dockside receptacle or cordset	
055-04230	RY504-2-30		**50A 125V/250V** w/ Sealing Collar System	**(2) 30A 125V** Locking	

For more information see: www.marinco.com

MARINCO

EEL BY MARINCO SHOREPOWER

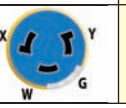
EEL SHOREPOWER™ Y - ADAPTERS

EEL ShorePower™ Y - Adapters enable you to split one dockside receptacle between two boat inlets of similar or dissimilar power configurations. In addition to the EEL ShorePower™ system, Y - Adapters incorporate the highest quality, marine grade construction for which Marinco is known:

- Sealing collar to create a weatherproof seal when joining cables together
- Suitable for use in wet locations
- Watertight molded plug and connector ends for safety and durability.
- Heavy-duty, super flexible marine grade cable (30 Amp 10 gauge, 50 Amp 6 gauge)
- Corrosion-resistant, nickel-plated contacts

MARINE UL LISTED

5 YEAR WARRANTY

ORDER NO.	Mfr. No.			BOAT SIDE FEMALE CONNECTOR Attaches to boat inlet or cordset	DOCK SIDE MALE PLUG Attaches to dockside receptacle or cordset	
555-503230 Replaces #055-01520	Y503-2-30			**2-30A 125V** Locking w/ Sealing Collar System	**50A 125V** Locking	
555-504230 Replaces #055-01530	Y504-2-30			**2-30A 125V** Locking w/ Sealing Collar System	**50A 125/250V** Locking	
555-030230 Replaces #055-01570	Y30-2-30			**2-30A 125V** Locking w/ Sealing Collar System	**30A 125V** Locking	
555-5042504	Y504-2-504			**2-50A 125/250V** Locking w/ Sealing Collar System	**50A 125/250V** Locking	

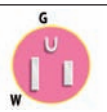
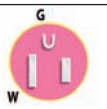
EEL SHOREPOWER™ - STYLE STRAIGHT ADAPTERS

EEL ShorePower™ - Style Straight Adapters are high-quality, one-piece adapters used much like Pigtail Adapters. However, they do not have sealing collars and are not recommended for use in wet locations. Use only in an enclosed, dry location, such as powering your boat from a 15A power receptacle inside your house. EEL ShorePower-style Straight Adapters add the following improved features:

- LED power indicator
- Ergonomic design for easier gripping

5 YEAR WARRANTY

EEL BY MARINCO SHOREPOWER

ORDER NO.	Mfr. No.		BOAT SIDE FEMALE CONNECTOR Attaches to boat inlet or cordset	DOCK SIDE MALE PLUG Attaches to dockside receptacle or cordset	
555-113015 Replaces #055-00810	S30-15		**15 or 20A 125V** Straight Blade	**30A 125V** Locking	
555-111530 Replaces #055-00830	S15-30		**30A 125V** Locking	**15A 125V** Straight Blade	
555-115504	S15-504		**50A 125/250V** Locking w/ Sealing Collar System	**15A 125V** Straight Blade	

MARINE UL LISTED

For more information see: www.marinco.com

POWER CORD PLUS® CORDSETS

All Marinco® cordsets are made of the highest quality, marine-grade construction with features you won't find on other power cords.

1 • Watertight molded plug and connector for safety and durability

2 • Heavy duty, super flexible marine-grade cable (30 amp 10 gauge, 50 amp 6 gauge)

3 • All models include a standard threaded ring for hook-up to ordinary threaded inlets

4 • Corrosion resistant, nickel plated contacts

5 **Power Indicator Light:** Boatside connector features a molded-in LED light. When it glows red, you know you have power to the boat.

6 **Contour Grip with Thumbprint Locator:** Both plug and connector ends are molded to fit the contour of your hand. When the thumbprint is in the 12 o'clock position,the blades line up for easy connection.

7 **Marinco's Easy Lock™ System:** Quickly locks the cord set to the inlet in just 1/8 of a turn. The exclusive locking tabs engage slots built into all Marinco® inlets.

NEMA L5-30R

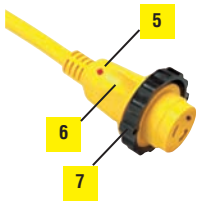
30A 125V Locking

30-AMP / 125V POWER CORD PLUS® CORDSETS

5 YEAR WARRANTY

ORDER NO.	Mfr. No.	Description
055-199117	199117	25 ft., Yellow
055-199119	199119	50 ft., Yellow
055-199120	199120	50 ft., White
155-199119	199119G	50 ft., Grey

Packaged in a sleeve



NEMA SS1-50R

50A 125V Locking

50-AMP / 125V POWER CORD PLUS® CORDSETS (3-WIRE)

ORDER NO.	Mfr. No.	Description
055-06153	6153SPP	50 ft., Yellow

Packaged in a box

NEMA SS2-50R

50A 125/250V Locking

50-AMP / 125/250V POWER CORD PLUS® CORDSETS (4-WIRE)

ORDER NO.	Mfr. No.	Description
055-61520	6152SPP	50 ft., Yellow

Packaged in a box

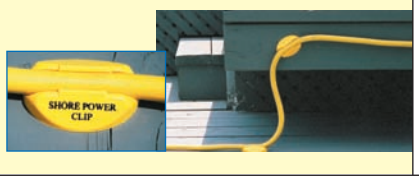
For more information see: www.marinco.com

SHORE POWER CORD CLIPS

DOCK EDGE®

A safe and reliable way to secure electrical shore power cords in high traffic areas. Easy to install and use, the Shore Power Clip is designed to hold a standard 30 Amp marine power cord in its' low profile, "toe friendly" shape.
Pack of 4

ORDER NO. 112-91200



For more information see: www.dockedge.com

MARINCO®

- Organize shore power cords quickly and easily
- Fits 30A cordsets securely
- Can be used on tube or wire rails
- UV stable, practically unbreakable clips

Mfr. No. CLIP-01 **6 Per pack / Black**

ORDER NO. 055-00001

For more information see: www.marinco.com

MARINCO®

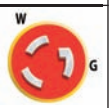
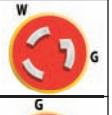
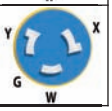
ADAPTERS

Note:
These adapters are equipped with covers and sealing collars (where indicated), and are for use in wet locations.

c UL us

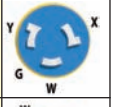
5 YEAR WARRANTY

CATEGORY 2 PIGTAIL ADAPTERS

ORDER NO.	Mfr. No.		BOAT SIDE (FEMALE CONNECTOR) Attaches to boat inlet or cordset	DOCK SIDE (MALE PLUG) Attaches to dock side receptacle or cordset	
055-0104SPP	104SPP		30A 125V Locking with Sealing Collar System **Features an LED Power-on indicator & thumbgrip locator**	15A 125V Straight Blade with locking screw	
055-0105SPP	105SPP		15A 125V Straight Blade **Features a Power-on indicator & thumbgrip locator**	30A 125V Locking	
055-10030-SP	1RPCSP		30A 125V Locking with Sealing Collar System NEW!	30A 125V Locking	
055-01110	111A		50A 125V Locking with Sealing Collar System	30A 125V Locking	
055-0150SPP	150SPP		50A 125/250V Locking with Sealing Collar System	15A 125V Straight Blade with locking screw	
055-01170	117A		50A 125/250V Locking with Sealing Collar System	30A 125V Locking	
055-01210	121A		30A 125V Locking with Sealing Collar System	50A 125/250V Locking	
055-10050-SP	1RPC50SP		50A 125/250V Locking with Sealing Collar System NEW!	50A 125/250V Locking	

MARINCO'S *unique sealing collar system with MARINEGUARD II cover joins the adapter to the cordset with a positive, mechanical connection which provides maximum moisture protection.*

"Y" ADAPTERS

ORDER NO.	Mfr. No.			BOAT SIDE (FEMALE CONNECTOR) Attaches to boat inlet or cordset	DOCK SIDE (MALE PLUG) Attaches to dock side receptacle or cordset	
055-01520	152AY			2-30A 125V Locking w/ Sealing Collar System	50A 125V Locking	
055-01530	153AY			2-30A 125V Locking w/ Sealing Collar System	50A 125V/250V Locking	
055-01570	157AY			2-30A 125V Locking w/ Sealing Collar System	30A 125V Locking	
055-01650	165AY			2-50A 125/250V Locking w/ Sealing Collar System	50A 125/250V Locking	

Note:
These adapters are equipped with covers and sealing collars (where indicated), and are for use in wet locations.

c UL us

5 YEAR WARRANTY

DOCK SIDE 30 AMP TO 15 AMP ADAPTER WITH GFCI

- Provides safer hook-up to 30A dock side power
- Provides protection against harmful electric shock
- Reduces the possibility of fire
- Offers protection for up to three (3) attached tools
- Corrosion resistant & rain-proof rated for outdoor use
- Can also be used for other outdoor, harsh environments such as construction sites or wherever ground fault protection is desired

GFCI Protection:
According to ABYC standard E-11,11. A Ground Fault Circuit Interupter (GFCI) may be used on single phase AC circuits to provide additional protection for personnel & equipment.

ORDER NO.	Mfr. No.	NEW!	BOAT SIDE (FEMALE CONNECTOR) Attaches to boat inlet or cordset	DOCK SIDE (MALE PLUG) Attaches to dock side receptacle or cordset	
055-199128	199128	G W G W G W	3-15A 125V Straight Blade	30A 125V Locking	W G

Note: A Ground Fault Circuit Interrupter (GFCI) limits the duration of an electrical shock to a period considered safe for healthy people. It does not prevent electric shock. This device does not protect against electric shock due to contact with both circuit conductors or a fault in any wiring supplying this device.

30 AMP INLETS, PLUGS, CONNECTORS

30 AMP 125V INLETS

IP56 Meets or Exceeds ABYC Standards · CSA · MARINE UL LISTED

NEMA L5-30R W G 30A 125V LOCKING

Marinco® Power Inlets are the industry standard. Offered in 3 styles, they feature robust construction & corrosion-resistant materials for long life in the harsh marine environment. Easy to install & a pleasure to use for the marine professional or the casual recreational boater.

1 • Easy Lock™ - Marinco®'s exclusive Easy Lock™ System has been designed to make hook-up quick and easy. Just connect the cordset (with an Easy Lock™ locking ring installed) to the inlet and turn the locking ring less than a quarter turn. The tabs on the locking ring lock into the inlet for a positive watertight hook-up while eliminating any chance of cross threading. The locking ring features lock locators positioned at 180˚ to improve finger grip during attachment. Easy Lock™ inlets have a threaded boss that swill accept threaded cordsets as well. The Easy Lock™ system is a standard feature on some Marinco® 30 Amp and 50 amp inlets and cord sets

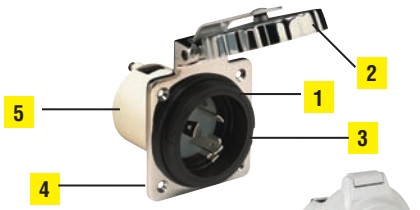
2 • The covers on all Marinco® inlets are designed to stay hinged open when the cover is lifted up. This allows the boater to connect their shore power cord while the cover remains open and out of the way. A soft touch unlocks it for closing

3 • Blades are nickel plated brass for maximum corrosion resistance

4 • Interior hardware is marine grade stainless steel

Rear Enclosure

5 • Made of flame resistant UL94V0 plastic
• All rear enclosures are glass-filled polyester for strength
• Integral strain relief complies with ABYC requirements
• Multiple positions allow for maximum installation flexibility



STAINLESS STEEL POWER INLET

Marinco® stainless steel inlets are solid cast marine grade 316 stainless steel and include a heavy duty cap strap for strength and durability.

ORDER NO. 055-03020

Mfr. No. 303SSEL-B

STANDARD POWER INLET

Marinco® standard inlets feature UV stabilized glass-filled polyester construction for long-lasting strength

ORDER NO. 055-03010

White - Stainless Steel Trim

Mfr. No. 301EL-B

CONTOURED POWER INLET

Marinco® contoured inlets feature UV stabilized glass-filled polyester construction for long-lasting strength.

ORDER NO. 055-03040

White - Stainless Steel Trim

Mfr. No. 304EL-B

3-WIRE 30 AMP 125V LOCKING CHARGING/ TROLLING SYSTEM

30 AMP DEVICES

NEMA L5-30R W G 30A 125V LOCKING

FEMALE CONNECTOR

- Short housing, black nylon with internal strain relief system and recessed fasteners

ORDER NO. 055-03051

Mfr. No. 305BC

FEMALE CONNECTOR

- Yellow nylon w/ CABLOCK system

ORDER NO. 055-13053

Mfr. No. 305CRCN

MALE PLUG

- Short housing, black nylon with internal strain relief system and recessed fasteners

ORDER NO. 055-03052

Mfr. No. 305BP

MALE PLUG

- Yellow nylon with CABLOCK system

ORDER NO. 055-13054

Mfr. No. 305CRPN

For more information see: www.marinco.com

MARINCO

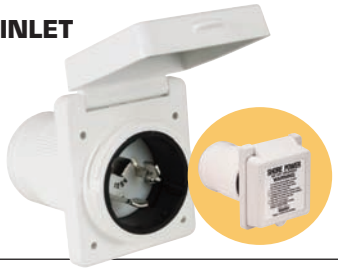
50A 125V BOAT POWER INLETS/ DEVICES & ACCESSORIES

IP56 Meets or Exceeds ABYC Standards

NEMA SS1-50P 50A 125V LOCKING

6371EL-B
50 AMP 125V POWER INLET
- 316 stainless steel
- Easy Lock System
- Soft Touch cap design
- Rear safety enclosure with strain relief
- Includes Easy Lock ring

ORDER NO. 055-06371



6351EL-B
50 AMP 125V POWER INLET
- Glass-filled polyester
- Easy Lock System
- Watertight
- Rear safety enclosure with strain relief
- Includes Easy Lock ring

ORDER NO. 055-06351

50A 125V PLUGS & CONNECTORS & COVERS

6360CRN (125V)
Female Connector
2 Pole, 3 Wire
ORDER NO. 055-06360

6361CRN (125V)
Male Plug
2 Pole, 3 Wire
ORDER NO. 055-06361

50A 125/250V BOAT POWER INLETS / DEVICES & ACCESSORIES

IP56 Meets or Exceeds ABYC Standards

NEMA SS2-50P 50A 125/250V LOCKING

6373EL-B
50 AMP 125/250V POWER INLET
- 316 stainless steel

ORDER NO. 055-06373

6353EL-B
50 AMP 125/250V POWER INLET
- Stainless steel rim

ORDER NO. 055-06353

50A 125/250V PLUGS & CONNECTORS

MALE PLUG 125/250V
3 Pole, 4 WireMfr. No. 6365CRN
ORDER NO. 055-63650

FEMALE CONNECTOR 125/250V
3 Pole, 4 Wire
Mfr. No. 6364CRN
ORDER NO. 055-63640

50 A 125/250V SEALING COLLARS, RINGS & COVERS

510R
SEALING COLLAR WITH THREADED RING
Provides max. moisture protection between cordset and adapter.
Black LEXAN®
Use with 50A systems only
ORDER NO. 055-05100

500R
THREADED RING
For use with 50A systems.
Black LEXAN®

ORDER NO. 055-05000

7717N
Weatherproof Cover
Use with 6361CRN or 6365CRN
ORDER NO. 055-07717

7715CRN
Weatherproof Cover
with Threaded Ring
Use with 6360CRN or 6364CRN
ORDER NO. 055-07715

20A 125V LOCKING TYPE PLUGS & CONNECTORS

MALE PLUG
Yellow nylon with CABLOCK system.
Mfr. No. 205CRPN
ORDER NO. 055-02054

FEMALE CONNECTOR
Yellow with CABLOCK system.
Mfr. No. 205CRCN
ORDER NO. 055-02053

15A MARINE GRADE EXTENSION CORDS

- Marine grade SJTOW cable
- Clear ends with lighted female end for visual power indication on 14.3 models
- Female end contains slide button lock for protection against cable disconnection*
- Slide button lock compatible with all other manufacturers' products*
- ETL certified to UL standards

055-150025

ORDER NO. 055-150025	14/3 15A Locking Extension Cord, **25 Ft.***	Mfr. No. 150025
ORDER NO. 055-150050	14/3 15A Locking Extension Cord, **50 Ft.***	Mfr. No. 150050
ORDER NO. 055-151225	12/3 15A Heavy-Duty Cord, **25 Ft.**	Mfr. No. 151225
ORDER NO. 055-151250	12/3 15A Heavy-Duty Cord, **50 Ft.**	Mfr. No. 151250

055-151225

ACCESSORIES - Weatherproof Covers

WEATHERPROOF COVER w/ THREADED RING

Cover for 305CRCN or 205CRCN.
Mfr. No. 103RN
ORDER NO. 055-11030

THREADED RING

Black LEXAN.
For use with 30A systems.
Mfr. No. 100R
ORDER NO. 055-01100

WEATHERPROOF COVER

Cover for 305CRPN
or 205CRPN.
Mfr.No. 102N
ORDER NO. 055-11020

SEALING COLLAR WITH THREADED LEXAN RING

Provides maximum moisture protection between cordset & adapter. For use with 20A & 30A locking systems.
Mfr. No. 110R
ORDER NO. 055-10000

50 AMP RECEPTACLE

Receptacle 50A 125V/250V
Wire Dockside Receptacle, 3 Pole, 4 Wire
Mfr. No. 6369CR
ORDER NO. 055-63690

WEATHERPROOF COVER

- Yellow LEXAN® polycarbonate with lift lid
- Fits 50A receptacles (6369CR, 6370CR)

Mfr. No. 7788CR
ORDER NO. 055-77880

EASY LOCK RING

For use on 30A inlets.
Not designed for use with sealing collar system.
Black LEXAN.
Mfr. No.100EL **ORDER NO. 055-10001**

MARINCO

SHOREPOWER CORD SETS

FURRION

THE PERFECT BALANCE OF STRENGTH & DURABILITY

Features:

- Super-flex, oil resistant conduit that is easy to clean and flexible for easy coiling
- Ergonomically, molded side grips for easy user-friendly connections
- 99.9% pure annealed copper with thick copper strands provide maximum conductivity and durability
- All cords meet global marine industry standards, Marine UL, cUL, ETL Intertek Certified
- 5-year, quality assured warranty

POWERSMART™ Blue
LED Voltage Indicator

Provides instant indication that power is present, dual Powersmart LEDs indicate power is present on each leg. In blackout situations, the LEDs indicate whether a fault has occurred at the power source or at your equipment.

FAULTSMART™ Red
LED Fault Indicator
REVERSE POLARITY & NEUTRAL LOSS INDICATOR

Indicates incorrect flow of electricity due to incorrect wiring. Provides instant warning and reduces the risk of hazard or damage to electrical quipment. ****50A, 125V Cords***

POWERSMART™ 30 AMP LED CORD SETS with PowerSmart™ Technology

The Powersmart™ bright blue LED voltage indicator displays real time information that there is power to the cord set. Engineered and tested to withstand harsh environments, Furrion cord sets are ETL Intertek Certified, meet Marine UL and other global marine industry standards.

Features:

- Constructed for durability, strength and longevity in the marine environment, flexible for easy coiling and storage
- Ergonomically, molded side grips for easy connection
- Universal fit with other brands (NEMA)

POWERSMART™ Blue
LED Voltage Indicator

ORDER NO.	Mfr. No.	Item #	Rating	Description	Length	Colour
528-381696	381696	F30P25-SY	30A, 125V	**POWERSMART™ Blue LED Voltage Indicator**	25'	Yellow
528-381698	381698	F30P50-SY	30A, 125V	**POWERSMART™ Blue LED Voltage Indicator**	50'	Yellow

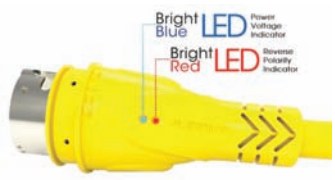
30 AMP STANDARD CORD SETS

Engineered and tested to withstand harsh environments, Furrion cord sets are ETL Intertek Certified, meet Marine UL and other global marine industry standards.

ORDER NO.	Mfr. No.	Item #	Rating	Length	Colour
528-381692	381692	F30C25-SY	30A, 125V	25'	Yellow
528-381694	381694	F30C50-SY	30A, 125V	50'	Yellow

50 AMP CORD SETS with PowerSmart™ Technology

The Powersmart™ LED voltage indicator displays real time information that power is present on each leg of the cord set. 50 Amp, 125V cords feature the Faultsmart™ LED indicator, which provides reverse polarity condition warning. Engineered and tested to withstand harsh environments, Furrion cord sets are ETL Intertek Certified, meet Marine UL and other global marine industry standards. 50 Amp cord sets include a heavy-duty organization bag.



ORDER NO.	Mfr. No.	Item #	Rating	Description	Length	Colour
528-381700	381700	F50150-SY	50A, 125V	**POWERSMART™ Blue LED Voltage Indicator** **FAULTSMART™ Reverse Polarity & Neutral Loss Indicator**	50'	Yellow

FURRION

MODERN DESIGN MEETS OPTIMAL PERFORMANCE

Powersmart bright blue LED technology notifies the boater of normal and abnormal conditions. Faultsmart™ indicators provide valuable, real-time information. Furrion adapters and connectors are construced with heavy-duty, corrosion-resistant, marine grade materials to the highest quality standards; andare engineered to meet marine industry standards including Marine UL/cUL, CE and ABYC. ETL Intertek Certified.

- Ergonomically, molded side grips for easy user-friendly connections
- 99.9% pure annealed copper with thick copper strands provide maximum conductivity and durability
- All cords meet global marine industry standards, Marine UL, cUL, ETL Intertek Certified
- 5-year, quality assured warranty

POWERSMART™ Blue LED Voltage Indicator

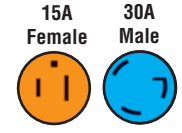
FAULTSMART™ Red LED Fault Indicator
REVERSE POLARITY & NEUTRAL LOSS INDICATOR
(50A, 125V Devices)

PIGTAIL ADAPTERS with PowerSmart™ Technology

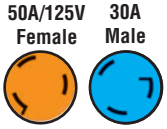
Marine pigtail adapters are used to convert plug sizes. Furrion pigtail adapters are made to stringent quality standards, constructed with high-grade, corrosion resistant materials for longevity in the harsh marine environment. Designed for safety, Powersmart™ or Faultsmart™ indicators provide valuable, real-time information. Plug-ends feature ergonomic side grips for easy, user-friendly connection. Furrion adapters meet global industry standards, NEMA universal fit with other brands, cables are rated up to 600V, 105˚C, and a bonus sealing collar is included with all pigtail adapters except (FP1530SY). Furrion stands behind its shorepower products with a 5-year warranty. 50A adapters include a heavy-duty storage bag.

FP1530-SY

15A Female / 30A Male

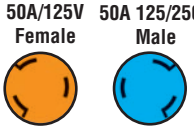


FP3050-SY



50A/125V Female / 30A Male

FP3055-SY



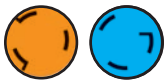
50A/125V Female / 50A 125/250V Male

ORDER NO.	Mfr. No.	Item #	Boat (Female)	Dock (Male)
528-381704	381704	FP1530-SY	15A Connector	30A Plug
528-381707	381707	FP3050-SY	30A Connector	50A, 125V Plug
528-381708	381708	FP3055-SY	30A Connector	50A, 125/250V Plug

FP5030-SY

50A/125V Female / 30A Male

FP5530-SY



50A/125/250V Female / 30A Male

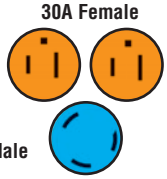
ORDER NO.	Mfr. No.	Item #	Boat (Female)	Dock (Male)
528-381709	381709	FP5030-SY	50A, 125V Connector	30A Plug
528-381711	381711	FP5530-SY	50A, 125/250V Connector	30A Plug

Y- ADAPTERS with PowerSmart™ Technology

Marine pigtail adapters are used to convert plug sizes. Furrion pigtail adapters are made to stringent quality standards, constructed with high-grade, corrosion resistant materials for longevity in the harsh marine environment. Designed for safety, Powersmart™ or Faultsmart™ indicators provide valuable, real-time information. Plug-ends feature ergonomic side grips for easy, user-friendly connection. Furrion adapters meet global industry standards, NEMA universal fit with other brands, cables are rated up to 600V, 105˚C, and a bonus sealing collar is included with all pigtail adapters except (FP1530SY). Furrion stands behind its shorepower products with a 5-year warranty. 50A adapters include a heavy-duty storage bag.

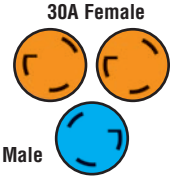
F1530Y-SY

30A Female / 30A Male



F3030Y-SY

30A Female / 30A Male



ORDER NO.	Mfr. No.	Item #	Boat (Female)	Dock (Male)
528-381713	381713	F1530Y-SY	(2) 15A Connectors	30A Plug
528-381714	381714	F3030Y-SY	(2) 30A Connectors	30A Plug

STRAIGHT ADAPTERS with PowerSmart™ Technology

F1530AD-SS

30A/ Female / 15A Male

F30150AD-SS

15/20A Female / 30A Male

Specifications:

Rated: 125V
Casing: PC
Blades: Nickel-plated brass plugs made to NEMA standards

ORDER NO.	Mfr. No.	Item #	Boat (Female)	Dock (Male)
528-381662	381662	F1530AD-SS	30A	15A
528-381663	381663	F3015AD-SS	15/20A	30A

For more information see www.furrion.com

WATERPROOF BATTERY CHARGERS

ProMariner™

ProSportHD

Heavy Duty Recreational Grade On-Board Battery Chargers

ProSportHD Generation 4 boasts a new aggressive heavy duty tri-surface heatsink design. This new lightweight design delivers faster charging through optimal cooling, while delivering true rated constant current charging amps during charge mode.

ProSportHD's enhanced microprocessor & software control sports a dashboard of new digital features including: fuel gauge style Charge Completion Monitor, Charge Mode LED bar, individual dual mode Full / Fault Battery indicators & 3 digitally selectable performance charge profiles. Fully automatic multi-stage charging enhances battery performance with 5 sequential stages: Analyzing, Charging, Conditioning, Auto Maintain (Energy Saver) & a once a month storage recondition mode that's safe for short & long term storage. System Check OK & Battery Status indicators provide real time installation & battery fault status feedback.

- ProMariner Digital Technology
- Distributed-On-Demand™ Technology
- Heavy Duty Tri-Surface Extruded Heat Sink Design
- Expanded LED Display with Completion Status Gauge
- Lightweight Design
- Auto-Maintain Energy Saver Mode
- Fully Automatic 5-Stage Digital Performance Charging
- Pre-Wired with Waterproof Inline DC Fuses
- Built-in Quality & Safety
- Easy Installation & Operation
- IP67 Waterproof

Flooded Lead Acid AGM & Gel Batteries | 3 Year Warranty | Energy Saving

D² Distributed-on-Demand Technology

IP67 Waterproof

NEW!

6 Amp - 1 Bank
12V For One 12V Battery

8 Amp - 2 Bank
12V 12V For Two 12V Batteries

12 Amp - 2 Bank
12V 12V For Two 12V Batteries

20 Amp - 2 Bank
12V 12V For Two 12V Batteries

20 Amp - 3 Bank
12V 12V 12V For Three 12V Batteries

ORDER NO.	Mfr. No.	Model	Volts	Amps	No. Batteries	Cable Length	Size	AC Input	Weight	AC Plug
001-44006	44006	ProSportHD 6	12	6	1	6'	7.9" x 7.7" x 2.9"	120 VAC +/- 10% 50/60Hz	3.8 lbs.	NEMA 5-15
001-44008	44008	ProSportHD 8	12/24	8	2	6'/6'	7.9" x 8.9" x 2.9"	120 VAC +/- 10% 50/60Hz	5.2 lbs.	NEMA 5-15
001-44012	44012	ProSportHD 12	12/24	12	2	6'/6'	7.9" x 10.5" x 2.9"	120 VAC +/- 10% 50/60Hz	6.0 lbs.	NEMA 5-15
001-44020	44020	ProSportHD 20	12/24	20	2	6'/6'	7.9" x 12.8" x 2.9"	120 VAC +/- 10% 50/60Hz	7.2 lbs.	NEMA 5-15
001-44021	44021	ProSportHD 20 Plus	12/24/36	20	3	6'/6'/6'	7.9" x 12.8" x 2.9"	120 VAC +/- 10% 50/60Hz	7.8 lbs.	NEMA 5-15

@ Have a Technical Question?

Contact our Technical Support Staff
email: techsupport@ccmarine.ca

For more information see: www.promariner.com

ProTournament*elite* Series

Tournament Winning Technology…

The fastest battery charger with the most features in its class. Specifically designed to deliver maximum charging performance and extend battery life. Get on the water first and stay there longer with tournament winning technology providing: 100% charge upon completion of multi-stage charging process. 100% charging output with AC power as low as 90 VAC. 50% lighter and 2 to 3 times faster than traditional chargers. Give your batteries what they demand with ProTournamentelite's three (3) digitally selectable "performance matched" 5-stage charge profiles. Using 100% of the available charging amps, ProTournamentelite's Distributed-On- Demand™ Charging technology will always distribute its full charging output to the combination of batteries connected to it as required by the discharge state of each battery.

For 12, 24, 36 or 48 Volt Systems (model specific, see chart below)

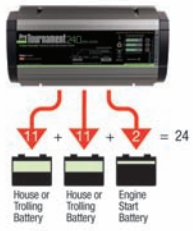
Digital LED Display with Dual Mode Battery Status Monitor
Charge level indicator with on-the-water push-to-test button
System Check OK and battery trouble status indicators
3 Selectable Performance matched charge profiles

3 Selectable Performance Matched Charge Profiles
Standard Flooded/AGM batteries, HP AGM1 for pure lead AGM batteries like OPTIMA Blue Top Marine Batteries, HP AGM 2 for pure lead AGM Batteries like Odyssey Marine Batteries.

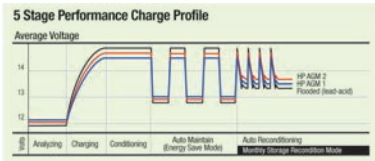
Waterproof Connector Port for Optional Charge Status Remote
Tri-color LEDs indicates charge mode status
Remote not included

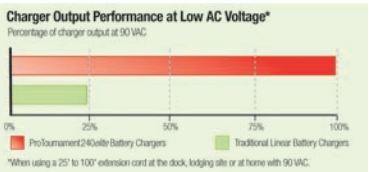
Digital 5-Stage Charging
Analyzing, advance high fill rate charging, conditioning and auto maintain (energy saving mode)
Automatic once a month storage recondition mode

How Distributed-On-Demand™ Charging Technology Works



ProTournament*elite*'s Distributed-On-Demand™ Charging Technology ensures 100% of the available charging amps are fully utilized to meet the demand of each battery on-board. For example, if your engine start battery only needs 2 amps from your ProTournament240*elite*, the unused 6 amps will automatically be Distributed-On-Demand™ to your house or trolling motor batteries, providing 11 amps to each of your deep cycle batteries for faster charging.





For Lead Acid (Flood) / AGM batteries only. For Group 24 to 31 12V Flood (Lead-Acid), STD AGM & high performance AGM batteries

Designed and constructed to:
Marine UL 1236 SB
CSA C22.2 No. 107.2
FCC Class A
CEC Listed

100% WATERPROOF & SALTWATER TESTED

THREE YEAR WARRANTY INCLUDED

Professional Grade Series On-Board Marine Battery Charger

Professional Performance for Fastest Charge Times
Designed to deliver maximum charging performance and extend battery life.

Tournament Winning Technology
100% charge upon completion of multi-stage charging process. 100% charging output with AC power as low as 90 VAC. 50% lighter and 2 to 3 times faster than traditional chargers.

Forced Induction Cooling (360 *elite* models only)
Concealed waterproof fan provides forced air cooling for cooler operation & fastest charge times.

Digital LED Display with Dual Mode Battery Status Monitor
Intuitive LED display with charge mode indicators and real time charge level status with an on-the-water push-to-test feature for percent of battery power remaining.

3 Selectable Performance Matched Charge Profiles
Profiles include: Standard Flooded/AGM batteries, HP AGM1 for pure lead AGM batteries like OPTIMA Blue Top Marine Batteries, HP AGM 2 for pure lead AGM Batteries like Odyssey Marine Batteries.

Waterproof Connector Port for Optional Status Remote
Optional tri-color LED charge mode status remote can be placed up to 12' away from the charger.

Digital 5-Stage Charging with Temperature Compensation
Analyzes connections and the ability for a battery to accept a charge, advance high fill rate charging, conditioning, auto maintain (energy saving mode) and automatic once a month storage recondition mode automatically monitors ambient temperatures and adjusts its charging output.

System OK & Individual Battery Trouble Status Indicators
Advanced technology eliminates time consuming trouble shooting by clearly indicating system and battery connections are OK or if a fault is present on a specific battery bank.

Built-in Safety & Pre-Wired for Easy Installation
Shock resistant, space saving extruded aluminum design, dual in-line DC safety fuses for trolling motor and house batteries, over-voltage, overload, over-temperature, reverse polarity and ignition protection.

Distributed-On-Demand™ Technology

ORDER NO.	Mfr. No.	Model	Volts	Amps	Banks	Cable Length	Size	Weight	AC in
001-52024	52024	ProTournament 240*elite* Dual	12/24	24	2	6'/6'	13" x 7.125" x 2.75"	7 lbs.	90-135
001-52026	52026	ProTournament 240*elite* Triple	12/24/36	24	3	6'/6'	13" x 7.125" x 2.75"	8 lbs.	90-135
001-52032	52032	ProTournament 360*elite* Dual	12/24	36	2	6'/6'	13.5" x 9.375" x 4"	12.5 lbs.	90-135
001-52036	52036	ProTournament 360*elite* Triple	12/24/36	36	3	6'/6'	13.5" x 9.375" x 4"	13.5 lbs.	90-135
001-52038	52038	ProTournament 360*elite* Quad	12/24/36/48	36	4	6'/6/6/6'	13.5" x 9.375" x 4"	14.5 lbs.	90-135
001-52060	52060	ProTournament Status Remote	N/A	N/A	N/A	12'	1.75" x 1.5" x 1.14"	0.6 lbs.	N/A

For more information see: www.promariner.com

ProNauticP SERIES BATTERY CHARGERS PROMAR DIGITAL PERFORMANCE CHARGING

Industry recognized with the 2010 IBEX Innovation Award, ProNauticP employs our Generation 3 ProMar Digital Performance Charging Platform which combines all digital control and software-based power conversion technology with global energy management features.
ProNauticP addresses the trend of incorporating and using more 12-volt electronics on board today's power, sail, cruising and sport fishing boats.

Features:

- ProMar Digital Charging Performance - 12 Selectable Profiles
- Power Factor Correction - Global AC Input
- Distributed-On-Demand™ Technology
- Digital Self-Calculating Absorption and Battery Health Re-Conditioning Mode
- Conservation Energy Saver Mode
- Service and Fault Mode LED Indicators
- Automatic Fan Speed Control
- Automatic Temperature Compensation and Built-in Safety: Marine ULc 1236, CE, CTick and FCC Class B
- Available in 12V or 24V Models

ORDER NO.	Mfr. No.	Description	Volts	Amps	Banks	AC Input	Cycle	Dimensions
001-63110	63110	ProNautic 1210P	12	10	2	100-240	50\60	10.25" L x 8.5" W x 3.5" H
001-63115	63115	ProNautic 1215P	12	15	3	100-240	50\60	10.25" L x 8.5" W x 3.5" H
001-63120	63120	ProNautic 1220P	12	20	3	100-240	50\60	10.25" L x 8.5" W x 3.5" H
001-63130	63130	ProNautic 1230P	12	30	3	100-240	50\60	10.25" L x 8.5" W x 3.5" H
001-63140	63140	ProNautic 1240P	12	40	3	100-240	50\60	10.25" L x 8.5" W x 3.5" H
001-63150	63150	ProNautic 1250P	12	50	3	100-240	50\60	12.25" L x 8.5" W x 3.5" H
001-63160	63160	ProNautic 1260P	12	60	3	100-240	50\60	12.25" L x 8.5" W x 3.5" H
001-63170	63170	ProNautic 2420P	24	20	3	100-240	50/60	10.25" L x 8.5" W x 3.5" H
001-63180	63180	ProNautic 2430P	24	30	3	100-240	50/60	12.25" L x 8.5" W x 3.5" H

12 Volt and 24 Volt Digitally Controlled Charge Profiles

Digitally Controlled Charge Profiles

	12V Models				24V Models			
	Preset 1		Preset 2		Preset 1		Preset 2	
Battery Type	Conditioning V DC	Auto-maintain V DC Range	Conditioning V DC	Auto-maintain V DC Range	Conditioning V DC	Auto-maintain V DC Range	Conditioning V DC	Auto-maintain V DC Range
Flooded	14.8V DC	12.8-13.6V DC	14.7V DC	12.8-13.4V DC	29.6V DC	25.6-27.2V DC	29.4V DC	25.6-26.8V DC
Sealed	14.4V DC	12.8-13.6V DC	14.6V DC*	12.8-13.4V DC*	28.8V DC	25.6-27.2V DC	29.2V DC*	25.6-26.8V DC*
AGM	14.4V DC	13.0-13.4V DC	14.6V DC	13.0-13.6V DC	28.8V DC	26.0-26.8V DC	29.2V DC	26.0-27.2V DC
GEL	14.0V DC	13.2-13.7V DC	14.4V DC	13.2-13.8V DC	28.0V DC	26.4-27.4V DC	28.8V DC	26.4-27.6V DC
LiFePO4 - Lithium	13.8V DC	13.2-13.8V DC	14.6V DC	13.2-14.6V DC	27.6V DC	26.4-27.6V DC	29.2V DC	26.4-29.2V DC
Calcium/Prgm Custom	15.1V DC	13.2-13.6V DC	PrgmV DC**	PrgmV DC**	30.2V DC	26.4-27.2V DC	PrgmV DC***	PrgmV DC***
Equalization	15.5V DC	15.5V DC	15.5V DC	15.5V DC	31.0V DC	31.0V DC	31.0V DC	31.0V DC

* Factory setting **Default : Conditioning = 13.6V DC, Auto-maintain = 13.2-13.6V DC ***Default: Conditioning = 27.2V DC, Auto-maintain = 26.4-27.2V DC

ACCESSORIES

OPTIONAL DIGITAL DISPLAY AND CONTROL REMOTE

ProNauticP optional remote available for interactive remote port for digital display and control.

ORDER NO. 001-63100

Mfr No. 63100

Expand your ProNauticP Digital Charging System with PROISOCHARGE SERIES (See Page 421)

Digital Mobile Charge DC TO DC Advanced Electronic In-Transit-4-Stage Battery Charging Systems

Battery to Battery

Digital Mobile Charge40 is a breakthrough in battery to battery, on-the-water charging technology. Simply connect to the engine crank battery and your house electronic battery, allowing for up to 40 Amps per hour to be transferred to your house battery bank. Protects your engine battery while charging and conditioning your house battery bank, using its all-digital C³ boost-mode-charging technology.

Digital Mobile Charge130 alternator to battery on-the-water charging system provides a significant increase in charging capacity of up to 130 amps. Simply connect your alternator to the Digital Mobile Charge130, then connect Digital Mobile Charge130 to your engine crank battery and house electronic battery bank. Digital Mobile Charge130 will provide up to 130 Amps per hour to your house battery bank while protecting your engine battery and charging/conditioning your house battery with its all-digital C³ boost mode charging technology.

Alternator to Battery

- **In-Transit C³ Software Controlled, Multi-Stage Charging** - Optimal fast charge, conditioning & maintenance. 4th stage provides on-demand fast charge mode when needed.
- **C³ Software - Engine Battery Management** - Intelligently monitors & manages the health of the engine battery while providing maximum charge capacity to the auxiliary battery or bank.
- **C³ Intelligent Self-Calculating Absorption/Conditioning Mode** - Automatic programming of charge/absorption time based on discharge state of auxiliary battery or bank resulting in a 100% charge while desulfating battery plates and extending battery life.
- **On-Board C³ Digital Dash Includes Hi-Vis LED's** - Battery type, charge modes, temperature & fault conditions
- **User Programmable Battery Type Selector** - Select flooded (lead-acid), AGM and GEL batteries
- **Built-in Safety** - Ignition protection, over temperature and over voltage protection. Intelligent alternator & battery over temperature protection
- Remote temperature probe included

ORDER NO.	Mfr. No.	Description	DC Input (Volts/Amps)	DC Output (Volts/Amps)	Dimensions LxWxH
001-55040	05504	Digital Mobile Charge40 12V to 12V Battery to Battery	12 Volts/40 Amps	12 Volts/40 Amps	11" x 9.75" x 2.5"
001-55130	05513	12V Digital Mobile Charge130 Alternator to Battery	12 Volts	12 Volts/Up to 130 Amps (Varies w/ Alternator Size)	11" x 9.75" x 2.5"

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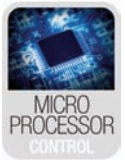
Charge and Isolate Multiple Batteries from a Single Alternator

PROISOCHARGE SERIES

INTELLIGENT ALTERNATOR POWER DISTRIBUTION SYSTEM

ProIsoCharge delivers digitally controlled alternator output distribution while protecting the health of engine start batteries, isolating and charging up to 3 other independent battery banks off of a single alternator (model specific).

- ProMar Digital Performance Zero Volt Loss Isolation and Charging
- Intelligent Isolation and Charging Software Control
- Real Time LED Status Indicators
- Ignition Controlled
- Advance Regulator Ready
- Easy Installation
- Built-in Safety - Ignition protected



Mfr No. 23121
ORDER NO. 001-23121

Mfr No. 23124
ORDER NO. 001-23125

Mfr No. 23125
ORDER NO. 001-23125

ORDER NO.	Mfr. No	Model	Volts DC	Max. Amps DC	Alt. Input	Battery Outputs	Dimensions
001-23121	23121	ProIsoCharge 120 1•2	12	120 A	1	2	5.35" L x 5.875" W x 3.125" H
001-23124	23124	ProIsoCharge 120 1•3	12	120 A	1	3	6.15" L x 5.875" W x 3.125" H
001-23125	23125	ProIsoCharge 180 1•3	12	180 A	1	3	7.55" L x 5.875" W x 31.25" H

ProMar1 DIGITAL SERIES

PROMAR1 DIGITAL SERIES

Recreational Marine & Industrial Grade On-Board Battery Chargers

ProMar1 DS Generation 3 reflects a new outward design taken to the next level in performance with all Digital Charging Technology.

Flooded Lead Acid AGM & Gel Batteries | 3 Year Warranty | Energy Saving

- Fully Automatic 4-Stage Charging proven to extend battery life
- Dual Mode Charge Status Indicator
- Battery & Wiring Fault Detection
- Rugged Shockproof Construction
- Auto Maintain/Energy Saver Mode Extends Battery Life
- Safe for Long & Short Term Storage
- Pre-Wired with Waterproof Inline DC Fuses & Nickel Plated Copper Ring Terminals
- Built-in Safety
- IP68 Waterproof
- Quiet EMI Design Meets US FCC Emissions Requirements

NEW!

5 Amp - 1 Bank

12V For One 12V Battery

Charging: up to 14.1 VDC
Auto Maintain: 12.8-13.5 VDC

ORDER NO. 001-31505
Model: 31505

10 Amp - 2 Bank

12V 12V For Two 12V Batteries

Charging: up to 14.1 VDC
Auto Maintain: 12.8-13.5 VDC

ORDER NO. 001-31510
Model: 31510

15 Amp - 3 Bank

12V 12V 12V For Three 12V Batteries

Charging: up to 14.1 VDC
Auto Maintain: 12.8-13.5 VDC

ORDER NO. 001-31515
Model: 31515

ORDER NO.	Mfr. No.	Model	Volts	Amps	No. Batteries	Cable Length	Size	AC Input	Weight	AC Plug
001-31505	31505	ProMar1DS 5	12	5	1	6'	6.4" x 4.1" x 2.4"	110-120 VDC, 50/60Hz	4.0 lbs.	NEMA 5-15
001-31510	31510	ProMar1DS 10	12/24	5/5	2	6'	9.2" x 5.7" x 2.4"	110-120 VDC, 50/60Hz	7.0 lbs.	NEMA 5-15
001-31515	31515	ProMar1DS 15	12/24/36	5/5/5	3	6'	10.5" x 6.5" x 3.0"	110-120 VDC, 50/60Hz	11.0 lbs.	NEMA 5-15

Note: For use with Group 24 through 31 Flooded (lead-acid) & GEL batteries. Not for use with AGM (Absorbed Glass Matt) or 4D or 8D large capacity batteries

ACCESSORIES

CHARGER DC CABLE EXTENDERS

Universal design for all marine chargers with ring terminal cables.

- Rated up to 30 amps
- No cutting, stripping, or splicing required
- Use with all on-board marine battery chargers when standard battery charger cables do not reach your bow, center mount or stern battery compartment locations

ORDER NO. 001-51805
Mfr. No. 51805 5 feet

NEW!

ORDER NO. 001-51815
Mfr. No. 51815 15 feet

UNIVERSAL AC PLUG HOLDER+

- Universal design for all standard 120V AC plugs.
- Converts plug holder to an AC inlet for ProMariner engineered chargers
- No cutting, stripping, or rewiring of AC power cord
- Watertight & UV resistant cover
- Plug clamp insert included

ORDER NO. 001-51300
Mfr. No. 51300 Black

NEW!

ORDER NO. 001-51310
Mfr. No. 51310 White

For more information see: www.promariner.com

PROSPORT POWER INVERTER

Perfect for the on-board or on-the-road active user who needs to convert 12 Volt battery power to 110V AC. While on the water or in you car, provide instant AC power for laptops, cell phone, chargers, radios, portable TV's, lighting, camcorders, small power tools and more.

- Converts 12 Volt Battery Power to 110 Volts AC up to 150 Watts
- On the Road Power – Use with digital cameras, MP3 players, game consoles, portable DVD players and more
- Extruded Aluminum Case
- High Surge Capacity
- Power / Status LED Indicators
- Standard 110V AC Receptacle
- Output Short & Input Polarity Protection
- Low Battery Shutdown
- Over Temperature and Overload Protection

Patented Universal Cupholder Design

ORDER NO.	Mfr. No.	Surge Capability	Input	Output	Output Frequency	Battery Low Alarm/Shutdown	Size	Cable Length
001-79018	79018	250W	12VDC	110V AC	60Hz	10.5 V DC/10V DC	6"(L) x 2.625"(W)	3 ft.

WATERPROOF CHARGING ACCESSORIES

Handheld DC System Tester

- At-a-glance testing of batteries, on-board charger, alternator/ regulator output
- 6 Easy-to-read LED indicators
- Compact, lightweight design

ORDER NO. 001-87710
Mfr. No. 87710

Handheld Digital Multi-Meter

- Large digital LCD display
- Back light feature
- Test leads included
- Measurement hold feature
- Built in EZ stand
- Continuity tone alert

ORDER NO. 001-87730
Mfr. No. 87730

Remote Battery Bank Status Indicator

- Remote "Push to Test" status indicators for up to 3 batteries with easy-to-read LED indicators
- Display is universal flush or surface mount capable

ORDER NO. 001-51060
Mfr. No. 51060

For more information see: www.promariner.com

PANTHER™

HAND HELD PORTABLE BATTERY GAUGE

Battery gauge allows you to determine the exact amount of charge remaining in your batteries.

The portable battery gauge stores easily for quick and easy use whenever it is needed. It is perfect for any boating, automotive, or industrial use, and can be used with all standard and deep cycle 12 volt lead acid batteries.

ORDER NO. 934-12500
Mfr. No. 55-6000

For more information see: www.panthermarineproducts.com

TRUEPOWER PLUS SERIES INVERTERS
Heavy Duty Marine, Mobile and Industrial Grade Inverters

Designed to convert 12V DC battery power to 115V AC and will automatically pass through AC Inlet when present.

- Intuitive dual colour digital LCD message center
- Dual colour gauges for AC power output and battery DC input
- Internal 30 amp AC transfer switch will automatically pass through AC inlet power when present
- USB power port and GFCI convenience outlets
- Compact and lightweight design
- Soft start noise filtered technology
- On/Off remote with 9 ft. cable and DC cable covers included
- Integrated AC power cable strain reliefs for ease of installation
- Built-in safety with overload, over temperature, short circuit and reverse polarity protection
- Audible alarm and shut down for low and hign DC voltage, overload and over temperature conditions
- Shock resistant construction with internal conformal coated electronics
- 2 year warranty

Display Functions
Indicates percentage of AC power being used verses output rating. The scale turns red when output demand exceeds output rating

Included Remote
- On/Off Control
- Input power source LED indicators
- Check fault LED indicator
- Remote mounting screws and 9 ft. cable included

Model	TruePower Plus 1000ps	TruePower Plus 2000ps	TruePower Plus 1200ms	TruePower Plus 1500ms	TruePower Plus 2000ms
	Pure Sine Wave	Pure Sine Wave	Modified Sine Wave	Modified Sine Wave	Modified Sine Wave
CC Part No.	001-07100	001-07200	001-06120	001-06150	001-06200
Mfr. No.	07100	07200	06120	06150	06200
Wattage	1000 Watts	2000 Watts	1200 Watts	1500 Watts	2000 Watts
Surge Rating	2000 Watts	4000 Watts	2400 Watts	3000 Watts	4000 Watts
Surge Wave	Pure	Pure	Modified	Modified	Modified
Efficiency (optimum)	>90%	>90%	>90%	>90%	>90%
AC Output	115V AC 60Hz	115V AC 60Hz	115V AC 60Hz	115V AC 60Hz	115V AC 60Hz
Internal AC Transfer Switch	30 Amps	30 Amps	30 Amps	30 Amps	30 Amps
AC Crossover Time	<30 ms	<30 ms	<30 ms	<30 ms	<30 ms
DC Input	11-15V DC	11-15V DC	11-15V DC	11-15V DC	11-15V DC
Inverter Off DC Amp Draw	4 mA	4 mA	4 mA	4 mA	4 mA
Dimensions	4" x 9.9" x 11.5"	4.5" x 10.6" x 11.5"	4" x 9.9" x 11.5"	4" x 9.9" x 11.5"	4.5" x 10.6" x 11.5"
Weight	7.3 lbs.	9.0 lbs.	7.3 lbs.	7.3 lbs.	9.0 lbs.

TRUEPOWER INVERTER REMOTE

ProMariner TruePower Standard Remote for 600 800 1000 & 1200 watt TruePower inverters.

ORDER NO. 001-05121
Mfr. No. 05121

BATTERY ISOLATORS
ProMariner™ Battery Isolators with gold-plated terminals & improved efficiency, provide enhanced charging

Rated for use with DC devices ranging from 10 amps to 130 amps.

- Rated for use with DC devices ranging from 10A to 13A
- One or two alternators can be connected multiple battery banks
- Allows electric current to flow in one direction only
- Batteries will not discharge into undercharged batteries

ORDER NO.	Mfr. No.	Configuration	Max. Current
001-17020	01-70-2*	1 Alt., 2 Batt.	70 amp
001-17030	01-70-3*	1 Alt., 3 Batt	70 amp
001-27020	02-70-2	2 Alt., 2 Batt	70 amp
001-27030	02-70-3	2 Alt., 3 Batt	70 amp
001-13020	1-130-2*	1 Alt., 2 Batt	130 amp
001-13030	1-130-3*	1 Alt., 3 Batt	130 amp
001-21302	2-130-2	2 Alt., 2 Batt	130 amp
001-21303	2-130-3	2 Alt., 3 Batt	130 amp

* Goldplated terminals

ProSafe FS GALVANIC ISOLATOR SERIES
FailSafe Technology with Peace of Mind Dependability

Fail Safe CERTIFIED

Zinc Saving Technology

The ProSafe FS Series of FailSafe 30 Amp Galvanic Isolators will interrupt galvanic current flow with other boats at a marina when installed on a boat which is connected to AC Shore Power. This technology maintains AC safety ground and solves the most common forms of corrosion and premature zinc loss within a boats bonding system. The ProSafe FS Series is UL Certified to meet the parameters of the ABYC A-28 recommendation published July 31, 2008.

MARINE CE UL LISTED

Galvanic Isolator 3GF1

ProSafe FS installs easily and does not require a dedicated monitor to verify the operational status of the galvanic isolator as required by non-Failsafe Certified galvanic isolators. The ProSafe 30 Amp model is built on robust Flat Pack Semiconductor platforms, ensuring that in the event of a failure, the failure is safe by not compromising the ground continuity on-board when connected to AC Shore Power.

- **ABYC A-28 July '08 Compliant and Fail Safe Certified**
  Certified by Underwriters Laboratories (UL). Insures shore power safety ground wire is maintained through the isolator
- **Flat Pack High Power Semiconductors**
  Robust high power diodes allow the FS Series to meet the new FailSafe criteria for conducting inrush currents of 3,000 and 5,000 amps (FS30 respectively) for the required duration period
- **Ignition Protected**
  Meets ISO 8846 and can be mounted within an engine compartment
- **Gold Plated Terminations**
  Use ProSafe FS30 for 30 amp shore power applications

ORDER NO.	Mfr. No.	Description	Shore Cord Inlet Compatibility	Rating VAC/AMPS/Hz	Max. Temp.	Dimensions	Wgt.
001-22034	22034	ProSafeFS30	Single 15, 16, 20 or 30	120/240 VAC/41A/50 or 60Hz	50˚C	6.75" x 7" x 2.5"	3 lb.

ProMariner™

For more information see:
www.promariner.com

samlexamerica

EVOLUTION™ SERIES INVERTER/CHARGERS Pure Sine Wave

- Fully programmable
- 4 Stage Battery Charger w/ Equalization
- 2 Separate AC Inputs for Shore Power & Generator
- Zero Transfer Time from Inverter to Shore Power
- High Surge 3X with Power Boost Allowance
- DC Input for a Solar Charge Controller

COMPLETE POWER SOLUTION

ORDER NO.	MFR. NO.	INPUT	SIZE	BATTERY CHARGER
525-12212	EVO-2212	12 VDC	2200W	100A
525-13012	EVO-3012	12 VDC	3000W	130A
525-12224	EVO-2224	24 VDC	2200W	70A
525-14024	EVO-4024	24 VDC	4000W	110A
525-10000-RC	EVO-RC: 2200 & 3000W models. 33' cable.			

EVO-2212

EVO-RC

Automatically transfers between different power sources – generator, shore, batteries and solar.

PST SERIES INVERTERS PURE SINE WAVE

- Silent Operation – temperature controlled cooling fan runs quietly and reduces energy consumption
- Low Interference – won't disrupt the reception of your TV, radio or audio equipment
- Two GFCI Protected Outlets • Identical to household electricity

HEAVY DUTY

ORDER NO.	MFR. NO.	INPUT	SIZE
525-20600-12	PST-600-12	12 VDC	600W
525-20600-24	PST-600-24*	24 VDC	600W
525-20600-48	PST-600-48*	48 VDC	600W
525-22000-12	PST-2000-12*	12 VDC	2000W
525-23000-12	PST-3000-12*	12 VDC	3000W
525-20015-A	RC-15A: 600 & 1000W models. 15' cable.		
525-20300	RC-300: 3000W models. 25' cable.		

**Hard wireable*

PST-22000-12

SSW SERIES INVERTERS Pure Sine Wave

- Compact & lightweight
- High surge: 2X continuous power
- Soft start and cool surface technology
- 1000, 1500, 2000 Watt models have two GFCI protected outlets
- Protections: Thermal, battery overload, short circuit & earth fault overload.

ON THE GO

ORDER NO.	MFR. NO.	INPUT	SIZE
525-30350-12A	SSW-350-12A†	12 VDC	350W
525-30600-12A	SSW-600-12A†	12 VDC	600W

**Includes remote, †USB Charging Port*

SSW-R1-12B

SAM SERIES INVERTERS Modified Sine Wave

- Compact & lightweight design
- Soft start & cool surface technology
- Safety certified with protections for thermal, battery overload, short circuit & earth fault.

BUILT TOUGH

ORDER NO.	MFR. NO.	INPUT	SIZE
525-40100-12	SAM-100-12†	12 VDC	100W
525-40450-12	SAM-450-12†	12 VDC	450W
525-41000-12	SAM-1000-12	12 VDC	1000W
525-42000-12	SAM-2000-12	12 VDC	2000W
525-43000-12	SAM-3000-12	12 VDC	3000W
525-40000-RC	SAM-RC: 1000-3000W models. 10' cable.		

†USB Charging Port

SAM-RC

SAM-1000-12

SMART BATTERY CHARGERS

Keep your batteries healthy, save on replacement costs.

- 3 Stage Charging, Temperature Compensation
- Adjustable for any lead acid battery type
- Volt/Amp meters for monitoring
- Quickly and safely charges your batteries

SEC-1215UL

ORDER NO.	MFR. NO.	INPUT	OUTPUT	CHARGING CURRENT	# OF BANKS
525-61215-UL	SEC-1215UL	120 VAC	12 VDC	15A	3
525-61250-UL	SEC-1250UL	120 VAC	12 VDC	50A	2
525-62440-UL	SEC-2440UL	120 VAC	24 VDC	40A	2
525-60900-RC*	9900-RC	Optional Remote Control.			

For use with 50 & 40 amp models. Comes with 33' cable

BATTERY ACCESSORIES

BG-40

BATTERY GUARD

- Batteries last longer
- Prevents damage to connected components
- Prevents excessive discharge of batteries

BW-03

BATTERY MONITORS

Intelligent, microprocessor based battery voltage monitors

- Programmable alarm thresholds
- Audio alarm at high and low voltage levels
- BW-03 can monitor two batteries

ORDER NO.	MFR. NO.	TYPE	AMPS
525-60040	BG-40	Battery Guard	40
525-60060	BG-60	Battery Guard	60
525-60003	BW-03	Battery Monitor	N/A

DC-DC STEP DOWN CONVERTERS

SDC-5

NON-ISOLATED AND DESIGNED FOR HEAVY DUTY APPLICATIONS.

- Advanced switch mode design
- Compact, light weight and can be mounted in almost any location
- Over voltage, short circuit and reverse polarity protection

ORDER NO.	MFR. NO.	INPUT	OUTPUT	AMPS
525-80005	SDC-5	20-35 VDC	13.8 VDC	5
525-80012	SDC-12	20-32 VDC	13.6 VDC	12
525-80030	SDC-30	20-32 VDC	13.8 VDC	30

INVERTER INSTALLATION KITS

Connect your inverter to a battery bank SAFELY & SIMPLY.

ORDER NO.	MFR. NO.	FUSE	INVERTER
525-51000-KIT	DC-1000-KIT	100A	600 - 1000W
525-52000-KIT	DC-2000-KIT	200A	1000 - 1700W

***Choose your kit based on the size of your inverter.**

SOLAR CHARGING KITS

These kits contain all the parts you need to start using solar in a few easy steps.

ORDER NO.	MFR. NO.	SOLAR PANEL
525-70100-30A	SRV-100-30A	100W
525-70150-30A	SRV-150-30A	150W

PORTABLE SOLAR CHARGING KITS

Take solar with you. Easy to use!
Just unfold, clamp to your battery and start charging.

MSK-90

ORDER NO.	MFR. NO.	SOLAR PANEL	CHARGE CONTROLLER
525-70090	MSK-90	90W	10A

MINN KOTA

PRECISION ON-BOARD CHARGERS - For the Long Haul

Minn Kota chargers are digially designed to deliver just the right amount of power every time you plug in. No more. No less. Just a longer-lasting, better-performing battery.

FEATURES:

- Automatic Multi-Stage Charging
- Automatic Temperature Compensation
- AC Plug Holder
- LED Status Display
- Rugged, Waterproof, Vibration-Resistant Construction
- Saltwater Tested - Corrosion Resistant Construction
- Low-Line Voltage Compensation
- Battery Equalization
- Custom Charging
- Battery Selection By Bank
- Digital Control

NEW!

SPECIFICATIONS:

For use with 12-, 24-, 36- and 48-volt systems with 12V/6 cell batteries that are Flooded/Wet Cell, Maintenance Free, Starved Electrolyte (AGM/HP AGM), Gel or Lithium (Check Battery Specifications)

- FCC Compliant, CEC Compliant
- Designed to UL 1236 marine standard

718-33452

718-33452

ORDER NO.	Mfr. No.	DESCRIPTION	WIDTH	LENGTH	HEIGHT	# OF BANKS	OUTPUT PER BANK (Amps)	TOTAL OUTPUT (Amps)	RECOVERY TIME* (Hours)
718-31061	1831061	MK 106PC On-Board Charger	4"	9.75"	3.5"	1	6	6	10-12
718-31101	1831101	MK 110PC On-Board Charger	4"	9.75"	3.5"	1	10	10	4-6
718-32121	1832121	MK 212PC On-Board Charger	5.75"	9.75"	3.5"	2	6	12	10-12
718-32201	1832201	MK 220PC On-Board Charger	5.75"	9.75"	3.5"	2	10	20	4-6
718-32302	1832302	MK 230PC On-Board Charger	7.75"	9.50"	3"	2	15	30	3-5
718-33181	1833181	MK 318PC On-Board Charger	7.75"	9.75"	3.5"	3	6	18	10-12
718-33301	1833301	MK 330PC On-Board Charger	7.75"	9.75"	3.5"	3	10	30	4-6
718-33452	1833452	MK 345PC On-Board Charger	9.50"	11"	3"	3	15	45	3-5
718-34401	1834401	MK 440PC On-Board Charger	9.75"	9.75"	3.5"	4	10	40	4-6
718-34602	1834602	MK 460PC On-Board Charger	9.50"	14.50"	3"	4	15	60	3-5
718-35500	1835500	MK 550PC On-Board Charger	9.75"	11.75"	3.5"	5	10	50	4-6

DIGITAL ON-BOARD CHARGERS - Get Back Out There

Get into the digitally-controlled charger game with our Digital on-board series. They're fast and accurate, so you get back on the water sooner and stay out there longer.

FEATURES:

- Digital Control
- Automatic Multi-Stage Charging
- Automatic Temperature Compensation
- Status Code Display
- True-Rated Output
- AC Plug Holder
- Rugged Waterproof Construction

SPECIFICATIONS:

- For use with 12-, 24-, 36- and 48-volt systems with 12V/6 cell batteries that are Flooded/Wet Cell, Maintenance Free or Starved Electrolyte (AGM) only
- Short circuit, reverse polarity, arc and ignition protected
- FCC Compliant
- UL listed to marine standard 1236

DIGITAL ON-BOARD CHARGER Product Specifications

ORDER NO.	Mfr.No.	DESCRIPTION	LENGTH	WIDTH	HEIGHT	# OF BANKS	OUTPUT PER BANK (Amps)	TOTAL OUTPUT (Amps)	RECOVERY TIME* (Hours)
718-21065	1821065	MK 106D On-Board Charger	8-3/4"	4-3/4"	3"	1	6	6	10-12
718-22105	1822105	MK 210D On-Board Charger	11-1/2"	7-1/2"	4"	2	5	10	10-12
718-22205	1822205	MK 220D On-Board Charger	13-1/2"	7-1/2"	4"	2	10	20	4-6
718-23305	1823305	MK 330D On-Board Charger	16-1/4"	7-1/2"	4"	3	10	30	4-6
718-24405	1824405	MK 440D On-Board Charger	11-3/4"	6-3/4"	8"	4	10	40	4-6

**** Approximate time to restore deep cycle batteries at 60% discharge.***

718-22205

718-23305

718-24405

For more information see:
www.minnkotamotors.com

DC ALTERNATOR ON-BOARD CHARGERS - An Extra Jolt

Get an extra boost of power and better battery life. Our Alternator chargers use charge-on-the-fly technology to redirect excess power from your alternator to your trolling batteries.

FEATURES:
- Charge-On-The-Fly Technology
- Battery Protection
- LED Display
- Waterproof Construction

SPECIFICATIONS:
For use with 12-, 24- and 36-volt systems with 12V/6 cell batteries that are Flooded/Wet Cell, Maintenance Free or Starved Electrolyte (AGM) only.
- Minimum Alternator Output: MK 1 DC is 12 amp min
  MK 2 DC is 25 amp min
- FCC Compliant

DC ALTERNATOR ON-BOARD CHARGER Product Specifications

ORDER NO.	Mfr. No.	DESCRIPTION	LENGTH	WIDTH	HEIGHT	WEIGHT	# OF BANKS	OUTPUT PER BANK** (Amps)	TOTAL OUTPUT** (Amps)	RECOVERY TIME* (Hours)
718-21031	1821031	MK 1 DC Single Bank Charger	7"	7-1/4"	3-1/2"	5 lbs.	1	10	10	***
718-21032	1821032	MK 2 DC Dualbank Charger	10-1/2"	7-1/4"	3-1/2"	6.5 lbs.	2	10	20	***

**** Appropriate time to restore deep cycle batteries at 60% discharge. **Dependent on alternator output***
****** Dependent on alternator output and amount of time engine runs.***

718-21031

718-21032

PORTABLE CHARGER - Take It With You

TAKE IT WITH YOU
Bring the action right to your boat with an easy-to-use portable charger. Features Automatic Multi-Stage Charging to keep you on the water longer and is designed to extend the overall life of your batteries.

FEATURES:
- Automatic Temperature Compensation
- Automatic Multi-Stage Charging
- Digital Control
- LED Display

MARINE C UL US LISTED

SPECIFICATIONS:
For use with 12V/6 cell batteries that are Flooded/Wet Cell, Maintenance Free or
Starved Electrolyte (AGM) only
- Short circuit, reverse polarity, arc and ignition protected
- FCC Compliant
- UL listed to marine standard 1236

718-30110

REDESIGNED

PORTABLE CHARGER Product Specifications

ORDER NO.	Mfr.No.	DESCRIPTION	LENGTH	WIDTH	HEIGHT	# OF BANKS	OUTPUT PER BANK (Amps)	TOTAL OUTPUT (Amps)	RECOVERY TIME* (Hours)
718-30110	1830110	MK 110PD Portable Charger	7"	9"	7-3/4"	1	10	10	4-6

**** Approximate time to restore deep cycle batteries at 60% discharge.***

MKR-21 AC POWER PORT

This convenient adapter allows quick thru-hull connections to an AC extension cord.
- With no cutting or splicing required – using the male AC plug from any of our chargers
- The watertight cover and gasket prevent corrosion on the AC plug when it isn't in use

ORDER NO. 718-65108 Mfr. No.1865108

MARINCO

1.5 AMP ChargePro® MAINTAINER

Keep your battery charged with this highly reliable, Guest 1.5 Amp maintainer. Extends battery life and will charge, monitor and re-charge your battery if the voltage drops below 12.9V. The maintainer can be safely connected to the battery for short or long periods of time. To increase versatility the maintainer comes with alligator clips and ring terminals for the output cable. The maintainer will charge smaller batteries and maintain batteries up to 125Ah (group 31).

- Ideal for sport fishing boats, ski boats, jet ski's, ATV's, automobiles, tractors, riding lawn mowers and more
- For Wet, Gel and AGM batteries
- Charge batteries 1.2 Ah to 40Ah
- Maintain batteries 1.2Ah to 125Ah
- Energy savings mode automatically shuts off the charger when the battery is charged. The charger periodically monitors the battery and turns back on when the battery falls below 12.9V
- Maintainer can safely stay connected to the battery for long periods of time
- LED's let you know when the power is ON, battery is being charged and when charging is complete
- Includes ring terminals and alligator clips for connection to the battery
- Weather resistant, IP65
- 3-Wire AC plug, NEMA 5-15P
- 3 Year Warranty
- Meets UL 1236 and CSA Standards, cETLus

ORDER NO.	Mfr.No.	Output Volts	Output Amps	Banks	Cable Length	Size	Weight	AC In
102-27010	2701A	12V DC	1.5 Amps	1	6'	5.0" x 5.8" x 2.0"	2.3 lbs.	120V AC 60Hz

PROSPORT 1.5 AMP
Fully Automatic Battery Maintainer & Charger

ProMariner™

Ideal for personal watercraft, recreational ski and wake boats, ATV's, tractors and more.
Designed for maximum utility. Concealed mounting holes allow the ProSport 1.5 to be installed on-board or to be used as a portable, with rear die cut foam resting pad. Ring terminal and DC clamp quick connect cable assemblies included. Marine grade design is weatherproof, water resistant to IP 65 and can be used in all fresh and salt water outdoor and indoor applications as needed. Designed to keep 12 volt batteries fully charged during short or long term storage periods. ProSport's Energy Saver mode will monitor and auto maintain a battery when needed to maintain a full state of charge. Significantly reduces AC power consumption, lowers operating costs and maximizes reserve power performance.

- Fully automatic energy saving design
- Multi-use design, easily configures for on-board or portable use
- Concealed mounting holes and die cut foam resting pad for portable use
- Expanded LED display for Power, Charging and Auto Maintain status
- Maintain 12 volt lead acid (sealed & vented) batteries up to 150 amp hours
- Quick connect DC clamp & ring terminal assemblies
- Weatherproof and water resistant to IP65
- Built-in safety with reverse polarity, short circuit, temperature and ignition protection
- Pre-wired for easy installation
- 3 year warranty

Expanded LED Status Center

Model	ProSport 1.5 Amp Battery Maintainer Charger
	Pure Sine Wave
ORDER NO.	001-44001
Mfr. No.	44001
Battery Type	12V Lead Acid (Sealed & Vented)
Volts	12V DC
Amps	1.5
Banks	1
Auto Maintain	Monitored Float Range 12.9V DC to 13.4V DC
AC In	120V AC 50/60Hz
Cable Length	6'
AC Plug	3-Wire, NMEA 5-15P
Dimensions	5.0" x 5.75" x 1.97"
Weight	2.3 lbs.

GUEST CHARGEPRO™

GUEST CHARGEPRO™ ON-BOARD BATTERY CHARGERS FOR 12, 24, 36 AND 48 VOLT SYSTEMS (MODEL SPECIFIC)

Guest On-Board battery chargers have been redesigned from the inside out to provide optimum performance. Our newest generation On-Board Marine battery chargers include leading advancements in digital charging technology and waterproof design/construction. Designed to maximize individual battery performance, extend battery life and show battery status better than ever before. Every Guest charger has dedicated battery charging, sensing and control per bank. The easy to read graphics indicate the status of each battery bank through the charging process. ChargePro's low profile flangeless extruded aluminum housing is sealed by gaskets with heavy duty end caps for 100% waterproof performance to IP67.

This new construction design delivers an increase in charging and thermal management performance. The new ChargePro Series is up to 40% lighter while increasing durability and ease of installation over prior generations of older technology epoxy filled plastic body chargers.

- All high frequency, digital charging technology
- Microprocessor and software control for precision, fully automatic 5-stage performance charging
- Fully automatic 5-stage performance charging
- Dedicated battery charging, sensing and control per bank
- Expanded LED charge status monitor
- Wiring and battery fault detection
- Auto-maintain energy saver mode
- Up to 40% lighter
- 100% Waterproof (IP67) and shock resistant for all fresh and saltwater applications
- All models are pre-wired for easy installation
- For all 12 volt flooded and AGM lead acid batteries
- Built-in safety: reverse polarity, over-current, over-voltage, over-temperature and ignition protection. In-line fuses for maximum DC wire protection.
- 2 year warranty

Certified to: UL STD 1236, CSA C22.2 No. 107.2, FCC Class B | IP67 | Energy Saving Technology | Designed and Constructed to: ABYC-31

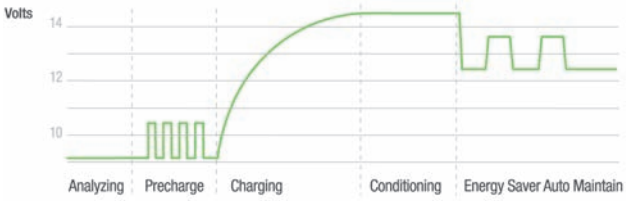
102-2707A

Heavy-Duty Strain Reliefs

102-2713A

In-Line Safety Fuses

Fully Automatic Multi-Stage Performance Charging Overview



ChargePro's 5-Stage Performance Charging algorithm is fully automatic & designed to maximize battery performance & extend battery life.

Stage 1 - Analyze Mode: AC Power is applied. ChargePro's red Charging LED will flash indicating it is analyzing individual wiring connections for proper connection/polarity and that each battery is over 4.0V DC and capable of accepting a precharge. When completed any errors will trip a battery specific red fault LED, or if no faults are present the red Charge LED will illuminate solid red.

Stage 2 - Precharge Mode: For batteries under 10 volts, this mode is designed to pulse the battery up to 10 volts before accepting full rated constant current (Stage3). During this mode the red charging LED will be illuminated with a solid on.

Stage 3 - Charging Mode Constant Current: During this mode the red charging LED will be illuminated with a solid on indicating each battery is being charge in constant current mode as controlled by temperature until the battery voltage is raised to a precise 14.6 volts DC and the red Charging LED will shut off.

Stage 4 - Conditioning Mode Constant Voltage: During this mode the amber Conditioning charging LED will be solid on indicating each battery is being conditioned at 14.6 volts for up to 3 hours until the battery is fully charged. Followed by the amber LED turning off while the charger enters into Stage 5.

Stage 5 - Auto Maintain Mode:

During this mode the blue AC Power and green Auto Maintain LED will be solid on indicating each battery is being monitored while the charger is in standby mode consuming little to no power until the battery drops under 12.8 volts (fully charged) and the charger will turn on and auto maintain the battery in a fully charged state. This is fully automatic and safe for short and long term storage.

ORDER NO.	Mfr.No.	Amps	Amps per Banks	Banks	Input Voltage	DC System Voltage	AC and Cord Length	Size (W x H x L)	Weight lbs.
102-2708A	2708A	5	5	1	90-135V AC 50/60Hz	12	6'	7.5" x 2.4" x 7.2"	3.2
102-2707A	2707A	4/4	4	2	90-135V AC 50/60Hz	12/24	6'	7.5" x 2.4" x 9.0"	4.5
102-2710A	2710A	10	10	1	90-135V AC 50/60Hz	12	6'	7.5" x 2.4" x 9.0"	4.2
102-2711A	2711A	5/5	5	2	90-135V AC 50/60Hz	12/24	6'	7.5" x 2.4" x 9.0"	4.7
102-2713A	2713A	5/5/5	5	3	90-135V AC 50/60Hz	12/24/36	6'	7.5" x 2.4" x 12.9"	6.7
102-2720A	2720A	10/10	10	2	90-135V AC 50/60Hz	12/24	6'	7.5" x 2.4" x 12.9"	6.6
102-2731A	2731A	10/10/10	10	3	90-135V AC 50/60Hz	12/24/36	6'	9.0" x 4.1" x 8.7"	8.0
102-2740A	2740A	10/10/10/10	10	4	90-135V AC 50/60Hz	12/24/36/48	6'	9.0" x 4.1" x 8.7"	8.5

BLUE SEA SYSTEMS

P12 BATTERY CHARGERS

The P12 Battery Charger is a four stage, three output, dry mount device designed for use in harsh environments where reliability, ease of use, and high performance are of primary importance. Backed by a 5-year warranty and technical phone support, the P12 Battery Charger is designed, assembled, and tested at Blue Sea Systems' headquarters.

738-75320

Designed to meet these three core company philosophies:

1. Reliability
- Rugged, finned aluminum case
- Universal line voltage 90-265V AC, 50/60 Hz
- PreFloat™ stage prevents over charging by allowing each battery to end absorption stage individually
- Power factor corrected for efficient use of AC

2. Ease of Use
- Intuitive diagnostic screens
- User selectable charge profiles for Lead Acid, Gel, AGM, TPPL, & other battery types
- Provides charging for up to three battery banks
- Large, bright display
- Multi-language: English, French, German, Italian, Spanish
- Charge coordination with Blue Sea Systems Automatic Charging Relays (ACR) controls ACR state ensuring proper float stage for each battery.

3. Support and Safety
- Factory technical support
- 5 year warranty
- Ignition protected
- AC over & under voltage shut down & automatic restart
- Over and under battery temperature protection
- DC over voltage and reverse polarity protection
- Surge & short circuit protection

Regulatory:
Designed and constructed for compliance to UL-1236 Marine, CSA 22.2 No. 107.2, and ABYC A-31 standards.
Ignition Protection per ISO 8846, and SAE J1171.
Meets FCC Part 15, Class B requirements.

IGNITION PROTECTED

Specifications:	7531	7532
Total Output Current	25A	40A
Input AC Current	4.5A @ 100V AC 2.25A @ 200V AC	7.5A @ 100V AC 3.75A @ 200V AC
Recommended Battery Bank Sizes*	160Ah Minimum 60Ah Minimum 330Ah Maximum	60Ah Minimum 60Ah Minimum 440Ah Maximum
Nominal Output Voltage	12V DC	12V DC
Ignition Protected	Yes	Yes
Output Connections	3 positive, 1 negative	3 positive, 1 negative
Universal AC Input Voltage	90V-265V AC	90V-265V AC
AC Input Frequency Range	45-65 Hz	45-65 Hz
Typical Float Voltage	13.5V DC	13.5V DC
Maximum Available Voltage	16.0V DC	16.0V DC
Output Voltage Accuracy	0.05V DC	0.05V DC
Operating Temperature	-20˚C (-4˚F) to 70˚C (58˚F)	-20˚C (-4˚F) to 70˚C (58˚F)
Storage Temperature	-30˚C (-22˚F) to 80˚C (176˚F)	-30˚C (-22˚F) to 80˚C (176˚F)
Warranty	5 Year	5 Year
Battery Types**	Flooded Lead Acid, Gel, AGM, TPPL	Flooded Lead Acid, Gel, AGM, TPPL

ORDER NO.	Mfr. No.	Voltage	Amps
738-75310	7531	12V DC	25A
738-75320	7532	12V DC	40A

* Battery bank sizes are recommended for optimal charging efficiency-see bluesea.com/P12 for details
** Consult battery manufacturer specifications for other battery types to avoid damage
Do not mix battery chemistries

@ Have a Technical Question?

Contact our Technical Support Staff
email: techsupport@ccmarine.ca

P12 BATTERY CHARGER REMOTES

P12 BATTERY CHARGER LED REMOTE

Indicates battery charger stage and alerts as well as controlling basic battery charger functions.

LED Indicators

- **Charging:** Quick check for green light confirms charging
- **Charge Stage:** Displays charging stage
- **Equalize:** Indicates the charger is currently in equalization mode
- **Fan Mode:** Indicates charger's internal fan mode
- **Charge Output:** Displays the percentage of output current for each battery. Will also indicate maximum output setting when maximum output is adjusted to accommodate for AC source limitations.
- **Alert:** Provides warning and alert status for quick diagnostics

Four Control Buttons

- **Fan:** User adjustable settings
- **Dim/ Alarm:** Provides adjustment to brightness of LEDs on display as well as Silence function for alarms.
- **Output:** User adjustable charger output when AC source limitations exist that require lowering the AC current draw.
- **Standby:** Places P12 Battery Charger into standby mode

ORDER NO.	Mfr. No.	Voltage
738-75200	7520	12V DC

EV BATTERY CHARGER DISPLAY

P12 EV BATTERY CHARGING OLED DISPLAY REMOTE

Intuitive Battery Monitoring

The EV Battery Charger Display provides two options to monitor your battery banks. It can display a graphical representation of voltage for 1 to 3 battery banks with or without connection to a P12 Battery Charger. When connected to a P12 Battery Charger it can display the charger's Summary screen, displaying voltage, current charging stage, and faults from the charger.

- Drop in replacement for traditional rectangular displays
- Automatically detects 1-3 battery banks
- AC charge indication verifies that power is connected and the battery charger is charging
- Plain language fault indication relays if there is a fault with the battery charger
- Dip switch selectable screen configuration allows the display to show voltage bar graphs or the P12 Battery Charger summary screen
- Displays voltage bar graphs even when AC power is not present
- Optional standby mode shuts off screen after 4 hours of inactivity
- Automatic ON based on motion with integrated knock sensor
- Bright, daylight readable, OLED display

ORDER NO.	Mfr. No.
738-75170	7517

Specifications:

Accuracy:	± 1% @ 36 Volts DC
Battery Inputs:	3 with common reference
Display Size:	55mm x 28mm
Display Type:	Yellow OLED
Input Voltage Range:	6-36 VDC
Maximum Current Draw:	50mA
Minimum Current Draw:	<1mA in Standby Mode

Regulatory Specifications:

IP66

MINI-ADD-A-BATTERY PLUS KITS - 65A

A complete small boat battery management system. Charge two batteries at or away from the dock. For alternators up to 65A. Shore charge up to 10A.

Includes a Dual Circuit Plus™ Battery Switch 6011 a 3 Stage, 10 Amp charger with an integrated 65A Automatic Charging Relay, and a LED charger remote.

738-76550

6011, m series Dual Circuit Plus™ Battery Switch
- Switches two battery banks simultaneously while maintaining battery bank isolation
- Can combine two battery banks in the event of a low start battery
- Tin-plated copper studs for maximum conductivity and corrosion resistance
- IP66 Proteced against powerful water jets

BatteryLink® Charger
- Integrated ACR provides DC charging from engine alternator
- AC plug-in while at the dock
- Battery temperature compensation prolongs battery life
- Includes a remote LED indicator
- Start isolation protects sensitive electronics from voltage sags and spikes
- IP67 Protected against immersion up to 1 meter for 30 minutes
- CSA C22.2 No. 107.2-01
- FCC Part 15: Subpart B Compliant

ORDER NO.	Mfr.No.	Description	Plug Style
738-76550	7655	Mini Add-A-Battery Plus Kit	North American: NEMA 5-15P

7605

IGNITION PROTECTED

7608

BATTERYLINK® CHARGERS

Charge two batteries with shore power or the engine's alternator.

AC Charging at the dock:
Use AC shore power to charge two isolated battery banks with the 3 Stage battery charger

DC Charging away from the dock:
Share the DC power from the alternator with both the Start and the Auxiliary battery through the integrated ACR.
- Battery Temperature Compensation prolongs battery life
- Start isolation protects sensitive electronics from voltage sags and spikes
- Includes LED remote indicator for charge status at the helm
- Snap-on insulating cover
- One-piece stainless flange nuts ensure safe and secure connections

Regulatory
Designed and constructed for compliance to UL-1236 Marine, csa 22.2 No. 107.2, and ABYC A-31 standards. Ignition Protection per ISO 8846, and SAE J1171. Meets FCC Part 15, Class B requirements. IP67 - Protected against immersion up to 1 meter for 30 minutes.
Specifications subject to change. See bluesea.com for current information including dimensional drawings.

Specifications

Nominal Voltage	12V DC
Number of Output Connections	2 positive, 1 negative
Universal AC Input	100V-240V
Typical Float Voltage	13.5V DC
ACR Combine Voltage	13.5V
ACR Open Voltage	12.75V
Terminal Stud Size	1/4"-20 (accepts M6 ring terminal)
Max.Terminal Stud Torque	60 in-lb (6.78 Nm)
Quick Connect Terminal Size	1/4" x 0.032"
Battery Types	Flooded, AGM, TPPL
Plug Style	North American NEMA 5-15P

*Battery bank sizes are tested to California Energy Commission compliance (CEC). larger and smaller size banks could charge well, but consume slightly more power over the charging cycle.

ORDER NO.	Mfr.No.	Total Output Current	ACR Continuous
738-76050	7605	10A	65A
738-76080	7608	20A	170A

MINI ADD-A-BATTERY KIT - 65A

Simplifies switching and automates charging for a complete 65A, two battery bank solution for outboard powered boats. For alternators up to 65A.

The Mini Add-A-Battery Kit includes the **m** Series Dual Circuit Plus™ Battery Switch #6011 and the **m** ACR Automatic Charging Relay #7601. These components simplify switching and automate charging, so that all you have to do is turn the battery switch ON when you arrive and OFF when you leave. CE Marked

6011, m series Dual Circuit Plus™ Battery Switch
- Switches two battery banks simultaneously while maintaining battery bank isolation
- Can combine two battery banks in the event of a low start battery
- Tin-plated copper studs for maximum conductivity and corrosion resistance
- IP66 Proteced against powerful water jets

7601, m ACR Automatic Charging Relay
- Automatically combines battery banks when charging and isolates when discharging
- Dual Sensing senses charge on two battery banks
- Isolates batteries during engine cranking and when not charging
- Start isolation protects sensitive electronics from voltage sags and spikes
- Shares the charge between two batteries more efficiently than a battery isolator
- Allows efficient dual battery charging without needing regulator adjustment or rewiring
- IP67 Protected against immersion up to 1 meter for 30 minutes

ORDER NO. 738-76490 Mfr. No. 7649

738-76490

ADD-A-BATTERY KIT (DUAL CIRCUIT SYSTEM)

Simplifies switching and automates charging for a 120A, two battery bank solution for inboard and outboard powered boats. For alternators up to 120A.

The Add-A-Battery Kit includes the **e** Series Dual Circuit Plus™ Battery Switch #5511e and the **m** ACR Automatic Charging Relay #7601. These components simplify switching and automate charging, so that all you have to do is turn the battery switch ON when you arrive and OFF when you leave. CE Marked

5511e, Dual Circuit Plus™ Battery Switch
- Switches two battery banks simultaneously while maintaining battery bank isolation
- Can combine two battery banks in the event of a low start battery
- Tin-plated copper studs for maximum conductivity and corrosion resistance
- IP66 Proteced against powerful water jets

7610, 120 Amp SI (Starting Isolation) Automatic Charging Relay
- Automatically combines battery banks when charging and isolates when discharging
- Dual Sensing senses charge on two battery banks
- Isolates batteries during engine cranking and when not charging
- Start isolation protects sensitive electronics from voltage sags and spikes
- Shares the charge between two batteries more efficiently than a battery isolator
- Allows efficient dual battery charging without needing regulator adjustment or rewiring
- IP67 Protected against immersion up to 1 meter for 30 minutes
- ISO 8846 Marine

ORDER NO. 738-76500 Mfr. No. 7650

738-76500

MARINCO
BEP PRODUCTS

PRO INSTALLER 400 AMP MEDIUM BATTERY SWITCHES

Marinco by BEP is proud to introduce the new range of Pro Installer Battery Switches. The ergonomic, innovative, patent pending design provides intuitive operation. With attention to functionality and use, the Pro Installer switches offer superior installation flexibility, high power capacity and unmatched reliability while improved design and ergonomics provide clear intuitive operation. The industry standard footprint enables easy mounting into existing or new installations.

- Common interconnection height - ability to "cluster" with other Pro Installer products
- Standard industry footprint (3.85" x 3.85")
- 400 Amp Continuous
- (600A Intermittent, 1500A Cranking)
- Durable Construction
- Tinned copper 10mm (3/8") Studs
- Stainless steel washers/nuts
- Fiber reinforced plastics
- Waterproof to IP66
- Accepts large cables with multiple lugs
- Knob removable in the off position, allows isolation during service
- Choose between 3 mounting styles, (Surface, rear panel, front panel mounting options)
- Intuitive, ergonomic switch positioning
- Clear graphics indicate switch position
- Innovative nut retention allows use of metric or imperial fasteners
- Tested to UL 1107 ignition protection
- CE certified, Meets ABYC standards

PRO INSTALLER ON/OFF BATTERY SWITCH

A powerful new generation battery switch with outstanding performance and features for both the installer, and end user. Three mounting options: surface, rear panel, and front panel mounting, plus optimized cable access makes installation a breeze. Pro Installer switches set the new benchmark with outstanding ergonomics, intuitive look/feel, and are engineered from the finest materials to withstand the harsh marine environment.

ORDER NO. 770-07700
Mfr No. 770

PRO INSTALLER DOUBLE POLE BATTERY SWITCH

Same industry standard mounting with On/Off operation. Used where positive and negative supplies must be isolated at the same time.

SAFETY NOTE: BEP does not recommend this for switching house and start battery systems at the same time, for safety reasons. You may need to isolate your engine battery in an emergency, but not your house battery which typically powers the communications. For this application please use the new Dual Bank Control Switch (772-DBC) or one of BEP's battery switch clusters.

Note: 771-DP is replacing 720-DP

ORDER NO. 770-07702
Mfr No. 770-DP

PRO INSTALLER DUAL BANK CONTROL SWITCH

This innovative (Patent Pending) switch combines the functions of 3 battery switches into one (House, Start, and Emergency Parallel) to intuitively manage 2 battery banks and 2 loads. A unique safety position isolates one load e.g. House "On", Start "Off" in case of engine malfunction, so an emergency radio call can still be made. Significant savings in both space and installation cost can be made, without compromising functionality or safety.

ORDER NO. 770-07721
Mfr No. 772-DBC

PRO INSTALLER SELECTOR (771-S) & SELECTOR WITH FIELD DISCONNECT (771-SFD)

Power requirements on boats have increased, and these 2 Selector switches offer high power capacity (400 amps continuous), the ability to easily fit doubled cables, and conform to the industry standard mounting footprint (Guest, Perko, Blue Sea).
Please note selector switches will not separate electronics from harmful engine starting spikes.
Note: 771-S is replacing 721

ORDER NO. 770-07713
Mfr No. 771-S

ORDER NO. 770-07713-FD
Mfr No. 771-SFD
Note: (With Field Disconnect)
Protects the diodes in an alternator when the switch is turned to the "OFF" position.

ORDER NO.	Mfr.No.	In LxWxH	mm LxWxH	Rating (A DC) Cont	Inter	Crank	Voltage (V DC)	Operation	Stud Detail
770-07700	770	3.85"x3.85"x3.62"	98x98x92 mm	400	600	1500	48	On/Off	2x (3/8"/10mm)
770-07702	770-DP	3.85"x3.85"x3.62"	98x98x92 mm	2x 400	2x 600	2 x 1500	48	On/Off (x2)	3x (3/8"/10mm)
770-07713	771-S	3.85"x3.85"x3.62"	98x98x92 mm	400	600	1500	48	1-2-Both-Off	3x (3/8"/10mm)
770-07713-FD	771-SFD	3.85"x3.85"x3.62"	98x98x92 mm	400	600	1500	48	1-2-Both-Off	3x (3/8"/10mm)
770-07721	772-DBC	3.85"x3.85"x3.62"	98x98x92 mm	2x 400	2x 600	2 x 1500	48	1, 1/2, Parallel,Off	4x (3/8"/10mm)

PRO INSTALLER 400A EZ-MOUNT BATTERY SWITCHES

As easy as 1, 2, 3, these revolutionary battery switches allow you to wire from the front. Never has installation been so easy and cabling so accessible. With their shared interconnection height, EZ-Mount battery switches "cluster" directly with the Pro Installer Busbar Range, resulting in the fastest, most compact installations. All ratings, footprints and features of the EZ-Mount switch match the high quality of our standard switches:

- Tested to UL1107 ignition protection, CE
- Tinned copper 10mm (3/8") studs
- Stainless steel washers/nuts
- Fiber reinforced plastics
- 400A Continuous / 600A 5 mins Intermittent / 1500A 10 secs Cranking
- Waterproof to IP66
- Same interconnection height as Pro Installer
- Removable knob allows isolation during servicing
- 3 removable sideplates for protection
- Industry standard 3.85" x 3.85" footprint

770-07700-EZ

ORDER NO.	Mfr.No.	In LxWxH	mm LxWxH	Rating (A DC) Cont	Inter	Crank	Voltage (V DC)	Operation	Stud Detail
770-07700-EZ	770-EZ	3.85"x3.85"x3.64"	98x98x92 mm	400	600	1500	12-48	On/Off Single	2x (3/8"/10mm)
770-07702-EZ	770-DP-EZ	3.85"x3.85"x3.64"	98x98x92 mm	400	600	1500	12-48	On/Off Double	4x (3/8"/10mm)
770-07713-EZ	771-S-EZ	3.85"x3.85"x3.64"	98x98x92 mm	400	600	1500	12-48	1-2-Both-Off	3x (3/8"/10mm)
770-07721-EZ	772-DBC-EZ	3.85"x3.85"x3.64"	98x98x92 mm	400	600	1500	12-48	Dual Bank	4x (3/8"/10mm)

PRO INSTALLER 400A EZ-MOUNT ON/OFF BATTERY SWITCH 770-EZ

ORDER NO. 770-07700-EZ
Mfr No. 770-EZ

PRO INSTALLER 400A EZ-MOUNT DOUBLE POLE BATTERY SWITCH 770-DP-EZ

ORDER NO. 770-07702-EZ
Mfr No. 770-DP-EZ

PRO INSTALLER 400A EZ-MOUNT BATTERY SELECTOR SWITCH 771-S-EZ

ORDER NO. 770-07713-EZ
Mfr No. 771-S-EZ

PRO INSTALLER 400A EZ-MOUNT BATTERY DUAL BANK CONTROL BATTERY SWITCH 771-S-EZ

ORDER NO. 770-07721-EZ
Mfr No. 772-DBC-EZ

PRO INSTALLER SWITCH DIFFERENCE

Pro Installer Feature	EZ Mount	Standard Mount
EZ-est Wiring	X	
Surface Mount	X	X
Front Mount		X
Rear Mount		X
ON-OFF Single Pole	Model 770-EZ	Model 770
ON-OFF Double Pole	Model 770-DP-EZ	Model 770-DP
1-2, 1&2 Battery	Model 771-S-EZ	Model 771-S, 771-SFD
1, 1 & 2 Battery, Parallel	Model 772-DBC-EZ	Model 772-DBC

MARINCO
BEP PRODUCTS

BATTERY SWITCHES

- UV stable, impact and chemical resistant polycarbonate plastic
- Tin plated copper studs
- Removable side plates for ease of cable attachment
- Switches include removable back plate for flush mount applications
- Extra large cable access, up to 1/0 for the mini switch and 4/0 for the heavy duty

THE BEP ADVANTAGE

- Custom labels available for switch knobs
- Switches designed to modulate together for use with multiple battery banks
- Top rated by Power Boat Reports Magazine
- Can be flush or surface mounted
- All selector switches are **Make Before Break**
- Extensive OEM usage
- Tested to UL1107, meets ABYC and USCG Specifications, CE Approved

EASY FIT BATTERY SWITCH

Rated at 275A continuous and 1250A cranking for systems up to 48V. Designed to upgrade traditional post and lever type battery disconnect switches. Will fit in 7/8" hole through wall thickness of up to 3/4". Stud Size: 3/8"

700 2.75"L x 2.75"W x 4.25"D

ORDER NO. 770-07000

MINI BATTERY SELECTOR SWITCH

Rated at 200A continuous and 1000A cranking for systems up to 48V. Ideal for tight mounting situations on smaller boats. Will handle the cranking loads of any outboard engine on the market.

701S 2.75"L x 2.75"W x 3"D

ORDER NO. 770-07011

MINI BATTERY DISCONNECT SWITCH

Rated at 275A continuous and 1250A cranking for systems up to 48V. Switch features a removable knob in the "off" position to prevent unauthorized use of boat. Ignition protected.

701 2.75"L x 2.75"W x 3"D

ORDER NO. 770-07010

BEP MARINE MINI SELECTOR SWITCH WITH DUAL SENSE VSR

This system allows for dual battery charging using a battery selector switch. The dual sense VSR will allow the selected battery to be charged to 13.7V then close and charge the battery in isolation. When the engine is stopped and the voltage on the selected battery drops to 12.8V the relay opens and isolates the two banks. A simple battery management system and a great space saver for small boats.

714-140A-DVSR 2.75"L x 5.55"W x 3"D

ORDER NO. 770-07140

DIGITAL VOLTAGE SENSING RELAY

DVSR: Dual Battery Charging Made Easy

The Digital Voltage Sensing Relay (DVSR) allows the charging of a second battery bank from any single charging source. When the voltage on the charged bank rises sufficiently, the DVSR engages allowing the 2nd battery bank to charge. When charging stops and voltage falls, the DVSR automatically isolates the battery banks, ensuring that engine start batteries are kept fully charged. Digital circuitry provides superior reliability and extremely low power consumption.

- Safely charge two or more independent battery banks from one charge source (alternator, battery charger…)
- Charges engine starting batteries before combining auxiliary bank for charging
- Protects start batteries from becoming flattened by domestic loads
- Isolates electronics from harmful electrical surges from starter motors
- Simple to install 3 wire connection, leaves alternator wiring intact
- No volt drop vs. diode isolators
- Ignition protected
- Surface or panel mountable
- Replaces previous models 710-125A and 710-125A-DS

Dimensions: 2.75"L x 2.75"W x 2"H (69 X 69 X 50 mm)

Replaces 710-125A

2011 Digital Enhancements:

- Multi voltage, auto selects between 12 and 24V DC operation
- Digital circuits provide very low power consumption and enhanced performance
- Remote sensing circuitry allows optional connection from ignition switch, provides same functionality as single sense VSR and zero power consumption when engine is off
- Zero stand by current draw when remote sensing circuit utilized with storage mode switch fitted (switch in open position)
- Remote status LED output option

ORDER NO.	Mfr. No.	Volts	Rating (A) Continuous	Rating (A) Continuous	Engages (V DC)	Disengages (V DC)
770-71140	710-140A	12/24	125	140	13.4/26.8	12.8/25.6

BATTERY SELECTOR SWITCHES

Alternator field disconnect (AFD) allows selection of any position, including "off", without damage to alternator or electrical system. AFD is required on some electrical systems.

- Heavy-duty copper sweep contacts
- Positive click-stop on all positions
- "Make before brake" contacts allow selection of all positions except "off" while engine is running
- Use with 6, 12, 24 or 36 volt systems
- New design is easy to retrofit into existing hole patterns
- Built in skirt protects connections
- Surface or rear panel mounting
- Durable marine grade polycarbonate case
- 1 year limited warranty

UNIVERSAL MOUNT SWITCHES

102-02110

102-02111

Continuous Amps: 230
Momentary Amps: 345
Dimensions: 5"D x 2-3/4"H
Color Grey

ORDER NO.	Mfr. No.	Description
102-02110	2110A	Battery Selector Switch with AFD
102-02111	2111A	Battery Selector Switch without AFD

CRUISER SERIES SWITCHES

Battery Selector Switch with AFD
103-02100

Battery Selector Switch without AFD
103-02101

On/Off Switch without AFD
103-02102

Continuous Amps: 230
Momentary Amps: 345
Cable Lug Size: 3/8"
Dimensions: 5-1/2"D x 2-5/8"H
Color: Red

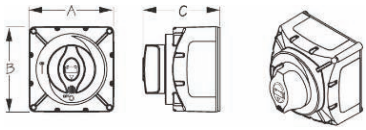
ORDER NO.	Mfr. No.	Description
103-02100	2100	Battery Selector Switch with AFD
103-02101	2101	Battery Selector Switch without AFD
103-02102	2102	On/Off Switch without AFD

For more information see: www.marinco.com

SEA-DOG® LINE
QUALITY MARINE GEAR

BATTERY SWITCH - HEAVY DUTY

Injection Molded Nylon w/ Machined Brass Contacts



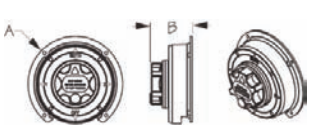
NEW!

ORDER NO.	Mfr. No.	A	B	C	Function	Volts	Amps	Stud Dia.
424-22766	422766-1	4"	4"	3-5/8"	Off/On	48	380	7/16"

The heavy duty battery selection switch has 380A continuous & 2000A cranking amps, giving it the power to start a large single or dual diesel engine. Can be surface or rear panel mounted. Ignition protected. Safe for installation on gasoline powered boats.
Installs with four #10 fasteners (not included).

BATTERY SWITCH

Injection Molded Nylon w/ Machined Brass Contacts



NEW!

424-22780
Dual

424-22781
Single

ORDER NO.	Mfr. No.	A	B	Function	Volts	Amps	Stud Dia.	Fastener
424-22780	422780-1	6-3/8"	2-1/2"	Off/1/Both/2	36	300	3/8"	#10 RH
424-22781	422781-1	6-3/8"	2-1/2"	On/Off (2 Output)	36	300	1/2"	#10 RH

Battery disconnect & selector switches either switch a single battery to a single load group (422780 & 422781)or isolates and/or combines two battery banks (422780). Can be surface or rear panel mounted. Ignition protected. Safe for installation on gasoline powered boats.
Installs with four #10 RH fasteners (not included).

For more information see: www.sea-dog.com

BATTERY SWITCHES

BLUE SEA SYSTEMS

m-SERIES BATTERY SWITCHES (Mini)

IGNITION PROTECTED

300 ampere Continuous Rating for outboards & small gasoline or diesel engines

- Ignition protected - Safe for installation aboard gasoline powered boats
- Case design allows surface, front panel, or rear panel mounting
- Isolating cover with snap-on sections protects rear contacts

Model No. 6004

Model No. 6005

Model No. 6006

ORDER NO.	Mfr. No.	Description	Colour
738-60040	6004	Single Circuit ON/Off Battery Switch w/ Locking Key	Red
738-6004200	6004200	Single Circuit ON/Off Battery Switch w/ Locking Key	Black
738-60050	6005	Single Circuit ON/Off Battery Switch w/Key	Red
738-60060	6006	Single Circuit ON/Off Battery Switch w/Knob	Red
738-60070	6007	Selector Battery Switch (4 Position)	Red
738-60080	6008	Selector Battery Switch (3 Position)	Red
738-6008200	6008200	Selector Battery Switch (3 Position)	Black
738-60100	6010	Dual Circuit Battery Switch	Red
738-60110	6011	Dual Circuit Plus™ Battery Switch	Red
738-79000	7900	Replacement Removable Key for #6005	
738-79030	7903	Replacement Removable Key for #6004	
738-7903200	7903200	Replacement Removable Key for #6004200	

Model No. 6007

Model No. 6008

Model No. 6008

Model No. 6010

Model No. 6011

e-SERIES BATTERY SWITCH

IGNITION PROTECTED

Up to 350 Amperes Continuous Rating for small inboard gasoline or diesel engines

- Ignition protected - Safe for installation aboard gasoline powered boats
- Case design allows surface or rear panel mounting
- Meets American Boat and Yacht Council (ABYC) requirements for battery switches

ORDER NO.	Mfr. No.	Description
738-90011	9001e	Selector Battery Switch, 4 position
738-90021	9002e	Selector Battery Switch w/AFD*, 4 position
738-90031	9003e	Single Circuit ON/Off Battery Switch
738-55111	5511e	Dual Circuit Plus™ Battery Switch

** Alternator Field Disconnect (AFD) protects the diodes in the alternator in the event of the switch being switched to the OFF position while the engine is running.*

Four Position Model 9001e

ON/OFF Model 9003e

Selector w/ AFD No. 9002e

Dual Circuit Plus 5511e

HD-SERIES BATTERY SWITCH (Heavy Duty)

IGNITION PROTECTED

Up to 600 Amperes Continuous Rating for large diesel engines

- Meets American Boat and Yacht Council (ABYC) requirements for battery switches
- Ignition protected - Safe for installation aboard gasoline powered boats
- Case design allows surface or rear panel mounting
- Accepts two 4/0 AWG (120mm^2) battery cables

ORDER NO.	Mfr. No.	Description
738-30000	3000	Heavy Duty Single Circuit ON/Off Battery Switch
738-30020	3002	Battery Switch Selector - 4 Position

Model No 3000

Model No 3002

For more information see: www.bluesea.com

BLUE SEA SYSTEMS

MEDIUM DUTY BATTERY SELECTOR DISCONNECT SWITCHES

IGNITION PROTECTED

PROTECTED BY THE FOLLOWING U.S. PATENTS;
DESIGN 260,637 - 4,280,028 - 4,424,424

For use with 12, 24 and 32 Volt Marine Electrical Systems
Capacity - 250 AMPS Continuous, 360 AMPS Intermittent

MAIN BATTERY DISCONNECT SWITCHES

Mfr. No. 9601DP Mfr. No. 9602DP

BATTERY SELECTOR SWITCHES

Mfr. No. 8501DP Mfr. No. 8502DP

For Dual Engine Systems, two switches are required.

ALTERNATOR FIELD DISCONNECT MODELS

Mfr. No. 8503DP Mfr. No. 8504DP

When used with Non-Unitized Alternators, these models will interrupt the field current (reducing the possibility of damage) if turned "OFF" with the engine running.

MARINE UL LISTED

STD 1107

CE

ORDER NO.	Mfr. No.	Description / Features	Diameter Inches	Depth Inches	Alternator Field Disconnect
Battery Selector Switches					
621-85010	8501DP	Standard	5-1/4"	2-5/8"	NO
621-85020	8502DP	With Keylock	5-1/4"	2-5/8"	NO
Alternator Field Disconnect Models					
621-85030	8503DP	Standard	5-1/4"	2-5/8"	YES
621-85040	8504DP	With Keylock	5-1/4"	2-5/8"	YES
Main Battery Disconnect Switches					
621-96010	9601DP	Standard	5-1/4"	2-5/8"	NO
621-96020	9602DP	With Keylock	5-1/4"	2-5/8"	NO

8511 SERIES - COMPACT MEDIUM DUTY BATTERY SWITCHES

- Requires 1/3rd less space to mount
- Higher rating than popular 8500 Series switches
- New smooth rotary action
- Popular 90° Easy to identify position rotation
- Ignition Protected
- For use with 12, 24 and 32 volt marine electrical systems
- Safety Seal Design prevents water intrusion
- Without key lock
- Without alternator field disconnect
- UL Listed Std. 1107

MARINE UL LISTED

STD 1107

Compact Main Battery Disconnect Switch
Mfr. No 9611DP

Compact Battery Selector Switch
Mfr. No 8511DP

ORDER NO.	Mfr. No.	Diameter	Depth
621-85110 / ea.	8511DP	4-3/4"	1-7/8"
621-96110 / ea.	9611DP	4-3/4"	1-7/8"

BLUE SEA SYSTEMS

ML-SERIES REMOTE BATTERY SWITCHES (Magnetic Latch)

- Includes ML-Series Remote Control Contura Switch 2145
- Manual control switch provides an added level of safety allowing control with or without power, and offering "Locked Off" capability for servicing
- 500 Ampere continuous rating for engine, inverter, house loads, and emergency battery combine
- Bi-Stable Magnetic latching draws no current in "ON" or "OFF" state, only draws current when changing state of switch
- Silver alloy contacts provides high reliability for switching live loads
- 3/8" -16 tin-plated copper studs for maximum conductivity and corrosion resistance
- 7/8" (22mm) stud length accepts multiple cable terminals
- Label recesses for circuit identification

738-77000

738-77020

738-77130

Regulatory:

- CE Marked
- Meets ISO 8846 MARINE and SAE J1171 MARINE external ignition protection requirements
- Waterproof rated IP66—protected against powerful water jets

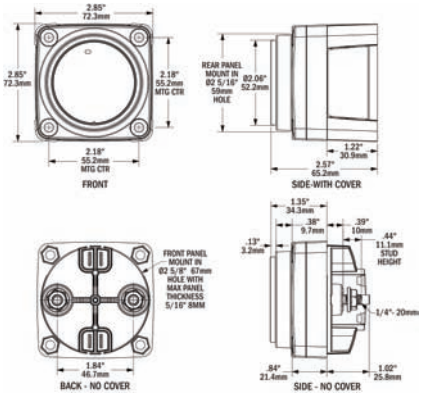
ORDER NO.	Mfr. No.	Nominal Voltage	Coil Function	Cable End	Remote Control Switch Current	Multi-Station Switching Cap.	Master Control Switch Cap.	Control Switch Included
738-77000	7700-BSS	12V DC	Bi-Stable	Stripped Wire	0 mA	Yes	-	2145, SPDT, (ON)-OFF-(ON)*
738-77020	7702-BSS	24V DC	Bi-Stable	Stripped Wire	0 mA	Yes	-	2145, SPDT, (ON)-OFF-(ON)*
738-77130	7713-BSS	12V DC	Auto-Releasing	Stripped Wire	<13 mA	-	Yes	2155, SPDT, ON-ON*

m-LVD LOW VOLTAGE DISCONNECT

Senses low battery voltage and automatically disconnects devices to save power for starting or to preserve battery life.

Features:

- Status light in both m-LVD and Remote Control Switch provides visual warning of low voltage state prior to disconnect
- Alarm output for audible warning of low voltage state prior to disconnect (optional alarm required)
- One-piece stainless flange nuts ensure safe and secure connections
- Remote Control Switch Functions:
  - **Disconnect voltage Adjustment** • Sets desired disconnect voltage
  - **Override** • Temporarily delays circuit disconnect for 10 minutes
  - **OFF** • Temporarily disconnects circuits until voltage rises
  - **Override or OFF** • Silences alarm (optional alarm required)
- Case design allows surface, front panel, or rear panel mounting
- Rear insulating cover protects rear contacts
- Waterproof – rated IP67 for temporary immersion
- Includes Remote Control Switch (#7928)



Specifications:

Intermittent Rating: 5 min. . . . . .115A (5 Min)
Continuous Rating 65A
Nominal Voltage . . . . . .12V DC
Maximum Cable Size . . . . . .1/0 AWG (50mm^2)
Terminal Stud Length . . . . . .7/16" (11.11 mm)
Terminal Stud Size . . . . . .1/4"-20 (M6)
Terminal Stud Torque . . . . . .60" - lb (6.78 Nm)
Disconnect Voltage . . . . . .11.3V-12.1V Adjustable
Reconnect Voltage . . . . . .13V DC
Remote Control Switch . . . . . .Type: SPDT - (ON)-OFF-(ON)
( ) = momentary

Regulatory:

Meets ISO 8846 and SAE J1171 external ignition protection requirements

ORDER NO.	Mfr. No.	Voltage
738-76350	7635-BSS	12V DC

SPECIAL ORDER ITEM

ATD AUTOMATIC TIMER DISCONNECT

Adjustable time or voltage based battery disconnect automatically shuts off devices to preserve battery power.

- 12V signal triggers relay to connect battery power to devices. When signal is removed the timer is activated and will disconnect devices after a preset time.
- Disconnect can be triggered based on time, low voltage, or removal of 12V signal
- Low voltage will disconnect if time hasn't been reached to preserve battery power
- Time and voltage options can be turned off to allow 12V signal based disconnect
- Clip-on cover insulates terminal connections
- One-piece stainless flange nuts ensure safe and secure connections
- Integrated LED indicates status

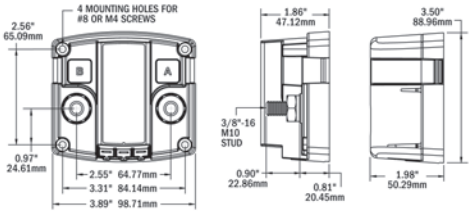
Optional Features

- Remote LED remotely indicates ATD status - requires optional LED

IGNITION PROTECTED

Specifications

Intermittent Rating: 5 min.	210A
Continuous Rating:	120A
(Combine) Amperage	175mA
Operating Current:	
(Open) Amperage	15mA
Operating Current:	
Nominal Voltage:	12V DC
Cable Size to meet	1 AWG (50mm^2)
Current Ratings:	
Maximum Cable Size:	1/0 AWG (50mm^2)
Terminal Stud Size:	3/8"-16 (M10)
Time Range:	15 Minutes - 4 Hours



Regulatory

Meets ISO 8846 and SAE J1171 external ignition protection requirements. IP67 - Protected

ORDER NO.	Mfr. No.	Voltage
738-76150	7615-BSS	12V DC

L-SERIES SOLENOID SWITCHES

150A or 250A switches are remotely activated using a low amp switch and smaller gauge wire.

- Continuous duty, SPST - Normally open
- Hermetically sealed contacts
- Activated by a remote ON-OFF switch

#8230 (sold separately-special order)

- Coil control circuit minimizes heating and amperage draw

NEW!

IGNITION PROTECTED

Regulatory

CE Marked
IP67-protected against immersion up to 1 meter for 30 minutes.

9012 ONLY - Ignition protected - ISO 8846 & SAEJ1171
9012 ONLY - UL Certified - UL 508 Industrial Control Equipment

Model	150A L-Series Solenoid Switch	250A L-Series Solenoid Switch
CC ORDER NO.	**738-77650**	**738-90120**
Mfr. No.	7765-BSS	9012-BSS
Operating Temperature	-40˚C to +85˚C	-55˚C to +85˚C
Coil Circuit Connection	22 AWG Tinned Wire	20 AWG Tinned Wire
Voltage Nominal	12/24V DC	12/24V DC
Coil Function	Normally Open	Normally Open
Operating Current Changing State	3.8A	3.6A
Operating Current Continuous	0.13A @ 12V, 0.07A @ 24V	0.13A @ 12V, 0.07A @ 24V
Voltage Input	9V-36V DC	9V-36V DC
Mounting Scrws	#10 or M5	#10 or M5
Mounting Screw Torque	15-30 in lb. (1.7-4 Nm)	15-35 in lb. (1.7-4 Nm)
Weight	0.95 lb (0.43 kg)	0.90 lb (0.41 kg)
Contact Rating		
Continuous Rating	150A (2 AWG Cable in 50˚C ambient)	250A (1/0 AWG Cable in 50˚C ambient)
Intermittent Rating	225A (2 AWG Cable in 50˚C ambient)	1000A (1/0 AWG Cable in 50˚C ambient)
Cranking Rating (30 sec.)	600A (2 AWG Cable in 50˚C ambient)	-
Voltage Maximum	320V DC	800V DC

For more information see: www.bluesea.com

SPECIAL ORDER ITEM

BLUE SEA SYSTEMS

SI-SERIES AUTOMATIC CHARGING RELAY
(Start Isolation)

Automatically combines batteries during charging, and isolates when discharging and when starting engines.

Features:

- 120 Amp continuous rating - supports high-output alternators
- LED light indicates when batteries are combined and blinks when the undervoltage or starting isolation feature is engaged
- Side and bottom knockouts for power cable connections
- Clip-on cover protects terminal connections
- 1/4" x .032" male quick connect terminals for ground, optional remote LED and starting isolation
- 7/8" stud length to accept multiple cable terminals
- Start Isolation (SI) - Can be configured for temporary isolation of House loads from engine circuit during engine cranking to protect sensitive electronics
- 12/24 Volt DC auto ranging voltage input
- Hermetically sealed contacts / vapourproof
- Remote LED output indicates relay state away from ACR (requires optional LED)
- Senses charging on two battery banks

ORDER NO.738-76100
Mfr. No. 7610-BSS

ML-SERIES HEAVY DUTY AUTOMATIC CHARGING RELAYS
(Magnetic Latching)

Automatically manages the charging of two battery banks and offers optional manual override for emergency battery paralleling.

Features:

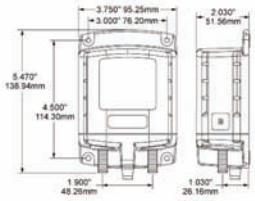
- 500 Amp continuous rating
- Magnetic Latch (ML) - ACR draws very low current (<10 mA to monitor terminal voltage) in the “ON” or “OFF” states, and draws moderate current for very short time when changing state
- Start Isolation (SI) - can be configured for temporary isolation of House loads from Engine circuit during engine cranking to protect sensitive electronics
- Engine Isolation (EI) - can be configured for isolation of two engines while both are running to protect engine electronics and maximize alternator output
- Senses charging on two battery banks
- Supports high-output alternators up to 500 amps
- LED output to remotely indicate when batteries are combined, isolated, in voltage lockout, in Start or Engine isolation (requires optional LED)
- 3/8" - 16 tin-plated copper studs for maximum conductivity and corrosion resistance
- 7/8" stud length to accept multiple cable terminals
- Label recesses for circuit identification
- Silver alloy contacts provide high reliability for switching live loads

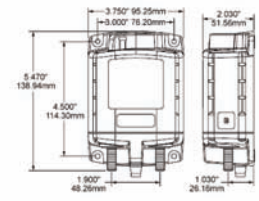
Regulatory:

- CE Marked

Meets ISO 8846 ignition protection, and SAE J1171 external ignition protection requirements.
IP66 - Protected against powerful water jets

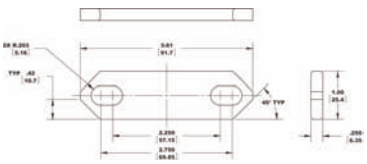
738-76200





738-76220

ORDER NO.	Mfr. No.	Coil Volts	Cable End	Manual Control
738-76200	7620-BSS	12V DC	Stripped Wire	No
738-76220	7622-BSS	12V DC	Stripped Wire	Yes
738-91600	9160-BSS		Paralleling Link Bus	



738-91600

For more information see: www.bluesea.com

Specifications:

I300	Intermittent Rating:	115A
Ic	Continuous Rating:	65A
Ioc	(Combine) Amperage Operating Current	90mA
Ioc	(Open) Amperage Operating Current	15mA
Maximum Cable Size		1/0 AWG
Terminal Stud Size		1/4"-20
Maximum Torque		75 in-lb (8.5Nm)
Relay Contact Position		
Combine	(30 sec.)	13.6V DC
	(2 min.)	13.0V DC
Open	(10 sec.)	12.35V DC
	(30 sec.)	12.75V DC
Open High		16.0V DC
Under Voltage Lockout		9.5V DC

Regulatory

marked, ISO 8846

Meets UL 1500 and SAE J1171 external ignition protection requirements IP67 - protected against immersion up to 1 meter for 30 minutes

DC MINI ACR AUTOMATIC CHARGING RELAY

Automatically combines batteries during charging, isolates batteries when discharging or at rest

FEATURES:

- 65 Amp continuous rating manages the charging current from alternators up to 65 Amps found on most outboards and many inboard engines
- Compact case design allows surface and panel mounting
- Senses charging on two battery banks
- Snap-on cover insulates terminal connections
- LED indicates ACR status
- 1/4" x .032" male quick connect terminal for ground
- 5/8" (16 mm) stud length to accept multiple cable terminals
- 12V DC voltage input

ORDER NO.	Mfr. No.
738-76010	7601-BSS

DC BATTERYLINK™ ACR AUTOMATIC CHARGING RELAY

With Auxiliary Battery Priority

Automatically shares single source of charge with auxiliary battery

FEATURES:

- 120 Amp continuous rating manages the charging current from high output alternators found in many specialty vehicles
- 12/24V DC auto ranging voltage input
- Senses charging on two battery banks
- Side and bottom knockouts for cable connections
- Clip-on cover insulates terminal connections
- 7/8" (22 mm) stud length to accept multiple cable terminals
- Integrated LED indicates ACR status
- 1/4" x .032" male quick connect terminals for ground and optional connections

OPTIONAL FEATURES:

- **Auxiliary Battery Priority** shares the alternator charge with the auxiliary battery longer when engine is running
- **Remote LED** remotely indicates ACR status – requires optional LED *(See Page 338)*

Specifications:

		12V DC	24V DC
I300	Intermittent Rating: 5 min.	210A	210A
Ic	Continuous Rating:	120A	120A
Ioc	(Combine) Amperage Operating Current	175mA	115mA
Ioc	(Open) Amperage Operating Current	15mA	15mA
Maximum Cable Size		1/0 AWG	1/0 AWG
Terminal Stud Size		3/8"-16 (M10)	3/8"-16 (M10)
Maximum Torque		140 in-lbs.	140 in-lbs.
Relay Contact Position			
Combine	(30 sec.)	13.6V DC	27.2V DC
	(2 min.)	13.0V DC	26.0V DC
Open Low	(30 sec.)	12.75V DC	25.5V DC
Over Voltage Lockout		16.0V DC	32.0V DC
Auxiliary Priority – Optional Feature			
Open Low	(30 sec.)	12.25V DC	24.5V DC

Regulatory

CE marked, ISO 8846

Meets UL 1500 and SAE J1171 external ignition protection requirements IP67 - protected against immersion up to 1 meter for 30 minutes

With Cover

ORDER NO.	Mfr. No.
738-76110	7611-BSS

BATTERY MAINTENANCE & RESTORATIVE FLUID

NATURAL MARINE BATTERY EQUALISER

This patented and proven, water-based liquid additive is the biggest improvement in battery chemistry in 75 years. By automatically putting sulphation back into liquid electrolyte it cleans the battery internally giving users up to double battery life.
Other benefits include increased CCA, extended storage, 25% reduction in charge time, 32% extended running time, reduced gassing and tougher plates. Ideal in all flooded lead-acid batteries including marine, forklift, snowmobile, UPS, and solar.
One 500 ml bottle treats 5 starting batteries. Ideal in all new or used batteries. Millions of bottles sold globally and marinas see battery sales increase significantly with new customer traffic. Many marinas are now offering to service batteries with Battery Equaliser in Spring or Fall.

ORDER NO.	Size
791-48261	500 ml
791-48271	4 L

For more information see: www.alexmilne.com

BATTERY DISCONNECT SWITCH

BATTERY DISCONNECT SWITCH WITH KEY

- Conveniently places on/off switch on bulkhead
- 110 amp continuously at 12V/500 amp at 12V for 10 seconds
- Key & cover have environment proof boot to reduce corrosion
- Prevents battery discharge and unauthorized use

Mfr. No. 042219-10
ORDER NO. 615-42219-10

For more information see: www.moellermarine.com

ANCOR

BATTERY TERMINAL CLEANER

- High impact construction
- Wide easy grip
- Excellent for hard to reach batteries

Mfr. No. 700103
ORDER NO. 427-00103

ANTI-CORROSION RINGS

- Chemically treated to prevent terminal corrosion caused by acid leaks
- Fit top or side battery posts
- Place one on each post

Mfr. No. 260405
ORDER NO. 422-60405

For more information see: www.ancorproducts.com

MEGAWARE BatteryGuard

NEW!

Get the maximum performance and longevity from your battery.

Megaware BatteryGuard™ acts like a shock absorber and can help extend the life of your expensive battery. Excessive shock and vibration are two of the leading causes for battery failure. Megaware BatteryGuard™ sits under your battery and absorbs the gravity shock caused by excessive vibration and up and down bounce.

- Reduces up to 80% of the G-shock caused by excessive shock & vibration
- Great for boats, automobiles, ATVs, trailers, or anywhere shock & vibration can damage a battery
- Dimensions: 12¾" × 6⅞" × ⅜"
- Place in battery box or trayr
- Fits up to Group 31 Batteries

Mfr. No. 40131
ORDER NO. 660-40131

For more information see: www.keelguard.com

PERKO® MADE IN THE USA

9621 SERIES - SINGLE BATTERY DISCONNECT SWITCH

Cup Mount

For use with Alternators & Generators 6-50 V.D.C. Marine Electrical Systems.
Single Battery Disconnect Switch permits the battery to be shut off from the electrical system when the vessel is not in use. Also can serve as an emergency main disconnect switch in the event of an electrical problem.
Ignition Protected.
Rating:
140 amps continuous,
200 amps 5 min. intermittent,
250 amps 30 second start.

Materials & Finish
- Red polycarbonate polymer body
- Black polymer actuator key
- Nickel plated terminals
- Face Dimensions: 3" x 2-1/2"

Features
- Small compact size
- Unique oval shape mounts in a round hole
- Removeable actuator key adds additional security

Spare actuator key #9621DP0KEY

Panel Mount

THREE MOUNTING OPTIONS

1. Panel Mount w/ Backing Plate: Backing plate mounts flush on surface. Installation Hole Size: 2-1/8"

2. Bulkhead Mount w/ Mounting Legs: This option creates a space that allows for direct cable access. No mounting hole is required for this option.

3. Cup Mount: This option creates an attractive, durable easy open/close cover and protects the switch face. Installation Hole Size: 3"

Bulkhead Mount

ORDER NO.	Mfr. No.	Description
621-96210-C	9621DPC	Battery Switch Only with Cup
621-96210	9621DP	Battery Switch Only with Rings and Legs

For more information see: www.perko.com

SPECIAL ORDER ITEM

Sierra Marine Engine and Drive Parts

SOLENOIDS

- Use as battery isolation switch
- Steel housing copper contacts
- 12 Volts insulated
- Continuous rating: 80 amp @ 12 VDC
- Intermittent rating:
  - 750 amp make
  - 100 amp break
  - 10 seconds ON
  - 30 minutes OFF

Mfr. No. BA58003 **ORDER NO.051-58003**

18-5840
- Steel housing copper contacts
- 12 Volts grounded
- Continuous rating:
  85 amp @ 12 VDC

Mfr. No. 18-5840 **ORDER NO.018-58400**

LEVER OPERATED BATTERY DISCONNECT SWITCH

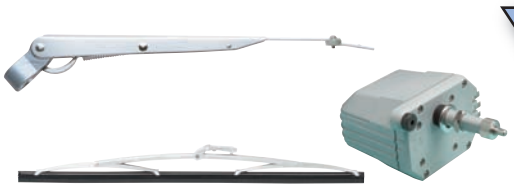
Rated 175 A continuous, 800 A intermittent
- 3/8" brass terminals
- Chrome Plated Brass Lever

Mfr. No. MP38910 **ORDER NO.051-38910**

For more information see: www.catalog.sierraparts.com

STANDARD WIPER KITS / MOTORS

MARINCO



AFI-500 WIPER KITS

- Waterproof housing made of UV stabilized, high-temperature, high-impact thermoplastic
- Maximum current draw: 2 amps
- Frame mount
- 80° or 110° sweep
- Adjustable right or left self-parking
- Shaft diameter: 1/2"
- Shaft length: 2-1/2"
- Includes 11.5" deluxe curved blade No. 103-33004 and deluxe adjustable (6-3/4" to 10-1/2") arm No. 103-33006
- For external use in open cabin boats

ORDER NO. 103-30004 **80° Sweep**
ORDER NO. 103-30005 **110° Sweep**

WMW WIPER KITS

- 100% waterproof and sealed motor
- Chrome-plated brass corrosion-resistant case and shaft housing
- Stainless steel front plate and wiper shaft
- Maximum current draw: 2 amps
- Self-parking
- Frame mount
- 80° or 110° sweep
- 3/8" shaft diameter x 2-1/2" shaft length
- Includes 11" blade and adjustable arm
- For external use in open cabin boats

ORDER NO. 103-30000 **80° Sweep**
ORDER NO. 103-30002 **110° Sweep**

STD WIPER KITS

- 12v heavy-duty motor and gear train
- Corrosion-proof aluminum alloy case with black crackle finish
- Base plate and mounting plate are naval brass with heavy, chrome plating
- Maximum current draw: 2 amps
- Adjustable right or left self-parking
- Frame or deck mount
- Includes 11" blade and adjustable arm
- 80° or 110° sweep
- Motor is not waterproof and is recommended for interior installations only

ORDER NO. 103-32000 **80° Sweep - Frame Mount**
3/8" shaft diameter, 2-1/2" shaft length

ORDER NO. 103-32001 **80° Sweep - Deck Mount**
1/2" shaft diameter, 3-1/2" shaft length

ORDER NO. 103-32002 **110° Sweep - Frame Mount**
3/8" shaft diameter, 2-1/2" shaft length

STD WIPER MOTOR ONLY

- Powers up to 14" x 14" arm/blade combinations
- Corrosion-proof aluminum alloy case with black crackle finish
- Base & mounting plates are chrome plated naval brass
- Maximum current draw: 2 amps
- 80° or 110° adjustable sweep, adjustable right or left self-parking
- Shaft diameter: 3/8"
- Shaft length: 2-1/2"
- Dimensions: 3.875" L x 2.25" W x 3.5" D

ORDER NO.	Mfr. No.
103-35040	35040

INTERMITTENT WIPER MOTOR CONTROLLER

NEW!

- Single-speed and dual-speed options
- Allows for the control of single motor systems, & synchronized control of dual motor systems
- Intuitive automotive-style functionality—features adjustable intermittent settings, adjustable continuous settings, & washer system operation
- IP67 Rated
- Includes Contura Switch, SPDT (On)-Off-(On)
- Easy to install with 1/4" spade connectors
- Reverse polarity protection
- Compatible with 12V & 24V DC motors

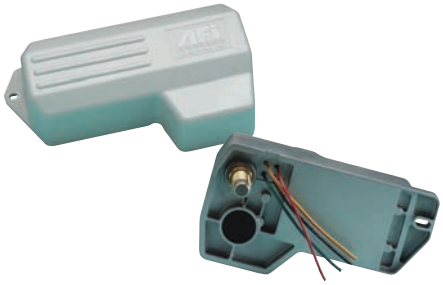
CE

ORDER NO.	Mfr. No.	Speed
103-76090	76090	Single
103-76080	76080	Dual

For more information see: www.marinco.com

HEAVY DUTY WIPER MOTORS

AFI-1000
WATERPROOF WIPER MOTOR



- **Powers 18" x 18" arm/blade combinations at a sweep set of 80° or less**
- **Powers 16" x 16" arm/blade combinations at a sweep set of 110°**
- **Factory pre-set sweep of 80° or 110° adjustable to 50°, 65°, 80° or 110°**
- **5/8" diameter shaft**
- **Shaft Length: 2-1/2"**
- Fully sealed waterproof housing made of UV stabilized, high-temperature, high-impact thermoplastic
- 12 volt heavy-duty motor with anti-rotation drive shaft
- Knurled drive shaft and solid brass arm drive nut
- Adjustable right or left self-parking
- Coast to park
- Includes 5 amp fuse and holder (No on/off switch)
- RF shielded circuitry
- Maximum current draw: 5 amps
- Compact size - 6-5/8" L x 3-3/8" W x 2" H
- Weight: 1.75 lbs.
- Made in the U.S.A.
- **3 year warranty**

ORDER NO.	Mfr. No.	Description
103-37180	37180	80° Sweep
103-37110	37110	110° Sweep

AFI-1.5
WATERPROOF WIPER MOTOR - 12V

- Fully sealed powder coated aluminum waterproof base and housing
- Powers a 22" Deluxe arm and 22" Deluxe blade combination or a 20" Premier arm/blade combination
- Available in two shaft lengths: 1.5" and 2.5" (Includes .5" length of knurled arm fitting)
- Factory pre-set sweep angles of 80˚ or 110˚, with easy adjustments to 45˚ or 60˚
- Chrome plated solid brass knurled drive nut with brass & stainless steel drive shaft
- Two speed motor • Sealed 6" wire leads, 16 AWG
- Adjustable right or left self parking
- 5/8" diameter shaft (16mm)
- Available in 12V • Coast to park
- RF shielded circuitry
- Includes 5 amp fuse and holder (operating switch not included)
- Measures approximately 7-3/4"L x 4"W x 2-3/4"D
- **3 year warranty**

AFI-2.5
WATERPROOF WIPER MOTOR - 12V

- Fully sealed powder coated aluminum waterproof base and housing
- Powers a 26" Deluxe arm and Deluxe blade combination or a 24" Premier arm and Premier blade combination
- Available in 2.5" shaft length: (Includes .5" length of knurled arm fitting)
- Factory pre-set sweep angles of 80˚ or 110˚, with easy adjustments to 45˚ or 60˚
- Chrome plated solid brass knurled drive nut with brass & stainless steel drive shaft
- Two speed motor • Sealed 6" wire leads, 16 AWG
- Adjustable right or left self parking • 5/8" diameter shaft (16mm)
- Available in 12V • Coast to park
- RF shielded circuitry
- Includes 6 amp fuse and holder (operating switch not included)
- Measures approximately 7-7/8"L x 4-1/4"W x 3"D
- **3 year warranty**

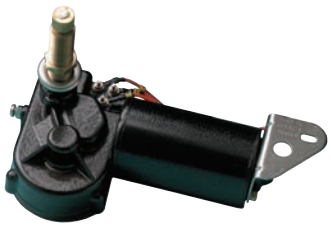
ORDER NO.	Mfr. No.	Description
103-71081	71081	AFI 1.5 Wiper Motor, 12V, 1.5" Shaft, 80˚ Sweep
103-71011	71011	AFI 1.5 Wiper Motor, 12V, 1.5" Shaft, 110˚ Sweep
103-71082	71082	AFI 1.5 Wiper Motor, 12V, 2.5" Shaft, 80˚ Sweep
103-71012	71012	AFI 1.5 Wiper Motor, 12V, 2.5" Shaft, 110˚ Sweep
103-82082	82082	AFI 2.5 Wiper Motor, 12V, 2.5" Shaft, 80˚ Sweep
103-82012	82012	AFI 2.5 Wiper Motor, 12V, 2.5" Shaft, 110˚ Sweep

MRV WIPER MOTOR

- **Easily powers 22" x 22" arm/blade combinations**
- **Accommodates blades from 16" to 24"**
- **Factory pre-set sweep of 80° or 110° adjustable to 45°, 60°, 80° or 110°**
- **5/8" diameter shaft**
- **Shaft Length: 2-1/2"**

ORDER NO.	Mfr. No.	Description
103-34000	34000	80° Sweep
103-34010	34010	110° Sweep

- Corrosion-resistant casing
- Heavy-duty motor with right angle drive
- Two-speed motor, can be operated as 1 speed
- Solid brass knurled drive nut with brass and stainless steel drive shaft
- Adjustable right or left self-parking
- Coast to park
- Includes 5 amp fuse and holder
- Stainless steel fasteners and mounting bracket
- Use with three-position switch (not included)
- Maximum current draw: 3.5 amps at peak load
- Compact size - 7-5/8" L x 4" W x 2" H
- Not recommended for exterior use
- **3 year warranty**



MARINCO

WINDSHIELD EQUIPMENT - WIPER ARMS

DELUXE STAINLESS STEEL ADJUSTABLE ARM

- All stainless steel
- Arm has “articulating/bent-back” feature
- Motor shaft mounting has additional set screw clamping

ORDER NO.	Mfr. No.	Description
103-33006	33006A	Adjusts 6-3/4" to 10-1/2"
103-33007	33007A	Adjusts 10" to 14"
103-33010	33010A	Adjusts 14" to 20"

DELUXE ADJUSTABLE PANTOGRAPHIC ARM

- Stainless steel
- Arm has “articulating/bent-back” feature

All AFI deluxe wiper arms come with an articulating feature which allows the arm to lock into position when it is bent back for window washing.

ORDER NO.	Mfr. No.	Description
103-33032	33032A	Adjusts 12" to 17"
103-33037	33037A	Adjusts 17" to 22"

HAND-OPERATED WINDSHIELD WIPER

Comes complete with stainless steel 7 1/2" x 12" wiper arm, 11" blade and all parts for installation. Handle is chrome plated brass and unit is fully adjustable for use with many different boat designs. For use on flat windshields only.

ORDER NO.	Mfr. No.
103-31000	31000

CLASSIC STRAIGHT BLADES

- Stainless steel
- Replaces most standard blades in boats made before 1990
- Does not work with standard or deluxe arms

ORDER NO.	Mfr. No.	Description
103-33901	33901	11" Blade “Hook and Catch” Style
103-33919	33919	14" Blade “Hook and Catch” Style

POLYMER WIPER BLADES

- Black glass poly-impregnated construction
- Marine-grade rubber squeegee

ORDER NO.	Mfr. No.	Description
113-10140	31014B	14" Blade

For more information see:
www.marinco.com

DELUXE STAINLESS STEEL WIPER BLADES

- Works well on curved or flat windshields
- All stainless steel construction
- Marine grade silicone squeegee

ORDER NO.	Mfr. No.	Colour	Length
103-34012S	34012S	Stainless	12"
103-34014S	34014S	Stainless	14"
103-34016S	34016S	Stainless	16"
103-34018S	34018S	Stainless	18"
103-34020S	34020S	Stainless	20"
103-34022S	34022S	Stainless	22"
103-34024S	34024S	Stainless	24"
103-34026S	34026S	Stainless	26"

ORDER NO.	Mfr. No.	Colour	Length
103-34012B	34012B	Black	12"
103-34014B	34014B	Black	14"
103-34016B	34016B	Black	16"
103-34018B	34018B	Black	18"
103-34020B	34020B	Black	20"
103-34022B	34022B	Black	22"
103-34024B	34024B	Black	24"
103-34026B	34026B	Black	26"

HYBRID WIPER BLADES

NEW!

Hybrid Multi-Material Construction. Electro coated galvanized steel frame, with durable polycarbonate shell.

- Designed for maximum flexibility to conform to all windshield shapes
- Marine grade construction will not rust or corrode
- Graphite-coated natural rubber squeegee for optimal wipe quality & durability
- Streamlined shape for reduced wind-lift
- Performance-tested to 500,000 cycles

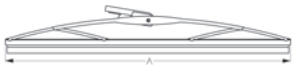
ORDER NO.	Mfr. No.	Colour	Length
113-20120	32012B	Black	12"
113-20140	32014B	Black	14"
113-20160	32016B	Black	16"
113-20180	32018B	Black	18"
113-20200	32020B	Black	20"
113-20220	32022B	Black	22"
113-20240	32024B	Black	24"

For more information see: www.marinco.com

SEA-DOG LINE
QUALITY MARINE GEAR

WIPER BLADES

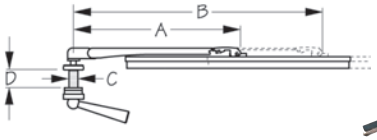
304 Stainless Steel



ORDER NO.	Mfr. No.	A	Finish
424-14212B	414212B-1	11-1/2"	Black
424-14212S	414212S-1	11-1/2"	Silver

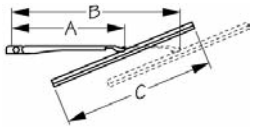
WIPER BLADES

304 Stainless Steel



ORDER NO.	Mfr. No.	A	B	C	D
424-12601	412601-1	8"	12"	7/16"	15/16"

WINDSHIELD WIPER COMPONENTS STAMPED - 304 STAINLESS/LEXAN BLADES



All hook style wiper blades and arms are replacements for Sea-Dog wipers sold prior to 1993. In addition, the hook style wiper blades and arms will fit most older wipers sold by AFI, Wilcox, NA Taylor, GEM, L.S. Brown and others.

All current Sea-Dog wipers now come with the new slip-on hinge style wiper blades and arms. Verify style required prior to ordering.

ORIGINAL STYLE (Hook)

ORDER NO.	Mfr. No.	DESCRIPTION	C
424-11111	411111-1	Blade	11"
424-11114	411114-1	Blade	14"

NEW STYLE (Hinge)

ORDER NO.	Mfr. No.	DESCRIPTION	C
424-11151	411151-1	Blade	11"
424-11154	411154-1	Blade	14"

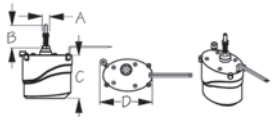
For more information see: www.sea-dog.com

WIPER MOTORS/KITS & ACCESSORIES

WATERPROOF STANDARD WIPER MOTOR

Powder Coated Aluminum/304 Stainless

IP66 rating (dust tight and protected from strong jets of water), powers up to a 14" arm and blade combination (21" total length) using standard wiper arms, for exterior/unprotected locations. Adjustable sweep, preset at 80˚ or 110˚, and adjustable right or left hand park, factory preset for left-hand park. Stainless steel base plate, shaft, and knurled drive nut, with corrosion proof aluminum white power-coated housing. Fits the same footprint as almost all competitive standard (STD) wiper motors. CE approved, 3 Year Warranty.



ORDER NO.	Mfr. No.	Description	Sweep	(Shaft Dia.)A	(Shaft Dia.)B	C	D	Volts
424-12321	412321W-3	Motor Only	110˚	3/8"	2-1/2"	3-1/4"	4-3/8"	12
424-12328	412328W-3	Motor Only	80˚	3/8"	2-1/2"	3-1/4"	4-3/8"	12

WATERPROOF STANDARD WIPER MOTOR KITS

Powder Coated Aluminum/304 Stainless

ORDER NO.	Mfr. No.	Description	Sweep	(Shaft Dia.)A	(Shaft Dia.)B	(Arm) C	(Blade) D	Volts
424-12421	412421W-1	Kit	110˚	3/8"	2-1/2"	11"-13"	11"	12
424-12428	412428W-1	Kit	80˚	3/8"	2-1/2"	11"-13"	11"	12

Includes a waterproof standard motor, an adjustable standard arm, and an 11" blade.

SYNCHRONIZED WIPER CONTROL

Powder Coated Aluminum/Stainless

ORDER NO.	Mfr. No.	A	B	C	D	E	Voltage	Fastener
424-14800	414800-3	13/16"	1-7/16"	4-7/16"	4-3/8"	1-5/16"	12	#8RH

Synchronizer will sync up to three wiper motors and adds an interval speed position to the traditional two-speed motor. One short push takes the motors from interval, to slow then to fast speed. One long push activates the primary motor only. Capable of operating a washer system like the Sea-Dog #414900-3.
Kit includes: synchronized controller, switch and 5' wiring harness. Overload protected. CE Approved.

For more information see: www.www.sea-dog.com

WINDSHIELD WIPER ARMS & BLADES

DELUXE ULTRA HD ADJUSTABLE ARMS

Powder Coated 304 Stainless Steel

- HD stainless steel spring
- Will replace all competitive arms on HD motors
- 5/8" shaft

ORDER NO.	Mfr. No.	Description
856-33660	33660	Arm, Deluxe, "J" Hook Tip, 12" - 18"
856-33661	33661	Arm, Deluxe, "J" Hook Tip, 19" - 24"

DELUXE WIPER ARMS

ORDER NO.	Mfr. No.	Description
856-33650	33650	Arm, Deluxe, "J" Hook Tip, 12" - 18"
856-33651	33651	Arm, Deluxe, "J" Hook Tip, 19" - 24"
856-33670	33670	Arm, Deluxe, Pantograph, 12" - 18"
856-33671	33671	Arm, Deluxe, Pantograph, 19" - 24"

DELUXE WIPER BLADES

ORDER NO.	Mfr. No.	Description
856-33011	33011	Wiper Blade, Deluxe, 11"
856-33012	33012	Wiper Blade, Deluxe, 12"
856-33014	33014	Wiper Blade, Deluxe, 14"
856-33016	33016	Wiper Blade, Deluxe, 16"
856-33018	33018	Wiper Blade, Deluxe, 18"
856-33020	33020	Wiper Blade, Deluxe, 20"
856-33022	33022	Wiper Blade, Deluxe, 22"

For more information see: www.www.schmittongaromarine.com

STANDARD WIPER MOTORS

856-31011
666-31014

STANDARD MOTOR KIT - 12 VOLT

- 304 SS mounting plate, shaft & mounting hardware
- Black powder coated aluminum cover
- 80 or 110˚ adjustable sweep, self park-left or right
- Includes 11"-14" arm & 11" or 14" blade
- Insulated grounding
- Guaranteed 3 Years

856-31001

856-33680

ORDER NO.	Mfr. No.	DESCRIPTION
856-31011	31011	Motor Kit, 80/110˚,11" - 14" Adjustable Arm & 11" Blade
666-31014	31014	Motor Kit, 80/110˚,11" - 14" Adjustable Arm & 14" Blade
REPLACEMENT PARTS		
856-33680	33680*	Arm Stainless, 11"-14" for standard motors
856-31001	31001	Motor Only, 2-1/2" Shaft, 12 volt

WATERPROOF STANDARD MOTOR KIT

- 304 SS mounting plate, shaft & mounting hardware
- White powder coated aluminum cover
- 80 or 110˚ adjustable sweep angle
- Will power up to a 14" arm & blade combination
- Prewired for installation
- 3 year warranty

Kit includes:
Standard 12 volt motor, wiper blade (choose size), and 11" x 14" adjustable wiper arm

ORDER NO.	Mfr. No.	Description
856-33002	33002	Std. Wiper Kit, w/ 11" Blade
856-33003	33003	Std. Wiper Kit, w/ 14" Blade

HEAVY-DUTY WIPER MOTORS

WATERPROOF HEAVY DUTY 2 SPEED WIPER MOTOR

- 12 Volt
- 316 SS shaft
- Rigid aluminum housing
- Adjustable sweep angle 40 - 110˚
- Adjustable park position right or left - 2 speeds
- Will power up to a 24" arm & 24" blade combination

ORDER NO.	Mfr. No.	Description
856-33611	33611	Motor, HD 12V 1-1/2" Shaft
856-33621	33621	Motor, HD 12V 2-1/2" Shaft
856-33631	33631	Motor, HD 12V 3-1/2" Shaft

856-30991

HEAVY DUTY 2 SPEED WIPER MOTOR

- Black powder coated housing
- 304 SS mounting plate and mounting hardware
- 316 SS shaft
- Chrome plated brass shaft housing
- Adjustable sweep 40˚ - 100˚ in 10˚ intervals
- Adjustable park position right or left
- Will power up to a 24" arm & 24" blade
- Guaranteed 3 years

ORDER NO.	Mfr. No.	Description
856-31991	31991	Motor, HD 12V 1-1/2" Shaft
856-30991	30991	Motor, HD 12V 2-1/2" Shaft
856-32991	32991	Motor, HD 12V 3-1/2" Shaft
856-31992	31992	Motor, HD 24V 1-1/2" Shaft
856-30992	30992	Motor, HD 24V 2-1/2" Shaft
856-33892	33892	Motor, HD 24V 3-1/2" Shaft

ACCESSORIES

HEAVY DUTY ROCKER SWITCH

2-speed works with Ongaro and other competitive wiper motors (3 position switch).

ORDER NO. 856-40400
Mfr. No. 40400

For more information see: www.schmittongaromarine.com

ELECTRIC HORNS

MARINCO

All AFI electric horns exceed NMMA/ABYC specifications for vessels up to 12 meters.

MINI TWIN ELECTRIC HORN

- Type 304 stainless steel covers, diaphragms, and mounting bracket
- 3"L x 8"W x 1-3/4"H
- One year warranty
- Combines high styling with a powerful dual tone - high and low notes provide a melodic tone
- A dual version of the 10035
- Mounts almost anywhere
- Ideal for bass boats and runabouts in a freshwater environment

ORDER NO. 101-10001

Mfr. No. 10001

- Maximum amp draw: 6 Amps, 12 Volt
- db(A) rating: 109 at 1 metre
- Fundamental frequency: 490 ± 20/440 ± 20Hz

MINI COMPACT ELECTRIC HORN

- Totally sealed sound unit
- Type 304 stainless steel cover, diaphragm, mounting bracket
- 3"L x 3-1/4"W x 1-3/4"H
- One year warranty
- Original AFI design
- Most popular compact marine horn worldwide
- Inexpensive
- Will mount almost anywhere

ORDER NO. 101-10035

Mfr. No. 10035.

- Maximum amp draw: 3 Amps, 12 Volt
- db(A) rating: 106 at 1 metre
- Fundamental frequency: 440 ± 20Hz

MINI HIDDEN HORN

- Type 304 stainless steel diaphragm
- Dimensions: 3-1/4"W x 3/4"H x 3"L
- Maximum amp draw: 3 Amps
- dB(A) rating: 105 at one meter
- Fundamental frequency: 440 ± 20Hz
- Designed for below deck or hide-away locations with limited installation area
- 1 year warranty

Note: This horn is not designed for installation in exposed areas.

ORDER NO.	Mfr. No.	Description
101-11031	11031	Mini Hidden Horn (Bulk/Ea)
101-10031	10031	Mini Hidden Horn (Retail Pkg)

ELECTRIC COMPACT HORN

Drop-In "H" Horn with Grills

- New louder horn; dB(A) rating 107 at one meter
- Maximum amp draw: 4 amps
- Fundamental frequency 370 ± 20Hz
- Space requirements: 2" H x 3-3/8" W x 3-1/4" D
- Distinctive marine horn sound
- Enclosed sound unit
- Easy installation
- Mounts from the outside
- Easy retrofit
- 12 Volt

ORDER NO. 101-10079

Mfr. No. 10079

MINIBLAST COMPACT ELECTRIC HORN

- High style, above deck compact horn
- Measures: 3-3/8" wide x 2" high x 4-3/8" long
- Long lasting, non-corrosive ASA plastic cover
- Mounts in same hole pattern as our 10035 horn
- dB(A) rating: 107 at one meter (3 feet)
- Meets ABYC A.23 and NMMA type accepted
- Maximum amp draw: 3 Amps, 12 Volt
- db(A) rating: 106 at 1 metre
- Fundamental frequency: 440 ± 20

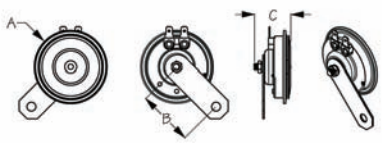
ORDER NO.	Mfr. No.	Colour
101-10098	10098	Black
101-10099	10099	White

For more information see: www.marinco.com

SEA-DOG LINE
QUALITY MARINE GEAR

PONTOON BOAT MINI COMPACT HORN - 12 VDC WITH BRACKET

Powder Coated Steel/304 Stainless Steel
Designed for use on Pontoon boats and at 111 decibels and a frequency (Hz) of 370± 20Hz this horn meets ABYC standard A-23. For use on vessels under 39'. Stainless bracket for easy mounting. Freshwater only.



ORDER NO.	Mfr. No.	A	B	C
424-31430	431430-1	2-13/16"	2-3/16"	1-7/16"

For more information see: www.sea-dog.com

Compact design easier to install in smaller spaces

COMPACT SINGLE TRUMPET ELECTRIC HORN

- 100% stainless steel exterior
- Type 304 stainless steel diaphragm
- 14''L x 3-1/2''W x 4''H
- Full trumpet sound with compact size
- Requires only one mounting bracket
- Recommended for saltwater use
- Ideal for runabouts

Mfr. No. 10010

ORDER NO. 102-10010

- Maximum amp draw: 3.5 Amps, 12 Volt
- db(A) rating: 108 at 1 metre
- Fundamental frequency: 460 ± 15Hz

COMPACT DUAL TRUMPET ELECTRIC HORN

- 100% stainless steel exterior
- Type 304 stainless steel diaphragm
- 16''L x 7-1/2''W x 4''H
- A dual version of the 10010
- Recommended for saltwater use
- Compact size good for runabouts and smaller cabin cruisers
- High and low notes provide a melodic tone

Mfr. No. 10011

ORDER NO. 102-10011

- Maximum amp draw: 7 Amps, 12 Volt
- db(A) rating: 110 at 1 metre
- Fundamental frequency: 460 ± 15/415 ± 15Hz

FULLBLAST™ AIRHORN

- Corrosion resistant brass construction, with chrome plated finish
- CE listed compressor
- Non-corrosive Lexan diaphragm
- Meets ABYC A.23 and NMMA type accepted

CHROME SINGLE TRUMPET AIR TRUMPET

- Dimensions: 17" L x 3-3/4" W x 3-3/4"H
- dB rating: 120 at one meter, 1/3 octave band
- Fundamental frequncy: 315 ± 15Hz

Mfr. No. 10105

ORDER NO. 101-10105

CHROME DUAL TRUMPET AIR TRUMPET

- Dimensions: 17" L x 7" W x 3-3/4" H
- dB rating: 121 at one meter, 1/3 octave band
- Fundamental frequncy: 375 ± 15Hz/315 ± 15Hz

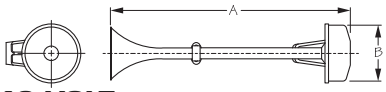
Mfr. No. 10106

ORDER NO. 101-10106

MARINCO

For more information see:
www.marinco.com

SEA-DOG LINE
QUALITY MARINE GEAR

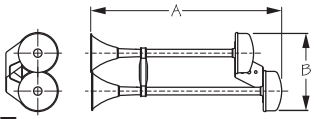


MAXBLAST SINGLE TRUMPET HORN - 12 VOLT

Stamped 304 Stainless w/Over Molded Motor Housing

ORDER NO.	Mfr. No.	Type	A	B	Amps	dB	Finish
424-31510	431510-1	Single	16"	4"	4	118	Stainless

Meets ABYC standard A-23, for use on vessels under 39'.



MAXBLAST DUAL TRUMPET HORN - 12 VOLT

Stamped 304 Stainless w/Over Molded Motor Housing

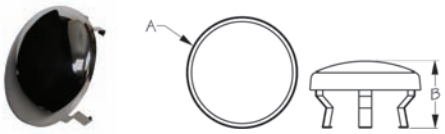
ORDER NO.	Mfr. No.	Type	A	B	Amps	dB	Finish
424-31520	431520-1	Dual	18-1/4"	7"	8	123	Stainless

Meets the U.S. Coast guard's C.O.L.R.E.G.S. and U.S. Inland Navigation Rules, Annex III Regulations for boats up to 20 meters/66 ft.

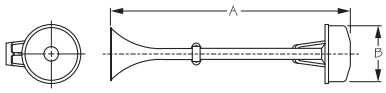
TRUMPET HORN TUBE COVER

304 Stainless

ORDER NO.	Mfr. No.	A	B
424-32590	432590-1	3-15/16"	2-3/16"



Fits all Sea-Dog air horns and the Max Blast electric trumpet horns. Keeps green water and bugs from getting into the trumpet tube, and snaps over the end of the tube - no installation necessary.

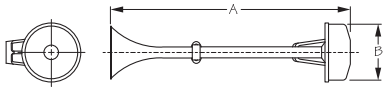


MAXBLAST AIR HORN - MINI SINGLE TRUMPET - 12 VOLT

Chrome Plated Brass/Powder Coated Brass

ORDER NO.	Mfr. No.	Type	A	B	PSI	Amps	dB	Finish
424-32610	432610-1	Single	9-5/8"	2-3/4"	9-11	20	123	Chrome

Includes compressor, air tubing, fittings, and mounting hardware.

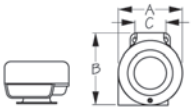


MAXBLAST AIR HORN - MINI DUAL TRUMPET - 12 VOLT

Chrome Plated Brass

ORDER NO.	Mfr. No.	Type	A	B	PSI	Amps	dB	Finish
424-32620	432620-1	Dual	9-5/8"	5-7/8"	9-11	20	125	Chrome

Includes compressor, air tubing, fittings, and mounting hardware.

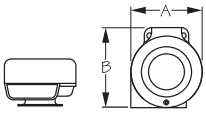


MAX BLAST MINI COMPACT HORN - 12 VOLT

Stamped 304 Stainless Cover

ORDER NO.	Mfr. No.	Type	A	B	C	Amps	db	Finish
424-31115	431115-1	Single	3-5/16"	3-5/8"	1-9/16"	4A	106	Stainless
424-31125	431125-1	Twin	8"	3-5/16""	1"	8A	109	Stainless

An injection-molded housing under the stainless steel covers protects the steel covers from rusting, leaving it completely rust-free after a 600 hour salt spray test. Includes a FIVE YEAR rust-free warranty. Meets ABYC standard A-23, NMMA type accepted #748120 for use on vessels under 39'

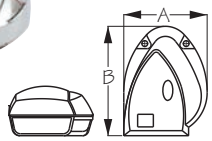


MINI COMPACT HORN - 12 VOLT

Stamped 304 Stainless Cover

ORDER NO.	Mfr. No.	Type	A	B	C	Amps	db	Finish
424-31110	431110-1	Single	3-5/16"	3-5/8"	1-9/16"	4A	106	Stainless
424-31120	431120-1	Twin	8"	3-5/16""	1"	8A	110	Stainless

Meets ABYC standard A-23, NMMA type accepted #748110 & #748120 for use on vessels under 39'

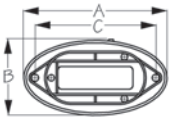
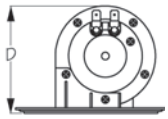


SONIC MINI COMPACT HORN - 12 VOLT

ASA Plastic Cover

ORDER NO.	Mfr. No.	Type	A	B	Amps	db	Finish
424-31151	431151-1	Single	3-3/8"	4-3/8"	3	106	Chrome
424-31152	431152-1	Single	3-3/8"	4-3/8"	3	106	White
424-31153	431153-1	Single	3-3/8"	4-3/8"	3	106	Black

Meets ABYC standard A-23, NMMA type accepted #748110, for use on vessels under 39'.

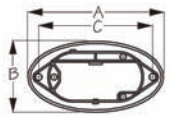
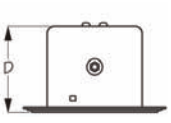



DROP-IN HIDDEN HORN V.1 WITH GRILLS

Powder Coated Steel/Injected Molded Nylon

ORDER NO.	Mfr. No.	Type	A	B	C	D	Amps	db	
424-31210	431210-1	Single	4-7/8"	2-3/4"	4"	3-3/8"	105	Chrome	

Includes 431215 horn plus 431411 chrome grill and 431412 white grill. V.1 Horn meets ABYC standard A-23. For use on vessels under 39'. 12VDC. Required hole size, 1-7/8" x 3-3/8".

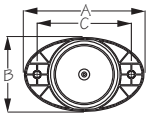
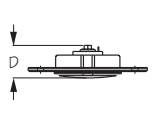
DROP-IN HIDDEN HORN V.2 WITH GRILLS

Powder Coated Steel/Injection - Molded Nylon

• 12 Volt

ORDER NO.	Mfr. No.	Type	A	B	C	D	Amps	db	Grill Finish
424-31230	431230-1	Single	4-7/8"	2-3/4"	4"	3-3/8"	3	110	Chrome & White

Includes 431235 horn plus 431211 chrome grill and 431212 white grill.
V.2 Horn meets ABYC standard A-23. For use on vessels under 39'

DROP-IN HIDDEN HORN V.3 WITH GRILLS

Powder Coated Steel/Injection - Molded Nylon/ASA

• 12 Volt

ORDER NO.	Mfr. No.	Type	A	B	C	D	Amps	db	Grill Finish
424-31250	431250-1	Single	5-1/4"	3-3/8"	4"	1-1/2"	4	111	Chrome & White

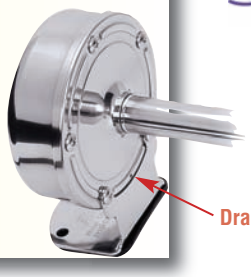
Includes 431255 horn plus 431351 chrome grill and 431352 white grill.
V.3 Horn meets ABYC standard A-23. For use on vessels under 39'

For more information see: www.sea-dog.com

TRUMPET HORNS

STAINLESS STEEL WATERPROOF HORNS
All Stainless Steel Inside & Out

- 304 Stainless Steel inside and out including the sealed sound unit
- **No rust** Guaranteed for 5 Years
- US Patent #6,349,142
- All meet ABYC A-23 for boats up to 12 meters
- PN 10028 & 12428 meet ABYC A-23 for boats up to 20 meters
- **Waterproof with drain hole**
- Pre-wired
- Fits existing hole patterns
- Much louder than competitive models



SCHMITT Marine Steering Wheels

ongaro EST. 1958

DELUXE STAINLESS STEEL WATERPROOF TRUMPET HORNS - • Waterproof with drain hole

- Watertight housing
- Can be mounted at an up or down tilted angle

Model 10027/12427

ORDER NO.	Mfr. No.	Description
856-10027	10027	Single Trumpet S/Steel 12 Volt
856-12427	12427	SS Single Trumpet Horn 24 Volt
856-10028	10028	Dual Trumpet S/Steel 12 Volt
856-12428	12428	SS Dual Trumpet Horn 24 Volt

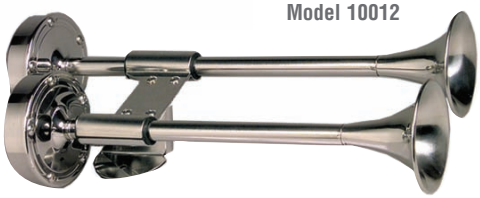
Model 10028/12428

Specifications:

Mfr. No.	Volts	Dimensions	Max Amp Draw	Rating @ 1 Meter	Fundamental Frequency
10027	12V	16-1/2"L x 4"W x 4-3/4"H	4 Amps	120 db	388 Hz ± 20
12427	24V	16-1/2"L x 4"W x 4-3/4"H	2 Amps	120 db	388 Hz ± 20
10028	12V	18-1/2"L x 8"W x 5"H	8 Amps	125 db	321 Hz ± 20
12428	24V	18-1/2"L x 8"W x 5"H	4 Amps	125 db	321 Hz ± 20

DELUXE STAINLESS STEEL WATERPROOF SHORTY HORNS - • Waterproof with drain hole

Model 10009


Model 10012

ORDER NO.	Mfr. No.	Description
856-10009	10009	Shorty Single Trumpet Horn, 12V
856-10012	10012	Shorty Dual Trumpet Horn, 12V

Specifications:

Mfr. No.	Volts	Dimensions	Max Amp Draw	Rating @ 1 Meter	Fundamental Frequency
10009	12V	13-1/2"L x 3-1/2"W x 4"H	4 Amps	114 db	410 Hz ± 20
10012	12V	16"L x 7-1/2"W x 4"H	7 Amps	120 db	351 Hz ± 20

SCHMITT
Marine Steering Wheels

ongaro
EST. 1958

STAINLESS STEEL HORNS

- 304 Stainless Steel inside and out including the sealed sound unit
- **Waterproof with drain hole**
- **No rust Guaranteed for 5 Years**
- US Patent #6,349,142
- All meet ABYC A-23 for boats up to 12 meters
- Pre-wired
- Much louder than competitive models

STANDARD HORNS

- 304 Stainless Steel housing, diaphragm & mounting brackets
- Meets ABYC A-23 for boats up to 12 meters
- Pre-wired
- Much louder than competitive models

STAINLESS STEEL MINI COMPACT HORN

ORDER NO.	Mfr. No.	Volts	Dimensions	Max Amp Draw	Rating @ 1 Meter	Fundamental Frequency
TWIN						
856-10002	10002	12V	3"L x 8"W x 1-3/4"H	6 Amps	112 db	403 Hz ± 20
SINGLE						
856-10036	10036	12V	3"L x 3-1/4"W x 1-3/4"H	3 Amps	105 db	410 Hz ± 20

Model 10002

STANDARD MINI COMPACT HORN

ORDER NO.	Mfr. No.	Volts	Dimensions	Max Amp Draw	Rating @ 1 Meter	Fundamental Frequency
TWIN						
856-10001	10001	12V	3"L x 8"W x 1-3/4"H	6 Amps	112 db	403 Hz ± 20
SINGLE						
856-10035	10035	12V	3"L x 3-1/4"W x 1-3/4"H	3 Amps	105 db	410 Hz ± 20

Model 10036

STAINLESS STEEL MINI HIDDEN COMPACT SINGLE HORN

ORDER NO.	Mfr. No.	Volts	Dimensions	Max Amp Draw	Rating @ 1 Meter	Fundamental Frequency
856-11032	11032	12V	3"L x 3-1/4"W x 1-3/4"H	3 Amps	105 db	410 Hz ± 20

STANDARD MINI HIDDEN COMPACT SINGLE HORN

ORDER NO.	Mfr. No.	Volts	Dimensions	Max Amp Draw	Rating @ 1 Meter	Fundamental Frequency
856-11031	11031	12V	3"L x 3-1/4"W x 1-3/4"H	3 Amps	105 db	410 Hz ± 20

STAINLESS STEEL MINI DROP-IN HORNS

ORDER NO.	Mfr. No.	Description
856-10050	10050	SS Mini Drop-In Horn Lo Pitch
856-10051	10051	SS Mini Drop-In Horn High Pitch
856-10055	10055	SS Mini Drop-In Dual Hi & Lo Pitch

Specifications:

Mfr. No.	Volts	Dimensions	Max Amp Draw	Rating @ 1 Meter Installed	Fundamental Frequency	Grill Dimensions w/4" hole centres
10050	12V	3"L x 3-1/4"W x 1-3/4"H	3 Amps	106 db	410 Hz ± 20	4-7/8" x 2-3/8"
10051	12V	3"L x 3-1/4"W x 1-3/4"H	3 Amps	106 db	410 Hz ± 20	4-7/8" x 2-3/8"
10055	12V	3"L x 3-1/4"W x 1-3/4"H	6 Amps	114 db	410 Hz ± 20	4-7/8" x 2-3/8"

For more information see: www.schmittongaromarine.com

PIEZO ELECTRONIC HORNS

INNOVATIVE LIGHTING inc.™

- 12 or 24V DC Systems
- For Vessels Under 12 Meters (39.4 Ft.)
- Uses "SETS"* Horn Technology
- Draws Less Than 1/2 Amp
- Unit Is Polarity Protected
- Solid State With No Moving Parts
- Built-in Water Evacuation Drainage System
- Requires 2-1/4" Hole *#540-01007*
- Requires Jig Saw or Router *#541-00007, 541-01007*
- Mounting Gasket Included
- Patented

NEW!

Drop-In Hidden

Hull Mount

Hull Mount

ORDER NO.	Mfr. No.	Description	Colour
540-00007	540-0000-7	Drop In Hidden	Black
540-01007	540-0100-7	Drop In Hidden	White
541-00007	541-0000-7	Electronic Hull Mount	Black
541-01007	541-0100-7	Electronic Hull Mount	White

For more information see: www.innovativelight.com

NAVIGATION LIGHTS

HORIZONTAL MOUNT BI-COLOUR LIGHTS

CERTIFIED FOR USE ON POWER DRIVEN VESSELS UNDER 20 METRES (65.6 FT) IN LENGTH

- Chrome plated zinc alloy top with black polymer base
- Gold plated contacts
- USCG certified 2nm
- CE certified

ORDER NO.	Mfr. No.	Description
621-02270	0227DP0CHR	Light (ea)
621-00712	0071DP0CLR	Spare Bulbs (2 card)

- 12 Volts
- Length 3-1/4" - Width 2-5/16"
- Vertical Height 5/8"
- Screw Size #8

Fig. 0227

- All black polymer
- Gold plated contacts
- USCG certified 2nm
- CE certified

ORDER NO.	Mfr. No.	Description
621-02520	0252BB0DP1	Light (ea)
621-00712	0071DP0CLR	Spare Bulbs (2 card)
621-02470	0247DP0LNS	Spare Lens Set Red / Green

- 12 Volts
- Length 3-1/2" - Width 2-1/4"
- Vertical Height 13/16"
- Screw Size #8

Fig. 0252BB

CERTIFIED FOR USE ON POWER DRIVEN VESSELS UNDER 12 METRES (39.4 FT) IN LENGTH

- Chrome plated zinc alloy top with black polymer base
- USCG certified 1nm
- CE certified

ORDER NO.	Mfr. No.	Description
621-13100	1310DP0CHR	Light (ea)
621-00712	0071DP0CLR	Spare Bulbs (2 card)
621-02830	0283DPALNS	Spare Lens Set Red / Green

- 12 Volts
- Length 4" - Width 3-1/8"
- Vertical Height 1"
- Screw Size #8

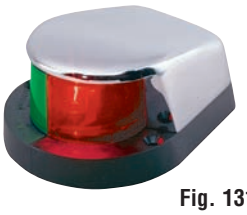


Fig. 1310

CERTIFIED FOR USE ON SAIL OR POWER DRIVEN VESSELS UNDER 12 METRES (39.4 FT) IN LENGTH

- Chrome plated brass with black polymer base
- USCG certified 1nm
- CE certified

ORDER NO.	Mfr. No.	Description
621-09720	0972DP0CHR	Light (ea)
621-00712	0071DP0CLR	Spare Bulbs (2 card)
621-02960	0296DP0LNS	Spare Lens Set Red / Green

- 12 Volts
- O.D. Base 2-3/8"
- Vertical Height 7/8"
- Screw Size #4

Fig. 0972

CERTIFIED FOR <u>REPLACEMENT USE</u> ONLY ON POWER DRIVEN VESSELS UNDER 12 METRES (39.4 FT)

- Chrome plated zinc alloy with flag staff socket
- A-16 replacement only
- CE certified
- I.D. socket 3/4"
- 1 mile visibility

ORDER NO.	Mfr. No.	Description
621-12180	1218DP0CHR	Light (ea)
621-00712	0071DP0CLR	Spare Bulbs (2 card)
621-02590	0259DPALNS	Spare Lens Set Red / Green

- 12 Volts
- Base Dimensions: 6-3/4" x 3-7/8"
- Vertical Height 1-5/8"
- Screw Size #8

Fig. 1218

NOTE: All of the above can be used as 24-volt A.B.Y.C. A-16 certified lights on boats built prior to 11/1/03.
To use as 24-volt lights while maintaining A-16 certification, replace the bulbs provided with Order No. 621-07212 24-volt bulbs.

HORIZONTAL MOUNT SIDE LIGHTS

CERTIFIED FOR USE ON SAIL OR POWER DRIVEN VESSELS UNDER 20 METRES (65.6 FT) IN LENGTH

- Chrome plated zinc alloy top with black polymer base
- Gold plated contacts
- USCG certified 2nm
- CE certified

- 12 Volts
- Length 3-1/4" - Width 2-5/16"
- Vertical Height 5/8"
- Screw Size #8

ORDER NO.	Mfr. No.	Description
621-02280	0228DP0CHR	Sidelights (Pair)
621-00712	0071DP0CLR	Spare Bulbs (2 card)

Fig. 0228

CERTIFIED FOR USE ON SAIL OR POWER DRIVEN VESSELS UNDER 12 METRES (39.4 FT) IN LENGTH

- Chrome plated brass with black polymer base
- USCG certified 1nm
- CE certified

- 12 Volts
- O.D. Base 2-3/8"
- Vertical Height 7/8"
- Screw Size #8

ORDER NO.	Mfr. No.	Description
621-09630	0963DP0CHR	Sidelights (Pair)
621-00712	0071DP0CLR	Spare Bulbs (2 card)
621-02810	0281DPALNS	Spare Lens Set (Red/Green)

Fig. 0963

CERTIFIED FOR REPLACEMENT USE ONLY ON SAIL OR POWER DRIVEN VESSELS UNDER 12 METRES (39.4 FT) IN LENGTH

- Chrome plated brass with black polymer base
- 1 mile visibility

- 12 Volts
- Length 4-1/4" - Width 2-3/8"
- Vertical Height 7/8"
- Screw Size #4

ORDER NO.	Mfr. No.	Description
621-09150	0915DP0CHR	Sidelights (Pair)
621-00712	0071DP0CLR	Spare Bulbs (2 card)
621-02810	0281DPALNS	Spare Lens Set (Red/Green)

Fig. 0915

VERTICAL MOUNT SIDE LIGHTS

CERTIFIED FOR USE ON SAIL OR POWER DRIVEN VESSELS UNDER 12 METRES (39.4 FT) IN LENGTH

- Chrome plated brass with black polymer base
- USCG certified 1nm
- CE certified

- 12 Volts
- Length 4-1/4" - Width 2-3/8"
- Vertical Height 5/8"
- Screw Size #4

ORDER NO.	Mfr. No.	Description
621-09550	0955DP0CHR	Sidelights (Pair)
621-00712	0071DP0CLR	Spare Bulbs (2 card)
621-02600	0260DP0LNS	Spare Lens Set (Red/Green)

Fig. 0955

NOTE: All of the above can be used as 24-volt A.B.Y.C. A-16 certified lights on boats built prior to 11/1/03.
To use as 24-volt lights while maintaining A-16 certification, replace the bulbs provided with Order No. 621-07212 24-volt bulbs.

1 MILE PULSAR™ Sidelights

Twist/bayonet lock design secures lens and cover to base. Includes a 9-watt (#906),wedge base lamp and 7" wire leads for connection to 12 VDC power supply. Installs directly to deck with two #10 fasteners. Cover and lens conceal installation fasteners and seal water out of lamp and hull. For use on boats up to 39.4 ft. (12 meters). USCG certified 1 NM.

BI-COLOUR COMBINATION, HORIZONTAL DECK MOUNT

- Footprint: 2-3/8" Dia.
- Height: 1-7/16"

ORDER NO.	Mfr. No.	Lens Colour	Finish
105-50450*	5045-7	Bi-Colour	Black

*One-mile, 225° light visibility

RED/GREEN PAIR, RAISED BASE

Ideal for use where the light must be elevated for visibility above rails and carpeting. Notch in rear of mounting base provides passage for wire leads. For use on boats up to 39.4 ft. (12 meters). Two pre-drilled holes for required #10 fasteners. USCG certified 1 NM.

- Includes a 9-watt (#906) wedge base lamp
- Footprint: 3-1/8" L x 1" W
- Height: 3"

ORDER NO.	Mfr. No.	Lens Colour	Finish
105-50801*	5080R7	Red	Black
105-50802*	5080G7	Green	Black

*Each light provides one-mile, 112.5° visibility

1 MILE ZAMAK DECK MOUNT SIDELIGHTS

These die-cast ZAMAK sidelights with Perma-Plate® finish provide one-mile visibility for power boats up to 39.4' (12 meters). Mounts on decks or gunwales with external screws. Includes 7.5-watt lamp and 7" hardwire leads for 12 VDC electrical connections.

BI-COLOUR COMBINATION, DECK MOUNT

Housing completely encases socket. Installs with two #8 fasteners (not included). One-mile 225° visibility.

ORDER NO.	Mfr. No.	Dimensions at Base	Repl. Lens Set
106-63750	6375D6	1-3/8"H x 2-3/4"L x 2-1/2"W	106-37525

For more information see:
www.attwoodmarine.com

PLUG-IN POLE LIGHTS

Attwood offers a selection of durable stowaway pole-mounted lights. Plug-in Pole Lights are available in socket styles to fit almost any base - Attwood's 2- & 3-pin bases, or even competitive brands of bases when the 2- or 3-pin Locking Collar pole is specified.

PULSAR™ BI-COLOR COMBINATION SIDELIGHT WITHOUT TASK LIGHT - POLE ONLY

One-mile, 225° red/green light visibility for boats up to 39.4 ft. (12 meters). Available in straight or angled pole. Includes 9-watt wedge base lamp. Installs into most 2-pin bases. Includes optional locking collar. Base not included. USCG certified 1 NM.

105-50910

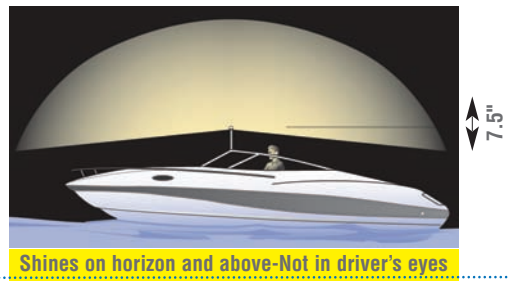
ORDER NO.	Mfr. No.	Description	Pole Type	Pole Length	Fits Base #
105-50910	5091-10-7	2-Pin Standard Pole	Angled	10"	109-11339
105-50920	5092-10-7	2-Pin Locking Collar Pole	Straight	10"	109-91020

ARTICULATING HEAD ANTI-GLARE ALL-ROUND POLE LIGHT

The bottom aperture reduces glare at 7.5° below horizontal. Above horizontal, the continuous arc of light makes the boat more visible to taller craft. The patented Articulating Head adjusts from 15° forward to 15° aft. Just align to the horizon and tighten the adjustment screw! Simplifies inventory because one light fits most angles and installations. Simplifies installation too because the Universal Locking Collar Pole fits 95 percent of existing bases - Attwood models, as well as competitive bases, such as Perko® brand.

Base not included

ORDER NO.	Mfr. No.	Description	Pole Length
105-33042	5330-42-7	2-Pin Locking Collar Pole	42”
105-33048	5330-48-7	2-Pin Locking Collar Pole	48”



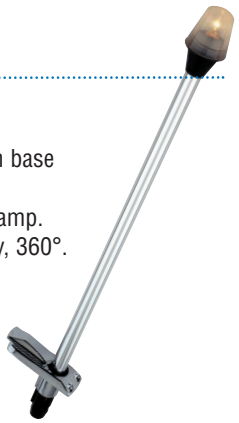
Articulating Head Style

Standard 2- Pin Pole

Aftermarket Dual Locking Collar

STOWAWAY POLE LIGHT WITH PLUG-IN BASE

New lens style for our popular all-round light with standard pole base! Swivel cover on base protects the base socket when light is stowed away. Base extends just 3" below deck. 4"-long x 1-5/8"-wide x 1-3/8"-dia. Includes ZAMAK base and one 9-watt wedge-base lamp. Has three countersunk holes for #10 fasteners. Frosted Globe Lens. Two-mile visibility, 360°. USCG certified 2 NM.



ORDER NO.	Mfr. No.	Description
107-71000	7100A7	24” All-Round Light
107-71001	7100B7	30” All-Round Light
107-71002	7100C7	36” All-Round Light

REPLACEMENT PARTS FOR STOWAWAY LIGHTS

ORDER NO.	Mfr. No.	Description
105-11024	5110-24-7	24” Pole with Locking Collar
105-11030	5110-30-7	30” Pole with Locking Collar
105-11036	5110-36-7	36” Pole with Locking Collar
105-11042	5110-42-7	42” Pole with Locking Collar
105-11048	5110-48-7	48” Pole with Locking Collar
109-11339	911339-7	ZAMAK Base Sub-Assembly
109-91022	91022-7	Black Oval Base, 2-Pin
109-10836	910836B	Replacement Socket Only
425-20906	520906	Replacement Bulb

Base Sub-Assembly
Order No. 109-11339

2-Pin Pole
Standard

INCANDESCENT NAVIGATION LIGHTS

attwood

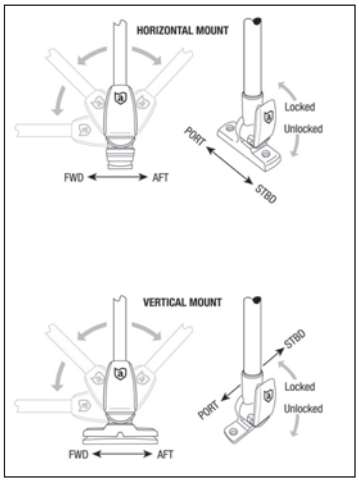
INCANDESCENT ALL-ROUND FOLD-DOWN LIGHTS WITH LIGHTARMOR™ BASES

2-Mile

All Attwood All-Round Fold-Down Navigation Lights include a new durable, easy-to-use, easy-to-install, LightArmor™ Fold-Down Base.

- Robust design provides easy, single-handed cam lock operation
- Built to last in harsh marine environments

- Provides 2-mile, 360˚, illumination for boats up to 39.4 ft. (12m)
- Incandescent All-Round navigation light engine
- Shock, corrosion and water-proof electronics
- Durable, anodized aluminum pole
- Anti-glare lens preserves night vision
- USCG certified
- Assembled with Attwood's new LIGHTARMOR™ bases



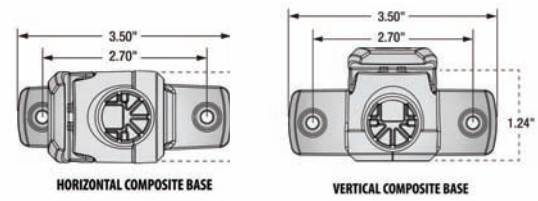
Articulating Anti-Glare
Includes 9-watt wedge base lamp

ANTI-GLARE LIGHTS

Black Composite Base, HORIZONTAL Mount with Adapter

ORDER NO.	Mfr.No.	Pole Length
535-01270	5350-PA12-7	12" Aluminum
535-81270	5358-P12-7	12" Black Plastic
535-02070	5350-PA20-7	20" Aluminum

LIGHTARMOR
Composite Base

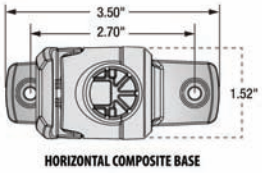


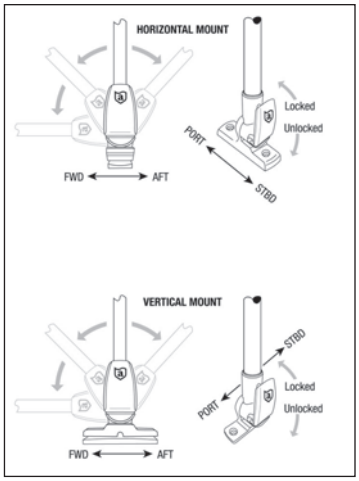
INCANDESCENT FOLD-DOWN ANCHOR/MASTHEAD LIGHTS WITH LIGHTARMOR™ BASES

3-Mile

360˚ light visibility for use on boats up to 65.6 ft. (20 meters)

- 12 Volt
- USCG certified for boats up to 65.6' (20m)
- Robust and easy to use
- Freshwater and saltwater compatible
- Simple, one-piece lens is sealed from water
- Concealed, protected wiring at the base
- Uses two festoon-style 8-watt lamps
- Typical installation requires (2) #10 stainless steel screws of length suitable for deck or rail mount
- Will collapse and not break if accidentally hit
- Easy, single-handed cam-lock operation





Black Composite Base, HORIZONTAL Mount with Rail Adapter

ORDER NO.	Mfr.No.	Pole Length
107-20170	7201-P-7	12" Aluminum
107-20270	7202-P-7	20" Aluminum

Composite Base

LIGHTARMOR

For more information see: www.attwoodmarine.com

TELESCOPING ALL-ROUND POLE LIGHTS

For older-style boats, this light features a die-cast ZAMAK base with locking knob that allows pole to be lowered to the gunwale when not in use. Includes one 12-watt lamp. Has three countersunk holes for #10 fasteners.Note: Adequate clearance is required below deck for pole when lowered. Frosted globe lens. Two-mile visibility, 360°. USCG certified 2 NM.

Stores easily in less space than conventional stern light and can be removed quickly from any Attwood light base.

- Aluminum pole telescopes from 26" to 42"
- Universal Two-Pin Contact
- Locking Collar to ensure light stays in the base
- USCG 2NM - 360˚ illumination for boats up to 65.6 ft. (20m)
- Includes 12-watt lamp

ORDER NO.	Mfr.No.
105-61048	5610-48-7

LIGHTARMOR

NAVIGATION LIGHTS

LED LIGHTS: 1-Mile / 2 Mile

New LightArmor Navigation Lights have all the characteristics that signify the premium LightArmor brand: top-quality materials, robust construction, durability, and sleek design.

- Meets today's global regulatory requirements, including EN/ISO 19009:2015
- Proprietary modular LED light engine technology
- Design flexibility and ease of installation

DECK MOUNT LIGHTS

USCG certified 2-Mile Lights - For use on boats up to 65.6 ft (20 m) in length

Stainless Steel

ORDER NO.	Mfr. No.	Description
102-20027-SS	NV2002SS-7	2-NM, Round, Bi-Colour
102-20127-R	NV2012SSR-7	2-NM, Round, Red, Sidelights, Pair
102-20127-G	NV2012SSG-7	2-NM, Round, Green, Sidelights, Pair

Black Composite

ORDER NO.	Mfr. No.	Description
102-20027	NV2002PB-7	2-NM, Round, Bi-Colour
202-20127-R	NV2012PBR-7	2-NM, Round, Red, Sidelights, Pair
202-20127-G	NV2012PBG-7	2-NM, Round, Green, Sidelights, Pair

VERTICAL MOUNT LIGHTS

USCG certified 2-Mile Lights - For use on boats up to 65.6 ft (20 m) in length

Stainless Steel

ORDER NO.	Mfr. No.	Description
103-30127-R	NV3012SSR-7	2-NM, Round, Red, Pair
103-30127-G	NV3012SSG-7	2-NM, Round, Green, Pair
104-40127-R	NV4012SSR-7	2-NM, Oval, Red, Pair
104-40127-G	NV4012SSG-7	2-NM, Oval, Green, Pair

LED AREA LIGHTING

STAINLESS STEEL LED SPOT LIGHTING - 12VDC

These LED lights exceed the output of comparable halogen lights while using 20% of the power. Fully potted electronics and stainless steel housing allow for interior and exterior mounting. Lights are only 1/4" thick which allows for easy surface applications. These lights are cool to the touch and eliminate the burn hazard that halogen lighting can present. Rated for 50,000+ hours of life.

ORDER NO.	Mfr. No.	Description
106-63400	6340SS7	4" Round, White LED
106-63420	6342SS7	1.5" Round, White LED

6342SS7

6340SS7

2 MILE ALL-ROUND LIGHTS

The lowest power draw of any 2-mile all round light on the market today!

- Proprietary optics design draws only 1.8 watts at 12V DC
- Compatible with both Attwood and Perko bases
- LED technology keeps lights cool to the touch and is rated 50,000+ hours of use
- Lights are completely sealed and watertight
- Provide 2-mile, 360˚ visibility for boats up to 39.4 feet (12m)

LED ARTICULATING ALL-ROUND LIGHTS

- Articulating head adjusts from 15˚ fore to 15˚ aft
- Proprietary optics design draws only 1.8 watts at 12VDC
- Lights are rated for 50,000+ hours of use
- Two-mile, 360˚ visibility for boats up to 39.4 ft. (12m)
- Universal fit locking collar fits 95% of OEM installed pole light bases
- Compatible with both Attwood and Perko plug in bases
- Completely sealed and watertight

LED Straight Pole Light with Articulating Head

ORDER NO.	Mfr. No.	Pole Length
155-30247-1	5530-24A7	24"
155-30367-1	5530-36A7	36"
155-30427-1	5530-42A7	42"
155-30487-1	5530-48A7	48"

Aftermarket Dual Locking Collar

LED FOLDING POLE ALL-ROUND LIGHT

- Folds in half for easy stowage
- Mid-point hinge is corrosion resistant, glass-filled black plastic with a durable hinge pin
- Wiring is sheathed at the hinge for trouble-free operation
- 3 watts at 12V dc

ORDER NO.	Mfr. No.	Pole Length
155-40547-1	5540-54A7	54"

LIGHTARMOR

FAST ACTION NAVIGATION LIGHTS

LightArmor Fast Action Navigation Lights feature our premium LED light engine technology that meets today's global regulatory requirements, including ISO 19009:2015. Plus they're built with top-quality materials for lasting durability, appearance, and performance.

USCG certified 2-Mile Lights - For use on boats up to 39 ft (12 m) in length

- LightArmor LED light engine technology
- Prevents on-board glare
- Impact-resistant polycarbonate lens
- Water resistant: I.P. 67 Certified
- Corrosion / UV resistant
- 2 NM U.S.C.G. Certified
- More secure fit to eliminate rattling when underway
- All-Round lights feature an articulating head that adjusts 15˚ fore to 15˚ aft
- Bi-colour lights feature tell-tale indicator lights to show when lights are on
- LED light engines last for 50,000 hours
- Composite pole bends and returns to its original position
- Fits all Attwood bases including LightArmor™ Plug-in base series

ORDER NO.	Mfr. No.	Description
553-02470	5530-24BP7	24" LED All-Round Light
553-03670	5530-36BP7	36" LED All-Round Light
553-04270	5530-42BP7	42" LED All-Round Light
553-05470	5530-54BP7	54" LED All-Round Light
206-61147-BP	NV6LC1-14BP7	14" LED Bi-Colour Light
206-62147-BP	NV6LC2-14BP7	14" LED Bi-Colour Light with/Task Light

LIGHTARMOR

BI-COLOUR NAVIGATION POLE LIGHTS

USCG certified 2-Mile Lights - For use on boats up to 65.6 ft (20 m) in length

2-Pin, Locking

ORDER NO.	Mfr. No.	Description
106-61147	NV6LC1-14-7	14" Straight
106-61107-A	NV6LC1-10A7	10" Angled
106-61147-A	NV6LC1-14A7	14" Angled

3-Pin, Locking with Task Light

ORDER NO.	Mfr. No.	Description
106-62107	NV6LC2-10-7	10" Straight
106-62147	NV6LC2-14-7	14" Straight

Front View

Back View

Standard 2- Pin Pole

Aftermarket Dual Locking Collar

Note: Locking collar design is compatible only with LightArmour Plug-In Bases.
NV6 Pole Light Series: Use with Light Base (910R2, 901V2, 910T2, 2520, 911339*, 911370*, 911445*) bases.*
NV6 Pole Light Series with task light: Use with (910R3, 901V3, 910T3, 2530) bases.*

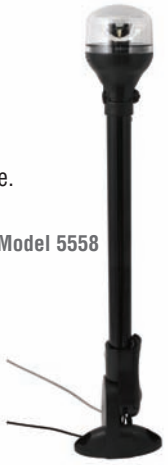
2-Mile

LED ALL-ROUND FOLD-DOWN LIGHTS WITH LIGHTARMOR™ BASES

LIGHTARMOR

All Attwood All-Round Fold-Down Navigation Lights include a new durable, easy-to-use, easy-to-install, LightArmor™ Fold-Down Base that allows light to swing 180˚. In extreme conditions, if a12ft/lb. force hits the base, the cam lock releases and allows base to swing down, reducing the chance of breakage to base or pole. All wiring is concealed and protected within the pivoting base.

- Robust design provides easy, single-handed cam lock operation
- Built to last in harsh marine environments

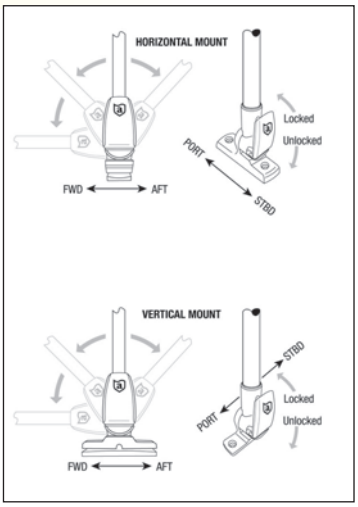


Model 5558

Model 5557

LED Articulating Anti-Glare
Draws 20% less power than traditional all-round lights

- USCG certified
- Provides 2-mile, 360˚, illumination for boats up to 39.4 ft. (12m)
- Operating range = 10.5 VDC - 14.4 VDC
- LightArmor™ All-Round navigation light engine
- 30% lighter light engine than earlier Attwood all-round lights
- Exclusive condensation management increases visibility
- Exclusive anti-glare engine preserves night vision
- Shock, corrosion and water-proof electronics
- Durable, anodized aluminum pole
- Articulating head for use in all applications
- Includes new LightArmor™ Fold-Down Base
- Bases are glass-filled polymer
- Bases install with two #10 fasteners
- Over 50,000 hour life



LIGHTARMOR

LED ANTI-GLARE LIGHTS

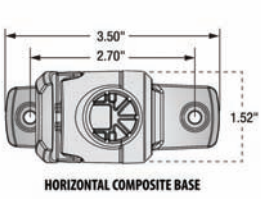
Composite Base, Black-HORIZONTAL Mount with Adapter

ORDER NO.	Mfr.No.	Pole Length
555-71270	5557-P12A7*	12" Aluminum
555-81270	5558-P12A7*	12" Plastic, Black
555-02070	5550-PA20-7*	20" Aluminum

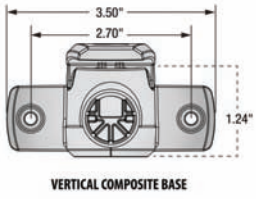
Composite Base, Black-VERTICAL Mount with Adapter

555-07127	5557-PV12A7*	12" Aluminum
555-51207	5551-PA20-7*	20" Aluminum

* All aftermarket packaged lights include rail mount adapter (913670-1)



HORIZONTAL COMPOSITE BASE



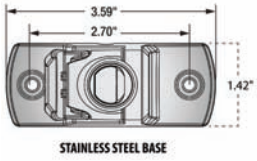
VERTICAL COMPOSITE BASE

3-Mile

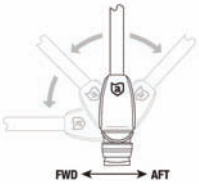
LED ANCHOR/MASTHEAD LIGHT WITH LIGHTARMOR™ BASE

Attwood's 3NM LightArmor™ LED Masthead/Anchor light is one of the first of its kind.

- 12 Volt
- USCG certified for boats up to 65' (20m)
- Provides 3-mile, 360˚ illumination
- Light Armor Anchor/Masthead navigation light engine
- Shock, corrosion and water-proof electronics
- Durable, anodized aluminum pole
- Includes new LightArmor™ Fold-Down Base
  - Cam-lock bases include integrated wire-management
  - Easy, single-handed cam-lock operation
  - Stainless steel
- Over 50,000 hour life



STAINLESS STEEL BASE



LIGHTARMOR

Stainless Steel, HORIZONTAL Mount

ORDER NO.	Mfr.No.	Pole Length
107-78127-SS	7812-S-7	12" Aluminum

LIGHTARMOR

PLUG-IN BASES

Are designed for premium performance, durability, and attractive styling that helps them stand out. This combination of intelligent design and engineering make them worthy of the Light Armor name.

- They're a sure fit - threaded design feature fits perfectly with the threaded locking collar now offered across the entire line of Attwood pole lights. This unique system ensures a tight and secure fit that prevents annoying rattling while underway or trailering
- Plenty of style choices - 3 popular shapes and a range of materials
- Unique cover design ensures that the cover stays in place
- Low-profile prevents water from pooling on the top surface

910V SERIES RECTANGULAR BASE

LIGHTARMOR

Classic rectangular design is available in Black Composite & 316 Stainless Steel.

2-Pin Light Base

ORDER NO.	Mfr. No.	Description
109-91027V	910V2PB-7	Black Composite Cover
109-91027V-SS	910V2SS-7	316 Stainless Steel

3-Pin Light Base

ORDER NO.	Mfr. No.	Description
109-91037V	910V3PB-7	Black Composite Cover
109-91037V-SS	910V3SS-7	316 Stainless Steel

Black Composite

316 Stainless

910R SERIES ROUND BASE

LIGHTARMOR

Classic rectangular design is available in Black Composite & Overmold 306 Stainless Steel (Black).

2-Pin Light Base

ORDER NO.	Mfr. No.	Description
109-91027	910R2PB-7	Black Composite Cover
109-91027-SS	910R2PSB-7	Overmold 306 Stainless Steel Black Cover

3-Pin Light Base

ORDER NO.	Mfr. No.	Description
109-91037	910R3PB-7	Black Composite Cover
109-91037-SS	910R3PSB-7	Overmold 306 Stainless Steel Black Cover

Overmold 306 Stainless/Black

910T SERIES TEARDROP BASE

LIGHTARMOR

Elegant teardrop base is available in Black Composite & 306 Stainless Steel Overmold (Black)

2-Pin Light Base

ORDER NO.	Mfr. No.	Description
109-91027T	910T2PB-7	Black Composite Cover
109-91027T-SS	910T2PSB-7	Overmold 306 Stainless Steel Black Cover

3-Pin Light Base

ORDER NO.	Mfr. No.	Description
109-91037T	910T3PB-7	Black Composite Cover
109-91037T-SS	910T3PSB-7	Overmold 306 Stainless Steel Black Cover

REMOVABLE BI-COLOUR POLE LIGHTS

Removable bi-colour lights are ideal for boats with casting decks on the bow. Unlike conventional bi-colour lights that can stand as high as 2" above the deck, removable bi-colour lights can be unplugged and stowed while fishing.
This leaves only a small flat-topped base. Longer lengths are designed for larger trolling motors.

CERTIFIED FOR USE ON SAIL OR POWER DRIVEN VESSELS UNDER 12 METRES (39.4 FT) IN LENGTH

- Black polymer top and locking collar with red and green lenses
- 3/4" diameter anodized aluminum tube
- Requires 2 pin mounting base
- Gold plated contacts
- USCG certified 1 nm
- CE certified

ORDER NO.	SPARE PARTS
621-00712	Spare Bulbs (2 per card)
621-02830	Spare Lens Set (Red/Green)
621-10450	Mounting Base

ORDER NO.	Mfr. No.	Pole Length	Pole Rake	Volts
621-16121	1612DP2BLK	12"	0º	12

Fig. 1612
ORDER No. 621-16121
Locking Collar Pole
Note: Bases sold separately

Note: Fig. 1612 meets USCG requirements for 12-volt applications. Can also be used as 24-volt A.B.Y.C. A-16 certified lights on boats built prior to 11/1/03. To use as 24-volt lights while maintaining A-16 certification, replace the bulbs provided with Order No. 621-07212 24-volt bulbs.

REMOVABLE BI-COLOUR POLE LIGHTS WITH UTILITY LIGHT

CERTIFIED FOR USE ON SAIL OR POWER DRIVEN VESSELS UNDER 12 METRES (39.4 FT) IN LENGTH

- Black polymer top and locking collar with red and green lenses
- 3/4" diameter anodized aluminum tube
- Deck illuminating utility light
- Stow-a-way plug-in type pole
- Requires 3 pin mounting base
- USCG certified 1nm
- CE certified

ORDER NO.	Mfr. No.	Pole Length	Pole Rake	Volts
621-12111	1211DP2CHR	12-1/2"	0º	12

ORDER NO.	SPARE PARTS
621-00712	Spare Bulbs (2 per card)
621-02680	Spare Lens Set (Red/Green Lens)
621-10453	Mounting Base (3 contact)

Fig. 1211
ORDER No. 621-12111
0º Rake
Locking Collar Pole
Note: Bases sold separately

CERTIFIED FOR USE ON SAIL OR POWER DRIVEN VESSELS UNDER 20 METRES (65.6 FT) IN LENGTH

- Black polymer top and locking collar with red and green lenses
- 3/4" diameter anodized aluminum tube
- Deck illuminating utility light
- Stow-a-way plug-in type pole
- Requires 3 pin mounting base
- USCG certified 2nm
- CE certified

ORDER NO.	Mfr. No.	Pole Length	Pole Rake	Volts
621-14211	1421DP2CHR	12"	0º	12

ORDER NO.	SPARE PARTS
621-00712	Spare Bulbs (2 per card)
621-10453	Spare Mounting Base (3 contact)

Fig. 1421
ORDER No. 621-14211
0º Rake
Locking Collar Pole
Note: Bases sold separately

WHITE ALL-ROUND LIGHTS

DELTA SERIES - UNIVERSAL REPLACEMENT REDUCED GLARE DESIGN

CERTIFIED FOR USE ON POWER DRIVEN VESSELS UNDER 20 METRES (65.6 FT) IN LENGTH

A reduced glare globe preserves night vision while under way. Adjustability of the globe allows for proper horizontal alignment regardless of base configuration.
Delta's combination of features put it in a class by itself - no other pole light system offers more.

- 2 globes - reduced glare and full output
- 2 collars - threaded and locking
- 2 screw positions
- Wide 40° adjustable head
- Gold plated contacts
- Designed to also fit most other manufacturers' bases
- Black polymer top with clear fluted lens
- 3/4" diameter anodized pole
- 12 volt bulb (included)
- USCG certified 2nm
- CE certified

Fig. 1470

Fig. 1451

ORDER NO.	Mfr. No.	Pole Length	Type
621-14704	1470DP4CHR	36"	Straight Pole
621-14705	1470DP5CHR	42"	Straight Pole
621-14706	1470DP6CHR	48"	Straight Pole
621-14516	1451DP6CHR	48"	Fold-in-Half Pole
621-14517	1451DP8CHR	60"	Fold-in-Half Pole

Note: Bases sold separately - see below

SPARE PARTS

Spare Bulbs (2 per card)	ORDER NO. 621-03382
Spare Lens Assembly	ORDER NO. 621-02390
3 Globe Assortment (1 ea. 0238, 0239 & 0239CLR globes)	ORDER NO. 621-00301

ALPHA SERIES - UNIVERSAL WHITE ALL-ROUND LIGHT

CERTIFIED FOR USE ON SAIL OR POWER DRIVEN VESSELS UNDER 20 METRES (65.6 FT) IN LENGTH

Traditional frosted globe allows for all round visibility even when globe orientation is not horizontally aligned. In addition, this design also provides limited cockpit illumination.

- Replacement stow-a-away plug-in type
- Black polymer top with white translucent globe
- Selective use of 2 screw holes and/or collar allows for use in multiple applications
- Gold plated contacts
- Designed to also fit most other manufacturers' bases
- Pole rake 0°
- 3/4" diameter anodized pole
- USCG certified 2nm
- CE certified

Fig. 1400

ORDER NO.	Mfr. No.	Pole Length
621-14002	1400DP2CHR	24"
621-14003	1400DP3CHR	30"
621-14004	1400DP4CHR	36"
621-14005	1400DP5CHR	42"
621-14006	1400DP6CHR	48"
621-14007	1400DP7CHR	54"

Note: Bases sold separately - see below

SPARE PARTS

Spare Bulbs (2 per card)	ORDER NO. 621-37012
White Translucent Globe	ORDER NO. 621-02013

COMPATIBLE BASES FOR DELTA & ALPHA SERIES LIGHTS

ORDER NO.	Mfr. No.	No. of Pins	Tube Angle Degree	Fits Fig. 1470/1451	Fits Fig. 1400	Finish
621-10450	1045P00DP	2	0°	Yes	Yes	Chrome Brass/Black
621-10460	1046P00DP	2	5°	Yes	Yes	Chrome Brass
621-10600	1060PB0DP	2	5°	Yes	Yes	Chrome Zinc/Black
621-10590	1059P00DP	2	16°	Yes	Yes	Chrome Zinc/Black
621-10480	1048P00DP	2	5°	Yes	No	Chrome Brass/Black

PERKO® MADE IN THE USA

INLAND SERIES REDUCED GLARE WHITE ALL-ROUND POLE LIGHTS

CERTIFIED FOR USE ON SAIL OR POWER DRIVEN VESSELS UNDER 20 METRES (65.6 FT) IN LENGTH

The original "Reduced Glare" light, this design helps preserve night vision. In addition, since the amount of light wasted outside of the visibility zone is greatly reduced, this light does not attract as many bugs.

- Stow-a-way plug-in pole
- Clear fluted globe
- Black polymer top
- Contemporary styling
- Gold plated contacts
- USCG certified 2nm
- CE certified
- 12 Volt bulb (included)
- 3/4" diameter anodized pole
- 5° pole rake

Fig. 1445
No. 621-14454
5º Rake
Locking Collar Pole
Note: Bases sold separately

ORDER NO.	Mfr. No.	Pole Length
621-14454	1445DP4CHR	36"
621-14455	1445DP5CHR	42"
621-14456	1445DP6CHR	48"
621-14457	1445DP7CHR	54"

SPARE PARTS ORDERING INFORMATION

ORDER NO.	SPARE PARTS
621-03382	Spare Bulbs (2 per card)
621-02380	Lens Assembly…
621-00301	3 Globe Assort.(1 ea. 0238, 0239, & 0239 CLR)
621-10460	Mounting Base for Fig. 1445
621-10600	Mounting Base for Fig. 1445

FOLD-DOWN COMBINATION MASTHEAD/WHITE ALL-ROUND LIGHTS

CERTIFIED FOR USE ON SAIL OR POWER DRIVEN VESSELS UNDER 12 METRES (39.4 FT) IN LENGTH

- Reduced Glare design
- Black polymer top with clear polymer lens
- Black polymer base
- 3/4" diameter anodized pole
- 12 Volt bulb (included)
- USCG certified 2nm
- CE certified

Fig. 1284
Vertical Mount

ORDER NO.	Mfr. No.	Volts	Vertical Height	Screw Size	Base Mount	Base Dimensions
621-12810	1281DP0CHR	12	12-3/16"	#8	**Horizontal**	2" x 1-1/2"
621-12840	1284DP0CHR	12	12-3/16"	#8	**Vertical**	2-1/4' x 5/8"

See below for spare parts

FOLD DOWN WHITE ALL-ROUND LIGHTS

CERTIFIED FOR USE ON SAIL POWER DRIVEN VESSELS UNDER 20 METRES (65.6 FT) IN LENGTH

For Use on Windshields, T-Tops, Rails, Arches and Hard Tops

- Reduced Glare design
- Black polymer top with clear fluted lens and frosted globe
- Black polymer base
- CE certified
- 12 Volt bulb (included)
- 3/4" diameter anodized pole
- USCG certified 2nm

Fig. 1634
Horizontal Mount

ORDER NO.	Mfr. No.	Volts	Vertical Height	Screw Size	Base Mount	Base Dimensions
621-16340	1634DP0CHR	12	13-3/8"	#8	**Horizontal**	2" x 1-1/2"
621-16370	1637DP0CHR	12	13-3/8"	#8	**Vertical**	2-1/4' x 5/8"

SPARE PARTS ORDERING INFORMATION

SPARE PARTS	Fig. 1281	Fig. 1284	Fig. 1634	Fig. 1637
Spare Bulbs (2 per card)	621-03381	621-03381	621-03382	621-03382
Spare Old Style Zinc Bracket with Knob and End Plug	621-10521	621-10541	621-10520	621-10540
Spare New Style Polymer Bracket with Knob and End Plug	621-10522	621-10542	621-10522	621-10542
Knob For Old Style Bases Only	621-11440	621-11440	621-11440	621-11440

REPLACEMENT PARTS FOR 7300 SERIES MASTHEAD LIGHTS

GLARE SHIELD

Black Polymer

For 3/4" O.D. Tubing. Can be installed without removing light.
Dimensions: 6" x 4-5/16"

ORDER NO. 621-11921
Mfr. No. 1192DP0BLK

For more information see: www.perko.com

PERKO® MADE IN THE USA

FOLD-DOWN COMBINATION MASTHEAD/WHITE ALL-ROUND LIGHTS

CERTIFIED FOR USE ON SAIL OR POWER DRIVEN VESSELS UNDER 20 METRES (65.6 FT) IN LENGTH

- Black polymer and chrome plated zinc alloy top
- Black polymer base
- 3/4" diameter anodized pole
- 12 Volt bulb included
- USCG certified 3nm
- CE certified

Fig. 1184

Fig. 1181

ORDER NO.	Mfr. No.	Volts	Vertical Height	Screw	Base Mount
621-11810	1181DP0CHR	12	12-13/16"	#8	**Horizontal**
621-11840	1184DP0CHR	12	12-13/16"	#8	**Vertical**

Spare Bulbs (2 per card) . . . . . **ORDER NO. 621-00712**
Spare Lenses (2 per card) . . . . . **ORDER NO. 621-02783**
Spare Top and Cap with Screw . . . . . **ORDER NO. 621-11581**
Spare Old Style Zinc Bracket with Knob and End Plug for Fig. 1181 . . . . . **ORDER NO. 621-10521**
Spare New Style Plastic Bracket with Knob and End Plug for Fig. 1181 . . . . . **ORDER NO. 621-10522**
Spare Old Style Zinc Bracket with Knob and End Plug for Fig. 1184 . . . . . **ORDER NO. 621-10541**
Spare New Style Plastic Bracket with Knob and End Plug for Fig. 1184 . . . . . **ORDER NO. 621-10542**

Note: Figs. 1181 & 1184 meet the USCG requirements for 12 & 24 volt applications.
To use Figs. 1181 & 1184 as 24-volt lights, replace the bulbs provided with Order No. 621-07212

FIXED MOUNT COMBINATION MASTHEAD/WHITE ALL-ROUND LIGHTS

CERTIFIED FOR USE ON SAIL OR POWER DRIVEN VESSELS UNDER 20 METRES (65.6 FT) IN LENGTH

- Black polymer and chrome plated zinc alloy top
- Black polymer base
- 3/4" diameter anodized aluminum tube
- 12 Volt bulb included
- USCG certified 3nm
- CE certified

ORDER NO.	Mfr. No.	Volts	Vertical Height	Screw	Base Dimensions
621-11961	1196DP1CHR	12	5-1/16"	#8	1" x 2-5/8"
621-11962	1196DP2CHR	12	11-1/4"	#8	1" x 2-5/8"

Spare Bulbs (2 per card) . . . . . **ORDER NO. 621-00712**
Spare Lenses (2 per card) . . . . . **ORDER NO. 621-02783**
Spare Top Cap with Screw . . . . . **ORDER NO. 621-11581**

Note: Fig. 1196 meets the USCG requirements for 12 & 24 volt applications.
To use Fig. 1196 as 24-volt lights, replace the bulbs provided with Order No. 621-07212

Fig. 1196

PLUG-IN MOUNT COMBINATION MASTHEAD/WHITE ALL-ROUND LIGHT - POLE ONLY

CERTIFIED FOR USE ON SAIL OR POWER DRIVEN VESSELS UNDER 20 METRES (65.6 FT) IN LENGTH

- Black polymer and chrome plated zinc alloy top
- Stow-a-way plug-in type
- Gold plated contacts
- 12 Volt bulb included
- 3/4" diameter anodized pole
- Threaded collar
- USCG certified 3nm
- CE certified

ORDER NO.	Mfr. No.	Volts	Vertical Height	Screw	Pole Rake
621-11251	1125DP499A	12	33-7/8"	#8	16°

Spare Bulbs (2 per card) . . . . . **ORDER NO. 621-00712**
Spare Lenses . . . . . **ORDER NO. 621-02783**
Base with socket assembly . . . . . **ORDER NO. 621-11250**

Note: The above lights meet the USCG requirements for 12 & 24 volt applications.
To use as 24-volt lights, replace the bulbs provided with Order No. 621-07212

Base with Socket Assembly Only

Replacement Pole Light Only Fig. 1125

WHITE ALL-ROUND POLE LIGHT & BASE COMBINATIONS

CERTIFIED FOR USE ON SAIL OR POWER DRIVEN VESSELS UNDER 20 METRES (65.6 FT) IN LENGTH

STOW-A-WAY PLUG-IN TYPE POLE

- Clear fresnel globe
- Chrome plated brass top and base
- Screw on polymer collar
- Waterproof cap and retainer
- Gold plated contacts
- Mounting base and 12 volt bulb included
- 3/4" diameter anodized pole
- USCG certified 2 nm
- CE certified

ORDER NO.	Mfr. No.	Volts	Rake	Vertical Height	Screw Size	Base Dimensions
621-12092	1209DP2CHR	12	16°	21-7/8"	#8	3-3/8" X 2-1/4"
621-12093	1209DP3CHR	12	16°	28-1/2"	#8	3-3/8" X 2-1/4"

Spare Bulbs (2 per card) . . . . . **ORDER NO. 621-37011**
Spare Globe . . . . . **ORDER NO. 621-02482**
Spare Base & Socket . . . . . **ORDER NO. 621-12090**
Spare Bulb & Socket . . . . . **ORDER NO. 621-00242**

Mounting Base included
Fig. 1209

TELESCOPING TYPE POLE

- White translucent globe with black polymer top
- Chrome plated zinc alloy base
- Locking collar on pole
- Mounting base and 12 volt bulb included
- 3/4" diameter anodized pole
- USCG certified 2 nm
- CE certified

ORDER NO.	Mfr. No.	Volts	Rake	Vertical Height	Screw Size	Base Dimensions
621-16112	1611DP2CHR	12	16°	20-1/4"	#8	3-3/4" x 1-5/8"
621-16113	1611DP3CHR	12	16°	26-1/2"	#8	3-3/4" x 1-5/8"
621-16114	1611DP4CHR	12	16°	32-3/8"	#8	3-3/4" x 1-5/8"

Spare Bulbs (2 per card) . . . . . **ORDER NO. 621-37012**
Spare Globe . . . . . **ORDER NO. 621-02013**
Spare Base . . . . . **ORDER NO. 621-10591**

Mounting Base included
Fig. 1611

FOLD-DOWN WHITE ALL-ROUND LIGHTS

CERTIFIED FOR USE ON SAIL OR POWER DRIVEN VESSELS UNDER 20 METRES (65.6 FT) IN LENGTH

- Fold-down, adjustable angle
- White translucent globe
- Black polymer base
- 3/4" diameter anodized pole
- 12 volt bulb included
- USCG certified 2 nm
- CE certified

ORDER NO.	Mfr. No.	Volts	Vertical Height	Screw Size	Base Mount	Base Dimensions
621-11340	1134DP0CHR	12	14"	#8	**Horizontal**	2" x 1-1/2"
621-11370	1137DP0CHR	12	14"	#8	**Vertical**	2-1/4" x 5/8"

Spare Bulbs (2 per card) . . . . . **ORDER NO. 621-37012**
Spare Old Style Zinc Bracket with Knob and End Plug for Fig. 1134 . . . . . **ORDER NO. 621-10520**
Spare New Style Plastic Bracket with Knob and End Plug for Fig. 1134 . . . . . **ORDER NO. 621-10522**
Spare Old Style Zinc Bracket with Knob and End Plug for Fig. 1137 . . . . . **ORDER NO. 621-10540**
Spare New Style Plastic Bracket with Knob and End Plug for Fig. 1137 . . . . . **ORDER NO. 621-10542**

Fig. 1137

Fig. 1134

FIXED MOUNT WHITE ALL-ROUND LIGHT

CERTIFIED FOR USE ON POWER DRIVEN VESSELS UNDER 20 METRES (65.6 FT) IN LENGTH

- Clear fresnel globe
- Black polymer base
- 12 volt bulb included
- Gold plated contacts
- USCG certified 2 nm

ORDER NO.	Mfr. No.	Volts	Vertical Height	Screw Size	O.D. Base Dimensions
621-04551	0455DP1CHR	12	4-1/2"	#8	2"-1/8"

Spare Bulbs (2 per card) . . . . . **ORDER NO. 621-37011**
Spare Globe . . . . . **ORDER NO. 621-02482**

Fig. 0455

For more information see: www.perko.com

NAVIGATION LIGHT REPLACEMENT PARTS

PERKO® MADE IN THE USA

SPARE BASES FOR POLE LIGHTS

Fig. No. 1045 P00

Fig. No. 1059 P00

Fig. No. 1060 PB0

FIG. 1045, 1059-P & 1060-P - PLUG-IN TYPE, WATERPROOF SNAP-ON COVER
Fig. 1045 P00 - Fits Figs. 1211*, 1400, 1421*,1451, 1470 & 1612 Series
Fig. 1059 P00 - Fits Figs. 1400, 1451, & 1470 Series
Fig. 1060 PB0 - Fits Figs. 1212*, 1400, 1422*, & 1470 Series

Locking Collar is Included with Base To Allow Interchangeability with Discontinued Style Bases.

Length Overall	Width Overall	Insert Type	Replaces Old Number	PERKO NO.	ORDER NO.	Tube Angle Degree
2-1/4" O.D.	—	None	1023 P00 CHR	1045 P00 DP	621-10450	0
3-3/4"	1-5/8"	None	1330 000 99A	1059 P00 DP	621-10590	16
3-3/4"	1-5/8"	None	1026 P00 CHR	1059 P00 DP	621-10590	16
3-3/4"	1-3/4"	Black	1027 PB0 CHR	1060 PB0 DP	621-10600	5
3-3/4"	1-3/4"	Teak**	1027 PT0 CHR	1060 PB0 DP	621-10600	5

*Specify 3-Contact Base (e.g., # 621-10453 for Fig. 1211 & 1421
**Teak Insert Bases No Longer Available, Substitute Black Insert Bases.

PLUG-IN TYPE BASE
WATER RESISTANT
SLIDE COVER

Fig. 1046

Fig. 1047

ORDER NO.	Mfr. No.	Overall Length	Overall Width	Tube Angle	Fits Light Series
621-10460	1046P00DP	3-1/2"	1-1/2"	5°	1400, 1451,1470
621-10473*	10473B0DP	3-1/2"	1-1/2"	0°	1211, 1421

*3 Contact Base

PLUG-IN TYPE BASE
WATERPROOF SCREW-ON CAP

Fig. 1125-99A & 1209-99A

ORDER NO.	Mfr. No.	Overall Length	Overall Width	Tube Angle	Fits Light Series
621-11250*	1125DP099A	3-3/8"	2-1/4"	16°	Fig. 1125
621-12090	1209DP099A	3-3/8"	2-1/4"	16°	Fig. 1209

PLUG-IN TYPE BASE
WATERPROOF SNAP-ON COVER
Fig. 1048 - Fits Figs. 1451 & 1470

Overall Length: 3-1/2", Overall Width: 1-7/8"
Tube Angle: 5 degrees.
ORDER NO. 621-10480 (Mfr. # 1048 P00 DP)

PLUG-IN TYPE BRACKET
WATERPROOF SCREW-ON CAP
WITH PLASTIC ADAPTERS FOR "V" OR FLAT MOUNT
Fig. 1123-99A - Horizontal Mount - Fits Fig. 1123

Bracket Dimensions: 2-1/4" x 3/4"
ORDER NO. 621-11230 (Mfr. # 1123DP099A)

Fig. 1124-99A - Vertical Mount - Fits Fig. 1124

Bracket Dimension: 3/4" x 2-1/4"
ORDER NO. 621-11249 (Mfr. # 1124DP099A)

TELESCOPING TYPE BASE
Fig. 1059 T00 - Fits Fig. 1611 Series

Locking Collar is included with Base to Allow Interchangeability with Discontinued Style Bases.
Overall Length: 3-3/4", Overall Width: 1-5/8"
Insert Type: None, Tube Angle: 16 degrees
Replaces: Old # 1156 00 CHR & # 1026 T00 CHR
(Mfr. # 1059 T00 DP)
ORDER NO. 621-10591

FOLD-DOWN BRACKETS

FOR WINDSHIELD MOUNT LIGHTS - Complete with Knob and End Plug

621-10521

621-10522

621-10541

621-10542

Fold-Down, Adjustable Angle Mounting Base With Plastic Adapter for "V" or Flat Mounting Surfaces.
Contains Notch for Through Base Wiring
Horizontal Mount / Fit Fig. 1181 & 1281
Overall Length: 2", Overall Width: 1-1/2"
ORDER NO. 621-10522 - Black Polymer
ORDER NO. 621-10521 - Chrome Plated Zinc Alloy
Vertical Mount / Fit Fig. 1184 & 1284
Overall Length: 2-1/4", Overall Width: 5/8"
ORDER NO. 621-10542 - Black Polymer
ORDER NO. 621-10541 - Chrome Plated Zinc Alloy

ADJUSTABLE ANGLE
with PLASTIC ADAPTERS for "V" or FLAT MOUNT

Fig. No. 1052

Fig. No. 1054

Fig. 1052 - Horizontal Mount - Fits Fig. 1134 & 1634
Overall Length: 2", Overall Width: 1-1/2"
ORDER NO. 621-10520 (Mfr. # 1052DP0CHR)
Fig. 1054 - Vertical Mount - Fits Fig. 1137 & 1637
Overall Length: 2-1/4", Overall Width: 5/8"
ORDER NO. 621-10540 (Mfr. # 1054DP0CHR)

For more information see: www.perko.com

NAVIGATION LIGHT REPLACEMENT PARTS

FOR NAVIGATION LIGHTS ON VESSELS UNDER 20 METRES (65.6 FT.) IN LENGTH

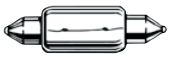
SPARE PARTS - BULBS FIG. 337 - DOUBLE CONTACT BAYONET BASE BULB

Fig. 337

Ordering Information

Nominal Voltage	Wattage	Amps	Bulb Dia.	Bulb Length	Lamp No.	PERKO NO.	ORDER NO.
12	7	.58	3/4"	-	90	0337011DP	**621-37011** (2 per card)
12	11	.94	3/4"	-	1004	0337012DP	**621-37012** (2 per card)
120	15	—	7/8"	-	15T7	0337023DP	**621-37023** (2 per card)

FIG. 69, 70, 71 & 72 FESTOON BULBS DOUBLE- ENDED



Ordering Information

Nominal Voltage	Wattage	Amps	Bulb Dia.	Bulb Length	PERKO NO.	ORDER NO.
12	10	.83	3/8"	1-5/8"	0069DP0CLR	**621-00692**
12	10	.74	3/8"	1-11/16"	0070DP0CLR	**621-00702**
12	15	.97	9/16"	1-11/16"	0070DP1CLR	**621-07012**
12	10	.80	3/8"	1-1/8"	0071DP0CLR	**621-00712**
24	10	.40	3/8"	1-1/8"	0072DP1CLR	**621-07212**

DOUBLE CONTACT BAYONET SOCKET BLACK PLASTIC BODY

Ordering Information

Length Pigtail	O.D.	PERKO NO.	ORDER NO.
10"	3/4"	0024DP1	**621-00241**
60"	3/4"	0024DP2	**621-00242**

NOTE: *See Page 379* for more Perko Bulbs

SPARE PARTS - LENSES

112-1/2° LENSES FOR BI-COLOR/TRI-COLOR LIGHTS

Fig. No. 283

Fig. No. 296

Fig. No. 268

Ordering Information

Color	Height	Width	PERKO NO.	ORDER NO.
Red/Green	1"	1-3/4"	0283DPALNS*	**621-02830**
Red/Green	1-1/4"	1-3/8"	0296DPOLNS*	**621-02960**
Red/Green	1-1/2"	1"	0268DPOLNS	**621-02680**

*One Piece Lens

112-1/2° LENSES FOR SIDE LIGHTS

Fig. No. 281

Fig. No. 260

Ordering Information

Color	Height	Width	PERKO NO.	ORDER NO.
Red/Green	1"	1-9/16"	0281DPALNS*	**621-02810**
Red/Green	1-1/4"	—	0260DPOLNS*	**621-02600**

*Set of 1-Red & 1-Green Lens.

225° LENSES FOR MASTHEAD LIGHTS

Fig. No. 281

Fig. No. 278

Ordering Information

Color	Height	I.D.	O.D.	PERKO NO.	ORDER NO.
Clear	1"	1-9/16"	2-3/16"	0281DPA WHT	**621-02813**
Clear	1-1/2"	1"	1-1/4"	0278DPO WHT*	**621-02783**

*Display Pack - 2 Pcs per card

135° LENSES FOR STERN LIGHTS

Fig. No. 74

Fig. No. 278

Fig. No. 281

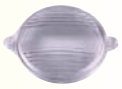


Fig. No. 284

Ordering Information

Color	Height	I.D.	O.D.	PERKO NO.	ORDER NO.
Clear	1-1/4"	1-9/16"	2-3/16"	0074DPO WHT	**621-00743**
Clear	1-1/2"	1"	1-1/4"	0278DPO WHT*	**621-02783**
Clear	1-1/4"	1-9/16"	2-3/16"	0281DPA WHT	**621-02813**
Clear	—	—	2"	0284DPO CLR**	**621-02840**

*Display Pack - 2 Pcs per card
**Includes O-Ring.

360° LENSES FOR ALL-ROUND LIGHTS

Fig. No. 201

Fig. No. 248

Ordering Information

Color	Height	I.D.	O.D.	PERKO NO.	ORDER NO.
White	3"	1-1/2"	1-9/16"	0201DPO WHT	**621-02013**
Clear	2-1/2"	1-11/16"	2"	0248DPO CLR**	**621-02482**

*Display Pack - 2 Pcs per card
**Includes O-Ring.

HORIZONTAL SURFACE MOUNT MASTHEAD LIGHT

CERTIFIED FOR REPLACEMENT USE ONLY ON SAIL OR POWER DRIVEN VESSELS UNDER 12 METRES (39.4 FT) IN LENGTH

- Chrome plated brass
- Black polymer base
- 12 Volt bulb included
- 2 mile visibility
- A-16 Replacement only
- CE certified

ORDER NO.	Mfr. No.	Volts	Vertical Hgt.	Screw	O.D. Base
621-09640	0964DP0CHR	12	7/8”	#4	2-3/8”

Spare Bulbs (2 per card) . . . . . **ORDER NO. 621-00712**
Spare Lens (open top style). . . . . **ORDER NO. 621-02813**

Fig. 964

VERTICAL MOUNT STERN LIGHTS

CERTIFIED FOR USE ON SAIL OR POWER DRIVEN VESSELS UNDER 20 METRES (65.6 FT) IN LENGTH

- Chrome plated brass with black plastic base
- Flush mount
- 12 Volt bulb included
- USCG certified 2 nm
- CE certified

ORDER NO.	Mfr. No.	Volts	Dimensions	Depth	Screw Size
621-09390	0939DP112V	12	5-3/16” x 3-3/8”	1-1/2”	#8

Spare 12V Bulbs (2 per card) . . . . . **ORDER NO. 621-00702**
Spare Lens with Gasket . . . . . **ORDER NO. 621-02840**

Fig. 939

CERTIFIED FOR USE ON SAIL OR POWER DRIVEN VESSELS UNDER 20 METRES (65.6 FT) IN LENGTH

- Chrome plated brass bezel with black polymer base
- Flush mount
- 12 Volt bulb included
- USCG certified 2 nm
- CE certified

ORDER NO.	Mfr. No.	Volts	Depth	Screw Size	O.D. Base
621-09460	0946DP112V	12	1”	#8	3"

Spare 12V Bulbs (2 per card) . . . . . **ORDER NO. 621-00702**
Spare Lens with Gasket . . . . . **ORDER NO. 621-09469**

Fig. 946

INNOVATIVE LIGHTING inc.™

TWO-MILE NAVIGATION LIGHTS

- Polished stainless steel cover
- Operates 9-16 volt DC systems
- For powerboats under 20 meters (65.6 Ft.)
- 50,000 hours of service life
- Transparent lens
- Cool to the touch
- Stainless steel housing
- Hard wire leads
- Size 3.45" L x 2.6" W x 1.65" D
- Mounting hardware included

TWO-MILE LED COMBINATION SIDELIGHT DECK MOUNT

- 6 LED configuration
- Uses 1 watt of energy

ORDER NO.	Mfr. No.	Description
550-12007	550-1200-7	LED Combo Sidelight

TWO-MILE LED SIDELIGHTS DECK MOUNT

- 3 LED configuration
- Uses 1/2 watt of energy

ORDER NO.	Mfr. No.	Description
552-12007	552-1200-7	LED Sidelights Starboard & Port

For more information see: www.innovativelight.com

PERKO® MADE IN THE USA

STEALTH SERIES LED HORIZONTAL MOUNT BI-COLOUR LIGHT

CERTIFIED FOR USE ON POWER DRIVEN VESSELS UNDER 12 METRES (39.4 FT) IN LENGTH

- Stainless steel construction • Dimensions: 2-1/2"(L) x 2-5/8"(W)
- Ultra low profile • Vertical Height: 1/2"
- 12 Volt • Screw Size: #8
- USCG certified 1nm

ORDER NO.	Mfr. No.
621-06151	0615DP2STS

Fig. 0615

STEALTH SERIES LED HORIZONTAL MOUNT SIDE LIGHTS

CERTIFIED FOR USE ON POWER DRIVEN VESSELS UNDER 12 METRES (39.4 FT) IN LENGTH

- Stainless steel construction • Dimensions: 2-1/2"(L) x 2-5/8"(W)
- Ultra low profile • Vertical Height: 1/2"
- 12 Volt • Screw Size: #8
- USCG certified 1nm

ORDER NO.	Mfr. No.
621-06161	0616DP2STS

Pair Fig. 0616

For more information see: www.perko.com

LED PORTABLE LIGHT KITS

Be seen and be safe with these compact and portable LED navigation lights. All new portable navigation lights are more durable, easier to use, and include Attwood's strongest mounting and pole configurations. Ideal for personal watercraft, camping, and hunting. Kits include red/green LED bow light, white LED stern light, quick-release mounts, pole, and hardware.

- New water-resistant bow and stern navigation lights
- Attwood's most durable, portable LED navigation light engines
- Sealed electronics, built to last in harsh conditions
- Sealed, shock-proof composite housing
- Shatter-proof polycarbonate lens
- 150+ hour run-time on three AAA batteries (not included)
- New telescoping and threaded poles
- New heavy-duty C-clamp and kayak pad mounting option

Clamp-On LED Light Kits

ORDER NO.	Mfr.No.	Pole Style	Mounting Style	Finish
101-14190	14190-7	Threaded	C-Clamp	Marine Grey
101-14191	14191-7	Threaded	C-Clamp	Real Tree® Max-4 Camouflage
101-14194	14194-7	Telescoping	C-Clamp	Marine Grey
101-14195	14195-7	Telescoping	C-Clamp	Real Tree® Max-4 Camouflage

ROUND TRANSOM LIGHT - 3"

Light provides 2-mile, 135° transom visibility for pleasure craft up to 164 ft. (50 m) in length. 304 stainless steel with a plastic body and watertight lamp socket. Round transom light body is translucent, so it shines on both sides of a bulkhead! Can be used to light an interior compartment and may also be used as a cockpit courtesy light. Rubber gasket seals lens and body to mounting surface. Includes (2) stainless steel #10 screws.
7.5 watts at 12-volt DC
Vertical, flush mount
Patented design

ORDER NO.	Mfr. No.	Description
106-63560	6356D7	Stainless Steel

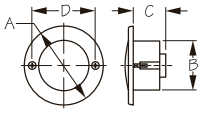
For more information see: www.attwoodmarine.com

ROUND TRANSOM LIGHT

Stamped 304 Stainless

ORDER NO.	Mfr. No.
424-00135	400135-1

A	B	C	D
3-1/8"	2"	1-1/4"	2-1/2"

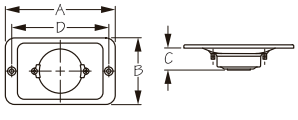


RECTANGULAR TRANSOM LIGHT

Stamped 304 Stainless

ORDER NO.	Mfr. No.
424-00136	400136-1

A	B	C	D
5-1/8"	3-1/8"	1"	4-9/16"



For more information see: www.sea-dog.com

PORTABLE LED NAVIGATION LIGHTS

- Requires 4 “AA” Batteries (Not Included)
- Molded one-piece white body construction
- Shock resistant neoprene accents
- Rated at 100,000 hours LED service life
- Uses 90% less energy than incandescent
- Sealed heavy-duty on/off switch
- Insert molded brass threaded mounting bushings
- Removable lamp carriage assembly
- 1 LED
- Dimensions: 6.18"L x 2.53W

560-11117

560-11127

560-21137

560-21107

560-21127

ORDER NO.	Mfr. No.	Description
560-11117	560-1111-7	LED Bow Light w/Universal “C” Clamp
560-21137	560-2113-7	LED Stern Light w/18” Pole & Univ. “C” & “U” Clamp
560-11127	560-1112-7	Bow Light w/ 2" Stud Mount Inflatable Base with attached Lanyard & Stainless Steel “D” Ring
560-21107	560-2110-7	Stern Light w/ Screw On/Off Suction Cup
560-21127	560-2112-7	Stern Light w/ 2" Stud Mount Inflatable Base w/attached Lanyard & Stainless Steel "D" Ring

For more information see: www.innovativelight.com

MULTI-FUNCTION LED SPORT LIGHT

attwood

This durable, water-resistant, multi-purpose light can be used as a bright 300 white lumen flood light or 50 lumen red beam for improved night vision. Ideal for fishing, boating, hunting, camping, and more.

- UV mode for charging ultraviolet fishing lures and line
- Offers four mounting options and 360˚ rotation
- Includes an adapter for use with the Attwood rod holder mount
- Requires six AA batteries (not included)
- Mounting clamp fits up to 3"

ORDER NO.	Mfr. No.	Description
101-14185	14185XFS-7	Grey

For more information see: www.attwoodmarine.com

NAVIGATION LIGHT REPLACEMENT PARTS

OVAL 2-PIN PLUG-IN BASE FOR ANGLED POLE

Horizontal Deck Mount

- 2-Pin Contact Sockets
- For Locking Collar Poles
- Contacts are nickel-plated to resist corrosion and multi-crimped for durability
- Wire leads are tinned for corrosion resistance
- Fits Pole Light: 5091-10-7, 5110 Series, 5330 Series

ORDER NO.	Mfr. No.	Description
109-91022	91022-7	Black, Oval Base

ZAMAK 2-PIN PLUG-IN BASE FOR 12° ANGLED POLE

Horizontal Deck Mount

- Base is constructed of die-cast ZAMAK with Perma-Plate® chrome finish.
- 2-Pin Contact Sockets
- For Standard Poles
- For 12˚ Angled Poles
- Contacts are nickel-plated to resist corrosion and multi-crimped for durability.
- Wire leads are tinned for corrosion resistance.
- Fits Pole Light: 5091-10-7*, 5110 Series, 5330 Series

*** When locking collar is removed**

ORDER NO.	Mfr. No.	Description
109-11339	911339-7	Chrome-Plated Angled Base

105-42471

912-75270

912-02170

REPLACEMENT GLOBES FOR ALL-ROUND LIGHTS

ORDER NO.	Mfr. No.	Description	Fits Pole Light Series
105-42471	5424-71-1	Globe (Early Attwood models)	4900, 5400, 5401
912-75270	912852-7	Anti-Glare (new style)	5300, 5310, 5320, 5330, 5340
912-02170	912021-7	Anti-Glare for Pole Lights (old style)	3900

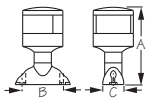
LED WAKETOWER ALL-ROUND LIGHT

Compact size designed for installation on a wakeboard tower, radar arch, hard top, poling platform, tuna tower, or other fixed structure.

- 3 Watts at 12 Vdc
- Fully sealed electronics
- 2NM 360˚ visibility
- For pleasure craft up to 39.4 ft. (12 meters)
- 2-3/8" diameter x 1-3/4" height
- 12" wire leads
- USCG Certified

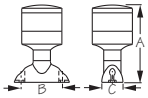
Note: Direct LED replacement for Attwood's incandescent 5940 series deck mount lights.

ORDER NO.	Mfr. No.
105-55807	5580A7



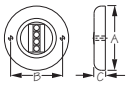
LED MASTHEAD LIGHT
12 Volt DC
Injection Molded Polycarbonate
- Approved for USCG 2NM (Colreg 2 mile)

ORDER NO.	Mfr. No.	A	B	C	Fastener
424-00022 Ea	400022-1	4-5/16"	2-1/4"	1-1/8"	#12 RH



LED ALL AROUND LIGHT
12 Volt DC
Injection Molded Polycarbonate
- Approved for USCG 2NM (Colreg 2 mile)

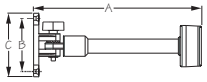
ORDER NO.	Mfr. No.	A	B	C	Fastener
424-00042 Ea	400042-1	4-5/16"	2-1/4"	1-1/8"	#12 RH



LED TRANSOM LIGHT
12 Volt DC
Stamped 304 Stainless
- Approved for USCG 2NM (Colreg 2 mile)

ORDER NO.	Mfr. No.	A	B	C	Fastener
424-00033 Ea	400033-1	3-1/4"	2-1/2"	9/16"	#12 RH

For more information see: www.sea-dog.com



LED FOLD DOWN ALL AROUND PONTOON LIGHT
12 Volt DC
Injection Molded Polycarbonate
- Approved for USCG 2NM (Colreg 2 mile)
- Mounts on 1-1/4" square tubing

ORDER NO.	Mfr. No.	A	B	C	Fastener
424-00023 Ea	400023-1	9"	2-7/8"	3-3/8"	#10 RH
424-00026 Ea	400026-1	24"	2-7/8"	3-3/8"	#10 RH

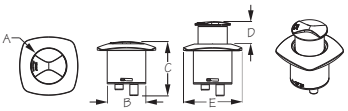
SEA-DOG LINE QUALITY MARINE GEAR

NEW!

LED POP-OUT COMBINATION BOW LIGHT

Investment Cast 316 Stainless Steel/ABS

- Waterproof IP67 rating



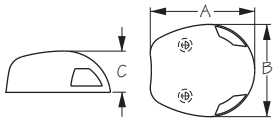
ORDER NO.	Mfr. No.	Light Arc	A	B	C	D	E	NMMA Type Accepted #
424-00054	400054-3	10 pts	2-3/8"	2-5/8"	3-7/8"	1-3/8"	3-15/16"	2602060

Approved for USCG 2 NM (Colreg 2 mile). A simple twist of the cap allows the light to pop up, ready to use when it's switched on. Push the cap down, twist to lock, and light disappears into the deck. Constructed of corrosion resistant investment cast stainless steel cap and bezel. Installs with three #10 fasteners (included).

LED COMBINATION BOW LIGHT

Stamped 304 Stainless

- Approved for USCG 2 NM (Colreg 2 mile)

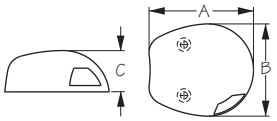


ORDER NO.	Mfr. No.	A	B	C	Fastener
424-00059	400059-1	2-9/16"	2-1/4"	1"	#8 FH

LED TOP MOUNT SIDE LIGHTS (Pair)

Stamped 304 Stainless

- Includes Port (Red) and Starboard (Green) Lights



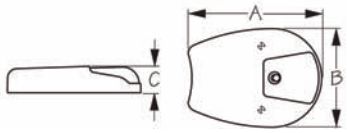
ORDER NO.	Mfr. No.	A	B	C	Finish	Fastener
424-00069	400069-1	2-9/16"	2-1/4"	1"	Stainless	#8 FH

LED Navigation Lights 400068 are approved for USCG 1 NM (Colreg 1 mile). LED Navigation Lights 400069 are approved for USCG 2 NM (Colreg 2 mile). 400068, and 400069 have an IP67 waterproof rating. The base material for the 400068 is Zamak, and the base material for the 400069 is cast 316 stainless steel. Note: All USCG approved navigation lights must be mounted properly to provide the correct visual alignment and allow unimpeded sight lines.

LED SIDE MOUNT SIDE LIGHTS (Pair)

Stamped 304 Stainless or Injected Molded ABS

- Includes Port (Red) and Starboard (Green) Lights
- Approved for USCG 1 NM (Colreg 1 mile) ***#400078-1***
- Approved for USCG 2 NM (Colreg 2 mile) ***#400079-1***



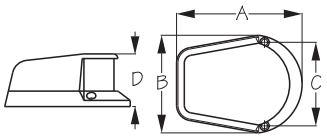
ORDER NO.	Mfr. No.	A	B	C	Finish	Fastener
424-00078	400078-1	3-9/16"	2-5/8"	3/4"	Black	#8 FH
424-00079	400079-1	3-9/16"	2-5/8"	3/4"	Stainless	#8 FH

Note: All USCG approved navigation lights must be mounted properly to provide the correct visual alignment and allow unimpeded sight lines. Please refer to the United States Coast Guard regulations for 1NM and 2NM navigation lights for more information.

COMBINATION BOW LIGHT – LOW PROFILE

Die Cast Chrome Zinc

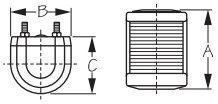
Note: Not for new construction, for replacement of existing lighting



ORDER NO.	Mfr. No.	A	B	C	D
424-00157	400157-1	4-1/16"	3-3/16"	2-11/16"	1-11/16"
424-41854	441854-1	Replacement Bulb			

MASTHEAD LIGHT

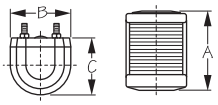
Injection Molded Polycarbonate/ Stamped Stainless Steel



A	2-7/8"
B	2-3/16"
C	2-1/8"
MFR. NO.	400001-1
ORDER NO.	**424-00001**

STERN LIGHT

Injection Molded Polycarbonate/ Stamped Stainless Steel

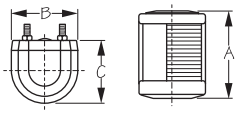


A	2-7/8"
B	2-3/16"
C	2-1/8"
MFR. NO.	400002-1
ORDER NO.	**424-00002**

Note: NMMA Certified for use on vessels under 39'. NMMA Code 748400 meets ABYC standard A-16.

SIDE LIGHTS

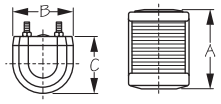
Injection Molded Polycarbonate/ Stamped Stainless Steel



A	2-7/8"
B	2-3/16"
C	2-1/8"
MFR. NO.	400003-1 (PORT)
ORDER NO.	**424-00003**
MFR. NO.	400004-1(STARBOARD)
ORDER NO.	**424-00004**

COMBINATION BOW LIGHT

Injection Molded Polycarbonate/ Stamped Stainless Steel

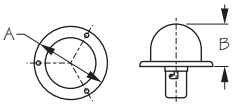


A	2-7/8"
B	2-3/16"
C	2-1/8"
MFR. NO.	400005-1
ORDER NO.	**424-00005**

Note: NMMA Certified for use on vessels under 39'. NMMA Code 748100 meets ABYC standard A-16.

ALL AROUND LIGHT

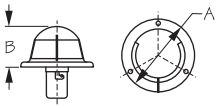
Stamped 304 Stainless



LIGHT ARC	32 PTS
A	2-5/16"
B	1-5/16"
FASTENER	# 4 RH
MFR. NO.	400140-1
ORDER NO.	**424-00140**
REPLACEMENT LENS	**424-00121**

COMBINATION BOW LIGHT

Stamped 304 Stainless

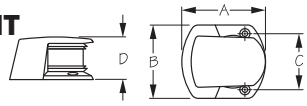


LIGHT ARC	20 PTS
A	2-5/16"
B	1-3/8"
FASTENER	# 4 RH
MFR. NO.	400150-1
ORDER NO.	**424-00150**
REPLACEMENT LENS	**424-00151**

Has not been tested to International Standards.

COMBINATION BOW LIGHT

Die Cast Chrome Zinc

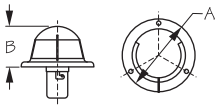


A	2-7/8"
B	2-9/16"
C	1-15/16"
D	1-1/2"
MFR. NO.	400155-1
ORDER NO.	**424-00155**

Has not been tested to International Standards.

TOP MOUNT SIDE LIGHT

Stamped 304 Stainless



LIGHT ARC	10 PTS
A	2-5/16"
B	1-3/8"
FASTENER	# 4 RH
MFR. NO.	400165-1
ORDER NO.	**424-00165** (PAIR)
REPLACEMENT LENS	**424-00161**

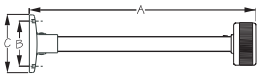
One pair includes one starboard (green) and one port (red)
Has not been tested to International Standards.

Note: Above lights are not for new construction, use for replacement of existing Lighting.

LED FIXED MOUNT ALL AROUND LIGHT

Injection Molded Nylon/Chrome Plated Zinc

- Approved for USCG 2 NM (Colreg 2 mile). 12 volt DC

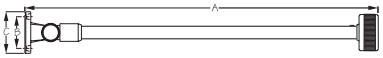


ORDER NO.	Mfr. No.	A	B	C	Fastener
424-00010(Ea)	400010-1	4"	2-3/8"	2-15/16"	#8 FH

LED FOLD DOWN ALL AROUND LIGHT

Injection Molded Nylon/Chrome Plated Zinc

- Approved for USCG 2 NM (Colreg 2 mile). 12 volt DC

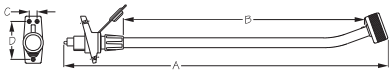


ORDER NO.	Mfr. No.	A	B	C	Fastener
424-00012(Ea)	400012-1	9"	1-7/8"	2-1/2"	#8 FH

LED REMOVABLE ALL AROUND LIGHT

Injection Molded Nylon/Chrome Plated Zinc

- Approved for USCG 2 NM (Colreg 2 mile). 12 volt DC

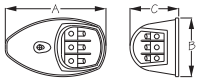


ORDER NO.	Mfr. No.	A	B	C	D	Fastener
424-00015(Ea)	400015-1	24-5/8"	18-1/2"	5/8"	2-7/8"	#8 FH

LED NAVIGATION LIGHTS

Polycarbonate

- One pair includes port & starboard lights
- Approved for USCG 2 NM (Colreg 2 mile)

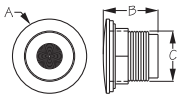


ORDER NO.	Mfr. No.	A	B	C	Finish	Fastener
424-00071(Pair)	400071-1	3-7/8"	2-1/4"	1-7/8"	White	#8 FH

LED LIVEWELL LIGHT

Injection Molded Polycarbonate

LED Livewell Light is secured by screwing mounting ring from the back to the surface. Features a low profile and includes water resistant gasket and integral molded lens allowing it to be used as a livewell light, etc.

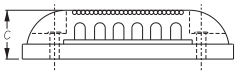


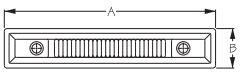
ORDER NO.	Mfr. No.	A	B	C	Colour
424-01525(Ea)	401525-1	1-1/2"	1-1/2"	7/8"	White

LED STRIP LIGHT

Plastic

LED Strip Light has 6 LED's in each light and is rated at 12 VDC. Low amp draw.





ORDER NO.	Mfr. No.	A	B	C	Colour
424-01450(Ea)	401450-1	3-15/16"	3/4"	15/16"	White

AIRHEAD

ADULT PFD VEST / UNIVERSAL (OPEN SIDE) - OVER 90 LBS.

ORDER NO.	Mfr. No.	Size / Chest Size	Colour
737-30002-15R	30002-15-A-RD	UNIVERSAL / 30" - 52"	Red
737-30002-16R	30002-16-A-RD	UNIVERSAL XL / 50" - 60"	Red
737-30002-15B	30002-15-A-BL	UNIVERSAL / 30" - 52"	Blue
737-30002-16B	30002-16-A-BL	UNIVERSAL XL / 50" - 60"	Blue

ADULT PFD VESTS / UNIVERSAL (OPEN SIDE)
4 PACK with CLEAR BAG

NEW!

ORDER NO.	Mfr. No.	Size / Chest Size	Colour
737-30002-25R	30002-25-A-RD	UNIVERSAL 4 Pack / 30" - 52"	Red
737-30002-25B	30002-25-A-BL	UNIVERSAL 4 Pack / 30" - 52"	Blue

CHILD

YOUTH

CHILD - 30-50 LBS./ YOUTH - 50-90 LBS.
PFD VESTS

ORDER NO.	Mfr. No.	Size / Chest Size	Colour
737-30002-02R	30002-02-A-RD	CHILD / 22" - 25"	Red
737-30002-02B	30002-02-A-BL	CHILD / 22" - 25"	Blue
737-30002-03R	30002-03-A-RD	YOUTH / 26" - 29"	Red
737-30002-03B	30002-03-A-BL	YOUTH / 26" - 29"	Blue

WATER OTTER ELITE

- Harmonized Transport Canada Level 70 Approved / U.S. Coast Guard - UL 12402-5
- Kwik Dry™ NeoLite™ Shell
- Lightweight PE foam
- Patented Freedom Armbands

NEW!

ORDER NO.	Mfr. No.	Size
737-10002-307	10000-02-307	CHILD / 33-55 lbs. (15-32 kg)

For more information see: www.airhead.com

FLOTATION DEVICES

NEW!

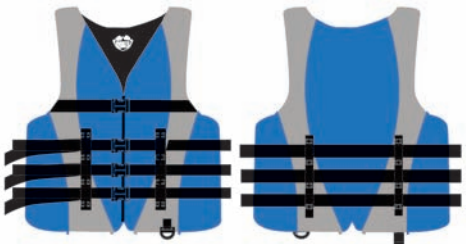
UNIVERSAL ADULT VEST

ORDER NO.	Mfr. No.	Size / Chest Size	Colour
337-20005	WK-19300-CC-R	UNIVERSAL / 30" - 52"	Red
337-20006	WK-19300-CC-O/R	UNIVERSAL XL / 50" - 60"	Red
337-20005-1	WK-19300-CC-B	UNIVERSAL / 30" - 52"	Blue
337-20006-1	WK-19300-CC-O/B	UNIVERSAL XL / 50" - 60"	Blue

4 UNIVERSAL ADULT VESTS / 4 PACK with BAG

ORDER NO.	Mfr. No.	Size / Chest Size	Colour
337-20005-4	WK-19300-4PK-CC-R	UNIVERSAL 4 Pack / 30" - 52"	Red

337-20005-4



NEW!

ADULT PFD VEST

ORDER NO.	Mfr. No.	Size / Chest Size	Colour
337-20022	WK-30120-S/M-CC	S/M / 32" - 40"	Blue / Grey
337-20023	WK-30120-LG/LXL-CC	L/XL / 42" - 50"	Blue / Grey
337-20024	WK-30120-2XL/3XL-CC	XXL/XXXL / 52" - 60"	Blue / Grey

ADULT UNIVERSAL VEST

• ULC/DOT Approved / • One Size Fits All

ORDER NO.	Mfr. No.	Universal Size	Colour
391-30020	WK-30020	One Size fits all Chest: 35" to 52"	Blue/Grey/Yellow

4 KEYHOLE PFD'S / 4 PACK with BAG

ORDER NO.	Mfr. No.	Size / Chest Size	Colour
337-24000	WK-30220-KEYHOLE-CC	UNIVERSAL 4 Pack / 30" - 52"	Red

For more information see:
www.www.whiteknucklesports.com

ADULT NYLON LIFE VESTS

- *Zip Closure with Adjustable Belt - For secure fit*
- *Flexible Foam Core - Soft design for extra comfort*
- *Sturdy Nylon Exterior - Enhanced durability*
- *Transport Canada / U.S. Coast Guard Approved versions*

MEN'S ADULT NYLON VEST - 90 LBS & OVER

ORDER NO.	Mfr. No.	Size / Chest Size	Colour
391-30322-1	WK-30322-XS	XS / 28" - 32"	Blue / Black
391-30322-2	WK-30322-S/M	SM/MD / 32" - 40"	Blue / Black
391-30322-3	WK-30322-L/XL	LG/XL / 40" - 48"	Blue / Black
391-30322-4	WK-30322-2XL/3XL	2XL/3XL / 50" - 60"	Blue / Black

NEW!

WOMEN'S ADULT NYLON VEST - 90 LBS & OVER

ORDER NO.	Mfr. No.	Size / Chest Size	Colour
391-30422-1	WK-30422-XS	XS / 28" - 32"	Purple / Black
391-30422-2	WK-30422-S/M	SM/MD / 32" - 40"	Purple / Black
391-30422-3	WK-30422-L/XL	LG/XL / 40" - 48"	Purple / Black

NEW!

NEOPRENE LIFE VESTS

- *Coast Guard Approved*
- *Hinge Points Maximize Comfort*
- *100% PVC Foam*

AKŌNA®

MEN'S ADULT NEOPRENE VEST

NEW!

ORDER NO.	Mfr. No.	Size / Chest Size	Colour
391-32022-1	AK-32022-XS	XS / 32" - 35" (Teen)	Blue / Black
391-32022-2	AK-32022-SM	SM / 34" - 36"	Blue / Black
391-32022-3	AK-32022-MD	MD / 38" - 40"	Blue / Black
391-32022-4	AK-32022-LG	LG / 42" - 44"	Blue / Black
391-32022-5	AK-32022-XLG	XL / 46" - 48"	Blue / Black
391-32022-6	AK-32022-2XLG	XXL / 50" - 52"	Blue / Black

AKŌNA®

WOMEN'S ADULT NEOPRENE VEST

NEW!

ORDER NO.	Mfr. No.	Size / Chest Size	Colour
391-32122-1	AK-32122-XS	XS / 29" - 33" (Teen)	Turquiose / Black
391-32122-2	AK-32122-SM	SM / 34" - 36"	Turquiose / Black
391-32122-3	AK-32122-MD	MD / 36" - 39"	Turquiose / Black
391-32122-4	AK-32122-LG	LG / 40" - 43"	Turquiose / Black
391-32122-5	AK-32122-XLG	XL / 44" to 47"	Turquiose / Black

LIFE JACKET / SAFETY KIT BAG

- *(Room for Lifejackets & Safety Equipment)*

ORDER NO.	Mfr. No.	Universal Size	Colour
391-35591	WK-85019	Lifejacket Storage Bag	Navy

26" x 17" x 12"

For more information see: www.whiteknucklesports.com

AKONA®

NEW!

YOUTH NEOPRENE VEST

ORDER NO.	Mfr. No.	Size / lbs.	Chest	Colour
391-32222-B	AK-32222B	Youth **Boys**, 50-90 lbs.	25" - 29"	Lime Green
391-32222-G	AK-32222G	Youth **Girls**, 50-90 lbs.	25" - 29"	Turquoise/Pink

391-32222-B

391-32222-G

AKONA®

NEW!

CHILDS NEOPRENE VEST

ORDER NO.	Mfr. No.	Size / lbs.	Colour
391-32322-B	AK-32322B	Childs **Boys**, 30-50 lbs.	Lime Green/Blue
391-32322-G	AK-32322G	Childs **Girls**, 30-50 lbs.	Lime Green/Yellow/Pink

391-32322-B

391-32322-G

AKONA®

NEW!

INFANT NEOPRENE VEST

ORDER NO.	Mfr. No.	Size / lbs.	Colour
391-32322-I	AK-32322I	**Infant**, Up to 30 lbs.	Lime Green/Yellow

A/M 24 AUTO/MANUAL INFLATABLE LIFEJACKETS

NEW!

- Automatically inflates upon immersion in water or when wearer pulls the inflation handle
- Convertible from AUTO/MANUAL inflation to MANUAL ONLY inflation
- Lightweight, low profile design keeps you cool
- Soft neoprene neckline for all day comfort
- Durable ripstop fabric resists tears and punctures
- Approved by Transport Canada for persons 16 years of age and older, over 36.3 kg (80 ibs.)

Onyx | ABSOLUTE OUTDOOR

ORDER NO.	Mfr. No.	Size / lbs.	Colour
433-50333	132001-500-004-15	Adult Universal / Over 80 lbs.	Blue
433-60526	132001-105-004-18	Adult Universal / Over 80 lbs.	Pink

M-24 REARMING KIT

- 24 gram CO_2 cylinder
- Green indicator tab
- Fits Onyx manual inflatable lifejackets

ORDER NO.	Mfr. No.
433-02288	135000-701-999-12

A/M-24 AUTO/MANUAL REARMING KIT

- 24 gram CO_2 cylinder
- Yellow water soluable bobbin & green indicator tab
- Fits Onyx 24 gram Automatic/Manual manual inflatable lifejackets

ORDER NO.	Mfr. No.
433-02295	135200-701-999-12
Replacement Bobbin	
433-63760	139800-300-999-17

UNIVERSAL ADULT PADDLE LIFE JACKET - RED

Offering comfort & performance for all paddlers with a "flex-cut" paddle-specific design where the foam is perforated & progressively tapered to reduce the front foam thickness & provide ease of paddling and a more contoured fit.

- Low profile, lightweight, compact design
- High foam back accommodates high back seats
- Breathable mesh lower back
- Six adjustment straps to cinch vest up to fit snug
- Comfortable neoprene shoulder pads
- Large front pocket
- Sublimated liner graphics for added colour & style
- Transport Canada & U.S. Coast Guard approved

NEW!

ORDER NO.	Mfr. No.	Size / Chest Size
433-11062213	121900-100-004-17	Universal/ 30"-52" 90 lbs. and over
433-11062220	121900-100-005-17	Oversize / 45"-65" 90 lbs. and over

CHILD / YOUTH PFD

General Purpose.

NEW!

- Adjustable belts & chest strap to keep vest from riding up
- Lightweight durable flotation foam
- Open-sided styling
- Large arm holes for comfort
- Bright colours to add visibility on the water
- **CHILD - Features a leg strap for added safety**
- Transport Canada approved & U.S. Coast Guard approved

ORDER NO.	Mfr. No.	Size / Weight	Colour
433-11101318	103000-100-001-12	CHILD / 33 - 55 lbs.	**Red**
433-11101325	103000-500-001-12	CHILD / 33 - 55 lbs.	**Blue**
433-11201315	103000-100-002-12	YOUTH / 55 - 88 lbs.	**Red**
433-11201322	103000-500-002-12	YOUTH / 55 - 88 lbs.	**Blue**

For more information see: www.onyxoutdoor.com

ADULT NYLON PFD

FULL THROTTLE

NEW!

- Adjustable belts & chest strap to keep vest from riding up
- Great for skiing, boating, fishing, or relaxing on the water
- Transport Canada approved & U.S. Coast Guard approved

Colour: Blue/Black
Weight: Over 90 lbs.

ORDER NO.	Mfr. No.	Size
433-11976138	112200-500-030-22	ADULT S/M Chest Size: 32" - 40"
433-11976145	112200-500-050-22	ADULT L/XL Chest Size: 40" - 52"
433-11976152	112200-500-080-22	ADULT 2XL/4XL Chest Size: 50" - 60"
433-11976169	112200-500-110-22	ADULT 4XL/7XL Chest Size: 60" - 70"

For more information see: www.fullthrottlewatersports.com

DOGGY LIFEJACKETS

Protect your pooch while out on the lake with one of Pawz Pet Products' distinctive pet floatation devices.

- Bright colors and unique designs
- Handle on top for quick and easy grabbing
- Adjustable nylon straps

Hot Yellow

ORDER NO.	Mfr. No.	Description
513-36169	ZY1200	Hot Yellow, XS, 7-15 lbs.
513-36176	ZY1300	Hot Yellow, Small, 15-20 lbs.
513-36183	ZY1400	Hot Yellow, Medium, 20-50 lbs.
513-36190	ZY1500	Hot Yellow, Large, 50-90 lbs.
513-36206	ZY1600	Hot yellow, XLarge, 90 plus lbs.

Neoprene RoboDog

ORDER NO.	Mfr. No.	Description
513-36336	ZN1200	Neoprene, XS, 7-15 lbs.
513-36343	ZN1300	Neoprene, Small, 15-20 lbs.
513-36350	ZN1400	Neoprene, Medium, 20-50 lbs.
513-36367	ZN1500	Neoprene, Large, 50-90 lbs.
513-36374	ZN1600	Neoprene, XLarge, 90 plus lbs.

DOGGY BOAT LADDER

A Tired Dog is a Good Dog!

The Pawz Doggy Boat Ladder provides a safe and easy way for your pet to enjoy themselves on your boat. Made from high quality materials and easy to pack and store, the ladder adds a new dimension of fun to your lake experience

- Measures 64" x 16"
- Folds in half for easy storage

ORDER NO. 513-36145
Mfr. No. Z5200

For more information see: www.pawzpetproducts.com

12 GAUGE MARINE KITS

ULTIMATE ALERT / LOCATE KIT

Kit Includes:
(1) 12 Ga. Launcher & Bandolier, (6) 12 Ga. Twin Aerial Flares, (6) Red Hand Held Flares,
(1) Orange Hand Held Smoke (The Best Daytime Signal), (1) Dye Marker,
(2) Whistles with Hanging Lanyard, (1) 12 Hour Green Lightstick
Kit meets Canadian Coast Guard regulations for
Sail and Power boats **over 9 Meters (29 feet)**
6 TYPE-B, 6 TYPE-C and 1 TYPE-D Signals

ORDER NO.	Mfr. No.	Description
977-70001	CULTI-A/L	Ultimate Alert / Locate Kit

DG

12 GAUGE TWIN BASIC 6 KIT

Kit contains: (1) Orion Pistol Launcher, (1) Bandolier, (6) Twin Aerial Flares
Kit meets Canadian Coast Guard regulations for
Sail and Power boats up to 9 meters (29 feet).
6 Type B Aerial Flares:
Average Burn Time: 6 seconds each
Average Brightness: 15,000 candelas
Altitude: 90 meters

ORDER NO.	Mfr. No.	Description
977-12120	C12T-B6/596	12 Ga. Kit with 6 Gemini Display, 6 Type-B
977-12003	C12T-3PK/692	Replacement 12 Ga. Gemini Twin Aerial Flare (3 Pk.)

DG

SUPER-6

- 3 TWIN aerial flare w/launcher and 3 handheld red flare stored in a floatable waterproof bag.
- 3 TYPE-B and 3 TYPE-C
- Kit meets Canadian Coast Guard regulations for Sail and Power boats **up to 9 Meters (29 feet)**

ORDER NO. 977-60000
Mfr. No. SUPER6

DG

SUPER-12

- C12T-B6 and ECONO6 stored in a floatable, waterproof bag
- 6 TYPE-B and 6 TYPE-C
- Kit meets Canadian Coast Guard regulations for Sail and Power boats **over 9 Meters (29 feet)**

ORDER NO. 977-00012
Mfr. No. SUPER-12

DG

12 GAUGE REPLACEMENT RED AERIAL FLARES

Replacement flares for the Orion 12 Gauge Launcher
Each cartridge is eqivalent to 1 type B signal.
Kit contains 3 twin cartridges approved type B day & night signal.
Kit meets Canadian Coast Guard regulations for Sail and Power boats up to 6 metres (19 feet).
Average Burn Time: 6 seconds each
Average brightness: 15,000 candelas
Altitude: 90 meters
Used in Old Pistol launcher kits # 077-12120, # 077-13000 & # 077-13130
New Pistol launcher kits # 977-30001, # 977-12120, # 977-12121 & # 977-13130
Replacement Flares for 12 Gauge launchers manufactured after 1981.
Technology allows 1 flare to do two stars.
(1) Flare is (1) Type B signal. Can be used in all Orion Kits.

ORDER NO.	Mfr. No.	Description
977-12003	C12T-3PK/692	12 Ga. Red, Gemini Twin Aerial Flare (3 Pack)
977-12006	C12T-6PK	12 Ga. Red, Gemini Twin Aerial Flare (6 Pack)

DG

CONVERTER

Allows 25 mm launcher to fire 12 Gauge Aerial Flares
NOTE: The 25 mm launcher was NOT Canadian Coast Guard Approved therefore we have not catalogued it. For customers owning a 25 mm launcher we have a converter to fit the 25 mm launcher capable of firing 12 ga. meteors, or Gemini Twin.

ORDER NO.	Mfr. No.
077-10000	CONVER/3631

DG **Subject to Dangerous Goods Fee**

AERIAL FLARES & HAND HELD DEVICES

SKYBLAZER XLT 3 RED AERIAL FLARES

Self launching device, perfect for inland or lake boaters.
Signals are safe, waterproof and float
Kit contains: (3) Twin Star Signal Red Aerial Flares
Kit meets Canadian Coast Guard regulations for Sail and Power boats up to 6 metres (19 feet).
3 Type B Aerial Flares:
Average Burn Time: 7 seconds each
Average Brightness: 16,000 candelas
Altitude: 140 meters

ORDER NO.	Mfr. No.	Description	
077-30003	CIL3/699	3/ Pack in a Display Blister	DG

SKYBLAZER XLT 6 RED AERIAL FLARES

Self launching device, perfect for inland or lake boaters.
Signals are safe, waterproof and float
Kit contains: (6) Twin Star Signal Red Aerial Flares
Kit meets Canadian Coast Guard regulations for Sail and Power boats up to 9 metres (29 feet).
6 Type B Aerial Flares:
Average Burn Time: 7 seconds each
Average Brightness: 16,000 candelas
Altitude: 140 meters

ORDER NO.	Mfr. No.	Description	
077-60001	CIL6/946	6/ Pack in a Plastic Bag	DG

HAND HELD MARINE RED SIGNAL FLARES

LOCATE ECONO 4 KIT

Signals are safe, waterproof and float.
Kit contains: (4) high quality hand held red day & night flares
Kit meets Canadian Coast Guard regulations for Sail and Power boats up to 6 metres (19 feet).
4 Type C Signals:
Average Burn Time: 3 minutes each, 12 minutes total
Average Brightness: 700 candelas

ORDER NO.	Mfr. No.	Description	
977-00004	ECONO4/867	Hand Held Red Flare (4-Pack)	DG

LOCATE ECONO 6 KIT

An economical option to be compliant with Transport Canada requirements.
Package in a sealed plastic bag.
Kit contains: (6) high quality hand held red day & night flares
Kit meets Canadian Coast Guard regulations for Sail and Power boats up to 9 metres (29 feet).
6 Type C Signals:
Average Burn Time: 3 minutes each, 12 minutes total
Average Brightness: 700 candelas

ORDER NO.	Mfr. No.	Description	
977-00006	ECONO6/594	Hand Held Red Flare (6-Pack)	DG

HAND-HELD MARINE ORANGE SMOKE SIGNAL

Our hand held Orange Smoke Signals store easily in our display pack and can be used as replacements or additions in our kits. They are Transport Canada Approved type D signals for daytime use only. Average burn time is 1 minute per unit.

1 Hand-Held Orange Smoke Signal Single unit display pack.

ORDER NO.	Mfr. No.	Description	
077-10080	HHSOB1/556	1/ Hand-Held in a Display Pk	DG

DG **Subject to Dangerous Goods Fee**

For more information see: www.cilexplosives.com

SOLAS, USCG & TC APPROVED SIGNALS

These Orion signals are designed to meet the SOLAS, USCG and CCG requirements for Offshore Sailors and Racers, or anyone traveling offshore. All products are Waterproof and feature our easy to activate "Pull Cord" ignition system. SOLAS products offer the maximum in distress signaling protection.

077-52162 077-52262-3 077-522162-1

RED PARACHUTE SIGNAL ROCKET

DG

Our Trigger ignition system (allows you to hold the rocket with your hands) safely launches a high powered aerial signal 350 meters (1150 feet) into the air and the bright 30,000 candlepower meteor will stay aloft and burn for 40 seconds.
USCG Approved NOs. 160.136/A5/0,160.036/A15/0
Transport Canada Approved: TC-002-032-067, Meets SOLAS LSA code 3.1

ORDER NO.	Mfr. No.	Description
077-52162	52162	Red Parachute Rocket, **Single** Comes in a 4 colour display carton & an Approved Bracket
077-52262-1	52262-1	Red Parachute Rocket, **Single, BULK** Comes in an Approved Bracket
077-52262-3	52262-3	Red Parachute Rocket, **3-Pack, BULK** Comes in an Approved Bracket
077-52262-12	52262-12	Red Parachute Rocket, **12-Pack, BULK** Comes in an Approved Metal Drum

Approved for Day or Night Use

RED HANDHELD FLARE

This high intensity signal burns for 60 seconds and produces a signal with 15,000 candlepower. This is the perfect unit to help rescuers pinpoint your position.
Will not produce hot residue harmful to inflatable life rafts. Pull cord ignition system.
USCG Approved NOs. 160.121/A5/0,160.021/A28/0
Transport Canada Approved: TC-002-032-039, Meets SOLAS LSA code 3.2

ORDER NO.077-52186 Mfr. No. 52186 DG

Approved for Day or Night Use

ORANGE FLOATING SMOKE SIGNAL

This is the best daytime approved signal to help rescuers pinpoint your position. Each floating canister delivers 3 minutes of a dense orange cloud. Will not harm the environment.
USCG Approved NOs. 160.122/A4/0,160.022/A14/0
Transport Canada Approved: TC-002-032-040, Meets SOLAS LSA code 3.3

ORDER NO.077-52151 Mfr. No. 52151 DG

Approved for Day or Night Use

DG **Subject to Dangerous Goods Fee**

For more information see: www.cilexplosives.com

NON - APPROVED SIGNALS

SOLAS, WHITE ILLUMINATING ROCKET

Ideal for night search and rescue operations, reaches an altitude of 300 metres (1000ft.), 200,000 candlepower signal that stays aloft and burns for 25 seconds. Easy trigger ignition system.
Not approved for marine distress by USCG or TC.

DG

ORDER NO.077-52562 Mfr. No. 52562

WHITE HANDHELD SIGNALS

These 10,000 candlepower-60 second signals are intended to caution approaching vessels of your position, or to illuminate an area at night. They meet the same construction standards as the red flares, but are not USCG, or SOLAS approved since there is no standard for white flares. Will not produce hot residue harmful to inflatable life rafts.

DG

ORDER NO.077-52156 Mfr. No. 52156

USCG APPROVED ORANGE DISTRESS FLAG

Heavy-duty vinyl construction that measures 3 square feet.
Comes complete with 4-12" nylon ties for easy display.
Packed in a resealable storage bag.

ORDER NO.	Mfr. No.
077-10110	FLAG/925

P.M.L. PERSONAL MARKER LIGHT

Attaches easily to clothing or life vests.
Up to 8 hours of highly visible green light.
U.S. Coast Guard and FAA certified.

ORDER NO.	Mfr. No.
077-10180	PML/984

MARINE SIGNALLING MIRROR

High quality durable construction will not corrode due to the effects of salt water.
Includes view finder and lanyard.

ORDER NO.	Mfr. No.
077-10070	MIRR/916

For more information see: www.cilexplosives.com

SAFETY WHISTLE - 2 PACK

Durable SOLAS approved weather-resistant plastic construction delivers a loud, shrill signal (116 db at 1 metre).
The perfect device to attach to all your PFDs.
Includes hanging lanyard.

ORDER NO.	Mfr. No.
077-10092	WHIS2/976

LOCATOR ELECTRONIC SOS BEACON KIT INCLUDES FREE DISTRESS FLAG (DAYTIME)

USCG Compliant Nighttime Visual Distress Signal

- Flashes bright "SOS" distress signal in morse code
- Uses 2 each D-cell batteries (not included)
- Microprocessor provides an even light source for an extended period of time
- Intuitive ON/OFF switch
- Visible for 3 nautical miles
- Low battery indicator function
- High impact ABS plastic, international orange
- Use as a hand held, floating, or hanging safety signal with provided lanyard
- SOLAS grade reflective tape for a full 360˚ sighting (category exclusive feature)
- Floats and is waterproof
- **Light** U.S. Coast Guard requirements in (46-CFR 161.013) Nighttime Signaling
- **Flag** complies with Canadian Coast Guard (#077-10110)

ORDER NO. 077-10150 Mfr. No. SOSLED/554

DG **Subject to Dangerous Goods Fee**

FOX 40 marine

MARINE LED FLASHLIGHT

- Waterproof, compact, floating flashlight with three LED blubs
- Work when turned on and fully immersed in water for over 1 minute
- Great for boating, fishing, or outdoor excursions
- Bulbs project 8-12 lumens beam strength w/ 50,000 hours lifetime LED
- Shock-resistant casing and non-slip grip

Two AA type batteries included.

ORDER NO. 561-79100 Mfr. No. 7914-0105

MARINE LED FLASH PACK (2 PACK)

ORDER NO. 561-79110 Mfr. No. 7914-0110
Includes (1) Large & (1) Small Flashlight & (2) AA & (1) AAA Batteries

For more information see www.fox40world.com

FOX 40 marine

WATERCRAFT SAFETY THROW

Watercraft Safety Throw is a superior alternative to fabric throw bags. Aerodynamic shell sails through windy conditions while traditional fabric bags tend to get caught up in the wind. The integrated handle is clearly visible and easy to grasp. A quick-release plug prevents the rope from deploying inadvertently. The 50 ft premium polypropylene braided floating rope has 900 lb breaking strength. Unique knit rope provides a degree of stretch while also providing ultimate strength.

ORDER NO. 561-95010 Mfr. No. 7901-0201

WATER SAFETY ROPE & FLOAT – 50FT

Much softer and easier to handle than conventional coarsely-braided ropes. Made from extra-fine polypropylene filaments woven into high-density braid. Float made of expanded poly-vinyl chloride for maximum toughness, weather-resistance and long-service life. Lab-tested to 900 lb breaking strength.

ORDER NO. 561-95050 Mfr. No.7905-0000

RESCUE THROW BAGS

Highly durable drawstring bags. Contains premium polypropylene woven floating rope with 700 lb breaking strength. Easy to use, handle, and store. Bright red colour makes it easy to locate in emergency.

50 FT. THROW ROPE/RED BAG

ORDER NO. 561-95011 Mfr. No. 7907-0102

90 FT. THROW ROPE/ORANGE BAG

Includes adjustable strap with heavy-duty J-clip and 3M reflective tape.

ORDER NO. 561-70302 Mfr. No. 7909-0302

For more information see: www.fox40world.com

Scotty

ECONOMY BUOYANT HEAVING LINE

- 50' x 9/32" 660 lb. test
- 15m x 7mm 300 kg. test
- Braided MFP polypropylene floating rope.
- Bright orange nylon and polyester self-draining bag with adjustable strap & 3M reflective safety band.

ORDER NO. 382-00793 Mfr. No. 793

For more information see: www.scotty.com

NOTE: A buoyant heaving line is one of the personal protection items required effective April 1,1999 by the Canadian Coast Guard. It is a mandatory minimum on all sailboats, paddleboats, watercycles, canoes, kayaks, rowboats as well as pleasure crafts up to 20 metres in length. It applies to rentals for recreational purposes.

AIRHEAD

LIFE LINE™ RESCUE THROW BAG

- 50 ft. long
- Constructed of rugged bright orange, UV resistant 600-denier polyester
- Easy to understand instructions with graphics are printed on the outside
- Integrated strap for easy hanging with side release buckle

ORDER NO. 737-16280 Mfr. No. LL-1

For more information see www.airhead.com.

LIFE LINE™ BOAT SAFETY KIT

AIRHEAD

Required by the Canadian Coast Guard for boats up to 8 meters (26 feet) long
Contents:
- 15 meter (50 ft.) Buoyant Heaving Line
- Bailer (Watertight container)
- Sound Signaling Device (Pealess whistle)
- Improved Watertight Flashlight (batteries not included)

IMPROVED DESIGN

ORDER NO. 737-20164 Mfr.No. LL-2

For more information see: www.airhead.com.

Scotty

SMALL VESSEL SAFETY EQUIPMENT KIT

For pleasure craft up to 8 meters
The bailer is actually a watertight container, which can be attached to the buoyant line for maximum heaving distance. Check your Canadian Coast Guard Safe Boating Guide for further requirements.

Kit Contains:
- 1 - 15 metre Buoyant Heaving Line
- 1 - Bailer (unique watertight container)
- 1 - Sound Signaling device (Pealess Whistle)
- 1 - Watertight Flashlight
  (2AA batteries not included)

ORDER NO. 382-07790
Mfr. No. 779

SEA-LIGHT for Paddling Safety

- The Scotty Ball System joint design enables a smooth and complete full range of motion for the Sea-Light
- The corrosion proof construction of this system provides a long service life in both fresh and salt water applications as it is designed with stainless steel fasteners and a stainless pole
- Includes ACR detachable, fully sealed LED C-Light™
- Includes a bright 20 Lumen White LED for location assistance during emergencies
- Easy twist ON/OFF activation that is waterproof tested
- Impact resistant construction and is USCG/SOLAS Approved
- C-Light™ is easily removed and can be attached to life jackets, backpacks or hang from a pocket
- C-Light™ requires two "AA" 1.5V batteries (batteries not included)
- C-Light™ has an extensive and continuous operating life for over 30 hours

Base Mount Dimensions: 2 1/4″ x 2 1/4″
Overall Height: Stands 41″ tall
Sea-Light Pole Diameter: 1/2"

ORDER NO. 382-08380
Mfr. No. 838

For more information see: www.scotty.com

FOX 40 MARINE SAFETY

DELUXE BOATING KIT

Deluxe Kit for larger watercraft.
Fits in black snap-lid case.
Case dimensions: 15.5" wide x 7.0" high x 9.5" deep.
Batteries not included.
Deluxe Kit Includes:
- Waterproof Fox 40 Marine Incandescent Flashlight
- Fox 40 Pearl Pealess Safety Whistle
- 50 ft (15 m) braided Fox 40 Braided Rope & Float
- Fox 40 2.0 lb 1A5BC (White) Fire Extinguisher
- 1.5 Kg Anchor - • 50 ft (15 m) Anchor Line with Carabiner Clip

DG

ORDER NO. 561-79210
Mfr. No. 7911-0002

For more information see: www.fox40world.com

FOX40 MARINE SAFETY

CLASSIC BOAT SAFETY KIT

Everything you need for your personal watercraft!
Complies with Coast Guard Safety Equipment requirements.

Housed in an ergonomic and aesthetically pleasing bailer, the kit includes all minimum safety requirements for your personal watercraft - no need to buy everything separately! Fits perfectly into a bailer capped with a mirrored lid. Innovative design makes bailer easy to grab in an emergency. Storage-friendly!

Kit Includes:

- Waterproof Fox 40 Marine LED Flashlight with 2 AA Batteries
- Fox 40 Pealess Safety Whistle
- 50 ft (15 m) Fox 40 Marine Water Safety Rope & Float
- Bailer capped with mirrored SOS lid

Fox 40 Flashlight now a red LED light!

ORDER NO. 561-79302 Mfr. No. 7903-0201

BOAT ESSENTIALS KIT

Basic kit for your personal watercraft!

Basic waterproof kit designed to help bring your Boat, Canoe or Kayak up to regulations. Fits into a orange, waterproof screw-top, container that acts as a bailer. Batteries not included.

Compact Kit Includes:

- Waterproof Fox 40 Marine Incandescent Flashlight
- Fox 40 Pearl Pealess Safety Whistle
- 50 ft (15 m) Braided Rope & Float

ORDER NO. 561-79201 Mfr. No. 7910-0200

For more information see: www.fox40world.com

SUP SAFETY KIT

Zippered Waist Pack w/ Safety Items

Kit Includes:

- Zippered main compartment and waterproof resealable + removable inner pouch,water bottle holder with stabilizing carabiner
- Material: 210D polyurethane-coated waterproof diamond ripstop polyester
- Includes polyurethane-coated waterproof zipper and 2 D-loops
- 50 ft. rope is made from extra-fine polypropylene filaments woven into high-density double braid; lab tested to 900 lb breaking strength
- Fox 40® XP LED Light has an ABS plastic body with 3 LED lights
- Fox 40 Micro® is small and flat with no pressure points
- Volume: 2L / Weight: 0.13kg / Waterproof Level: IPX

ORDER NO. 561-79130 Mfr. No. 7928-1300

PADDLERS SAFETY PACK

Ultimate safety kit for your kayak, canoe or small boat

Kit Includes:

- Micro first aid kit
- Fox40 micro pealess safety whistle
- Clear waterproof screw-top container / bailer
- 50 ft. (15 m) woven polypropylene Fox40 marine rope
- LED light - • Bilge sponge
- 2 glow sticks - • Compass - • Dry bag

ORDER NO. 561-79802 Mfr. No. 7928-0200

DRY BAG BELT PACK - Lightweight Roll Top Waist Pack

Kit Includes:

- Includes a watertight roll top main compartment
- Roll-top fastens with Velcro to keep contents dry and compact
- Heavy-duty padded belt w/ clip, waterproof zippered front pocket
- Includes hideaway water bottle holder with stabilizing carabiner
- Water bottle holder and carabiner can be tucked inside pack
- Material: 300D polyurethane-coated waterproof ripstop polyester
- Volume: 3L / Weight: .48kg / Waterproof level: IPX6

ORDER NO. 561-79131 Mfr. No. 7928-1310

FLOATING LANYARDS & CARD SAVER

Floating lanyards use flexible tubing to provide float protection.

Kit Includes:

- Floating wrist lanyard/neck lanyard
- Fox40 sonik blast CMG® pealess whistle
- Carabiner clip (non-locking aluminum)
- Plastic waterproof pouch holds cards, money, boat licence

ORDER NO. 561-79809 Mfr. No. 7928-0900

KEY FLOATS/FIRST AID KITS

MINI FENDER KEY CHAIN FLOAT

Countertop Merchandiser

Contains: 28 Key Chains

- 9 pcs. #2019 Aurora Gold
- 9 pcs. #2047 Silver Mist
- 10 pcs. #2057 Captain's Navy

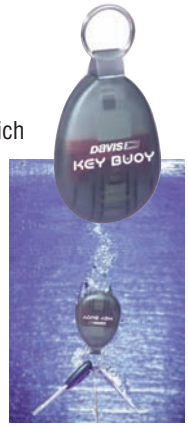
ORDER NO. 666-282057
Mfr. No. 282057

For more information see:
www.taylormadeproducts.com

DAVIS

INFLATABLE KEY BUOY™

Self-inflating key ring opens up, releasing an air tube which inflates automatically. Within 30 seconds, your keys rise to the surface, and the 14" inflated tube extends above the water, allowing you to reach over and pick them up.



- Strong enough for items weighing up to 2.8 ounces (80 grams)
- Keys, small tools, deck plate keys
- Suitable for single use only, so keep a spare on hand.

ORDER NO. 510-00530 Mfr. No. 530

For more information see: www.davisinstruments.com

HARDLINE products

KEY FLOATS

Holds up to five keys and stays afloat.
A must for every boater.

ORDER NO. 068-99890/ each - Yellow

KEY FLOATS
24 PIECE CLIPSTRIP

Red / White / Blue assortment
Assorted "sayings"

ORDER NO. 068-99880 Mfr. No. CS-01

For more information see: www.hardlineproducts.com

SEADOGLINE
QUALITY MARINE GEAR

CORK KEY FLOAT

Cork

ORDER NO.	Mfr. No.	A	B
425-68010	568010-1	4-1/8"	1-7/8"

For more information see:
www.sea-dog.com

Scotty

FIRST AID KIT

- Watertight Container
- 16 essential items
- Whistle attached

ORDER NO. 382-07890
Mfr. No. 789

CONTENTS

Tweezers	1	12 Ply Gauze Pads 4" x 4"	2
Triangular Bandage	1	Insect Sting Relief Pads	2
Antiseptic Towelettes	10	Conform Gauze 2" Roll	1
Cotton Tip Applicators	4	Finger Tip Bandages	2
Scotty First Aid Booklet	1	Ammonia Inhalant Pads	2
Latex Disposable Gloves	4	Knuckle Bandages	2
Adhesive Tape 1/2" x 5 Yd.	1	Adhesive Strips	50
Antiseptic Ointment/Pad	2	Scissors	1

For more information see: www.scotty.com

FOX40 MARINE SAFETY

FOX40 MICRO FIRST AID KIT

Contains 47 items for small to medium size wounds

- Compact & convenient
- Floating neck lanyard
- Durable, lightweight white plastic snap lid case

Kit includes:

- 2 Splinter-Out® Splinter Removers
- 2 Gauze Pads (2" X 2")
- 1 First Aid Ointment (0.03 oz.)
- 1 Non-Adherent Pad (2" x 3")
- 1 Fabric Bandage, Large Patch (2" x 3")
- 2 Fabric Bandages, Knuckle (1-1/2" x 3")
- 2 Fabric Bandages, Fingertip Lg.(1-3/4" x 3")
- 2 Fabric Bandages, Small Patch (1-1/2" x 1-1/2")
- 6 Benzalkonium Chloride Antiseptic Towelettes
- 6 Plastic Bandages, Knuckle (3/4" x 3")
- 2 Fabric Bandages, (7/8" x 1-1/2")
- 3 Fabric Bandages, (7/8" x 3")
- 1 Conforming Stretch Bandage (2" x 2 yds.)
- 2 Cotton-Tipped Applicators (3")
- 3 Insect Sting Relief Swabs
- 1 Adhesive Tape (0.75" x 1 yds.)
- 8 Alcohol Antiseptic Swabs
- 1 First Aid & Emergency Care Guide

ORDER NO. 561-92804
Mfr. No. 7928-0400

FIRST AID KIT

Be prepared with first aid supplies for any personal watercraft!
No need to buy everything separately! 66 items for small to medium wounds.
Soft, zippered, water-resistant bag with various pockets to hold all products in place.

KIT INCLUDES:

- 1 - Abdominal Pad, sterile - 8" x 10"
- 1 - Triangular Bandage - 40" x 40" x 56"
- 1 - Adhesive tape - 0.5" x 5 yds
- 1 - Rescue Foil Blanket - 56" x 80"
- 2 - Compress Bandage, sterile - 4.25" x 3.5"
- 1 - Gauze Bandage - 3" x 5 yds
- 5 - Elastic Bandages, sterile - 7/8" x 3"
- 2 - Elastic Bandages, sterile - 2" x 3"
- 2 - Fingertip Adhesive Bandages, sterile-1-3/4" x 3"
- 2 - Gauze Pads, sterile - 2" x 2"
- 2 - Gauze Pads, sterile - 4" x 4"
- 2 - Knuckle Adhesive Bandages, sterile - 1-1/2" x 3"
- 20 - Plastic Adhesive Bandages, sterile - 3/4" x 3"
- 1 - Pocket Guide to First Aid
- 1 - Scissors - 4-1/8"
- 1 - Splinter Forceps - 3"
- 10 - Alcohol Prep Pads
- 10 - Insect Sting Stop Prep Pads
- 1 - CPR Face Shield, disposable

ORDER NO. 561-95070
Mfr. No. 79020101

MINI FIRST AID KIT

Meets all of Health Canada's regulations. Handy for any size boat.
53 items for small to medium wounds

- Plastic durable white snap lid case with integrated handle
- Can be mounted

Size: 8.25"L x 5.5"W x 3"D

ORDER NO. 561-79803 Mfr. No. 7928-0300

KIT INCLUDES:

- 1 - Abdominal/CombinePad - 5" x 9"
- 2 - Telfa Non-Adherent Pads - 2" x 3"
- 1 - Adhesive tape - 0.75" x 1 yds
- 2 - Cotton-Tipped Applicators 2/pk - 3"
- 2 - Tongue Depressors - 3/4" x 6"
- 1 - Elastic Compression Bandage - 2" x 5 yd
- 3 - Fabric Bandages - 7/8" x 3"
- 1 - Conforming Stretch Bandage, sterile - 2" x 4 yds
- 2 - Fingertip Fabric Bandages - 1-3/4" x 2"
- 2 - Gauze Pads - 3" x 3"
- 2 - Knuckle Fabric Bandages - 1-1/2" x 3"
- 8 - Plastic Adhesive Bandages - 3/4" x 3"
- 1 - First Aid & Emergency Care Guide
- 1 - Scissors - 4-1/8"
- 1 - Instant Cold pack, large - 6" x 9"
- 3 - After Bite Treatment Swabs
- 8 - Alcohol Antiseptic Swabs
- 6 - Benzalkonium Chloride Antiseptic Towelettes
- 3 - First Aid Cream - 0.03 oz.
- 1 - Water Gel, Cool Gel - 0.8 oz.
- 2 - Splinter-Out

For more information see: www.fox40world.com

SONIC BLAST

For uses where flammability **IS** a concern including boating.

- Reliable,durable protection
- Non-flammable, Ultra-low global warming potential
- Meets U.S. Coast Guard recommendations for boats up to 65 ft. (20 metres)
- Provides up to 56 blasts per can
- Provides 120dB blast at 10 ft.
- Refills readily available

DG

ORDER NO.	Mfr. No.	Description
466-05000	FSB5	5 oz. Push-Button Horn (Blister)
466-05001	FSB5R	5 oz. Push-Button Refill (Bulk)

SOUND ALERT

For uses where flammability **IS NOT** a major concern including boating.

- Reliable,durable protection
- Flammable
- Easier to ship with DOT special permit
- Meets U.S. Coast Guard recommendations for boats up to 65 ft. (20 metres)
- Provides 120dB blast at 10 ft.
- Refills readily available

DG

ORDER NO.	Mfr. No.	Description
466-06000	FSA6	6 oz. Push-Button Horn (Blister)
466-06001	FSA6R	6 oz. Push-Button Refill (Bulk)

SIGNAL HORN

- For uses where flammability isn't a major concern including sporting events, paddle boarding, canoeing, & hiking
- Meets U.S. Coast Guard recommendations for boats up to 65 ft. (20 metres)
- Less expensive option, but is flammable
- Provides up to 40 blasts per can
- 120dB blasts at 10 feet
- Refills readily available

DG

ORDER NO.	Mfr. No.	Description
466-39000	FSH39	3.9 oz. Signal Horn
466-39001	FSH39R	3.9 oz. Signal Horn Refill

DG **Subject to Dangerous Goods Fee**

For more information see: www.falconsafety.com

HAND HELD SIGNALING HORN W/ CRADLE

- Battery Operated, No Leaking, or Limited Shelf Life
- No CFC's, No Haz-Mat
- Weatherproof
- Solid State Electronics
- Shock Resistant Construction
- Meets United States Coast Guard Requirements
- Requires One 9-Volt Battery (Not Included)

NEW!

ORDER NO.	Mfr. No.	Colour
545-20107	545-2010-7	Yellow Case

For more information see: www.innovativelight.com

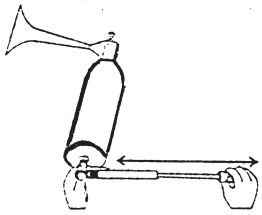
BELLOW SIGNAL HORN

Lung-powered horn that delivers a 110db output when used. The signal horn is designed for personal protection and safety on land and on water. The horn meets U.S. Coast Guard Rule 33 (Annex III) and Federal/EPA regulations.
No C02, Freon, or batteries required. 8" tall x 3-1/2" wide.

ORDER NO. 102-24607
Mfr. No. 2460-7

For more information see: www.attwoodmarine.com

RECHARGEABLE SIGNAL HORN



RECHARGING
Operating range between 5-200 PSI
Do not exceed 250 PSI.

- Rechargeable & Easy to use
- Mini Pump included
- Versatile and it floats
- The ultra light choice
- 100% Ozone safe
- Enviromentally friendly
- Weatherproof
- Loud

ORDER NO. 425-00001
Rechargeable Air Horn & Hand Pump

ORDER NO. 425-00002
Rechargeable Air Horn Only

For more information see: www.falconsafety.com

WHISTLES

CLASSIC MARINE WHISTLE

Fox 40 pealess whistles never fail! The flawless performance has made our whistle the preferred choice for personal safety. Wet or dry, depend on Fox 40 for safety and durability.

Design: 3-Chamber / Pealess
Sound Power: 115 dB

ORDER NO. 561-90110	Mfr. No. 9902-0100	Red
ORDER NO. 561-90120	Mfr. No. 9902-0200	Yellow
ORDER NO. 561-90130	Mfr. No. 9902-0300	Orange
ORDER NO. 561-90230	Mfr. No. 9902-1300	Neon

MICRO PEALESS WHISTLE WITH LANYARD

The Micro Marine whistle is true to the Fox 40 tradition of innovative design and engineering excellence. There are no metal parts to rust or corrode, and is resistant to ultraviolet and saltwater.

Sound Power: 110 dB

ORDER NO. 561-95310	Mfr. No. 9505-0108	Scarlet Red
ORDER NO. 561-95450	Mfr. No. 9505-1308	Neon

EPIK™ CMG® PEALESS WHISTLE

- With integrated black cushioned mouth grip overmold
- Integrated grip ribs along the top surface of the whistle provides additional holding option
- Ergonomically designed shape to fit your hand better
- Ring has sleek black zinc finish
- Easy to blow, optimized performance
- Flawless, consistent and reliable

Design: 3-Chamber / Pealess + CMG® **Sound Power:** 115 dB

ORDER NO.	Mfr. No.	Colour	W/ Breakaway Lanyard
561-80201	8802-0108	Red	–
561-80202	8802-0208	Yellow	–
561-80203	8802-0308	Orange	–
561-80213	8802-1308	Neon Yellow	–
561-80214	8802-1408	Neon Green	–
561-80301	8803-0108	Red	Yes
561-80302	8803-0208	Yellow	Yes
561-80303	8803-0308	Orange	Yes
561-80313	8803-1308	Neon Yellow	Yes
561-80314	8803-1408	Neon Green	Yes

MINI ELECTRONIC WHISTLE W/LED

- Push button, which offers provides a loud, clear & consistent sound, w/ lanyard
- Mini E-Whistle includes LED light; ultra slim body design

Design: 4 Cell Batteries; 1 Ddistinct Tone / **Sound Power:** 110 dB

ORDER NO.	Mfr. No.	Colour
561-61619	8616-19198	Red

XPLORER LED LIGHT + MICRO

Xplorer LED Light Features:

- ABS plastic body with 3 LED lights
- 4 Modes: On/ 50% On/ SOS Mode (flashing)/Off — simple push of a button changes mode
- IPX4 waterproof rating
- Omni-directional (visible from all sides) and directional light
- Each LED light can reach up to 13000 MCD
- Batteries included; operated with 2 CR2032 button cells
- Compact and will not restrict movement
- Can be fastened to the user or equipment

Micro Whistle

- Neon Green
- Designed to be small & flat with no pressure points
- Pealess whistle with no moving parts to freeze, jam or deteriorate
- Chambers are designed to self-clear when submerged in water
- Will be heard above ambient noise, loud crowds, the roar of engines, breaking waves and thundering gale force winds

Sound Power: 110 dB

ORDER NO. 561-91812 Orange	Mfr. No. 7918-1200
ORDER NO. 561-91813 Neon Yellow	Mfr. No. 7918-1300
ORDER NO. 561-91814 Neon Green	Mfr. No. 7918-1400

For more information see: www.fox40world.com

SHARX MARINE WHISTLE

The first Fox40 Pealess Whistle designed specifically for the outdoors.

Exceptional sound! Extremely easy to blow! Works wet or dry! Flawless and consistent performance makes it the preferred, most reliable and trusted whistle for search, rescue, outdoors and personal safety. Emits effortless authoritative sound power of 120 dB that can be heard for miles over ambient noises. Specifically designed to perform in the nastiest weather conditions! Works wet or dry. Made from durable polycarbonate and co-molded elastomer for added comfort and slip resistance.

Design: 2-chamber/4 resonators; pealess

Sound Power: 120 dB

Includes Breakaway Lanyard

ORDER NO.	Mfr. No.	Colour	W/ Breakaway Lanyard
561-87322	8703-2208	Blue/Yellow	Yes

FUZIUN CMG® PEALESS WHISTLE

A combination of the Classic® & the Sonik Blast CMG® Whistles

- 3 Chamber design is flawless, consistent and reliable
- Cushioned mouth grip
- Optimal "Whistle Sound Power"

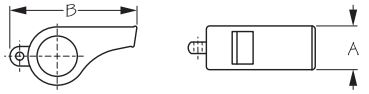
Design: 3-Chamber / Pealess + CMG®

Sound Power: 118 dB

ORDER NO.	Mfr. No.	Colour	W/ Breakaway Lanyard
561-60301	8603-0108	Red	Yes
561-60302	8603-0208	Yellow	Yes
561-60313	8603-1308	Neon Yellow	Yes

POLICE WHISTLE

Injection Molded Polystyrene



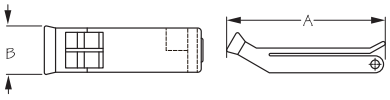
ORDER NO.	Mfr. No.	COLOR	LANYARD INCLUDED	A	B
425-71252	571252-1	Orange	Yes	13/16"	2-5/16"
425-71252-5*	571252-5	P.O. Display contains 35 pcs.			

A 36" lanyard is included with display packaging only

**Lanyard not included*

WHISTLE

Injection Molded Polypropylene



ORDER NO.	Mfr. No.	COLOR	LANYARD INCLUDED	A	B
425-71260	571260-1	Orange	Yes	2-3/4"	7/8"
425-71265*	571260-5	P.O. Display contains 40 pcs.			

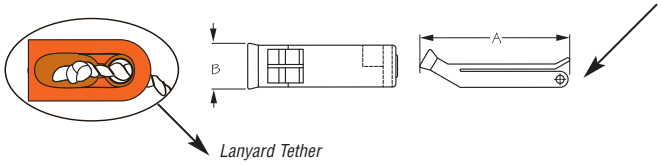
A 36" lanyard is included with display packaging only.

Duotone whistle has no moving parts or balls that jam or corrode.

Handy clip secures whistle till needed.

**Lanyard not included*

Clip to attach to pocket



For more information see: www.sea-dog.com

NO. 786 LIFESAVER #1 SAFETY WHISTLE

The world's most advanced all purpose safety whistle.

Designed by search and rescue professionals. The synthetic peas will not absorb moisture or freeze. Works when soaking wet - clears instantly.

- ABS Plastic will not stick to mouth in cold weather as metal whistles do
- Double chambered for multiple pitches
- Comes with universal locking safety clip
- Waffled Sure-grip
- Meets anti-choking standards for children
- Large Tooth-grip for hands-free use
- Lip Seal prevents loss of air in extreme cold

Meets Coast Guard Requirements
Loud! - Up to 118 dB

ORDER NO.	Mfr. No.
382-07860	786

For more information see: www.scotty.com

APPROVED LIFE RING BUOYS

DOCK EDGE®

Dolphin™

Dolphin Life Rings are the only Life Rings manufactured in North America with U.S. Coast Guard, Canadian Coast Guard and DOT approval. All Dolphin Life Rings are rigorously tested and monitored by The Underwriters Laboratories of the United States and Canada.

The Ring bodies are warranted for seven years under all climatic conditions and are resistant to fire, oil, and gas. The hard shell prevents tearing and ripping and is virtually vandal proof. The design allows for easy rope replacement should the rope become damaged, thus ensuring the integrity and continued certification of the Ring.

Dolphin Life Ring Buoys are roto-molded for strength with a polyethylene shell and filled with closed cellular foam for long life under extreme marine conditions. They conform to all standards up to and including S.O.L.A.S. standard 7483.
Sold by each.

ORDER NO.	Description	Case Qty	Color
112-00001	Ring Buoy 20"	(6pcs/Case)	White CAD (Not CCG Approved)
112-00002	Life Ring Buoy 20"	(6pcs/Case)	Orange CAD (Not CCG Approved)
112-00003	Life Ring Buoy 24"	(4pcs/Case)	White CAD
112-00004	Life Ring Buoy 24"	(4pcs/Case)	Orange CAD
112-00005	Life Ring Buoy 30"	(4pcs/Case)	S.O.L.A.S. CAD

AER-O-BUOY™ LIFE RINGS

Taylor Made

Meets Canadian Coast Guard approval. Tough outer polyethylene shell is resistant to gasoline, oil,saltwater, and pool chemicals. Closed cell foam core for buoyancy. 9.5 mm poly grablines. SOLAS reflective tape on 30" diameter ring buoys only.

666-57002

ORDER NO.	Buoy Diameter	Case Qty	Color	Minimum Buoyancy
666-57001	24" (610 mm)	(4pcs/Case)	**Orange** with White Rope	16.5 lbs. (7.5 kg)
666-57002	24" (610 mm)	(4pcs/Case)	**White** with White Rope	16.5 lbs. (7.5 kg)
666-57003	30" (762610 mm)	(4pcs/Case)	**Orange** Approved SOLAS	32 lbs. (15.5 kg)

For more information see: www.taylormadeproducts.com

FASTENERS & ACCESSORIES
HANDI-MAN MARINE
KEEPING REPAIRS AT BAY

STAINLESS STEEL 4 PRONG LINE HOLDER

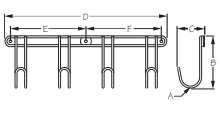
- Designed to bolt into place
- Stainless steel construction for the marine environment
- 5"H x 3"W x 16"L

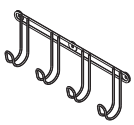
ORDER NO. 960-01200 Mfr. No. 960012

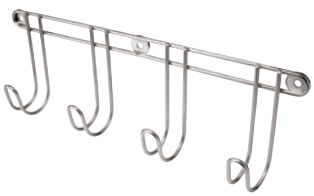
For more information see: www.handimanmarine.com

SEA-DOG® LINE
QUALITY MARINE GEAR

NEW!







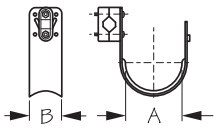
ROPE & ACCESSORY HANGER

Corrosion Resistant 304 Stainless Steel

ORDER NO.	Mfr. No.	A	B	C	D	E	F
423-00085	300085-1	1-3/4"	5-1/4"	2-1/2"	16"	7-3/8"	7-3/8"

Great as a storage management solution. Ideal for the organization of ropes, water hoses, extension cords, etc. Deep hooks keep lines in place even when heeling over. Installs with three RH fasteners (not included).

For more information see: www.sea-dog.com

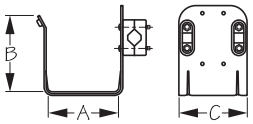


RAIL MOUNT RING BUOY BRACKET

Stamped Aluminum Powder Coated

ORDER NO.	Mfr. No.	A	B
423-27130	327130-1	3-7/8"	"2"

The Sea-Dog Ring Buoy Bracket can be used on 7/8" or 1" tubing or mounted directly to a flat surface. Each Ring Buoy bracket comes complete with all necessary hardware to mount on tubing. Made from marine grade aluminum and powder coated for a long lasting finish.

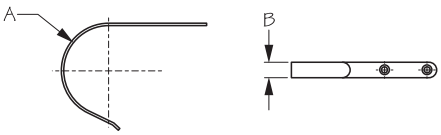


RAIL MOUNT HORSESHOE BUOY BRACKET

Stamped Aluminium Powder Coated

ORDER NO.	Mfr. No.	A	B	C
423-27135	327135-1	4-1/4"	4-3/8"	4"

The Sea-Dog Horseshoe Buoy Bracket can be used on 7/8" or 1" tubing or mounted directly to a flat surface. Each Horseshoe Buoy Bracket comes complete with all necessary hardware to mount on tubing. Made from marine grade aluminum and powder coated for a lasting finish.



RING BUOY BRACKET

Stamped 304 Stainless

ORDER NO.	Mfr. No.	A	B	Fastener
424-91240	491240-1	4"	3/4"	1/4" FH

For more information see: www.sea-dog.com

NEW!

In use
Buoy not
included

LIFE RING/BUOY LETTERING KIT

Now you can customize your life ring with our Taylor Made Lettering Kit. Package includes 2" black letters & numbers (4 ea.) plus symbols. Constructed from waterproof marine grade 4 mil vinyl, resistant to fuel, chemicals, fading & scratching. Application template included.

Mfr. No. 600015

ORDER NO. 666-600015

For more information see: www.taylormadeproducts.com

CLOTHES CLAW™ BOATER'S CLOTHESPIN

Dealer Merchandizer

- Contains: 48 #1650 Clothes Claw™ boater's clothespin

Mfr. No. 1651

ORDER NO. 666-16510

NEW!

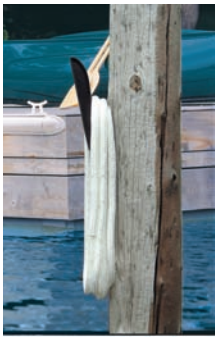
DOCK EDGE

LINE & ACCESSORY HOLDER

Made from High Impact Polyethylene (HDPE) to prevent cracking or deteriorating and ensure a longer life.
Mounts easily with three screws.
Use 1-1/2" or 2" screws for secure mount.
Moulded, Black (2 Pcs / Pack)

ORDER NO. 440-91410

Mfr. No. 91-410-F



POOLSIDE RING

This 19" Recreational Ring features a red, white and blue rope. Great for the pool or cottage.
White in colour.

ORDER NO. 440-58421
(Not DOT Approved)

For more information see: www.dockedge.com

FIRE EXTINGUISHERS

Kidde

ORDER NO.	104-66294-M	104-66295-M	104-66296-M	104-66297
Specification	466294MTL	466295MTL	466296MTL	466297
Product Dimensions:	4.5" x 11.4" x 3.5" deep	4.5" x 14.2" x 3.6" deep	4.5" x 14.2" x 3.6" deep	5.7" x 17" x 4.8" deep
Colour:	Red	Red	Red	Red
Fire Rating:	5-B:C	10-B:C	1-A:10-B:C	3-A:40-B:C
Charge Pressure:	100psi	100psi	100psi	100psi
Range of Throw:	1.8 - 2.4 meters	1.8 - 2.4 meters	1.8 - 2.4 meters	1.8 - 2.4 meters
Duration of Discharge:	8-12 seconds	8-12 seconds	8-12 seconds	13-15 seconds
Agent Base:	Dry Powder (Sodium Bicarbonate)	Dry Powder (Sodium Bicarbonate)	Dry Powder (Monoammonium Phosphate)	Dry Powder (Monoammonium Phosphate)
Limited Warranty:	10Year	10 Year	10 Year	6 Year
Weight:	2 lb.	2 lb.	2.5 lb.	5 lb.

NEW!

ORDER NO.	104-68031-M	104-68030-M	210-28234
Specification	468031MTL	468030MTL	21028234
Product Dimensions:	4.5" x 11.4" x 3.5" deep	4.5" x 14.2" x 3.6" deep	4.5" x 12.02" x 2.9" deep
Colour:	White	White	Red
Fire Rating:	5-B:C	1-A:10-B:C	5-B:C
Charge Pressure:	100psi	100psi	100psi
Range of Throw:	1.8 - 2.4 meters	1.8 - 2.4 meters	2.4 - 3.6 meters
Duration of Discharge:	8-12 seconds	8-12 seconds	8-10 seconds
Agent Base:	Dry Powder (Sodium Bicarbonate)	Dry Powder (Monoammonium Phosphate)	Dry Powder (Sodium Bicarbonate)
Limited Warranty:	10 Year	6 Year	6 Year
Weight:	2 lb.	2.5 lb.	2.75 lb.

For more information see: www.kidde.com

FIRE EXTINGUISHERS

Easy to use, easy to handle.

Dry, non-toxic chemical extinguishing agent contained in a non-leaking, non-rusting steel canister. Meets and exceeds the regulations for Canada Safe Boating Guide.

FOX40 MARINE SAFETY

ORDER NO.	Mfr. No.	Description
561-79704	7908-0704	(DG) Fire Extinguisher 5:BC, White, 2.0 lb. – New Style/Replaces #9508
561-79105	7908-0105	(DG) Fire Extinguisher 10:BC, Red, 2.5 lb. – New Style/Replaces #9518

DG Subject to Dangerous Goods Fee

For more information see: www.fox40world.com

MARINER PWC FIRE EXTINGUISHER

DG

- ULC Rated 5-B:C
- Sized to fit in personal watercraft fire extinguisher storage containers
- Easy test pressure: Push button to check pressure. If button pops out, unit is full and ready to use
- UL listed and manufacturered from corrosion resistant materials
- Meets US Coast Guard approval
- Mounting bracket for marine/vehicle mounting
- 10 Year warranty

ORDER NO.	Mfr. No.
104-50000	FE5R-PWCNA

DG Subject to Dangerous Goods Fee

FIREBOY-XINTEX®

DG

FIRE EXTINGUISHERS

The Fireboy® manual feature is a backup for those who prefer the extra measure of control or for inspected vessels who are required by U.S. Coast Guard regulation. Diesel-powered craft must install Automatic Engine Shutdown System. MA2 Series fire extinguisher systems feature positive backup via a mechanical pull cable. Primary activation (heat response) is automatic at 175° F (79° C).

WARNING:
Diesel-powered craft must also install the Automatic Engine Shutdown System.

ORDER NO.	Mfr. No.	Maximum Volume	Unit Diameter	Unit height
454-07527-B	MA20075227-BL	75 cu. ft. 2.1 cu. m.	3-1/2" 89 mm	15" 380 mm
454-12527-B	MA20125227-BL	125 cu. ft. 3.5 cu. m.	5" 127 mm	15" 380 mm
454-17527-B	MA20175227-BL	175 cu. ft. 4.9 cu. m.	5" 127 mm	15" 380 mm

- USCG and FM approved.
- Actuation temperature: 175° F (79° C)
- Mechanical actuation possible with pull cable assemblies and must be installed in order to retain USCG and FM approvals. Other cable lengths available from 6' to 100' through special order (allow 2-4 weeks).
- Models protecting enclosures from 25 cubic feet (.71 cubic meters) through 600 cubic feet (17 cubic meters) may be installed vertically or horizontally.
- Models protecting 650 cubic feet (18.4 cubic meters) through 1500 cubic feet (42.4 cubic meters) may be installed vertically or tipped to 60° off horizontal (30° off perpendicular).

DG Subject to Dangerous Goods Fee

HIGH-TEMPERATURE MANUAL DISCHARGE CABLES

Fireboy High-Temperature Manual Discharge Cables allow for the manual discharge of an MA2 or GA Series system when smoke or flames are detected and meet the U.S. Coast Guard flame-test guidelines for fire resistance. Determine the length of cable needed by measuring from the extinguisher head to the desired location where the red T-handle can be easily pulled. Use the shortest allowable cable when possible. Maximum allowed bending of the cable (in degrees) should not exceed 360° and should be taken into consideration when selecting the cable length.

ORDER NO.	Mfr. No.	Length
454-04209-12	E-4209-12	12 ft.
454-04209-14	E-4209-14	14 ft.
454-04209-16	E-4209-16	16 ft.
454-04209-18	E-4209-18	18 ft.
454-04209-20	E-4209-20	20 ft.

CABLE ANGLE ADAPTER

For use with Fireboy Manual Discharge Cables when space limitations or owner preference call for an angled pull-out. 0Constructed of stainless-steel.

ORDER NO. 454-28501 Mfr. No. CAA-0285-01

For more information see: www.fireboy-xintex.com

FIREBOY-XINTEX

Made in the USA

GASOLINE FUME DETECTOR & ALARM

w/ Plastic Sensor

Detect gasoline leaks early to prevent personal injury and possible explosions.

ON BOARD, ON GUARD!

Model	Gasoline Fume Detector & Alarm w/ Sensor	Gasoline Fume Detector & Alarm w/ Sensor	Gasoline Fume Detector Alarm w/ 2 Sensors	Gasoline Fume Detector Alarm & Blower Control w/ Sensor	Gasoline Fume Detector Alarm & Blower Control w/ Sensor
ORDER NO.	**454-60001**	**454-60002**	**454-60000**	**454-60003**	**454-60004**
Mfr. No.	G-1B-R	G-1C-R	G-2B-R	G-1BB-R	G-1CB-R
Gasoline Detector	G1BR-N01-D	G1CR-N01-D	G2BS-N01-D	G1BR-B01-D	G1CR-B01-D
Finish:	Black	Chrome	Black	Black	Chrome
Plastic Fuel Sensor: (Included)	**(1)** FS-T01-S	**(1)** FS-T01-S	**(2)** FS-T01-S	**(1)** FS-T01-S	**(1)** FS-T01-S
Extension Cable: 20' (6m) (Included)	**(1)** FS-X01 Cable	**(1)** FS-X01 Cable	**(2)** FS-X01 Cable	**(1)** FS-X01 Cable	**(1)** FS-X01 Cable
30 Amp Relay @ 12 VDC (Included)	N/A	N/A	N/A	**(1)** MB30RLY	**(1)** MB30RLY
Manual (Included)	18140	18140	18140	18141	18141
Volts:	9-30 VDC	9-30 VDC	9-30 VDC	9-30 VDC	9-30 VDC
Display:	2-3/16" (56mm) **ROUND** Black Display w/ LEDs & Silence/Test Button	2-3/16" (56mm) **ROUND** Chrome Display w/ LEDs & Silence/Test Button	2-5/8" (67mm) **SQUARE** Black Display w/ LEDs & Silence/Test Button	2-3/16" (56mm) **ROUND** Black Display w/ LEDs & Silence/Test Button	2-3/16" (56mm) **ROUND** Chrome Display w/ LEDs & Silence/Test Button
Alarm:	68dBA Alarm will Sound and Red LED will light at 20% of the LEL	68dBA Alarm will Sound and Red LED will light at 20% of the LEL	68dBA Alarm will Sound and Red LED will light at 20% of the LEL	68dBA Alarm will Sound and Red LED will light at 20% of the LEL	68dBA Alarm will Sound and Red LED will light at 20% of the LEL
Operating Temperature:	-40˚F to 185˚F -40˚C to 85˚C	-40˚F to 185˚F -40˚C to 85˚C	-40˚F to 185˚F -40˚C to 85˚C	-40˚F to 185˚F -40˚C to 85˚C	-40˚F to 185˚F -40˚C to 85˚C
Polarity:	Reverse Polarity Protected	Reverse Polarity Protected	Reverse Polarity Protected	Reverse Polarity Protected	Reverse Polarity Protected
Current Draw: @ 12 VDC	Nominal: 55 mA Maximum: 95 mA	Nominal: 55 mA Maximum: 95 mA	Nominal: 95 mA Maximum: 150 mA	Nominal: 55 mA Maximum: 95 mA	Nominal: 55 mA Maximum: 95 mA
Blower: Automatic Ventilation	N/A	N/A	N/A	**Yes**	**Yes**
Mounting Hole:	Drill 2-1/16" (52mm)	Drill 2-1/16" (52mm)	Drill 2-1/8" (54mm)	Drill 2-1/16" (52mm)	Drill 2-1/16" (52mm)

PROPANE FUME DETECTOR & ALARM

w/ Plastic Sensor

Detect propane leaks early to prevent personal injury and possible explosions.

ON BOARD, ON GUARD!

Made in the USA

454-82004

454-82005

454-82001

Model	Propane Fume Detector & Alarm w/ Sensor	Propane Fume Detector & Alarm w/ Sensor	Propane Fume Detector & Alarm w/ 2 Sensors & Solenoid Valve
ORDER NO.	**454-82004**	**454-82005**	**454-82001**
Mfr. No.	P-1B-R	P-1C-R	P-2BS-R
Propane Detector	P1BR-N01-D	P1CR-N01-D	P2BS-S01-D
Finish:	Black	Chrome	Black
Plastic Fuel Sensor: (Included)	**(1)** FS-T01-S	**(1)** FS-T01-S	**(2)** FS-T01-S
Extension Cable: 20' (6m) (Included)	**(1)** FS-X01 Cable	**(1)** FS-X01 Cable	**(2)** FS-X01 Cable
Solenoid Valve (Included)	N/A	N/A	95004
Solenoid Valve Adapter	N/A	N/A	3/8" x 1/4" Adapter
Solenoid Valve Control Button	N/A	N/A	Yes
Automatically Closes Solenoid Valve	N/A	N/A	Yes
Manual (Included)	18142	18142	18143
Volts:	9-30 VDC	9-30 VDC	9-30 VDC
Display:	2-3/16" (56mm) **ROUND** Black Display w/ LEDs & Silence/Test Button	2-3/16" (56mm) **ROUND** Chrome Display w/ LEDs & Silence/Test Button	2-5/8" (67mm) **SQUARE** Black Display w/ LEDs & Silence/Test Button
Alarm:	68dBA Alarm will Sound and Red LED will light at 20% of the LEL	68dBA Alarm will Sound and Red LED will light at 20% of the LEL	68dBA Alarm will Sound and Red LED will light at 20% of the LEL
Operating Temperature:	-40˚F to 185˚F -40˚C to 85˚C	-40˚F to 185˚F -40˚C to 85˚C	-40˚F to 185˚F -40˚C to 85˚C
Polarity:	Reverse Polarity Protected	Reverse Polarity Protected	Reverse Polarity Protected
Current Draw: @ 12 VDC	Nominal: 55 mA Maximum: 95 mA	Nominal: 55 mA Maximum: 95 mA	Nominal: 95 mA Maximum: 780 mA
Mounting Hole:	Drill 2-1/16" (52mm)	Drill 2-1/16" (52mm)	Drill 2-1/8" (54mm)

Note:* See Page 510 *for replacement sensors

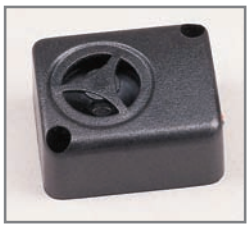
FIREBOY-XINTEX

GASOLINE / PROPANE FUME DETECTOR REPLACEMENT PARTS

MS-2 GASOLINE AND PROPANE SENSOR

Replaces MS-1 and PS-1 sensors.
Color-coded RED with a quick-disconnect 12-inch lead that connects to a standard 20-foot sensor cable that is compatible with current model Xintex fume detectors. Plug-in connectors eliminate wire routing during installation or sensor replacement.
For units manufactured before Dec 30 2016
For use with **M-1, MB-1, M-2A, S-1, S-1A** and **S-2A Detectors.**
Available in red.

ORDER NO. 454-00005
Mfr. No. MS-2



RH-1 LOUD HORN

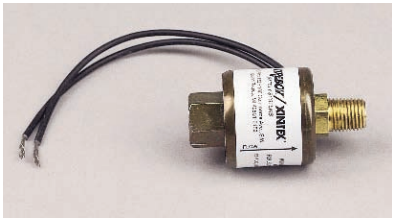
For the hearing impaired or installations with extreme ambient noise levels. This horn produces 85 decibel output. For use with the **M-2A-R, MB-2-R** and **S-2A**.

ORDER NO. 454-00003
Mfr. No. RH-1

SV-1 SOLENOID VALVE

A UL listed 12V solenoid with
FAIL-SAFE feature. Can be installed on either side of a regulator, depending on whether the fuel source is propane or CNG. Consult owner's manual. Compatible with all S-2A and S-1A modules.

ORDER NO. 454-00004
Mfr. No. SV-1



REPLACEMENT GASOLINE/PROPANE SENSORS W/ 20' CABLE

For use with G1, G2 (Gasoline) and P1, P2 (Propane) Series Detectors, ***See Pages 508 and 509.***
Replacement sensors for units manufactured after Jan 1st, 2017

ORDER NO.	Mfr. No.	Description
454-71010	FS-T01-R	Replacement **Plastic** Sensor w/ 20' Sensor Cable
454-71020	FS-A01-R	Replacement **Aluminum** Sensor w/ 20' Sensor Cable

For more information see: www.fireboy-xintex.com

MARINCO BEP PRODUCTS

GAS DETECTOR W/CONTROL

Same as 600-GD but has the ability to switch a valve on. The unit has a unique "Pulse & Hold" circuit. This allows the valve to be pulled in at 12V then steps down the voltage to hold the valve in place at 250mA. This reduces power consumption and heat build up.

- Operating Voltage 10 to 32 Volts DC
- Self testing capability
- Microprocessor control
- Provision for external alarm
- Automatic shut-off solenoid control with pulse and hold circuit for low power draw (600-GDL only)
- Provision for bilge blower
- Dual sensor capability
- For remote alarm operation use part no. 54-27C4

ORDER NO. 770-06001
Mfr. No. 600-GDL

For more information see: www.bepmarine.com

CMD6-M MARINE CO ALARM

Carbon Monoxide Alarm with New Sensor Technology

MADE IN THE USA

NEW!

How the Fireboy-Xintex CMD6-M CO Alarm Works:

The Xintex CMD6-M CO alarm uses a sensor operating with a microprocessor to measure Carbon Monoxide (CO) levels. Using a "Time-Weighted Average" (TWA) process, it monitors CO concentration, temperature and time to calculate levels of Carboxyhemoglobin (COHb). COHb is the degree to which the oxygen carrying capacity of the blood is impeded by the union of carbon monoxide to the hemoglobin and is expressed as a percentage. The human body absorbs CO easier than oxygen and COHb is the ratio of absorbed carbon monoxide to oxygen in the bloodstream. The CMD6-M alarm calculates this COHb as a function of time and determines the appropriate alarm response.

Recommended Carbon Monoxide Detector Installation:

A carbon monoxide detector should be installed in each accommodation space. Small crafts with an open design may require only one detector for adequate protection. If two or more sleeping areas or spaces are partitioned then one detector should be installed in each of the spaces.

- **New Sensor Technology**
  Electrochemical sensor – immediate and stable sensing reduces false alarms
  Ultra-low current draw – 4 mA
  Long sensor life – Approx. 7 year End of Life (EOL)
- **Multiple Location Warning**
  All connected CMD6-MI Alarms sound together
- **Compact Design for Inconspicuous Protection**
  Modern design blends in with interior decor
- **Battery Operated Version requires No Power Wiring**
  Reduced labor and material costs to install
  Maintenance free lithium-metal batteries
- **Relay module available for generator shutdown**
  One relay control module for multiple CO alarms

- **Fireboy-Xintex quality and reliability on board**
  - Microprocessor controlled
  - Conformal coated circuit board for added protection
  - Time-weighted average CO measurement process constantly monitors all CO levels
  - Highly resistant to most chemicals, solvents & cleaners
  - Internal batteries or 12/24 VDC models available
  - CMD6-M Marine Series CO Alarms Tested by ETL to UL 2034, (Edition 4)
  - ABYC A-24 24.4.5
    Enclosed accommodation compartment
    - one contiguous space, surrounded by permanent structure that contains all the following:
    - Designated sleeping accommodations
    - Galley area with sink
    - Head Compartment

Needs to be activated before use!

CO ALARM	BATTERY POWER	BATTERY with RELAY & POWER INTERCONNECT	12/24V DC POWER	12/24V DC with RELAY & POWER INTERCONNECT
ORDER NO.	**555-60000**	**555-60001**	**555-66600**	**555-66601**
Mfr. No.	CMD6-MB-R	CMD6-MBR-R	CMD6-MD-R	CMD6-MDR-R
Marine Applications	Yes			
End of Life (EOL)	Approximately 7 Years			
Power Usage @ 12 VDC	None	None	4mA	4mA
Alarm Point	10% COHb			
Multiple Alarm Connections	No	Yes	No	Yes
Alarm Horn	85 dBA			
CMD5 Dimensions (L x W x H)	3.5" x 3.5" x 1.1" 89 mm x 89 mm x 28 mm			
Batteries	Lithium-Metal		N/A	
Optional Relay Control Module for Generator Shutdown or External Signal	N/A	RCM5 **ORDER NO. 454-55505**	N/A	RCM5 **ORDER NO. 454-55505**
RCM5 Dimensions (L x W x H)	4.05" x 2.1" x 1.08" 103 mm x 54 mm x 28 mm			
Warranty	One (1) Year Limited Warranty Material & Workmanship			

NOTE: New CMD6-MB battery-powered CO Alarms need to be activated before use, as stated on the red label of product.

ORDER NO.	Mfr. No.	Description
454-55505	RCM-5	Optional Relay Control Module

SMOKE DETECTOR & FIRE ALARM

UL Listed for RV Use

- Universal Smoke Sensing Technology is an ionization alarm containing patented Smart Alarm Technology®.
- Responds quickest to fast flaming fires, and also respond very quickly to slow smoldering fires
- This smoke & fire alarm is listed to UL217 and **APPROVED FOR USE IN RECREATION VEHICLES**
- In addition to smoke and fire alarms, ABYC recommends installing one Marine approved Carbon Monoxide Detector in each sleeping quarter and accommodation space

- Silence feature
- Low battery indicator
- Alarm 85dB
- Test button
- Fast and easy installation
- 9 volt alkaline battery included
- Dimensions: 4.25" Diameter, 1.25"H

ORDER NO.454-00775
Mfr. No. SS-775

For more information see: www.fireboy-xintex.com

BOAT HOOKS

BOAT HOOKS

- Garelick boat hooks extend your reach!
- A necessity for any boat when docking, launching, retrieving or mooring
- Lightweight, durable aluminum is well balanced with maximum strength
- Smooth telescoping twist lock with rolled tube edge for ease of use, comfort, and maximum strength
- Clear satin finish, premium grip
- Hooks are permanently attached with unique formed dimple
- High tensile anodized aluminum tube resists corrosion
- Comfortable non-slip vinyl safety grip is permanently attached as a handle

• Replacement Head: Mfr #99046

SPECIAL ORDER ITEM

459-55170 & 459-55175

PREMIUM TELESCOPING BOAT HOOKS

ORDER NO.	Mfr. No.	Length	Adjustment	Sections	Diameter
459-55170	55170:02	8 ft.	3.5' to 8'	3	1", 1-1/8", 1-1/4"
459-55175	55175:02	12 ft.	4'8". to 12'	3	1", 1-1/8", 1-1/4"

459-55190-Telescoping Boat Hook

459-55006-Fixed Length Boat Hook

STANDARD BOAT HOOKS

ORDER NO.	Mfr. No.	Length	Adjustment	Sections	Diameter
459-55190	55190:02	7.5 ft.	4' to 7.5'	2	1", 1-1/8"
459-55006	55006:02	6 ft.	Fixed	1	1"

For more information see: www.garelick.com

BOAT HOOK & EXTENDING HANDLE

- Pole extends from 3 ft (94 cm) to 6 ft (183 cm) with special fast locking cam action.
- Constructed of aircraft grade aluminum, which is triple anodized for years of maintenance free service.
- Quick connect/disconnect allows use of all Extend-A-Brush accessories.
- Boat hook is made of glass-reinforced nylon and is unbreakable.
- Special yoke design makes for easy rope handling and pick-ups.

ORDER NO. 404-00541 Mfr. No. 040054

IT FLOATS

ECONOMY BOAT HOOK (Telescoping)

Telescoping pole extends from 4 ft. (124 cm.) to 8 ft. (243 cm.) with special fast locking cam action. Boat hook is made of unbreakable glass reinforced nylon. Special air chambers make it float.

ORDER NO. 404-06091 Mfr. No. 040609

IT FLOATS

STAR BRITE BOAT HOOK

- Fits all Extend-A-Brush Premium Handles
- Constructed of unbreakable glass reinforced nylon for years of trouble free use
- Special design makes for easy rope handling and pick up

ORDER No. 404-00331 Mfr. No. 040033

For more information see: www.starbrite.com

TELESCOPING BOAT HOOKS

The Most Dependable Twist Lock and Strongest Boat Hook End

A tough boat hook is a valuable asset when launching, docking, mooring or retrieving your favorite hat. Team™ fixed boat hooks come in two lengths, 4' and 6' (1.2 and 1.8m). Our telescoping boat hooks adjust to 8' or 12' (2.4 and 3.7m). The threaded end accepts a deck brush, mop, squeegee and other accessories. A highly visible, soft vinyl tip covers the threads and protects the boat's finish when fending off.
All Team™ boat hooks float!

ORDER NO.	Mfr. No.	Adjusts	Sections	Diameters
510-04132	4132	38" to 8'	3	1",1-1/8" & 1-1/4"
510-04122	4122	53" to 8'	2	1" & 1-1/8"
510-04152	4152	54" to 12'	3	1",1-1/8" & 1-1/4"

Team™

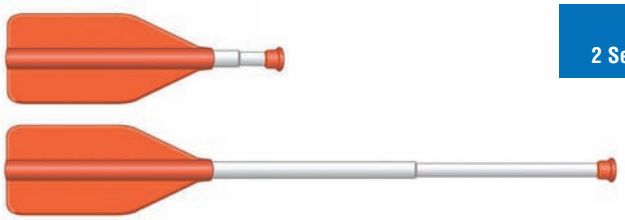
This Lexan® Hook is virtually UNBREAKABLE LIFETIME GUARANTEE If Lexan® Hook should ever break, send broken piece to Davis for free replacement kit. DAVIS • Hayward, CA • U.S.A.

#4132 Telescoping Boat Hook

TELESCOPING PADDLE/ADJUSTABLE PADDLES

Paddles are required by law in many states aboard PWC's and small boats. Team™ adjustable paddles stow easily and telescope to 3'9" (.51 to 1.14m). Our Paddle/Boat Hook combination is great to have on board and at the launch ramp. The bright orange paddle end doubles as a signalling device. Made tough for years of hard use.

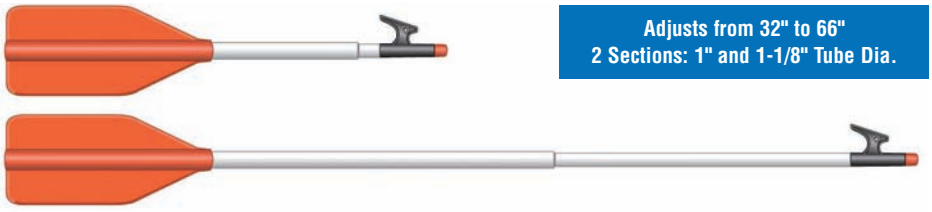
ORDER NO. 510-04330
Mfr. No. 4330



Adjusts from 20" to 45"
2 Sections: 1" and 1-1/8" Tube Dia.

TELESCOPING PADDLE W/BOAT HOOK

The best boat hook just got better with a threaded tip!



Adjusts from 32" to 66"
2 Sections: 1" and 1-1/8" Tube Dia.

ORDER NO. 510-04372 Mfr. No. 4372

For more information see: www.davisinstruments.com

BOAT HOOK END ONLY

To replace most 1" (25mm) boat poles.

ORDER NO. 510-05141
Mfr. No. 5141

BOAT HOOKS

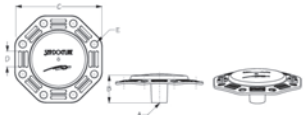
Injection Molded Nylon/Aluminum

Sea-Dog boat hooks feature an over-molded soft rubber coated hook to protect your boat from scuffs and scratches. The bright orange rubber tip cover is readily visible and removes for accessory attachment. The four-point hook attachment, comfort grip handle, and marine grade aluminum tubing make for a high quality and durable accessory. Its buoyant design keeps the boat hook afloat for more than 5 minutes.

ORDER NO.	Mfr. No.	A	B	Style
424-91012	491012-1	48"	n/a	1 Piece
424-91013	491013-1	72"	n/a	1 Piece
424-91021	491021-1	24"	36"	2 Piece
424-91024	491024-1	48"	96"	2 Piece
424-91034	491034-1	36"	96"	3 Piece
424-91036	491036-1	56"	144"	3 Piece
424-91050	491050-1	Cap Only		

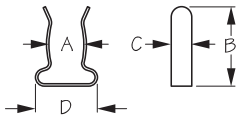
BOAT HOOK MOORING COVER SUPPORT CROWN

Injected Molded Nylon - UV Resistant



ORDER NO.	Mfr. No.	A	B	C	D	E
424-91110	491110-1	7/8" (Tapered)	2"	6-1/2"	1"	1/2"

Fits the tip of an adjustable boat hook or any universal/Acme thread that is used to support a mooring cover or canvas. The unique design has strap or line attachment details allowing the ability to secure the support crown in the correct location eliminating problems caused by water pooling pressures from rain, sleet or snow. Combine any of Sea-Dog® Boat hook with the support crown # 491110-1 and mooring cover support crown straps # 491115-1 for the perfect solution to nature's pooling pressures.



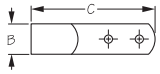
BOAT HOOK CLIP

Stamped 304 Stainless

ORDER NO. 424-91135 (pr.)

Mfr. No. 491135-1

A = 3/4" to 1"
B = 1-11/16"
C = 7/16"
D = 1-3/8"
Fastener: #7 RH



BOAT HOOK BRACKET

Stamped 304 Stainless

ORDER NO. 424-91130 (pr.)

Mfr. No. 491130-1

A =1-1/4"
B = 1"
C = 4"
Fastener:1/4" RH

BOAT HOOK SUPPORT CROWN WEBBING STRAPS

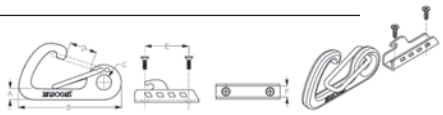
Injected Molded Nylon

ORDER NO.	Mfr. No.	A	B	C
424-91115	491115-1	1"	15"	9-1/4"

Three nylon webbing straps designed for positioning the support crown securely. Each strap is 15' in length with securing loop on one end and adjustable snap clip for setting once and clipping in and out for ease of use.

BOAT HOOK MOORING BUOY SNAP KIT

Investment Cast 316 Stainless/304 Stamped Stainless



ORDER NO.	Mfr. No.	A	B	C	D	E	F	Fastener
424-91055	491055-1	3/8"	4"	5/8"	7/8"	1-3/4""	7/16"	#8 FH
424-91056	491056-1	Boat Hook Keeper Plate Only						

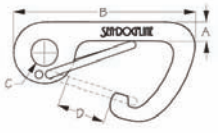
Cast 316 stainless steel snap makes attaching a line to a mooring buoy a simple and quick process. Includes the snap hook, keeper plate, and fasteners for attaching the keeper plate to a boat hook (Sea-Dog boat hooks have predrilled mounting holes).

SPRING GATE ASYMMETRICAL SNAP HOOK -

Investment Cast 316 Stainless/304 Stamped Stainless

ORDER NO.	Mfr. No.	A	B	C	D
421-55500	155500-1	3/8"	4"	5/8"	7/8"

Included in the Boat Hook Mooring Buoy Snap Kit #491055-1

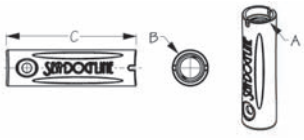


BOAT HOOK TO LOCK BUTTON ACCESSORY ADAPTER

Fiberglass Filled Injection Molded Nylon

ORDER NO.	Mfr. No.	A	B	C
424-91060	491060-1	Universal/Acme Thread	1"	3-1/2"

Allows the Sea-Dog boat hook to be used with Shurhold™ and other accessories that have a lock button attachment system.



For more information see: www.sea-dog.com

LARGE BOAT HOOK MOORING BUOY SNAP KIT

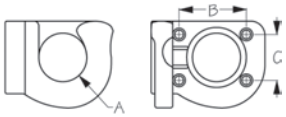
Investment Cast 316 Stainless/304 Stamped Stainless

ORDER NO.	Mfr. No.	A	B	C	D	E	F	Fastener
424-91058	491058-1	1/2"	8-1/8"	1-3/16"	2-1/2"	1-11/16"	3/4"	#8FH

The safe and easy solution for attaching a mooring line to a mooring buoy or cleat. These channeled 316 stainless steel snaps fit onto the end of boat hooks or other poles, using the included backing plate, turning a challenging task into a quick and simple process. The kit includes the snap hook, keeper plate and fasteners for attaching the keeper plate (Sea-Dog® boat hooks have pre-drilled holes for ease of installation). Truly a life saver on high bowed vessels. Simply reach out with the boat pole, hook the carabiner on the inside of the attachment point, then pull back on the boat pole. The carabiner snaps shut as it slides free of the pole and you're now clipped to the mooring eye or cleat. The large size works on cleats up to 24"! WLL-2,185 lbs.

FOLDING POLE STORAGE BRACKET

Injection Molded Nylon/304 Stainless

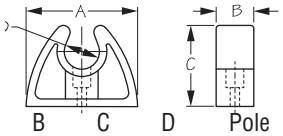


ORDER NO.	Mfr. No.	A	B	C
424-91140	491140-1	1-1/4"	1-3/4"	1-3/16"

POLE STORAGE KIT

Injection Molded Rubber

Sold as a pair



ORDER NO.	Mfr. No.	A	B	C	D	Pole Size
424-91145 pr.	491145-1	2-1/4"	3/4"	1-5/8"	3/4"	3/4"

POLE STORAGE CLIP

Made of Injection Molded Rubber these Pole Clips hold a 3/4" pole firmly and without rattle. A great addition for the counter or can be hung on peg board with its custom rack.
Contains: 30 Pcs.

ORDER NO. 424-91145-5
Mfr. No. 491145-5

For more information see: www.sea-dog.com

PERKO® MADE IN THE USA

POLE STORAGE CLIPS

Soft Black Polymer, U.V. Stabilized
Fits 3/4" Diameter Tubing
Screw size: 10 P.H.
Dimension: 3/4" x 2-1/4" x 1-5/8"

Sold as a pair
ORDER NO. 621-04771
Mfr. No. 04477DPOBLK

For more information see: www.perko.com

PROMOTIONAL PADDLES - (ASPEN)

ORDER NO.	Mfr. No.	Length
100-44848	448	48"
100-45454	454	54"
100-46060	460	60"

DELUXE BEAVER TAIL PADDLES - (SPRUCE ASH)

ORDER NO.	Mfr. No.	Length
100-65454	654	54"
100-65757	657	57"
100-66060	660	60"
100-66363	663	63"

SERIES 1 OARS - (SPRUCE)

ORDER NO.	Mfr. No.	Length
100-91150	150RA-PR	5 ft (pair)
100-91165	165RA-PR	6.5 ft (pair)
100-91170	170RA-PR	7 ft (pair)
100-91175	175RA-PR	7.5ft (pair)

(Sold in pairs)

For more information see: www.quessyinternational.com

Canadian Made

KAYAK PADDLE

- 86" long
- Breaks down into 4 sections
- Blades are asymmetrical to equalize force
- Lightweight high impact plastic blades reinforced with fibreglass
- Blade angles are adjustable

AIRHEAD

ORDER NO. 737-32631
Mfr. No. AHTK-P3

TELESCOPING BOAT HOOK PADDLES P-1 & P-3

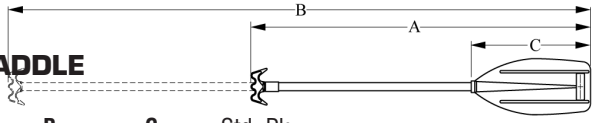
- Lightweight and adjust easily to variable lengths
- Shaft disappears inside blade for compact storage
- Corrosion-resistant aluminum shaft
- High-impact molded blade
- Boat hook handle and hassle-free locking device
- Bright orange blade

ORDER NO.	Mfr. No.	Length	Boat Type
737-15962	P-1	20"-45"	Low Profile Boats & PWC's
737-20744	P-3	25.5"-72"	For Higher Profile Boats

For more information see: www.airhead.com

TELESCOPIC BOAT HOOK PADDLE

Injection Molded Nylon/Aluminum



ORDER NO.	Mfr. No.	A	B	C	Std. Pk.
424-90300	490300-1	44-1/2"	72"	14-3/4"	Each

Boat Hook Paddle has grab hole in paddle for hand and handle has double hook. Boat Hook Paddle telescopes to six feet.

SEA-DOG LINE QUALITY MARINE GEAR

For more information see: www.sea-dog.com

TELESCOPIC BOAT HOOK PADDLE

- Lightweight with aluminum shaft
- Includes sturdy boat hook
- Comfortable handle for a great grip
- Adjusts to varying lengths with a quick twist of the handle
- Simple locking device ensures that extended handle remains in place while paddling
- High-impact molded yellow plastic blade with corrosion-resistant shaft
- Compact easy to store under boat seat or storage compartment

FOX 40 marine

ORDER NO.	Mfr. No.
561-92802	7928-0206

For more information see: www.fox40world.com

CLAMP-ON OAR LOCKS

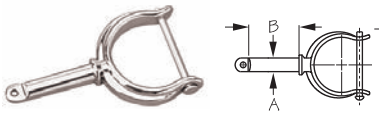
Zinc-plated steel resists rust. Oarlock fastens securely to oar with one adjustable bolt, no drilling required.

ORDER NO. 109-91460 (Sold in Pairs)
Mfr No. 9146-3

For more information see: www.attwoodmarine.com

SEA-DOG LINE QUALITY MARINE GEAR

425-80411



425-80413

OARLOCK HORNS

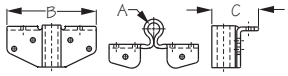
Die Cast Zinc Chrome Plated

ORDER NO.	Mfr. No.	Type	A	B
425-80411	580411-1	Horn Pin 1-5/8"	1/2"	2-1/4"
425-80413	580413-1	Horn Ribbed Pin 2"	1/2"	2-1/4"

(Sold in Pairs)

HEAVY DUTY OARLOCK SOCKET

Zinc Plated Steel

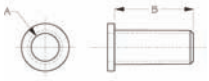


ORDER NO.	Mfr. No.	Type	A	B	C
425-82050	582050-1	Angled	1/2"	3-1/2"	1-7/8"

(Sold in Pairs)

OARLOCK BUSHING

Injection Molded Polypropylene



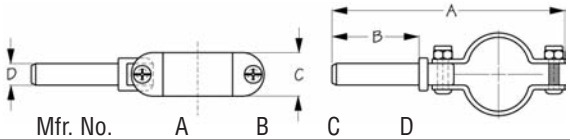
ORDER NO.	Mfr. No.	A	B
425-82059	582059-1	1/2"	1-9/16"

Oarlock Bushing reduces 5/8" Oarlock Socket down to 1/2".
Use in Sea-Dog Line part numbers 582030, 582040, 582054

(Sold in Pairs)

CLAMP-ON OARLOCKS

Zinc Plated Steel

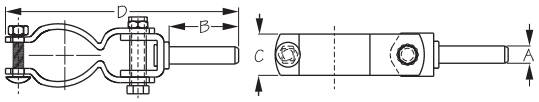


ORDER NO.	Mfr. No.	A	B	C	D
425-82060	582060-1	1/2"	2"	1"	5-3/8"

(Sold in Pairs)

HEAVY DUTY CLAMP-ON OAR LOCKS

Zinc Plated Steel

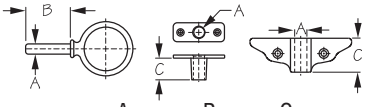


ORDER NO.	Mfr. No.	A	B	C	D
425-82070	582070-1	1/2"	2"	1-3/16"	6-3/4"
425-82072	582072-1	9/16"	2"	1-3/16"	6-3/4"

(Sold in Pairs)

OARLOCK SOCKET

Hot Dipped Galvanized Malleable Iron



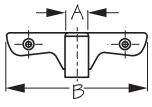
ORDER NO.	Mfr. No.	Type	A	B	C
425-80870	580870-1	Round Horn	1/2"	2"	
425-80880	580880-1	Top Mount	1/2"	-	1-1/16"
425-80890	580890-1	Angle Mount	1/2"	-	1-3/16"

(Sold in Pairs)

OARLOCK SOCKET ANGLE MOUNT

Die Cast Zinc Chrome Plated

ORDER NO.	Mfr. No.	A	B
425-80451	580451-1	1/2"	4-5/8"

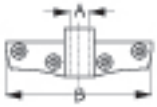


For more information see: www.sea-dog.com

SEA-DOG LINE QUALITY MARINE GEAR

OARLOCK SOCKET

Cast Brass/Polyethylene



ORDER NO.	Mfr. No.	TYPE	A	B
425-80610 (pr.)	580610-1	Side Mount	1/2"	3-3/4"

Includes polyethylene insert for smooth rotation.

For more information see: www.sea-dog.com

Scotty

STRONGBACK OAR LOCK

- 2-1/8" Inside dimension (standard oars).
- Molded nylon over stainless steel core for maximum strength.
- Low friction nylon creates smooth and quiet operation.
- Standard 1/2" straight shank.
- Competitively priced against standard galvanized models.

ORDER NO. 382-01020 (pr.)
Mfr. No. 102-BK

OAR COLLAR

- Made of rugged, flexible polyethylene.
- Adjustable and long wearing.
- Quick and easy to install (fasteners supplied).

ORDER NO. 382-01010 (pr.)
Mfr. No. 101-BK

PADDLE CLIP

- Quickly clip your paddle to your watercraft
- Holds: Paddles, nets, gaffs, boat hooks and all sorts of other gear

ORDER NO. 382-01360
Mfr. No. 136

For more information see: www.scotty.com

TH MARINE

PADDLE KEEPER

- Unique concept for paddle storage
- Holds paddle either vertical, horizontal or overhead
- Corrosion proof, chemical resistant plastic

ORDER NO. 205-63001
Mfr. No. PK-1-DP

PADDLE KEEPER

For more information see: www.thmarine.com

AXE BRACKET

Stainless Steel

ORDER NO.	Mfr. No.	BLADE WIDTH INCHES	SOCKET SCREW SIZE	BRACKET SCREW SIZE
621-32500	0325 000 STS	6	10 R.H.	6

PERKO MADE IN THE USA

For more information see: www.perko.com

SAIL PATCH REPAIR TAPE

LIFESAFE®

Excellent resistance to tearing in any direction, very aggressive adhesive, works on damp sails. Transparent color suitable for any sail. Tape is light weight and flexible.

ORDER NO.	Mfr. No.	Description
263-03843	RE3843	3" x 15 ft Roll/Clear
263-11750	RE1175	6" x 10 ft Roll/Clear

SAIL PATCH REPAIR TAPE
Shelf Talker
Inner Pack: 8 packs RE3843
Sail Patch Tape
Mfr. No. ST6017
ORDER NO. 263-06017

MASTBOOT TAPE

Installing MastBoot does not require un-stepping the mast.
It bonds itself into a solid piece of rubber offering protection against moisture.
It conforms to irregular surfaces.
It leaves no sticky residue.

ORDER NO.	Mfr No.	Description
263-03940	RE3940	4" x 40" Roll
263-03941	RE3941	4" x 100" Roll

RIGGING TAPES

Rigging Tape protects against chafing and sharp edges while providing extraordinary safety for sails, lines and rope ends.
Extra strength for securing turn buckles.
- Waterproof
- No sticky residue - Linerless
- Weatherproof
- Easy to use

ORDER NO.	Mfr. No.	Description	Type
263-03867	RE3867	1" x 15 ft Roll/White	Self Bonding

HATCH TAPE – VINYL FOAM TAPE

1/8" x 3/4" x 7 ft - 1 roll/pack
For bedding in windows and deck fittings.
Also use as an anti-vibration and water seal for engine hatch covers, etc.

ORDER NO. 263-03870
Mfr. No. RE3870
1/8" x 3/4" x 7 ft Roll

HEAVY DUTY CLOTH VINYL COATED ANTI CHAFING TAPE

Protects your lines from chafing or breaking at the dock or on the boat. Ideal for protecting dock lines, mooring lines, rigging, etc.
Developed to withstand salt water.
12 mils thick, yet soft and pliable.
Will not crack.

ORDER NO. 263-03949
Mfr. No. RE3949 1" x 25 ft Roll

BUTYL CAULKING TAPE

Butyl tapes help prevent and reduce costly water damage.
Tough rubber, pressure sensitive mass, offers excellent adhesion to a variety of surfaces (no applicators required). Used to seal out: dirt, dust, moisture and water.
Easy to use in tape form. Low moisture vapor transmission value.
A must requirement in any sealing application.
Butyl tapes are packaged with an attractive illustration label plus comes in a rugged, reusable, resealable package for storing. Butyl caulking tape will remain sticky and will continue to conform over many years and will not dry up or crack like other sealants.

Grey	**ORDER NO. 263-20760**	Mfr.No. RE20760
Size: 3/4" x 1/8" x 20 ft		Grey - 1 roll/pack
White	**ORDER NO. 263-20761**	Mfr.No. RE20761
Size: 3/4" x 1/8" x 20 ft		White - 1 roll/pack

3M™ RESPIRATOR SELECTION CHART

RESPIRATOR SELECTION CHART

DISPOSABLE PARTICULATE RESPIRATORS

N95
Application:
Sweeping, sanding, grinding, sawing, bagging, hot/dusty operations
- With 3M™ Cool Flow™ Exhalation Valve

600-08511
Mfr. No. 8511 (10 pack)

N95
Application:
Sweeping, sanding, grinding, sawing, bagging

608-21095
Mfr. No. 8210 (20 pack)

CARTRIDGES

OV CARTRIDGE
For use with:
Certain organic vapours
606-60010
Mfr. No. 6001 (2 pack)

OV/AG CARTRIDGE
For use with:
Certain organic vapours, chloride, and sulphur dioxide or hydrogen sulfide (escape only) or hydrogen fluoride
606-60030 Mfr. No. 6003 (2 pack)

Increased comfort as you move up the arrow

FILTERS

N95 PREFILTER
For use with
6000 series cartridges
606-51950
Mfr. No. 5N11N95 (10 pack)

N95 RETAINER
Filter retainer for use with 5N11 or 5P71 filters
606-05010
Mfr. No. 501 (20 pack)

P100 FILTER
Welding, metal pouring, pharmaceuticals

600-20910
Mfr. No. 2091 (2 pack)

P100 FILTER
Application:
Same as 2091 plus chemical manufacturing, undercoating[1]

606-20971
Mfr. No. 2097 (2 pack)

FULL FACEPIECE

3M™ FF-400 SERIES FULL MASK FACEPIECE
With 3M™ Cool Flow™ Exhalation Valve

Medium
606-04021
Mfr. No. FF-402

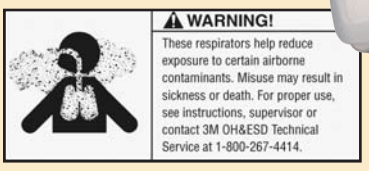
Large
606-04031
Mfr. No. FF-403

HALF FACEPIECE

3M™ 7500 SERIES HALF MASK FACEPIECE
Medium
600-75020
Mfr. No. 7502

Large
600-75030
Mfr. No. 7503

3M™ 5000 SERIES HALF MASK FACEPIECE
Organic Vapour
600-05201
Mfr. No. 5201



[1]3M recommended for up to 10 times OSHA PEL of zone level organic vapour relief.
PARTICULATE FILTERS: 8210, 8511, 2091, 2097, 5N11. Change filter when breathing resistance increases, indicating the filter is loaded with particles.
CHEMICAL CARTRIDGES: 6001, 6003. Change the cartridges when the user can taste or smell the contaminant while wearing the respirator.
Only use chemical cartridges with contaminants that have good warning properties.
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3M™ ULTIMATE FX FULL FACEPIECE RESPIRATOR – FF-400

Engineered to deliver maximum comfort with a wide field of view

- Large Lens featuring Scotchgard™ protector
- Bonded silicone gaskets
- Easy to use
- Durable, long-lasting head harness
- Comfortable cradle
- Soft, silicone nose cup and faceseal
- Pantented 3M™ Cool Flow™ Exhalation valve
- Complete with innovative accessories that can enhance comfort and performance

ORDER NO. 606-04021
Full Facepiece - Medium
ORDER NO. 606-04031
Full Facepiece - Large

3M™ FF-400 Series Accessories

ORDER NO.	Mfr. No.	Description	Qty/Pack
606-00400-15	FF-400-15	Lens Cover	25
606-00400-17	FF-400-17	Semi Permanent Lens Protector	5

3M™ 5000 SERIES ORGANIC VAPOUR P95 MAINTENANCE FREE RESPIRATOR ASSEMBLY

(3M Recommended for paint spray & pesticide applications)

This NIOSH/OSHA approved maintenance-free respirator offers a new level of comfort and protection in painting applications. It is available in three convenient sizes designed to fit the majority of workers. Not for use against paints containing isocyanates.

ORDER NO. 600-05201 Medium Organic Vapor-Respirator Only

3M™ 6000 SERIES REPLACEMENT PARTS AND ACCESSORY ITEMS

ORDER NO.	Mfr. No.	Description	Qty/Pack
606-05010	501	Prefilter Retainer	20
606-68850	6885	Lens Cover	25
606-60010	6001	Organic Vapour Cartridge	2
606-60030	6003	Organic Vapour /Acid Gas Cartridge	2

3M™ 7500 SERIES HALF-MASK FACEPIECE

A soft seal design with advanced silicone material provides a softer feel on the face, while a unique head harness design adjusts easily so the user has the option of wearing the respirator in either traditional or drop-down mode. The 3M™ Cool Flow™ Exhalation Valve makes breathing easier, and helps reduce heat and moisture build-up in the facepiece.

HALF FACEPIECE - MEDIUM
ORDER NO. 600-75020

HALF FACEPIECE - LARGE
ORDER NO. 600-75030

3M™ REPLACEMENT FILTERS FOR 5000 & 6000 SERIES RESPIRATORS

3M™ 2091 P100 PARTICULATE FILTER

The 3M™ 2091 P100 Particulate Filter is designed to meet the NIOSH 42 CFR 84 filtration classifications, P100. The 2091 does so with comfort, simplicity and economy. 3M's new advanced electrostatic filter media (AEM) makes this possible. Currently, it is the only filter not made from fiberglass components to achieve a P100 rating. This filter can be used with 3M™ 5000 (with adapter) and 6000 Series Half and Full Facepieces.

ORDER NO.. 600-20910
(2/pk)

3M™ 2097 P100 PARTICULATE FILTER

This filter has been certified as being 99.97% efficient at removing solid and liquid particles including those containing oil. Used largely for welding, this filter is 3M recommended for ozone protection up to 10X the LTV and welding odor relief (organic vapors below the OSHA PEL). Designed for use only with the 3M™ 6000 and 7000 Series Half and Full Facepieces.

ORDER NO. 606-20971
2 Filters Per Bag

3M™ 5N11 N95 PARTICULATE PREFILTER

This prefilter offers cake-resistant filter media for easy breathing and lint-resistant coating to help ensure exacting results during painting operations. Requires N (non-oil) filters. Can be used with 3M™ 5000 and 6000 Series Respirators.

ORDER NO. 606-51950
(10/pk)

3M™ PAINT SPRAY RESPIRATOR

The 3M™ Paint Spray Respirator Assembly is NIOSH certified for organic vapors and 95% efficient in removing solid and liquid particles including oils. 3M suggested for spray painting lacquer, enamel and pesticides.

ORDER NO. 600-62110
Medium Respirators Per Box: 1

For more information see: www.3m.com/marine

3M™ PARTICULATE RESPIRATORS

3M™ 8210 N95 PARTICULATE RESPIRATOR

3M Recommended for sanding, grinding & buffing

- Meets NIOSH 42 CFR 84 N95 requirements.
- Excellent worker protection.
  Comfortable to wear and easy to use.
  Workers are quick to accept and use maintenance-free respirators.
- Lightweight construction.
  Promotes greater worker comfort.
  Contributes to increased wear time.
- Adjustable nose clip.
  Provides a custom fit and more secure seal.
  Reduces the potential for eyewear fogging.
- Basic design. Provides economical protection.

ORDER NO. 608-21095 **20 Per Box**

3M™8511 N95 PARTICULATE RESPIRATOR

3M Recommended for sanding, grinding & buffing

This respirator is NIOSH certified to have at least 95% filter efficiency at removing solid and liquid particles (excluding those containing oil). The innovative "M" nose clip helps provide a good seal against the face. The 3M™ Cool Flow™ Exhalation Valve reduces heat and humidity build up inside the respirator. Wearers will appreciate the added comfort and durability found in this respirator.

ORDER NO. 600-08511 **10 Per Box**

3M™ PETROLEUM SORBENTS

For use in "Hydrophobic"(oil only) Sorbent applications

3M™ Sorbents help contain and control potentially dangerous spills of oil and gasoline but repel water! 3M™ Sorbents are available in several different forms to meet most of your needs.

ORDER NO. 609-00550
5" x 50' Box folded (10.5 Gal/Box)

ORDER NO. 609-00156
17" x 19" x 1/4" Pad (.38 Gal/Pad)

3M™ PETROLL 5-GALLON PETROLEUM SPILL KIT

3M™ Petroll can be used for containing and absorbing petroleum-based liquid spills of up to 5 gallons. Conformable, 3M™ Petroll is an excellent solution for storage where space is limited. Because 3M™ Petroll uses 3M's Petroleum Sorbent-Folded technology, it can be used as booms, pillows, pads or roll, making it the most versatile response product available on the market today.

Kit Contains: 5" x 26' 3 with perforations every 16" (1" x 26' fully opened)
One temporary disposal bag and tie

ORDER NO. 609-00005

SECUREFIT™ PROTECTIVE EYEWEAR 200 SERIES

- 3M™ Pressure Diffusion Temple Technology – a scientific advancement that helps diffuse pressure over the ear & enhances temple comfort while not compromising the security of fit across diverse workforces, & has a soft nosepiece to help reduce slippage
- Shade 5.0 lens reduces ultraviolet, visible & infrared radiation reaching the eye
- Scotchgard™ Anti-Fog Lens coating helps keep lenses free of moisture in hot & humid conditions
- Anti-scratch coated polycarbonate lens which absorb 99.9% UVA & UVB, & UVC rays between 200 nm & 380 nm
- Lightweight, cool safety glasses
- Certified to CSA Z94.3 & meets the requirements of ANSI Z87.1
- Effective in both hot and cold weather.

NEW!

ORDER NO.	Mfr. No.	Description
606-02020	SF202AF-CA	Clear Anti-Fog Grey Lens, Grey/Black Frame

PRIVO™ PROTECTIVE EYEWEAR

- The smooth look of European styling and the tough performance of safety eyewear
- Excellent coverage with world-class fit
- Soft comfort nose bridge
- Colour-accented, soft-tipped temples
- Polycarbonate lens absorbs 99.9% UV rays
- Meets the requirements of CSA Z94.3-2007 and the High Impact Requirements of ANSI Z87.1-2003

ORDER NO.	Mfr. No.	Description
606-12262-20	12262-00000-20	Gray Anti-Fog Lens Black Frame/Orange Accent Temple Tips

BX™ PROTECTIVE EYEWEAR

- Sleek, contoured and fully adjustable
- Soft adjustable nose bridge
- Adjustable length temples for extended wear
- Integrated side shields
- Polycarbonate lens has three lens angles for a custom fit

ORDER NO.	Mfr. No.	Description
606-11380-20	11380-00000-20	Clear Anti-Fog Lens Silver/Black Frame

3M™ SAFETY-WALK™ GENERAL PURPOSE SURFACING HEAVY DUTY TREAD

ROLLS - BLACK (EACH)

ORDER NO. 607-77320
Size: 2" x 60 ft.
Rolls Per Case 6

ORDER NO. 607-77330
Size: 4" x 60 ft.
Rolls Per Case 3

3M™ SCOTCHLITE™ REFLECTIVE SAFETY TAPE

The 3M™ Scotchlite™ Reflective Tapes and Reflective Kits are composed of a highly flexible, durable, adhesive coated sheeting designed for areas that require bright night-time light reflectivity needed to increase safety. Examples include: trailers, driveways, mailboxes, bicycles, farm equipment, RVs and watercraft. In addition, they can be used at the marina or boat docking location to increase awareness and safety. For best results the surfaces should be smooth and clean. The 580 series tape will work on metal, glass, fibreglass, wood, and painted surfaces.

Note: For life saving equipment such as life vests, jackets, liferings, lifefloats, lifeboats, and liferafts, 3M™ Scotchlite™ Reflective Sheeting High Intensity SOLAS Grade Series 3150A is recommended.

ORDER NO. 600-03456
Size: Silver 2" x 36"
ORDER NO. 600-03459
Size: Red 2" x 36"

3M™ STRIPE OFF WHEEL

Used to remove vinyl decals, striping tapes, and double-sided foam attachment tapes. Will not scratch or damage acrylic enamel or urethane paint. Designed to be used with common 3/8" pneumatic and electric tools with a 500-4000 RPM speed range. Optimum performance achieved around 2000 +/- 200 RPM.

ORDER NO. 600-07498
Size: 4" x 5/8" Solid Wheel with Hardware

SAFETY REFLECTORS

HIGHLY REFLECTIVE STICK-ON REFLECTORS

Use SAE A and DOT approved reflex reflectors to reduce cost in your reflector application program. These reflectors are easy to install and save time with quick peel and stick application.
Our reflectors feature highly reflective prismatic lenses in a durable transparent resin. The backing is coated with an aggressive permanent, pressure sensitive adhesive with a clear poly easy remove liner.

ORDER NO. 263-07070
Mfr. No. RE7070
2" x 3-1/2" Rectangle
(Amber) 2/pk

ORDER NO. 263-07071
Mfr. No. RE7071
2" x 3-1/2" Rectangle
(Red) 2/pk

HIGHLY REFLECTIVE, HIGH VISIBILITY REFLECTIVE TAPE

Provides extra safety protection when towing your boat trailer on our busy highways. DOTC2 approved.

Features:
- Manufactured to a minimum 700 candlepower brightness, typically 1000 candlepower
- Long distance visibility allows motorist time to take corrective action much sooner
- Seven plus years durability
- Stays clean, withstands brushing, dirt, grime and high pressure steam sprayers
- Easy to apply. Rub firmly into place
- Apply only at temperatures above 10°C (50°F)
- Apply to surface free of any dust, dirt, grease or moisture
- Apply to clean, smooth surface, metal, plastic, fiberglass or wood
- 6/6 pattern, 6" silver/6" red

ORDER NO. 263-02125
Mfr. No. RE2125
2" X 25 ft Roll, Red/Silver

BOAT COVER & BIMINI REPAIR TAPE

Excellent resistance to tearing in any direction, very aggressive adhesive, works on damp covers.
Transparent color suitable for any cover.
Tape is light weight and flexible.

BIMINI BANDAGE REPAIR TAPE
3" x 15 ft
-1 roll/pack.

Mfr. No. RE3868
ORDER NO. 263-03868

BIMINI BANDAGE REPAIR TAPE
Shelf Talker
Inner Pack: 8 packs RE3868
Bimini Bandage Tape
Mfr. ST6036
ORDER NO.263-06036

INCOM MANUFACTURING GROUP®

LIFESAFE®

TRACTION TAPE STEP STRIPS

Provides traction for your feet when boarding your boat or stepping on your trailer.

ORDER NO. 263-03904
6" x 21" (Black) – RE3904BL
ORDER NO. 263-03905
6" x 21" (Grey) – RE3905GR
ORDER NO. 263-03906
6" x 21" (White) – RE3906WH

TRACTION TAPE ROLLS

Textured Vinyl Traction Tape may help reduce the risk of slips, trips and falls.

2" x 15 ft roll - (Black)
RE3953
ORDER NO. 263-03953
2" x 15 ft roll - (Grey)
RE3954
ORDER NO. 263-03954
2" x 15 ft roll - (White)
RE3955
ORDER NO. 263-03955

A.

B.

TRACTION TAPE ROLLS

A. 4" x 9" (2 Strips/pack)

RE3895BL	Black	**ORDER NO. 263-03895**
RE3896GR	Grey	**ORDER NO. 263-03896**
RE3897WH	White	**ORDER NO. 263-03897**

B. 2" x 12" (6 Strips/pack)

RE3922BL	Black	**ORDER NO. 263-03922**
RE3923GR	Grey	**ORDER NO. 263-03923**
RE3924WH	White	**ORDER NO. 263-03924**

BULK ROLLS (BLACK)

ORDER NO.	Mfr. No.	Description
263-01410	RE141	1" x 60 ft Roll/Black
263-01420	RE142	2" x 60 ft Roll/Black
263-01600	RE160	4" x 60 ft Roll/Black

INCOM® MANUFACTURING GROUP

For more information see:
www.incomdirect.com

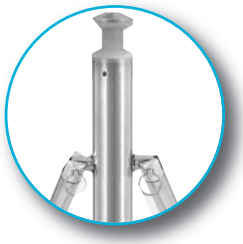
SKI PYLONS

FIXED AND ADJUSTABLE HEIGHT SKI PYLONS

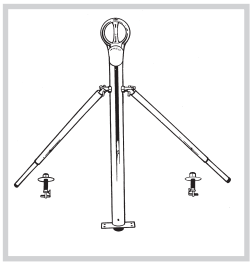
Hook up with Swivl-Eze
- Our heavy duty tow products will pull you anywhere you want to go
- We have the quality hardware for almost any recreational towing need
- We offer a wide range of configurations for swivel-heads, posts and bases

The Swivl-Eze Difference
- Our towing products offer advanced features for durability & quality performance
- The Pro-Swivl has a 360˚ rotational head with a nylon bushing for smooth slalom pulling

Do not use Ski Pylons to pull any recreational equipment that is tied to the tow rope such as water tubes, aquaplanes, wakeboards, etc.

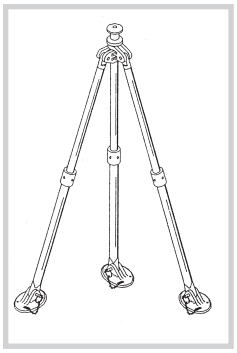


Pro-Swivel Head (Shown with through Bolt Clevis)



Model No. 922-ADJ-S

Model No. 923-009-ADJ



Model No. SP-96008

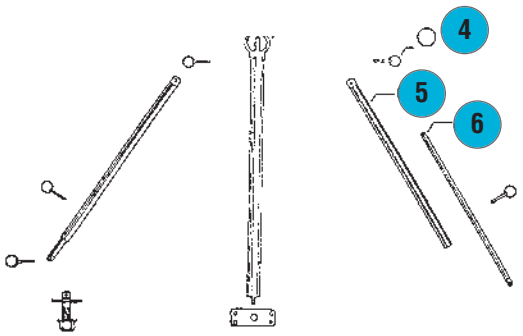
Model No. 9433S Post only

FIXED HEIGHT SKI PYLONS

ORDER NO.	Mfr. No.	Description	Post Height	Arm Base	Arm Length	Head Type
017-94330	9433-S	1-1/4" Dia. Solid Stainless Steel Post 2" x 4" Below Deck Base **Post only**	43"	Permanent Through Deck	33"-56"	Pro-Swivl
017-92200	922-ADJ-S	1-1/2" Dia. SS Fixed Height Post, 1" Dia. SS Arms, 2" x 4" Below Deck Threaded SS Mount Base	23"	Removable Deck Clevis Pin	33"-56"	Pro-Swivl
017-92309	923-009	2" Dia. SS Fixed Height Post, 1" Dia. SS Arms, 6" Dia. SS Mount Base	45"	Removable Deck Clevis Pin	33"-56"	Pro-Swivl

ADJUSTABLE HEIGHT SKI PYLONS

ORDER NO.	Mfr. No.	Description	Height	Arm Base	Arm Length	Head Type
017-92309-1	SP-923-009-ADJ	2" Dia. SS Adjustable Height Post, 1" Dia. SS Arms, 6" Dia. Threaded SS Flush Mount Base	34"-58"	Removable Deck Clevis Pin	33"-56"	Pro-Swivl
017-96008	SP-96008	1" Dia. SS Adjustable Height Post, 1" Dia. SS Arms, Glass Filled Nylon Flush Mount Base	28"-33"	Nylon Flush Mount	33"-56"	Pro-Swivl Aluminum
017-96009	SP-96009	1" Dia. SS Adjustable Height Post, 1" Dia. SS Arms, Glass Filled Nylon Flush Mount Base	35"-52"	Nylon Flush Mount	33"-56"	Pro-Swivl Aluminum



SKI PYLON REPLACEMENT PARTS

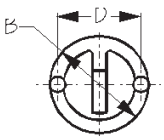
#	ORDER NO.	Description
# 4	017-92932*	1/4'' x 1'' Clevis Hitch Pin (SST)
# 5	017-92956*	Outer Brace
# 6	017-92954*	Inner Brace
	017-92910*	Deck Clevis Set
	017-92952**	6" Round Base

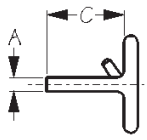
* Replacement Parts for Model No. 922-ADJ-S
** Replacement Parts for Model No. 923-009 & 923-009-ADJ

For more information see: www.attwoodmarine.com

TRANSOM MOUNT SKI TOW - STUD STYLE

Formed AISI 316 Stainless



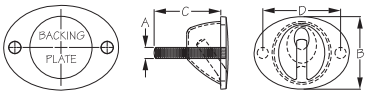


ORDER NO.	Mfr. No.	A	B	C	D
423-71633 / ea.	371633-1	3/8"	3"	2-1/4"	2-5/8"

FLUSH MOUNT SKI TOW

Investment Cast 316 Stainless

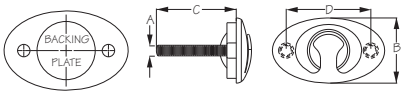
Redesigned flush mount ski tow to give your transom an updated look.



ORDER NO.	Mfr. No.	A	B	C	D
423-71833 / ea.	371833	3/8"	2-7/8"	2-1/4"	3-1/16"

FLUSH MOUNT SKI TOW

Investment Cast 316 Stainless



ORDER NO.	Mfr. No.	A	B	C	D
423-71840	371840	3/8"	2-3/16"	2-13/16"	3"

For more information see: www.sea-dog.com

attwood

FLUSH MOUNT SKI TOW

Solid Stainless Steel Casting

The stainless Ski Tow mounts flush to the transom and has no exposed fasteners.
The elliptical hook accepts up to 5/8" tow line and blends perfectly with the 2-1/2" circular body.
It rises only 1/2" outward so there's less chance of snagged lines or tangled gear.

- Casting and hook are certified #316-stainless steel alloy, polished to a mirror finish, then through acid and rinsing baths contaminants are removed and a hydrous oxide film is left to increase corrosion resistance.
- Easy mounting - simply use a 2-1/8" hole saw.
- Nylock nuts and aluminum backing plate are included.
- Lines slip in and stay put until lifted out.

Guaranteed for the life of the boat!

ORDER NO.	Mfr. No.	Description
106-66448	66448-7	Stainless Steel Ski Tow with 2-1/2" x 5" Backing Plate

attwood

WIDE VIEW SKI MIRROR

For installation on windshields 1/2" to 1" thick (or thinner with customer's own spacer).
Provides an extra-wide lens for safe visibility.
Molded plastic frame, polished convex lens and adjustable base that adjusts to any position up-and-down or side-to-side, then secures in desired location. Includes allen wrench.
Dimensions: 11-3/4" Wide x 4" High

ORDER NO. 101-13065
Mfr. No. 13065-4

SKI MIRROR

Shatterproof 180° convex lens eliminates blind spots.
Compact and lightweight.
Self-adjusting, ball-socket joint secures mirror in desired location.
Gleaming ZAMAK with Perma-Plate® chrome finish.
2-1/2" high x 7-5/16" long.
Universal mount allows installation on either dash or windshields up to 3/4" thick.
Adjusts to any position, any angle up or down or side to side.

ORDER NO. 109-90830
Mfr. No. 9083-7

For more information see: www.attwoodmarine.com

SUCTION CUP MIRROR

4" x 8" fully adjustable convex mirror. No holes to drill, no tools required, no scratching! Attaches to any clean, non-porous surface.
Dash, console or windshield mount.

ORDER NO.	Mfr. No.	Colour
982-11050	11050	Black

ECONOMY MARINE MIRROR

Measures 2-1/2" x 8" and has a convex mirror surface to provide a wide viewing angle. Universal quick mounting system gives mirror multiple mounting options. Fits windshield frames up to 7/8".

ORDER NO.	Mfr. No.	Colour
982-11119	11119	Black

EXTREME MARINE MIRROR

7" x 20" multi-lens mirror with one flat stationary and two adjustable convex lenses. Pivot cup-mount bracket provides 120˚ of easy adjustment. Ball & Socket tension adjustment knob to keep the mirror where you position it.Clam shell design fits most windshield trims and sizes. Black in colour. No drilling required for installation.

982-02022

982-02122

ORDER NO.	Mfr. No.	Description
982-02022	02022	Extreme Mirror, 3 Lens Quick mount w/ ball & socket tension adjustment knob
982-02122	02122	Mirror Head w/ knob only

BOATING SAFETY MIRROR

4-1/4" x 8" universal convex mirror mounts above or below windshield frame. Fits windshields up to 3/4" thick. Fully adjustable with anti scratch, quick mount bracket.

ORDER NO.	Mfr. No.	Colour
982-11140	11140	Black

ELLIPSE MARINE MIRROR WITH BRACKET

4" x 11" multi-lens mirror with one convex and two adjustable flat lenses for superior rearview vision versatility. Pivot clamp bracket provides full 120˚ of adjustment for easy foldable storage and no need to remove mirror. Durable light weight high strength composite construction fits most windshield trims and shapes.
Easy installation - No drilling required.

ORDER NO.	Mfr. No.	Colour
982-02003	02003	Black

CONCEPT II MARINE MIRROR WITH BRACKET

4" x 8" convex safety glass mirror provides superior rearview vision versatility. Pivot clamp bracket provides full 120˚ of adjustment for easy foldable storage and no need to remove mirror. Durable light weight high strength composite construction fits most windshield trims and shapes.
Easy installation - No drilling required.

ORDER NO.	Mfr. No.	Colour
982-11071	11071	White
982-11073	11073	Black

982-02000

982-02102

COMP UNIVERSAL MARINE MIRROR

7" x 14" convex mirror provides 98 sq. inches of superior rearview vision. Pivot cup-mount bracket provides 120˚ of easy adjustment. Clam shell design fits most windshield trims & sizes. Ball & Socket tension adjustment knob to keep the mirror where you position it. Black in colour.

ORDER NO.	Mfr. No.	Description
982-02000	02000	Universal Mirror w/ ball & socket tension adjustment knob
982-02102	02102	Mirror Head w/ knob only

COMP II MARINE MIRROR WITH BRACKET

4" x 11" convex safety glass mirror provides superior rearview vision versatility. Pivot clamp bracket provides full 120˚ of adjustment for easy foldable storage and no need to remove mirror. Durable light weight high strength composite construction fits most windshield trims and shapes.
Easy installation - No drilling required.

ORDER NO.	Mfr. No.	Colour
982-11081	11081	White
982-11083	11083	Black

982-01300

982-01874

COMP MARINE MIRROR

7" x 14" mirror offers approximately 98 sq. inches of rearview vision. Mirror has a convex safety glass, and is a tournament standard. Bracket can be mounted to dash or windshield. Fits windshield frames from 3/8" to 1".

ORDER NO.	Mfr. No.	Description
982-01874	01874	Comp Mirror w/ Round Bracket
982-01300	01300	Comp Mirror Head only

DELUXE VISION REARVIEW SKI MIRROR

- Large 18-5/8"H x 2-1/2W x 5-5/8"L
- Black convex mirror provides 180˚ range of port to starboard rearview vision
- Pivot cup-mount bracket provides 120˚ of easy adjustment
- Clam shell design fits most windshield trims & sizes
- No drilling required for installation

ORDER NO.	Mfr. No.	Description
982-01600	01600	Deluxe Ski Mirror Head only
982-01609	01609	Deluxe Ski Mirror w/ Cup-Mount Bracket

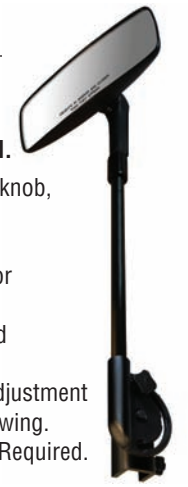
PWC SPORT II UNIVERSAL WING MIRROR

- Size: 3-1/2"H x 6.25W
- Fits most Personal Water Crafts
- Rugged and durable construction
- Features shatterproof safety glass and a convex lens that provides for a wider viewing angle
- Universal positioning fits left or right side of PWC
- Mirror will hold adjustment even in the biggest waves

ORDER NO.	Mfr. No.	Description
982-11160	11160	PWC Sport Mirror, Black
982-11161	11161	PWC Sport Mirror, White

PONTOON BOAT MIRROR BRACKET

Attaches directly to boat rail. No drilling required.



- Mirror has a 180 degree rotation with tightening knob, which provides secure, versatile positioning for optimal rearview vision
- Mirror Bracket is a fully adjustable mirror head for superior rearview visability
- Features out of the way storage and unobstructed canvas installation.
- Telescopic pole design which provides custom adjustment to a full 20" of extension height for maximum viewing.
- Bracket mounts directly to boat rail - No Drilling Required.

ORDER NO. 982-01877
Mfr. No. 01877

PWC SPORT UNIVERSAL WING MIRROR

- Size: 3-1/2"H x 5.375W x 8"L
- Offers wide rear view through sturdy convex safety glass for maximum PWC safety
- Non corrosive materials
- Salt spray tested
- Mount quickly and will tuck neatly beneath PWC covers
- Mirror will hold adjustment even in the biggest waves

ORDER NO.	Mfr. No.	Description
982-11120	11120	PWC Sport Mirror, Black
982-11121	11121	PWC Sport Mirror, White

DELUXE WINDSHIELD MIRROR BRACKET

Available in Cup-Mount and U-Clamp bracket styles for mounting flexibility. Pivot system provides full 120˚ of adjustment for easy foldable storage without the need to remove bracket. Cup mount with tightening knob is compatible with various CIPA mirrors.Clam shell design fits most windshield trims & sizes. No drilling required for easy installation. Black in colour.

982-02310

ORDER NO.	Mfr. No.	Description
982-02310	02310	Cup-Mount Bracket

For more information see:
www.cipausa.com

WATER SKIS

COMBO SKIS

Ski Construction: PU with steel rod reinforcement and UV lacquer top sheet
Binding Construction: Nylon with fiberglass baseplate with foam/PVC overlay

KID STAR 46"

- **Ski Height: 46"**
- Ski Weight: 13.25 lbs.
- Rider Weight: 80 lbs. or less

ORDER NO. 391-34402
Mfr. No. SG-SKI-KIDSTAR17

BIMINI KIDS 54.5"

- **Ski Height: 54.5"**
- Ski Weight: 15 lbs.
- Rider Weight: 120 lbs. or less

ORDER NO. 391-34365
Mfr. No. SG-SKI-BIMINI17

SUN FUN 62"

- **Ski Height: 62"**
- Ski Weight: 16.4 lbs.
- Rider Weight: 135 lbs. or less

ORDER NO. 391-34372
Mfr. No. SG-SKI-SUNFUN17

CAPRI COMBO SKIS 67"

- **Ski Height: 67"**
- Ski Weight: 18.4 lbs.
- Rider Weight: 200 lbs. or less

ORDER NO. 391-64751
Mfr. No. SG-15522

NEW DESIGN

For more information see: www.seagliderswaterskis.com.

AIRHEAD

NEW!

SPECTRUM - WAKESURF

Great for learning to wakesurf, and taking your riding to the next level!

- Compression molded fiberglass board with dual hook grooves
- Triple fin box option with 3 surf fins
- Diamond grooved EVA pads with kick-stop and arch bar
- 2 Adjustable foot straps for left and right foot forward riders
- Traction pads provide grip for secure footing and control of the board
- 63" x 20.5"

ORDER NO. 737-55814
Mfr. No. AHWS-F06

For more information see: www.airhead.com.

BATTLEBOARD

- Foam body board
- 60"L x 22"W x 3.25" thick
- 3 Wood stringers
- Single "fun" durable board
- Use on water behind a boat with a ski rope or use in the winter on the snow

ORDER NO. 391-35454
Mfr. No. WK-BBOARD17

THE TRIX KNEEBOARD

- Beginner to Intermediate level
- Contoured EVA pad
- Molded rails
- Superior tracking and control
- Velcro adjustable strap
- Easy connect
- Rope handle tow point for easy starts

ORDER NO. 391-63143
Mfr. No. WK-22086

NEW!

SKIMMER 70

- 70" dia. wedge raft style tube
- Cover: 840 D Nylon
- Bladder: 28 gauge PVC
- Handles: 6 padded with knuckle guards
- EVA pads
- Quick connect for easy rope connection

ORDER NO. 391-36406
Mfr. No. WK-19109
2 Rider

SKIMMER 80

- 80" dia. wedge raft style tube
- Cover: 840 D Nylon
- Bladder: 28 gauge PVC
- Handles: 6 padded with knuckle guards
- EVA pads
- Quick connect for easy rope connection

ORDER NO. 391-36413
Mfr. No. WK-19110
3 Rider

CRASH PACK

Watersports Version of Bumper Cars!
SET of 54" Tubes & (2) 50' Tube Ropes!!

NEW!

- Cover: 420 D Nylon
- Bladder: 24 gauge PVC
- Handles: 4 padded with knuckle guards
- Quick connect for easy rope connection

Two 50' Tube Ropes Included

ORDER NO. 391-64294
Mfr. No. WK-22122
1 Rider

REACTION PACK

Deck Tube Package!!
SET of 60" Tubes & (2) 50' Tube Ropes!!

NEW!

- Cover: 420 D Nylon
- Bladder: 24 gauge PVC
- Handles: 4 padded with knuckle guards
- Quick connect for easy rope connection

Two 50' Tube Ropes Included

ORDER NO. 391-64331
Mfr. No. WK-22422
1 Rider

NEW!

SPEEDY
54" Tube (Single Cockpit)
- Cover: 420 D Nylon
- Bladder: 24 gauge PVC
- Handles: 4 padded with knuckle guards
- Quick connect for easy rope connection

ORDER NO. 391-64287
Mfr. No. WK-22022
1 Rider

THE SWERVE 2
NEW!
- Chariot style tube with 2 tow points
- Quick connect for easy ski rope connection
- Cover: 840 D Nylon
- Bladder: 28 gauge PVC
- Handles: 8 padded with knuckle guards
- EVA Seat pads
- Dimensions: 64" x 59" (inflated)

ORDER NO. 391-64300 Mfr. No. WK-22222
1 to 2 Rider

THE SWERVE 3
NEW!
- Chariot style tube with 2 tow points
- Quick connect for easy ski rope connection
- Cover: 840 D Nylon
- Bladder: 28 gauge PVC
- Handles: 10 padded with knuckle guards
- EVA Seat pads
- Dimensions: 75" x 71" (inflated)

ORDER NO. 391-64317 Mfr. No. WK-22322
2 to 3 Rider

TWIN
Multi-Rider/Cockpit
- Cover: 840 D Nylon
- Bladder: Heavy-duty 28 Gauge PVC
- Handles: 4 Padded
- Knuckle Guard
- Easy connect
- Dimensions: 64" x 62"

NEW!

ORDER NO. 391-59658 Mfr. No. WK-19081
2 Rider

TRIPLET
Multi-Rider/Cockpit
- Cover: 840 D Nylon
- Bladder: Heavy-duty 28 Gauge PVC
- Handles: 6 Padded
- Knuckle Guard
- Easy connect
- Dimensions: 81" x 80"

NEW!

ORDER NO. 391-59665 Mfr. No. WK-19082
3 Rider

THE BENDER GREEN
- Cover: 840 D Nylon
- Bladder: Heavy-duty 28 Gauge PVC
- Handles: 8 Padded
- Knuckle Guards
- EVA Pads
- Easy connect
- Camera mount
- Dimensions: 58" x 65"

NEW!

ORDER NO. 391-59191 Mfr. No. WK-22220
2 to 3 Rider

HIGH PRESSURE PUMP

3 psi Electric Air Pump

- Double action (Inflates & Deflates)
- Hi-volume air flow
- Quick locking system
- Handheld and portable

ORDER NO. 391-31906
Mfr. No. WK-00009

NEW!

HIGH PRESSURE PUMP

1 psi Electric Air Pump

- 3 Universal adapter nozzels
- Hi-volume air flow
- Power Supply: DC 12V
- Quick locking system
- Handheld and portable

ORDER NO. 391-31913
Mfr. No. WK-00010

NEW!

HIGH PRESSURE PUMP

1 psi Electric Air Pump

- 3 Universal adapter nozzels
- Hi-volume air flow
- Power Supply: AC 120V 60Hz
- Quick locking system
- Handheld and portable

ORDER NO. 391-31920
Mfr. No. WK-00011

MULTI RIDER TUBE ROPE - FLOATS

- Width: 5/8"
- Length: 60'
- Strands: 16
- Material: Polyethylene
- Complete with velcro hanger
- Breaking Capacity: 4,100 lbs.
- 2 + Riders

ORDER NO. 391-31845 Mfr. No. WK-00003

WATERSKI ROPE - 8 SECTION

- Length: 70'
- 8 Section, 20' Main
- Strands: 16
- Material: Polyethylene
- Complete with velcro hanger
- Handle: 13" Rubber
- Breaking Capacity: 1,700 lbs.

ORDER NO. 391-31852 Mfr. No. WK-00004

WAKEBOARD ROPE
3 - 5 SECTION

- Length: 75'
- 15" EVA Handle
- Material: Polyethylene
- Complete with velcro hanger

ORDER NO. 391-36154 Mfr. No. WK-00014

For more information see:
www.whiteknucklesports.com

TRANSOM TOW HARNESS
HEAVY DUTY

- Length: 8'
- Strands: 16
- Material: Polyethylene
- Complete with velcro hanger
- Floats: No
- Breaking Capacity: 4,100 lbs.

NEW!

ORDER NO. 391-31890 Mfr. No. WK-00008

KAYAK CAR CARRIER KIT

Includes (2) Blocks, (2) Straps & (1) Storage Bag

- Block Dimensions: 4"Thick x 4"Width x 15.875"Length
- Strap Dimensions: 1" x 12' Lashing Strap
- Weight Capacity: 200 lbs.
- Cam buckle
- Rubber pad

NEW!

ORDER NO. 391-63051
Mfr. No. DS-00087K

CANOE CAR CARRIER KIT

Includes (4) Blocks, (2) Straps & (1) Storage Bag

- Block Dimensions: 4"Thick x 3.75"Width x 6.5"Length
- Strap Dimensions: 1" x 12' Lashing Strap
- Weight Capacity: 200 lbs.
- Cam buckle
- Rubber pad

NEW!

ORDER NO. 391-63068
Mfr. No. DS-00085K

KAYAK CAR CARRIER KIT

Includes (2) Blocks, (2) Straps & (1) Storage Bag

- Block Dimensions: 4"Thick x 4"Width x 31"Length
- Strap Dimensions: 1" x 12' Lashing Strap
- Weight Capacity: 200 lbs.
- Cam buckle
- Rubber pad

NEW!

ORDER NO. 391-64614
Mfr. No. DS-00088K

EMERGENCY TELESCOPIC PADDLE W/T-HOOK

ORDER NO. 391-59450
Mfr. No. WK-81120

GOODTIMER KAYAK PADDLE

- Length: 90.5"
- Aluminum shaft & polyethylene blade
- 3 feather positions
- Breaks down into 2 pieces

ORDER NO. 391-64546
Mfr. No. AK-81122

THE CAMPER CANOE PADDLE

- Length: 59"
- Aluminum shaft & polycarbonate blade
- Use also as small kids SUP Paddle

ORDER NO. 391-34631 Mfr. No. WK-00012

WATER TOWABLES

AIRHEAD

JUMBO DOG™& DOUBLE DOG™

- Classic hot-dog style towable
- Neoprene seat pads for comfort
- Heavy-gauge PVC bladder with RF welded seams
- Double-stitched, 840-denier full nylon cover
- Deluxe nylon handles with neoprene knuckle guards
- Boston valve for convenient inflating & deflating
- Three-30-gauge vinyl air chambers on HD-2, HD-5 & HD-3
- Five-30-gauge vinyl air chambers HD-4

HD-2

HD-5

ORDER NO.	Model	Mfr. No.	No. of Riders	Deflated Size
737-18307	Jumbo Dog	HD-5	5	150" x 44"
737-18895	Double Dog	HD-2	2	76" x 44"

SPACE SHUTTLE

- Includes bolster fin to keep on the ride
- Heavy-duty double-stitched, full nylon cover
- Heavy-gauge PVC bladder with RF welded seams
- 6 Comfortable foam filled nylon wrapped handles with knuckle guards
- Speed safety valve for fast inflating & deflating
- Self-draining floor vents
- 1 to 3 Rider Capacity
- 78" X 70"(deflated size)

ORDER NO. 737-55750
Mfr. No. AHSS-T3

NEW!

Tapered gusset provides better towing characteristics, a more comfortable riding position and easy mounting from the water!

- Thick front and thinner back prevents "submarining"
- Connect to an AIRHEAD Tube Anchor and you have an instant swim platform
- Neoprene topside panel
- Cool CAMO graphics
- 30 Gauge virgin PVC bladder is fully encased
- 840 Denier double-stitched full nylon cover with reinforced internal tow harness
- Kwik-Connect or easy hook-ups
- Speed safety valve for convenient inflating and deflating
- 1 to 4 rider capacity
- 100" diameter (deflated size)

ALL SLICE TUBES ARE TAPERED FOR EASY BOARDING & COMFORT

SUPER SLICE™

- 6 Nylon-wrapped handles with neoprene knuckle guards
- 1 to 3 Rider Capacity
- 70" (deflated size)

ORDER NO. 737-43699
Mfr. No. AHSSL-32

SLICE™

- 4 Nylon-wrapped handles with neoprene knuckle guards
- 1 to 2 Rider Capacity
- 58" (deflated size)

ORDER NO. 737-43682
Mfr. No. AHSSL-22

For more information see: www.airhead.com

AIRHEAD

SHIELD - TOWABLE

NEW!

- Includes bolster fin to keep on the ride
- Heavy-duty double-stitched full nylon cover
- Heavy-gauge PVC bladder with RF welded seams
- 4 Comfortable foam filled nylon wrapped handles with knuckle guards
- Boarding handle
- Kwik-Connect tow point for fast hook-ups
- Speed safety valve for fast inflating & deflating
- Self-draining floor vents
- 1 Adult or 2 Children Rider Capacity
- 56" X 48"(deflated size)

ORDER NO. 737-55736 Mfr. No. AHSH-T1

HOT SHOT™2

- Round thin profile deck tube
- Heavy-gauge PVC Bladder with RF welded seams
- Double-stitched full nylon cover
- 4 Deluxe nylon handles with neoprene knuckle guards
- Speed Safety valve for convenient inflating & deflating
- Reinforced internal tow harness
- 1 Rider capacity (1 adult or 2 small children)
- 57" diameter (deflated)

ORDER NO. 737-37209 Mfr. No. AHHS-12

REBEL™ TUBE KIT

- Tube, rope, and pump all in one box.
- 1 rider, 16 strand tow-rope
- 12-volt pump to inflate REBEL quickly and effectively
- Heavy-gauge PVC bladder with RF welded seams
- Double-stitched full nylon cover
- 4 Deluxe nylon handles with neoprene knuckle guards
- Boston valve for convenient inflating and deflating
- 1 rider capacity
- 54" diameter (deflated)

ORDER NO. 737-32242 Mfr. No. AHRE-12

BLAST®

- Double-stitched partial nylon cover
- Heavy-duty virgin pvc bladder-
- 4 Deluxe nylon covered handles with neoprene knuckle guards
- Kwik-Connect tow point for fast hook-ups
- Boston valve for convenient inflating and deflating
- Self-draining floor vent
- Eye catching graphics
- 1 rider capacity
- 54" (deflated)

NEW DESIGN

ORDER NO. 737-37186 Mfr. No. AHBL-12

BIG SHOT®

- Open top tube
- Heavy-gauge PVC bladder with RF welded seams
- Double-stitched partial nylon cover
- 8 Deluxe nylon handles with neoprene knuckle guards
- Kwik-Connect tow point for fast hook-ups
- Boston valve for convenient inflating and deflating
- 4 rider capacity
- 76" diameter (deflated)

ORDER NO. 737-17362 Mfr. No. BS-1

For more information see: www.airhead.com

AIRHEAD®

SLASH II®

- Fin action steering – great for carving turns
- Plastic fins sewn onto the sides of the cover
- Open back design makes it easy to re-board
- Heavy-gauge PVC bladder with RF welded seams
- Double-stitched 840-denier full nylon cover
- 4 Deluxe nylon handles with neoprene knuckle guards
- Boston valve for convenient inflating and deflating
- Pivot action tow point with Kwik-Connect for fast hook-ups
- 2 rider capacity
- 58" x 48" (deflated)

ORDER NO. 737-32235 Mfr. No. AHSL-32

NEW DESIGN

MACH 2™ & MACH 3™

- Cock-pit towable
- Heavy-gauge PVC bladder with RF welded seams
- Double-stitched partial nylon cover
- Deluxe nylon handles with neoprene knuckle guards
- Inflated floor
- Boston valve for convenient inflating & deflating (MACH 1™)
- Speed safety valves for fast inflating and deflating (MACH 2™)
- Kwik-Connect tow point for fast hook-ups

MACH 2™

ORDER NO. 737-34789

Mfr. No. AHM2-2

- 2 rider capacity
- 69" x 69" (deflated size)

MACH 3™

ORDER NO. 737-47666

Mfr. No. AHM3-1

- 1-3 rider capacity
- 107" x 75" (deflated size)

737-45150

737-45167

AIRHEAD® GRIFFIN™ II & III

Aerodynamic Winged Tube!
Swing & Swoop on the waters with Agility and Speed!
Riders will Roll up on the Edges through Turns and with Shifts in Weight!

- Wings also make them a joy to tow, as they slide effortlessly across wakes
- Boarding straps in the back to make it easy to climb on board from the water
- Deluxe double-webbing handles have EVA knuckle guards for extra comfort
- Oversized EVA pads are strategically located to protect rider's knees
- Durable 30 gauge RF welded PVC bladder is completely wrapped in double-stitched 840-denier nylon
- Heavy-duty Kwik-Connect provides easy hook-ups
- Boston valve makes it easy and fast to deflate and inflate

ORDER NO.	Mfr. No.	No. of Riders	Deflated Size
737-45150	AHGR-02	2	70" x 69"
737-45167	AHGR-03	3	70" x 90"

For more information see: www.airhead.com

VIPER™ 2 & 3

- Cockpit towable with inflatable backrests
- Boat hull shaped bottom provides a lively and stable ride
- Heavy-gauge PVC bladder with RF welded seams
- Double-stitched full nylon cover
- Deluxe nylon handles with neoprene knuckle guards
- Boston valve for convenient inflating and deflating
- EVA "Indy Cap" valve cover
- Stunning NASCAR-inspired graphics

ORDER NO.	Model	Mfr. No.	No. of Riders	Deflated Size
737-17706	Viper 2	AHVI-F2	2	74" x 73"
737-19892	Viper 3	AHVI-F3	3	98" x 74"

RIPTIDE 2 & 3™

- Feature a wrap-around backrest for that “couch-like” ride
- These tubes are incredibly lively side to side, requiring very little effort from gthe boat driver to get them to cross the wake
- Kwik-Connectfor easy rope attachments and disconnects
- Heavy-gauge PVC with RF welded seams
- Double-stitched full nylon cover
- Comfortable seat pads and foam-filled tubular webbing handles with neoprene knuckle guards for firm & comfortable hand holds
- 2 Patented speed safety valves provide the ultimate in inflation & deflation convenience

AHRT-12

AHRT-13

ORDER NO.	Model	Mfr. No.	No. of Riders	Deflated Size
737-41329	RipTide 2	AHRT-12	2	65" x 65"
737-41336	RipTide 3	AHRT-13	1 - 3	85" x 70"

G-FORCE® TOWABLES

- D-shape deck tube
- 2 inflatable stabilizer fins keep riders on board
- Double-stitched 840-denier full nylon cover
- 30-gauge virgin PVC bladder
- Deluxe nylon handles with neoprene knuckle guards
- Kwik-Connect tow point for fast hook-ups
- Speed Safety Valve for convenient inflating & deflating

G-FORCE®-2

- 4 Deluxe nylon handles with neoprene knuckle guards
- 2 rider capacity
- 64" x 60" (deflated)

ORDER NO. 737-37131
Mfr. No. AHGF-2

G-FORCE®-3

- 6 Deluxe nylon-wrapped handles with neoprene knuckle guards
- 1-3 Riders
- 78" x 75" (deflated)

ORDER NO. 737-17179
Mfr. No. AHGF-3

G-FORCE®-4

- 8 Deluxe nylon wrapped handles with neoprene knuckle guards
- 1-4 Riders,
- 75" x 93" (deflated)

ORDER NO. 737-47604
Mfr. No. AHGF-4

For more information see: www.airhead.com

AIRHEAD

NEW DESIGN

BIG MABLE DECK TUBE OR CHARIOT STYLE

- Heavy-duty full nylon cover with zipper
- Heavy-gauge PVC bladder with RF welded seams
- Dual tow points: Front & Back
- Air cushioned stabilizer walls
- EVA foam pads for maximum comfort
- 10 comfortable foam filled handles with knuckle guards
- 2 padded boarding handles
- Kwik-connect tow point for fast hook-ups
- Speed safety valve for quick inflating and deflating
- Self draining floor vents
- Multiple riding positions
- 1-2 Rider
- 69" x 66" (deflated)

ORDER NO. 736-07240 Mfr. No. 53-2213

NEW DESIGN

SUPER MABLE DECK TUBE OR CHARIOT STYLE

- Heavy-duty full nylon cover with zipper
- Heavy-gauge PVC bladder with RF welded seams
- Dual tow points: Front & Back
- Air cushioned stabilizer walls
- EVA foam pads for maximum comfort
- 16 comfortable foam filled handles with knuckle guards
- 2 padded boarding handles
- Kwik-connect tow point for fast hook-ups
- Speed safety valve for quick inflating and deflating
- Self draining floor vents
- Multiple riding positions
- 1-3 Rider
- 79" x 78" (deflated)

ORDER NO. 736-07264 Mfr. No. 53-2223

NEW DESIGN

GREAT BIG MABLE DECK TUBE OR CHARIOT STYLE

Sit, stand, lay, kneel or even lounge

- Heavy-duty full nylon cover with zipper
- Heavy-gauge PVC bladder with RF welded seams
- Dual tow points: Front & Back
- Air cushioned stabilizer walls
- EVA foam pads for maximum comfort
- 22 comfortable foam filled handles with knuckle guards
- 2 padded boarding handles
- Kwik-connect tow point for fast hook-ups
- Speed safety valve for quick inflating and deflating
- Self draining floor vents
- Speed safety valve for quick inflating and deflating
- Multiple riding positions
- 1-4 Rider
- 93" x 85" (deflated)

ORDER NO. 736-07257 Mfr. No. 53-2218

BIG ORANGE CONE

Stand-on Towable

- Heavy-duty double-stitched full nylon cover
- Heavy-gauge PVC bladder with RF welded seams
- 8 Comfortable foam filled nylon wrapped handles with knuckle guards
- 4 Boarding straps
- Kwik-Connect tow point for fast hook-ups
- Speed safety valve for fast inflating & deflating
- Self draining floor vents
- 1 to 4 Rider Capacity
- 85" x 85" x 65" (Inflated size)

ORDER NO. 737-55746 Mfr. No. AHBO-C2

For more information see: www.airhead.com

AIRHEAD

TOW HARNESS

- For boats not equipped with pylon or ski eye
- Creates a tow attachment point at centre of your boat
- 1,500 pound tensile strength
- Perfect for pulling a skier, wake boarder, knee boarder or 1-rider tubes
- 12 foot long to fit larger boats and pontoons
- 6" float keeps rope away from propeller
- Yellow/Red

ORDER NO. 737-18253
Mfr. No. AHTH-1

HEAVY DUTY TOW HARNESS

- Equipped with oversized extra heavy duty hooks with new loop extensions to thread through any size pontoon boat eyelets
- Perfect for hooking up to troublesome pontoon tow points
- Engineered to tow skiers, wake boarders and up to 4-rider towables
- Clips onto stern eyes and attach ski or tube rope to the heavy duty Kwik-Connect
- Extra long 16 foot long to stretch across wide beams
- 6" float keeps rope floating away from propeller
- Yellow/Black

ORDER NO. 737-24544 Mfr. No. AHTH-8HD

KWIK-CONNECT™

- Designed to conveniently attach and detach tube tow ropes to towables
- High-impact plastic
- Has a 1" diameter hole to accept up to 6,000 lb break strength tube ropes
- For 1 to 4 rider towables that are not equipped with Kwik-Connects

ORDER NO. 737-20713 Mfr. No. AHKC-1

WAKEBOARD ROPE with PHAT GRIP™

Provides Professional Grade quality at half the price

- Low stretch, 16 strand 30-filament rope floats and has a 5 ft. bridle, and three 10 ft. take-offs (5, 35, 10, 10, 10)
- 15" double-density EVA PHAT GRIP handle is machined to provide a superior grip for optimum performance
- High strength aluminum core, 4" finger protectors and foam floats
- 6" TPR covered aluminum handle provides extra leverage and pull for spins and inverted tricks
- Bridle is fully encased in flexible vinyl protection
- Rope keeper is included for tangle-free storage

ORDER NO. 737-19106	Mfr. No. AHWR-1	Yellow
ORDER NO. 737-19830	Mfr. No. AHWR-2	Red

For more information see: www.airhead.com

HEAVY DUTY TOW HARNESS

- Perfect for pulling skiers, wake boarders and the big 4-rider towables
- Clips onto boat with the 5,000 pound tensile strength hooks and attach ski or tube rope to the heavy duty Kwik-Connect
- 12 foot long to fit larger boats and pontoons
- 6" float keeps rope away from propeller
- Yellow/Red

ORDER NO. 737-18260
Mfr. No. AHTH-2

SELF-CENTERING TOW HARNESS

- 3,000 pound tensile strength • Perfect for pulling skiers, wake boarders and 1 or 2-rider towables
- Stainless steel pulley glides along the length of rope to provide optimum pull
- Clips onto boat with 5,000 tensile strength hooks and attach ski or tube rope to the heavy duty Kwik-Connect
- 12 foot long to fit larger boats and pontoons
- 6" float keeps rope away from propeller
- Yellow/Black

ORDER NO. 737-19045 Mfr. No. AHTH-3

TOW DEMON™

New higher strength version of classic & very popular tow harness.

- High-impact molded plastic float/pulley system
- Floating rope
- Easy attachment of ski ropes, wakeboard ropes and tube ropes
- Connects quickly with 2 large corrosion-resistant snap hooks
- Recommended for recreational water skiing, wakeboarding, kneeboarding and towing 1-rider tubes

ORDER NO.	Mfr. No.	Length
737-20829	Mfr. No. AHTH-4	8' Rope

SPECTRA THERMAL WAKEBOARD ROPE

Professional Grade 4 - Section

- 70 ft., 3 take-offs in the mainline, 5 ft. handle bridle (5, 50, 5, 5, 5)
- 15" wide EVA gripis equipped with 2 foam floats and full length PVC tubing for added durability
- Line is stiff and rigid, resists kinking and twisting, floats
- 2,000 lb. break strength
- Provides zero stretch for the crisp instantaneous response that experts demand
- Rope keeper is included for tangle-free storage

ORDER NO. 737-22144 Mfr. No. AHWR-4

TUBE TOW LINES

AIRHEAD

DELUXE - 2-RIDER TUBE TOW ROPE

- 3/8" 16 strand braided tow rope
- Rated at 2,375 pounds tensile strength
- 6" loop spliced at each end
- Rope keeper included for tangle-free storage
- Designed for 1 and 2 rider tubes

ORDER NO. 737-16730
Mfr. No. AHTR-60

2-RIDER - 2 SECTION TUBE ROPE

- 2 sections giving you option to be 50 or 60 feet behind boat
- Pre-stretched UV-resistant 7/16" diameter, 16 strand rope
- Exceeds 2,375 pound break strength required by WSIA for 2- rider tubes
- Rope keeper included for convenient storage

ORDER NO. 737-20867
Mfr. No. AHTR-22

4-RIDER - 2 SECTION TUBE ROPE

- 2 sections giving you option to be 50 or 60 feet behind boat
- Pre-stretched UV-resistant 5/8" diameter, 16 strand rope
- Exceeds 4,150 pound break strength required by WSIA for 4-rider tubes
- Rope keeper included for convenient storage

ORDER NO. 737-20881
Mfr. No. AHTR-42

SAFETY REFLECTIVE ROPES

- 60 ft in length with a loop at each end
- 16 strand braided rope
- A reflective material strand runs the full length of the rope to increase visibility in low light conditions
- Great for those dawn and dusk low light watersports excursions
- Vibrant bright colour scheme enhances their visibility
- EVA foam core is installed inside for enhanced floatation, which will help keeping rope away from your prop
- UV resistant and allow minimal stretch
- Meet or exceedall WSIA standards

ORDER NO.	Mfr. No.	Up to # Riders	Tensile Strength
737-45235	AHTR-02S	2	2,375
737-45242	AHTR-04S	4	4,100
737-45259	AHTR-06S	6	6,000

3-RIDER TUBE ROPE

- Heavy-duty 1/2" x 60 ft., 16 strand polypropylene floating rope
- 3,350 pounds tensile strength
- Engineered to pull 1 to 3 riders
- 6" loop spliced at each end
- Rope keeper included for convenient storage
- Bright blue & black

ORDER NO. 737-39982 Mfr. No. AHTR-30

DELUXE 4,150 LB. 4-RIDER TUBE TOW ROPE

- Heavy duty 16 strand, 9/16" x 60 ft.
- Rated at 4,150 pounds tensile strength
- Engineered to pull the big 3 and 4-rider tubes
- Unique reggae colour scheme with 6" loop spliced at each end
- Rope keeper included for tangle-free storage

ORDER NO. 737-17263 Mfr. No. AHTR-4000

BLING TUBE ROPES

BLING

Reflective Tow Lines That Illuminate In High & Low Light Conditions

They Sparkle in the Sun & Glow in Twilight!

- Shiny & reflective braidedtop quality polypropylene
- These tube ropes are 60ft. long with a loop at each end.
- Totally 'blinged-out' rope keeper is included

ORDER NO.	Mfr. No.	Up to # Riders	Tensile Strength	Colour
737-34512	AHTR-12BL	2	2,375	Green
737-34529	AHTR-14BL	4	4,100	Red
737-34536	AHTR-16BL	6	6,000	Blue

BUNGEE TUBE TOW ROPE

Add a little zing and excitement to your tubing!

- 9/16" x 50ft. tube rope has 3/8" diameter bungee cord spliced inside
- Rated at 4,150 pounds tensile strength conforms to WSIA recommendations for 1 - 4 rider tubes
- As bungee stretches and contracts enjoy brief surges of speed
- Absorbs sudden jerks from slack reducing wear and tear on tubes and riders
- Rope keeper included for convenient storage

ORDER NO. 737-18451 Mfr. No. AHTRB-50

For more information see: www.airhead.com

AIRHEAD

PROMOTIONAL WATER SKI ROPE

- 1 section ski rope
- 16 strand, 75 feet long rope
- Aluminum handle with molded end caps for safety and comfort
- UV-treated and pre-stretched
- Rope keeper included

ORDER NO. 737-19076
Mfr. No. AHSR-1

1-SECTION WATER SKI ROPE

- High quality 1 section, 16 strand, 75 feet ski rope
- 12" aluminum core handle has a performance "Tractor" grip and molded finger protectors
- UV-treated
- Rope keeper included for tangle-free storage

ORDER NO. 737-19878
Mfr. No. AHSR-75

4-SECTION WATER SKI ROPE

- 75 feet long rope has 4 sections (75', 60', 50', 40') to meet the needs of skiers and riders of all skill levels
- 16 strand, UV treated, 1,600 lb. tensile strength
- 12" aluminum core handle has a performance "Tractor" grip and full-length molded finger protectors
- Rope keeper included for tangle-free storage

ORDER NO. 737-19083
Mfr. No. AHSR-4

PERFORMANCE 8-SECTION RADIUS HANDLE SKI ROPE

Ski longer, harder and stronger with less muscle fatique

- 3/8, 16 strand, UV treated, 1,600 lb. tensile strength
- 8 colour coded sections and take-up loops
- 17°, 13" radius aluminum core handle with TPR Diamond Grip is the ultimate in quality
- Full length finger guards create a comfortable split finger grip
- Rope keeper included for tangle-free storage

ORDER NO. 737-19090 Mfr. No. AHSR-8

EZ UP SLALOM TRAINING ROPE

The perfect rope for learning deep water ski starts

- 16 strand, 75 feet long rope
- 1,500 lb. tensile strength
- Deep V- EZ Up bridle
- 12" floating handle has a TPR grip, aluminum core, 0& molded end caps & finger guards
- UV-treated and is completely covered with flexible vinyl
- Rope keeper included

ORDER NO. 737-19113
Mfr. No. AHSR-2

WAKESURF ROPE - 25 FOOT

- 25 ft. PolyE 5 piece sectional
- 12 " Mainline with 4 grasp knots
- 10" EVA handle
- Removable sections: (3 ft., 3 ft., 3 ft., 4 ft.)
- Break Strength: 1200 lbs.

ORDER NO.	Mfr. No.	Colour
737-48434	AHWS-R02	Electric Red
737-48441	AHWS-R03	Electric Green

For more information see: www.airhead.com

AIRHEAD

HI-PRESSURE AIR PUMP

- 120 Volt
- For towables, boats, rafts, trampolines & other large inflatables
- Quickly inflates or deflates
- 4 valve adapters and pressure release valve
- Accordion style hose and 10 ft. power cord

ORDER NO. 737-19809
Mfr. No. AHP-120HP

Pressure Release Valve Included!

12 VOLT HI-PRESSURE AIR PUMP

- Produces 3 times the pressure of other 12 volt air pumps
- 5 universal valve fittings fit all popular valves and lock onto the hose
- 4 valve adapters and pressure release valve
- A removable pressure release valve limits the output to 1.4 psi, the perfect inflation pressure for towables
- Provided alligator clips connected to a 10 ft. power cord for hooking up to a car, truck or boat battery
- Volume is 410 liters/min
- Maximum pressure is 2.5 psi.
- Draws 28 amps/340 watts

ORDER NO. 737-21789
Mfr. No. AHP-12HP

Pressure Release Valve Included!

AIR PIG PUMPS

- High volume, high pressure capabilities
- Quiet motor
- Includes 10 ft. power cord, 24" reinforced hose, 4 adapters

ORDER NO.	Mfr. No.	Volts	psi	Amp Draw / Watts
737-38305	AHP-12AP	12v	1.0	22amps / 260W

10 ft. power cord with alligator clips

HIGH OUTPUT 120V AIR PUMP

- For towables, pool toys, lounges, airbeds and other inflatables
- Accordion style hose locks onto the pump and valve fittings
- 4 universal valve fittings
- 10 ft. power cord
- 0.92 psi maximum
- Draws 1.6 amps

ORDER NO. 737-18222
Mfr. No. AHP-120

HI-VOLUME BELLOWS AIR PUMP

- For towables, boats, rafts and other large inflatables
- Quickly inflates or deflates
- Extra-long 54” hose
- Collapses for EZ storage
- Hi volume air displacement – 0.5 litres per stroke
- Peak air pressure: 2.9 psi
- Adapters fit most valves

ORDER NO. 737-20737
Mfr. No. AHP-F1

DOUBLE ACTION PUMP

For airbeds, boats, towables and other inflatables

- Double volume/double action
- Pumps on up and down strokes
- 4 universal valve fittings are included to fit Boston valves and stem valves
- 5 ft. accordian style hose
- Ergonomic handle and foot plate
- Volume is 2 Liters/Stroke
- Durable, lightweight plastic construction

ORDER NO. 737-17720
Mfr. No. AHP-1

Inflate & Deflate

HIGH OUTPUT/OPTIMAL PRESSURE 12V AIR PUMP

- For towables, airbeds, boats, balls and other large inflatables
- Quickly inflates or deflates
- Fits all popular valves
- 10 ft. power cord
- 12 volt plug

ORDER NO. 737-18239
Mfr. No. AHP-12H

For more information see: www.airhead.com

AIRHEAD

AIRHEAD® TEAR-AID™ VINYL REPAIR SEE-THRU PATCH KIT

Repair holes & tears instantly

- Airtight, watertight and elastic composition stretches and springs back to keep the patch in place for a very long time
- Repair towables, ,fishing waders, bicycle tubes, towable tubes, pool liners, rafts, pool floats, air mattresses & more
- UV-resistant
- See-thru patch makes it suitable for vinyl of any colour

ORDER NO.	Mfr. No.	Description
737-19670	AHTR-1B	Tear-Aid™ Vinyl Repair

VINYL REPAIR KIT

Keep a repair kit handy!

Kit includes:

- 1 oz tube of commercial grade vinyl cement
- 4 – 2" round vinyl patches

ORDER NO. 737-18246
Mfr. No. AHRK-1

AIR DADDY™

Versatile Inflator/Blow Gun

- Fits all popular valves (Boston, stem & needle)
- Inflate towables, pool toys, sport balls (needle valve included) and airbeds
- Works with compressors, gas station air and bike pumps
- Screw-on blow gun tip for autos and workshops

ORDER NO. 737-19816
Mfr. No. AHAD-1

MULTI-VALVE™

Inflate with Speed & Flexibility

- Consists of 2 Boston valves and a Shrader valve
- For all Boston valve equipped inflatables
- Use Shrader valve to inflate quickly at gas station or marina
- Use Boston valve with low pressure/high volume pump

ORDER NO. 737-16624
Mfr. No. AHMV-1

BOSTON VALVES

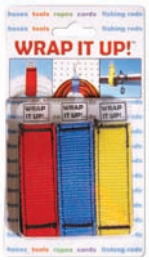
Always carry a spare!

- 2 Boston valves with different thread pattern
- Square bases – easier to turn
- Bright red – easier to find

ORDER NO. 737-26791
Mfr. No. AHBV-2

WRAP IT UP!

100's of uses to aid in organizing



- 12" long hook and loop wraps
- Hook and loop fasteners are sewn to a durable 12" x 1" webbing and reinforced with a bar tack at each end
- Cord is attached for hanging items

ORDER NO.	Mfr. No.	Description
737-19793	WR-123	3 per/Blister Pack, Assorted colours
737-19700	WR-12100	100 per/Counter-Top, Assorted Colours

AIRHEAD

For more information see:
www.airhead.com

AIRHEAD

AIRHEAD ORB TUBE TOW ROPE

NEW!

IMPROVED

- Booster ball with custom 60 ft. tow rope
- Towable enhancer
- 4,100 lb. tensile strength rope
- Speed safety valve
- Durable 30 gauge PVC (no nylon cover)
- Boosts towable performance
- Reduces drag and submarining
- Prevents rope spray
- Acts as barrier to snap backs
- Absorbs shock
- Increases visibility of tow rope
- 39" x 21" (deflated size)

ORDER NO. 737-56323 (1 - 4 Rider)
Mfr. No. AHOR-12

SPORTSSTUFF

COOLER CADDY

Your refreshments will be bobbing with you in the pool, lake or river

- Speed safety valve for quick inflating & deflating
- 4 cup holders
- 2 molded tether points
- Self bailing drains
- 47" x 38" (deflated)
- Fits up to 48 quart (45 litre) coolers (28" x 17" opening)

ORDER NO. 736-38244
Mfr. No. 40-1020

AIRHEAD

For more information see:
www.airhead.com

AIRHEAD

SUP ALUMINUM PADDLE

- Lightweight aluminum adjustable oval shaft
- One-size fits all
- Length adjusts from 63" to 87" (160 to 220cm)
- Fibreglass reinforced ABS “duck foot” blade
- Weight: 2.75 lbs. (1.25 kgs)

ORDER NO. 737-45730 Mfr. No. AHSUP-P11

SUP PADDLE CARBON FIBER COMPOSITE

- One-size-fits-all
- 3-Section easy to stow
- Length adjusts from 63" to 83" (160 to 210cm)
- SUP handle can easily be adjusted from 165cm to 185cm
- 100% carbon fiber shaft
- Fiberglass reinforced ABS “duckfoot” blade with soft TPE edge that prevents damage to fiberglass boards
- Carbon handle

ORDER NO. 737-42074 Mfr. No. AHSUP-P6

AIRHEAD® SCRUNCHY LEASH

- Lightweight accordion style webbing
- Extends to 11 feet
- 2 in-line swivels keep the leash from tangling
- Comfortable neoprene lined ankle cuff

ORDER NO. 737-38527
Mfr. No. AHSUP-A008

AIRHEAD® PADDLE/ROD LEASH

- Stretches from 24" to 60"
- Swivel hooks & comfortable collars for lots of attachment options
- Easily connect to paddle with adjustable velcro strap
- Great for fishing poles too!

ORDER NO. 737-38534
Mfr. No. AHSUP-A009

SUP VELOCITY PUMP 12V

- Inflates SUPs 1/3 of the time faster than any other portable pump
- Single stage high pressure / high volume inflation
- Aligator clips cable for direct battery connection
- Interchangeable H-Valve and Leafield C7 adapters
- Auto shut-off, just dial in the pressure from 1 to 20 PSI

ORDER NO. 737-45723
Mfr. No. AHSUP-A029

DRY PAK

IPX7 WATERPROOF

DRY PAK GEAR BAG

Roll Top Dry Bag

- Versatile & durable waterproof 10 oz. vinyl with RF-welded seams
- Shuts out all moisture
- Easy to find gear in clear bag
- 12-1/2" diameter x 28" high (after closing)
- Reinforced Clear

ORDER NO. 737-16488 Mfr. No. WB-9

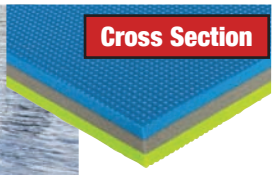
AIRHEAD

For more information see:
www.airhead.com

WATER MATS

AIRHEAD

- Diamond Top surfaces for Comfort, Traction & Durability, a WaterMat exclusive
- Reversible, Marine Blue & Hot Green
- High Quality Grommet Tethering System with Stainless Steel Hook
- 2 Convenient Storage Straps Included
- Portable and Easy to Carry, Fits in most SUV's



WATERMAT ROLL 'N GO 11

- Recommended Capacity: 600 lbs. distributed weight
- Dimensions: **11' Long x 5' x 1.25"**, Weight: 21 lbs.

ORDER NO. 737-47673 Mfr. No. AHWM-11

For more information see: www.airhead.com

WHITE KNUCKLE

RUNWAY

The Runway creates an entertaining & enjoyable spot on the water! Whether you're a kid running & playing or an adult just out lounging in the sun! Fun for all ages!!!!

- Material: 3 layers Hole XPE foam with Protected UV

ORDER NO. 391-35485 Mfr. No. 19151

- Dimensions: **12' Long x 6'**
- Capacity:: **880 lbs.**

ORDER NO. 391-35478 Mfr. No. 19150

- Dimensions: **18' Long x 6'**
- Capacity:: **1300 lbs.**

For more information see: www.whiteknucklesport.com

AIRHEAD

AQUA ZOOKA® BIG SHOT/DOUBLE BIG SHOT

Soak your friends with AQUAZOOKA!

- Durable high impact plastic construction
- Over sized barrels deliver the friend drenching spray you're after
- Easy to operate, quick-filling water bazooka
- Up to 60 feet range
- Ergonomic pistol grip
- New "HexDraw System" speeds up reloading and increases efficiency

ORDER NO.	Mfr. No.	Description	Length
737-41763	AZ-P18	AquaZooka® Big Shot	18 inches
737-41770	AZ-P18DS	AquaZooka® Double Big Shot	18 inches
737-41787	AZ-P24	AquaZooka® Big Shot	24 inches
737-41794	AZ-P24DS	AquaZooka® Double Big Shot	24 inches

AQUA-ZOOKA™

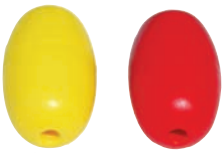
AQUA ZOOKA® WATER GUNS

Soak your friends with AQUAZOOKA!

- Constructed of high-impact thermoplastics
- Easy to operate, quick-filling water bazooka
- Up to 60 feet range
- Comfortable EVA handles, so you won't lose your grip
- Floats and doubles as a bilge pump

ORDER NO.	Mfr. No.	Length
737-20591	AZ-12	12 inches
737-20607	AZ-18	18 inches
737-20614	AZ-24	24 inches
737-20805	AZ-32	32 inches

PLASTIC FLOATS



- Durable ultrasonically welded
- Great for pools, ski ropes, anchor lines, marker buoys and crab traps,
- Built to last
- Size: 5" long x 3" dia. with 1/2" center hole

ORDER NO. 737-17188 Mfr. No. F-5R (Red)
ORDER NO. 737-17171 Mfr. No. F-5Y (Yellow)

20" DIAMETER BUOYS

- Perfect for marking anchors, moorings, hazards, and swimming areas
- Use to set up personal watercraft or sailboat courses

ORDER NO. 737-00201 Mfr. No. B-20R (Red)
ORDER NO. 737-00202 Mfr. No. B-20Y (Yellow)

WATER SKI FLAG

- Bright orange vinyl flag is attached to a 24" pole
- Conforms to AZ, CA, CO, ID, KS, MO, NE, NM, OR, TX, UT, WA laws
- Flag size: 12" x 15"

ORDER NO. 737-15221 Mfr. No. F-1

For more information see: www.airhead.com

UNICORD

Dock Lines

- Super strong double braid (braid over braid) or 3 strand (4 stage) twisted
- Spliced with a 10-12" eye & expertly hand-spliced, conveniently ready to use
- Strongest, easiest to handle line, stays flexible, resists kinking and mildew
- Highest energy absorption & shock mitigation minimizing shock load effects

White

Royal Blue

Gold/White

Hunter Green

Orange Reflective

Yellow Reflective

Double Braided Nylon Dock Line

SIZE	WHITE	BLACK	ROYAL BLUE
3/8" X 10'	708-458301	708-459360	708-440481
3/8" X 15'	708-458318	708-459377	708-440498
3/8" X 20'	708-458325	708-459384	708-440504
1/2" X 15'	708-458356	708-459414	708-440535
1/2" X 20'	708-458363	708-459421	708-440542
1/2" X 25'	708-458370	708-459438	708-440559
1/2" X 30'	708-458387	708-459445	708-440566
5/8" X 25'	708-458424	708-459483	708-440603
5/8" X 30'	708-458431	708-459490	708-440610
5/8" X 35'	708-458448	708-459506	708-440627
5/8" X 40'	708-456574	708-456604	

Double Braided Nylon Dock Line

SIZE	HUNTER GREEN	NAVY	GOLD/WHITE	ORANGE REFLECTIVE	YELLOW REFLECTIVE
3/8" X 10'	708-442959	708-441389			
3/8" X 15'	708-442966	708-441396	708-440191	708-462490	708-462506
3/8" X 20'	708-442973	708-441402	708-440207		
1/2" X 15'	708-443000	708-441433	708-440238		
1/2" X 20'	708-443017	708-441440	708-440245		
1/2" X 25'	708-443024	708-441457			
1/2" X 30'	708-443031	708-441464			
5/8" X 25'	708-443062	708-441501			
5/8" X 30'	708-443079	708-441518			
5/8" X 35'	708-443086	708-441525			
5/8" X 40'	708-462971	708-462988			

Twisted Nylon-White Dock Line

SIZE	ORDER NO.
3/8" X 10'	708-457328
3/8" X 15'	708-442546
3/8" X 20'	708-442553
1/2" X 20'	708-442591
1/2" X 25'	708-442607

For more information see:
www.unicordcorp.com

CMP Cordage

DOUBLE BRAIDED DOCK LINES

- Double braid nylon rope is easy to handle & spliceable
- Nylon resists most chemicals & will not rot or mildew
- Twisted twill yarn to improve abrasion resistance
- Exceeds Cordage Institute standards strength
- Professional hand spliced eye — the splice is stronger than the rope
- Bitter end is heat sealed to prevent fraying & protected with an overall non-corrosive flexible polyolefin shrink tube
- Heavy-duty reusable storage strap
- Great for dock lines, anchor lines, or mooring lines

NEW!

Cover Construction

- 100% continuous filament high tenacity Type 6 nylon
- Coloured nylon yarns are solution dyed for colour fastness & reduced fading
- Colour yarn has extra twist to improve abrasion resistance & strength
- Braided cover is torque balanced to increase strength & reduce rotation under load

Core Construction

- 100% continuous filament high tenacity Type 6 nylon
- Braided core is torque balanced to increase tensile strength & reduce rotation under load

Made in CANADA

For more information see: www.cmpgroup.net

SIZE	WHITE	NAVY BLUE	BLACK	WHITE / GOLD
3/8" X 10'	106-38100	106-38102	106-38101	106-38103
3/8" X 15'	106-38150	106-38152	106-38151	106-38153
3/8" X 20'	106-38200	106-38202	106-38201	106-38203
3/8" X 25'	106-38250	106-38252	106-38251	106-38253
3/8" X 30'			106-38301	
1/2" X 10'	106-12100	106-12102	106-12101	106-12103
1/2" X 15'	106-12150	106-12152	106-12151	106-12153
1/2" X 20'	106-12200	106-12202	106-12201	106-12203
1/2" X 25'	106-12250	106-12252	106-12251	106-12253
1/2" X 30'			106-12301	
5/8" X 15'	106-58150	106-58152	106-58151	106-58153
5/8" X 20'	106-58200	106-58202	106-58201	106-58203
5/8" X 25'	106-58250	106-58252	106-58251	106-58253
5/8" X 30'	106-58300	106-58302	106-58301	106-58303
5/8" X 40'			106-58401	106-58403
3/4" X 25'			106-34251	
3/4" X 40'			106-34401	

DOUBLE BRAIDED DOCK LINES

- Whipped bitter end
- Always flexible – stays soft and easy to handle throughout its life
- Spliced eye end – much stronger than a knot
- Resistant to oil, grease, gasoline, mildew and most chemicals
- Will not rot – allows for storing wet or dry
- Great for dock lines, anchor lines, or mooring lines

Use this chart to help choose the correct line diameter. If your boat is located in a windy area or in an area that often experiences rough sea conditions, it is a good idea to choose the next bigger line diameter. Bow and stern lines should be two-thirds the length of your boat. Spring lines should be as long as your boat.

Rope Diameter	Boat Length	Tensile Strength
3/8"	Up to 25'	4,450 lbs.
1/2"	Up to 32'	7,850 lbs.

NEW!

For more information see: www.taylormadeproducts.com

Taylor Made

SIZE	WHITE	BLUE	BLACK
3/8" X 15'	111-11328	111-11324	111-11319
3/8" X 25'	111-11329	111-11325	111-11321
1/2" X 15'	111-11331	111-11326	111-11322
1/2" X 25'	111-11332	111-11327	111-11323

FENDER LINES/LOOPS/CHAFE GUARD

FENDER LOC FENDER LINES

- Provides an adjustable & secure tie-off for your boat fenders
- Built-in loop eliminates knot tying & works on all types of fenders
- Polypropylene rope is color matched to your Taylor Made fender
- Comes in 7 True Colors® to best match your boat

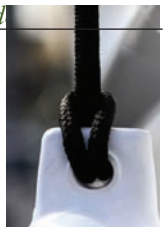
(Mfr. Nos: 11315 Cranberry, 11316 Hunter Green, 11318 Sand)

ORDER NO.	Mfr. No.	Description	Colour
111-11311	11311	3/8 in. x 6 ft., 2/ Pk,	White
111-11312	11312	3/8 in. x 6 ft., 2/ Pk,	Blue
111-11313	11313	3/8 in. x 6 ft., 2/ Pk,	Black
111-11317	11317	3/8 in. x 6 ft., 2/ Pk,	Navy Blue

For more information see: www.taylormad

DOUBLE BRAIDED FENDER LINES

- Double braid nylon rope is easy to handle & spliceable
- Nylon resists most chemicals & will not rot or mildew
- Twisted twill yarn to improve abrasion resistance
- Exceeds Cordage Institute standards strength
- Professional hand spliced eye — the splice is stronger than the rope
- Bitter end is heat sealed to prevent fraying & protected with an overall non-corrosive flexible polyolefin shrink tube
- Heavy-duty reusable storage strap



For more information see: www.cmpgroup.net

NEW!

Made in CANADA

ORDER NO.	Mfr. No.	Description	Colour
106-38060	CFL3806WH	3/8 in. x 6 ft., 2/ Pk,	White
106-38061	CFL3806BK	3/8 in. x 6 ft., 2/ Pk,	Black
106-38062	CFL3806NY	3/8 in. x 6 ft., 2/ Pk,	Navy Blue
106-38063	CFL3806WG	3/8 in. x 6 ft., 2/ Pk,	White/Gold

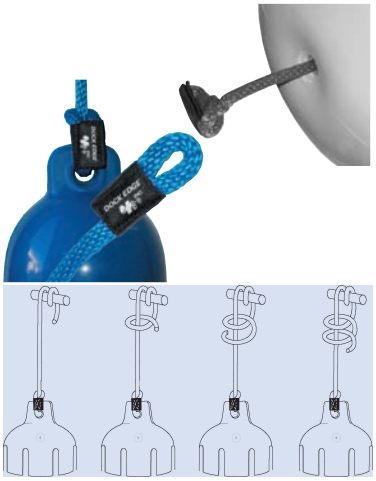
MFP FENDER LINES

MFP (Multi-Filament Polypropylene) Fender Lines are strong, available in multiple colours and float along the surface of the water. They may be used for twin eye or center hole fender applications.

- Easily adjustable and will remain soft and pliable

ORDER NO.	Description	Colour
440-91561	3/8 in. x 5 ft., 2/ Pk,	White
440-91562	3/8 in. x 5 ft., 2/ Pk,	Royal Blue
440-91566	3/8 in. x 5 ft., 2/ Pk,	Black
440-91569	3/8 in. x 5 ft., 2/ Pk,	Navy Blue
440-91571	3/8 in. x 8 ft., 2/ Pk,	White
440-91572	3/8 in. x 8 ft., 2/ Pk,	Royal Blue
440-91576	3/8 in. x 8 ft., 2/ Pk,	Black
440-91579	3/8 in. x 8 ft., 2/ Pk,	Navy Blue

FENDER LINES COLOUR SWATCHES



For more information see: www.dockedge.com

REMOVABLE CHAFE GUARD

Protect Your Lines with Removable/Adjustable Chafe Guards

Chafe protection is critical at the dock, at anchor or on a mooring. Davis offers a great solution to prevent chafing over a cleat, cap rail, where two lines cross or at the anchor roller. Dock lines can be expensive—extending their life with good chafe protection is not!

Secure Removable Chafe Guards fit braided or twisted line from 3/8 to 1" (10–25 mm). They're easy to remove and adjust as lines stretch or chafe protection is needed elsewhere. Great for dock, mooring and anchor lines where wearing through a line could cost you the boat. The outside cover is made of tough, UV-stabilized nylon webbing. The inside is lined with 100% Velcro® to grip the rope. Each chafe guard is 16″ long (40 cm).

ORDER NO.	Mfr. No.	Description
510-03970	397	Black, 16" Long (40 cm) each Sold in pairs

For more information see: www.davisinstruments.com

SPECIAL ORDER Items

ANCHOR LINES

- Super strong double braid (braid over braid) or 3 strand (4 stage) twisted
- Spliced with thimbles or snap hooks
- Firm, flexible, maintaining full performance for easy handling, ready to use
- Highest energy absorption & shock mitigation minimizing shock load effects

Double Braided Nylon with Galvanized Thimble

SIZE	COLOUR	ORDER NO.
3/8" X 50'	White	708-463091
3/8" X 100'	White	708-300006
3/8" X 150'	White	708-300013
3/8" X 100'	Black	708-300396
1/2" X 150'	White	708-300037
1/2" X 200'	White	708-300044
5/8" X 150'	White	708-463107
5/8" X 200'	White	708-462964

708-300396

Twisted Nylon with Galvanized Thimble

SIZE	COLOUR	ORDER NO.
3/8" X 50'	White	708-300501
3/8" X 100'	White	708-300518
3/8" X 150'	White	708-300525
1/2" X 100'	White	708-300532
1/2" X 150'	White	708-300549

708-300518

BULK ROPE (On Reels)

Polyester Yacht Braid

SIZE	WHITE	w/RED TRACER	w/BLUE TRACER	w/BLACK TRACER	w/GREEN TRACER
1/4" X 600'	708-462599	708-462605	708-462612	708-462629	708-462636
5/16" X 600'	708-462643	708-462650	708-462667	708-462674	708-462681
3/8" X 600'	708-462698	708-462707	708-462711	708-462728	708-462735
7/16" X 600'	708-462742	708-462759	708-462773	708-462780	708-462797
1/2" X 600'	708-462803	708-462810	708-462827	708-462834	708-462841
5/8" X 600'	708-462858				

- Balanced & round polyester construction, low stretch, spliceable
- Very high tensile strength & first-rate quality
- Outstanding choice for sheet, halyards, sailing applications
- Available with color identification markers

UNICORD

BULK ROPE (On Reels)

Braid Over Braid Nylon

- Highest in value
- Superb strength w/ some stretch for excellent shock absorbency
- Nylon core with soft nylon cover & first-rate quality
- Usages for industrial, marine applications, horse halter/reins, dog leashes

SIZE	COLOUR	ORDER NO.
1/4" x 600'	White	708-103003
5/16" x 600'	White	708-103010
3/8" x 600'	White	708-103027
3/8" x 600'	Royal Blue	708-103522

SIZE	COLOUR	ORDER NO.
3/8" x 600'	Black	708-103324
1/2" x 600'	White	708-103041
1/2" x 600'	Royal Blue	708-103546
1/2" x 600'	Black	708-103348

3 Strand White Twisted Nylon

- Strong, durable, flexible, shock absorbent, stretch & strength
- Easy to splice, holds knot well
- Resists most chemicals & abrasion
- Ideal for towing, tie down, docking, anchoring, pulling

SIZE	ORDER NO.
1/4" X 600'	708-100026

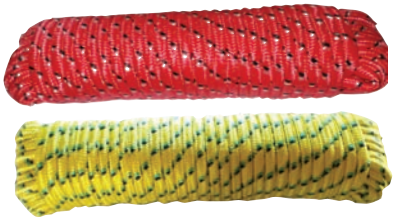
Orange w/ Yellow Tracer Float Line

SIZE	ORDER NO.
3/8" X 300'	708-464302

Utility Rope Braided Polypropylene

- Workload 126 lbs.
- Abrasion resistant
- Floats in water

SIZE	ORDER NO.
Red w/Tracer 3/8" X 100'	708-463886
Yellow w/Tracer 3/8" X 100'	708-463916



3 Strand Yellow Twisted Polypropylene

- Polypropylene is light, floatable & highly resistant to most chemicals, mildew
- Very low stretch, good knot retention & spliceable
- Excellent general use rope including swimming pool marker, camping, marine

SIZE	ORDER NO.
1/4" X 1200'	708-102020
5/16" X 1200'	708-102167
3/8" X 600'	708-102044
1/2" X 600'	708-102051

Hollow Braid Blue/White Polypropylene Rope

- Economical choice
- Hollow core provides high knot retention, spliceable
- UV stabilizers for sunlight durability
- Great general use rope, rescue & non-critical anchoring, docking applications

SIZE	ORDER NO.
1/4" X 1000'	708-500239

For more information see: www.unicordcorp.com

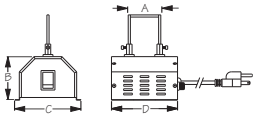
UTILITY CORDAGE

- Solid Braided Polyester Cord
- Excellent for many quick ties and flag halyard uses

ORDER NO.	Mfr. No.	Description	A(Dia.)	B(Length)	Colour	Working Load Limits (kgs/lbs.)	Breaking Strength (kgs/lbs.
433-03050	303303050WH-1	Hank	1/8"	50'	White	22/50	110/225
433-04050	303304050-1	Hank	5/32"	50'	White	50/110	252/510
433-05050	303305050-1	Hank	3/16"	50'	White	132/290	660/1330

QUICK CUT BENCH TOP ROPE CUTTER

Powder Coated Steel



NEW!

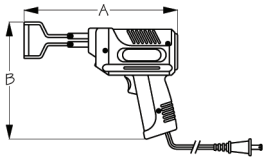
ORDER NO.	Mfr. No.	A	B	C	D	Volts
423-00092	300092-3	2-1/4"	3-1/8"	4-13/16"	4-13/16"	120
433-00091	300091-1	Replacement Blade				

Easily cuts and heat seals nylon, polyester, polypropylene, and Dacron cordage and webbing. The replaceable blade Sea-Dog heats up to 1000˚ Fahrenheit (500˚ Celsius) in 10 seconds. Includes brass bristle cleaning brush and T-handle Allen wrench for installing the replaceable blade. Features a 39" heavy-duty grounded cord and a lighted on/off rocker switch. Base is pre-drilled for permanent mounting on a bench or table. 120VAC @ 30W. ETL certified #5002516.

ECONOMY HAND HELD ROPE CUTTER/SOLDERING GUN

Steel/Plastic

- Easily cuts nylon, polyester, polypropylene and Dacron cordage and webbing
- Cuts and heats seals at the same time
- Includes replaceable blade and soldering tip
- UL listed

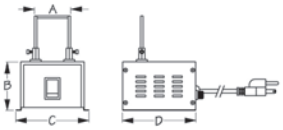


ORDER NO.	Mfr. No.	A	B	Voltage
423-00097	300097-3	9-1/4"	6-3/4"	120

ROPE CUTTER

Powder Coated Steel

Electric 110V hot blade cuts all types of poly cordage quickly and cleanly. ETL listed. Includes wire cleaning brush and blade removal tool.



ORDER NO.	Mfr. No.	A	B	C	D	Voltage
433-00090	300090-3	2-1/4"	3-1/8"	4-13/16"	4-5/8"	120
433-00091	300091-1	Replacement Blade				

For more information see: www.sea-dog.com

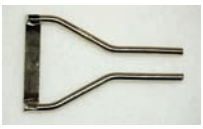
PANTHER

PORTABLE ROPE CUTTER

Panther's portable rope cutting gun is ideal for boat, camper and home use. The handle fits in the palm of your hand with easy finger pull operation. It makes quick clean cuts in all types of synthetic ropes, line and strapping.

- Lightweight - 1.5 lbs.
- Overall Dim: 6"L x 6"H x 2"D
- Operates from 120V AC
- Complete w/ 4 ft. cord

947-57061



ORDER NO.	Mfr. No.	Description
947-57060	75-7060B	Portable Rope Cutter
947-57061	75-7061	Replacement Blades

For more information see: www.panthermarineproducts.com

Sierra Marine Engine and Drive Parts

STARTER ROPES

STARTER ROPES (200' SPOOL)

ORDER NO.	Dia./Length	OEM #
018-49110	5/32" x 200'	OMC 322236
018-49130	3/16" x 200'	OMC 316705
018-49140	1/8" x 200'	MOC 316706

STARTER ROPE & HANDLE

Universal Starter Rope & Handle - (Uses 9/64" Rope), #4.5

ORDER NO. 018-49040

HANDLE ONLY

ORDER NO. 018-49010

For more information see: www.catalog.sierraparts.com

NAUTALIFT™ GAS LIFT SUPPORTS AND ACCESSORIES

Marine Grade Gas Filled Supports, Annealed steel rods nitride coated for corrosion resistance, Engineered polymer rod ends, Bronze bushings, Multi-lobe internal seal
Exact fit OEM replacement – used by leading boat builders for over 20 years

ORDER NO.	Mfr. No.	Extended	Compressed Length (inches)	Rated (lbs.)
051-62600	GS62600	7.5	5.5	20
051-62610	GS62610	7.5	5.5	40
051-62630	GS62630	10	7	20
051-62640	GS62640	10	7	40
051-62670	GS62670	12	8.5	30
051-62680	GS62680	15	9.5	20
051-62700	GS62700	15	9.5	40
051-62710	GS62710	15	9.5	60
051-62720	GS62720	17	11	20
051-62740	GS62740	17	11	40
051-62750	GS62750	17	11	60
051-62760	GS62760	17	11	90
051-62770	GS62770	20	12	20
051-62780	GS62780	20	12	30
051-62790	GS62790	20	12	40
051-62800	GS62800	20	12	60
051-62820	GS62820	20	12	90
051-62830	GS62830	20	12	120

ORDER NO.	Mfr. No.	Extended	Compressed Length (inches)	Rated (lbs.)
051-62601	GSS62600	7.5	5.5	20
051-62611	GSS62610	7.5	5.5	40
051-62631	GSS62630	10	7	20
051-62641	GSS62640	10	7	40
051-62671	GSS62670	12	8.5	30
051-62681	GSS62680	15	9.5	20
051-62701	GSS62700	15	9.5	40
051-62711	GSS62710	15	9.5	60
051-62721	GSS62720	17	11	20
051-62741	GSS62740	17	11	40
051-62751	GSS62750	17	11	60
051-62761	GSS62760	17	11	90
051-62771	GSS62770	20	12	20
051-62781	GSS62780	20	12	30
051-62791	GSS62790	20	12	40
051-62801	GSS62800	20	12	60
051-62821	GSS62820	20	12	90
051-62831	GSS62830	20	12	120

NAUTALIFT™ STAINLESS STEEL GAS LIFT SUPPORTS

- *Marine Grade Gas Filled Supports, designed for demanding saltwater applications*
- *316L Stainless Steel Rod & Cylinder Engineered polymer rod ends*
- *Bronze bushings*
- *Multi-lobe internal seal*

GS62840 **051-62840**
Black zinc plated steel flat bracket with 10mm ball stud. 2.25" wide.

GS62860 **051-62860**
Black zinc plated steel 90˚ angle bracket with 10mm ball stud. 2" wide, .65" base.

GS62890 **051-62890**
Rod end with internal threads for either end of Nautalift gas filled lift supports. Unique construction makes installation easy and safe.

GS62910 **051-62910**
Zinc plated steel 10mm ball stud with threaded shaft.

Polyform US®

THE LEADER IN QUALITY AND SERVICE

Our production process is like no other in the world. Terms like one-piece construction, even wall thickness and reinforced ropehold eyes were originated by, and synonymous with, Polyform. We do not believe in cutting corners. In our eyes, it doesn't cost more to do it right the first time, and you as the customer benefit from this belief. So put your boat's protection in the hands of the experts...

G series

PROTECTED MOORINGS

- Ribs for extra strength and stability
- High gloss finish
- Wide range of colours
- Dependability at an affordable price
- For boats 15 ft. to 40 ft. in length

G & HTM COLOURS:

NEW GRAPHITE

BLACK | LIME

BURGUNDY | TEAL

CLASSIC RED | FOREST GREEN

COBALT BLUE | GREY

BLUE | SAND

CATALINA BLUE | WHITE

ADDITIONAL COLOURS:

YELLOW | RED

ORANGE

HTM series

MEDIUM TO HEAVY DUTY

- Reinforced tube ends
- Ribs for extra strength and stability
- High gloss finish
- Wide range of colours
- For boats 20 ft. to 50 ft. in length

A series

HEAVY DUTY

- Wide range of commercial uses
- Reinforced ropehold
- For boats 20 ft. to 100 ft. in length
- High gloss finish
- Wide range of colours

A COLOURS:

RED | WHITE

SPECIAL ORDER:

BLUE | GREEN | SATURN YELLOW | YELLOW | ORANGE

CM series

MOORING BUOY

- Strong mooring iron made from galvanized steel with vinyl-coated eye
- Larger eye {4-3/8"} and swivel {1-1/2"} provide maximum strength
- Also available with 316 stainless steel mooring iron
- Even wall thickness for strength and durability
- Limited three year warranty

WS series

WATER SKI SLALOM BUOY

- Meets official American Waterski Association specifications
- Multiple colours to make both ski and boat courses
- High quality PVC
- Durable ropehold

ELITE FENDER COVERS

Our long-lasting, extra heavy duty knit polyester gets near perfect ratings for colour fastness and resistance to sunlight, repeated washings, friction and seawater. Available in black with a gold embroidered logo or navy with a silver embroidered logo to fit every Polyform fender style and size.

FENDER FIT COVERS

Fully protects your fenders from damaging UV rays. Eliminates the "squeak" for a peaceful mooring, minimize hull damage from scuffs and rub marks. Durable—made from long-lasting acrylic yarn.

TRUE-FIT FENDER HOLDER KIT

Fender Holder Kits include two baskets and all connectors needed for correct mounting.

Every (2) holders need (3) TFR 402 Swivel connectors and (1) pair of TFR 403 parallel connectors for proper installation.

Swivel Connector
TFR-404 [Fits 1-1/4" rails]
TFR-402 [Fits 7/8"–1" rails]

Parallel Connector
TFR-403 [Fits all holders]

Polyform U.S.

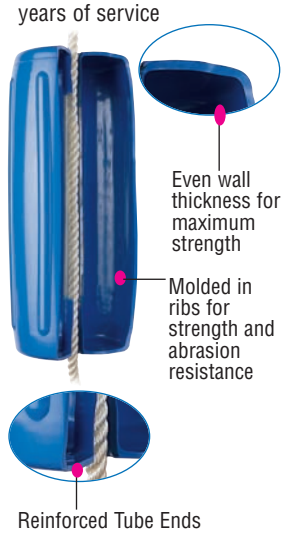
A FENDER FOR EVERY BOAT

A FENDER FOR EVERY CONDITION

HTM SERIES

FEATURES:

- Even wall thickness for maximum strength
- Molded in ribs for strength and abrasion resistance
- Reinforced tube ends
- Designed for use in medium duty applications in both permanent protected and unprotected moorings
- Mirror like finish will last for years
- Offered in more colours than any other manufacturer
- Tube diameter 5/8"
- Unique polyform valve for years of service



ORDER NO. Sold by each	Model	Size	Case Qty
BLACK			
200-06151	HTM-1	6" x 15"	6
200-71026	HTM-2	8" x 20"	4
200-71032	HTM-3	10" x 26"	4
200-12341	HTM-4	12" x 34"	4
BLUE			
200-06152	HTM-1	6" x 15"	6
200-41026	HTM-2	8" x 20"	4
200-41032	HTM-3	10" x 26"	4
200-12342	HTM-4	12" x 34"	4
BURGUNDY			
200-06154	HTM-1	6" x 15"	6
200-08204	HTM-2	8" x 20"	4
200-10264	HTM-3	10" x 26"	4
200-12344	HTM-4	12" x 34"	4
CLASSIC RED			
200-06157	HTM-1	6" x 15"	6
200-08207	HTM-2	8" x 20"	4
200-10267	HTM-3	10" x 26"	4
200-12347	HTM-4	12" x 34"	4
CATALINA BLUE			
200-06159	HTM-1	6" x 15"	6
200-08209	HTM-2	8" x 20"	4
200-10269	HTM-3	10" x 26"	4
200-12349	HTM-4	12" x 34"	4

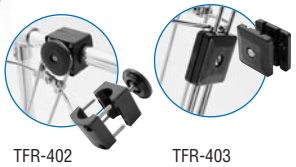
ORDER NO. Sold by each	Model	Size	Case Qty
COBALT BLUE			
200-06156	HTM-1	6" x 15"	6
200-08206	HTM-2	8" x 20"	4
200-10266	HTM-3	10" x 26"	4
200-12346	HTM-4	12" x 34"	4
FOREST GREEN			
200-06153	HTM-1	6" x 15"	6
200-08203	HTM-2	8" x 20"	4
200-10263	HTM-3	10" x 26"	4
200-12343	HTM-4	12" x 34"	4
NAVY BLUE			
200-06155	HTM-1	6" x 15"	6
200-08205	HTM-2	8" x 20"	4
200-10265	HTM-3	10" x 26"	4
SAND			
200-06158	HTM-1	6" x 15"	6
200-08208	HTM-2	8" x 20"	4
200-10268	HTM-3	10" x 26"	4
200-12345	HTM-4	12" x 34"	4
WHITE			
200-06150	HTM-1	6" x 15"	6
200-10260	HTM-2	8" x 20"	4
200-11320	HTM-3	10" x 26"	4
200-12340	HTM-4	12" x 34"	4
GRAPHITE			
200-06160	HTM-1	6" x 15"	6
200-08210	HTM-2	8" x 20"	4
200-10270	HTM-3	10" x 26"	4
200-12350	HTM-4	12" x 34"	4

NEW!

TRUE-FIT FENDER HOLDER KIT

Fender Holder Kits include two baskets and all connectors needed for correct mounting.
Every (2) holders need (3) TFR 402 swivel connectors and (1) pair of TFR 403 parallel connectors for proper installation.

For more information see: www.polyformus.com



TFR-402 Swivel Connector (Fits 7/8" - 1" Rails)

TFR-403 Parallel Connector (Fits all holders)

ORDER NO. Sold by each	Model	Description	Fits	Case Qty
200-17020	TFR-170-2	Fender Kit / 6.75", 2 Holders	6"	1
200-17030	TFR-170-3	Fender Kit / 6.75", 3 Holders	6"	1
200-00230	TFR-230	Fender Holder Basket 9" (ea.)		12
200-23020	TFR-230-2	Fender Kit / 9", 2 Holders	8"	1
200-23030	TFR-230-3	Fender Kit / 9", 3 Holders	8"	1
200-00280	TFR-280	Fender Holder Basket 12" (ea.)		12
200-28020	TFR-280-2	Fender Kit / 12", 2 Holders	10"	1
200-28030	TFR-280-3	Fender Kit / 12", 3 Holders	10"	1
CONNECTORS				
200-00402	TFR-402	Swivel Connector 7/8" - 1" Rail		12
200-00403	TFR-403	Parallel Connector (Pair)		12
200-00404	TFR-404	Swivel Connector 1.25" Rail		12

G SERIES

FEATURES:

- Even wall thickness for maximum strength
- Available in a wide selection of colours
- Recognized as the “best” in its class
- Polyform’s most popular product
- Molded in ribs for strength and abrasion resistance
- Reinforced ropeholds
- Designed for use by trailered boats and permanent protected moorings
- Unique Polyform valve for years of service

F SERIES

CLASSIC EUROPEAN FENDER FOR THE MOST DEMANDING USE

FEATURES:

- Wide range of sizes to suit any vessel
- White fender with blue ropeholds
- Unique vinyl valve seals securely
- Even wall thickness
- Multiple ribbed reinforced ropeholds
- Twin-eye design for vertical or horizontal use
- Designed for use in permanent unprotected moorings, pilings, locks and concrete walls

ORDER NO.	Mfg No...	Colour	Size
200-06250	F-1	White	6" x 25"
200-09250	F-2	White	9" x 25"
200-12300	F-5	White	12" x 30"

Sold by each

Polyform U.S.

A FENDER FOR EVERY BOAT

A FENDER FOR EVERY CONDITION

ORDER NO. Sold by each	Model	Size	Case Qty	Eye Dia.
BLACK				
200-35131	G-1	3-1/2" x 13"	12	3/8"
200-45061	G-2	4-1/2" x 16"	12	1/2"
200-55201	G-3	5-1/2" x 20"	6	5/8"
200-65231	G-4	6-1/2" x 23"	6	3/4"
200-65231-4PK	G-4	6-1/2" x 23"	1	3/4"
200-85271	G-5	8-1/2" x 27"	4	3/4"
BLUE				
200-35132	G-1	3-1/2" x 13"	12	3/8"
200-45062	G-2	4-1/2" x 16"	12	1/2"
200-55202	G-3	5-1/2" x 20"	6	5/8"
200-65232	G-4	6-1/2" x 23"	6	3/4"
200-85272	G-5	8-1/2" x 27"	4	3/4"
BURGUNDY				
200-35134	G-1	3-1/2" x 13"	12	3/8"
200-45064	G-2	4-1/2" x 16"	12	1/2"
200-55204	G-3	5-1/2" x 20"	6	5/8"
200-65234	G-4	6-1/2" x 23"	6	3/4"
200-85274	G-5	8-1/2" x 27"	4	3/4"
CLASSIC RED				
200-35137	G-1	3-1/2" x 13"	12	3/8"
200-45067	G-2	4-1/2" x 16"	12	1/2"
200-55207	G-3	5-1/2" x 20"	6	5/8"
200-65237	G-4	6-1/2" x 23"	6	3/4"
200-85277	G-5	8-1/2" x 27"	4	3/4"
LIME GREEN				
200-45069	G-2	4-1/2" x 16"	12	1/2"
200-55209	G-3	5-1/2" x 20"	6	5/8"
200-65239	G-4	6-1/2" x 23"	6	3/4"
200-85279	G-5	8-1/2" x 27"	4	3/4"
GRAPHITE				
200-35140	G-1	3-1/2" x 13"	12	3/8"
200-45070	G-2	4-1/2" x 16"	12	1/2"
200-55210	G-3	5-1/2" x 20"	6	5/8"
200-65240	G-4	6-1/2" x 23"	6	3/4"
200-85280	G-5	8-1/2" x 27"	4	3/4"

ORDER NO. Sold by each	Model	Size	Case Qty	Eye Dia.
COBALT BLUE				
200-35136	G-1	3-1/2" x 13"	12	3/8"
200-45066	G-2	4-1/2" x 16"	12	1/2"
200-55206	G-3	5-1/2" x 20"	6	5/8"
200-65236	G-4	6-1/2" x 23"	6	3/4"
200-85276	G-5	8-1/2" x 27"	4	3/4"
FOREST GREEN				
200-35133	G-1	3-1/2" x 13"	12	3/8"
200-45063	G-2	4-1/2" x 16"	12	1/2"
200-55203	G-3	5-1/2" x 20"	6	5/8"
200-65233	G-4	6-1/2" x 23"	6	3/4"
200-85273	G-5	8-1/2" x 27"	4	3/4"
SAND				
200-35135	G-1	3-1/2" x 13"	12	3/8"
200-45065	G-2	4-1/2" x 16"	12	1/2"
200-55205	G-3	5-1/2" x 20"	6	5/8"
200-65235	G-4	6-1/2" x 23"	6	3/4"
200-85275	G-5	8-1/2" x 27"	4	3/4"
WHITE				
200-35130	G-1	3-1/2" x 13"	12	3/8"
200-45060	G-2	4-1/2" x 16"	12	1/2"
200-55200	G-3	5-1/2" x 20"	6	5/8"
200-65230	G-4	6-1/2" x 23"	6	3/4"
200-65230-4PK	G-4	6-1/2" x 23"	1	3/4"
200-85270	G-5	8-1/2" x 27"	4	3/4"
CATALINA BLUE				
200-35138	G-1	3-1/2" x 13"	12	3/8"
200-45068	G-2	4-1/2" x 16"	12	1/2"
200-55208	G-3	5-1/2" x 20"	6	5/8"
200-65238	G-4	6-1/2" x 23"	6	3/4"
200-85278	G-5	8-1/2" x 27"	4	3/4"

NEW!

For more information see: www.polyformus.com

A Perfect Match.

STORM GARD™ Fenders

Features:

- **PATENTED DESIGN** Pearlescent color process provides deeper richer colors.
- Integrated color agents provide added luster in sunlight.
- Color matches depth of gelcoats on most boats.

MADE IN THE USA

See the Difference!

The NEXT Generation of color has arrived!

White Order No.	Mid Atlantic Blue Order No.	Black Onyx Order No.	Captain's Navy Order No.	D x L Size	Boat Size
112-52000	112-52004	112-52007	112-52057	5.5" x 20"	15' to 20'
112-62300	112-62304	112-62307	112-62357	6.5" x 22"	20' to 25'
112-82600	112-82604	112-82607	112-82657	8.5" x 27"	25' to 35'

Emerald Green Order No.	Burgundy Order No.	Silver Mist Order No.	Aurora Gold Order No.	D x L Size	Boat Size
112-52054	112-52053	112-52047	112-52079	5.5" x 20"	15' to 20'
112-62354	112-62353	112-62347	112-62379	6.5" x 22"	20' to 25'
112-82654	112-82653	112-82647	112-82679	8.5" x 27"	25' to 35'

Taylor Made® True Color™
The Next Generation of Color

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www.taylormadeproducts.com

THE GUARANTEE OF A LIFETIME!

Against Splitting or Bursting....If it fails we'll replace it!

You take a lot of pride in your boat, and part of that pride is its color scheme. Too often, the colors of your accessories just never seem to match up quite right with the boat's gelcoat, or with each other, leaving it with a variety of mis-matched colors at the dock.

That's why Taylor Made is introducing True Color™. Our team of engineers has spent countless hours creating color mixes for our fenders and accessories to closely match the most popular colors used in OEM's gelcoats and trim.
So, when choosing a brand to outfit your boat, choose Taylor Made®...the only marine accessory company with true colors.

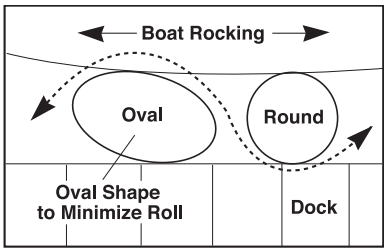
#1 SELLING FENDERS!

True Color™
The Next Generation of Color

HULL GARD® INFLATABLE VINYL FENDERS

- Unique oval shape prevents rolling
- Molded in football needle style valve is integrally molded into the fender, not glued like the competition.
- Seamless one piece construction
- High gloss finish
- Guaranteed for the life of your boat!

The Guarantee of a Lifetime!
Against Splitting or Bursting....If it fails we'll replace it!



White Order No.	Mid Atlantic Blue Order No.	Cranberry Order No.	Hunter Green Order No.	Navy Order No.	Black Onyx Order No.	D x L Size	Boat Size
101-10210	104-41021					4.5" x 16"	10' to 15'
101-10220	104-41022	105-31022	105-41022	105-71022	103-31722	5.5" x 20"	15' to 20'
101-10230	104-41023	105-31023	105-41023	105-71023	103-31723	6.5" x 23"	20' to 25'
101-10280		105-31028	105-41028	105-71028		8.5" x 27"	25' to 35'
101-10240						10.5" x 30"	35' to 50'

STORM GARD™ FENDERS

Taylor Made Products introduces fender pearlescent color technology.
Storm Gard™ fenders are in a class of their own, and feature all the same great qualities and Life Time Guarantee as the standard Hull Gard®, Super Gard™ and Big B™ fenders.

True Color™
The Next Generation of Color

- Integrated color agents provide added luster in sunlight.
- Rubber football needle valve for easy inflation and long life.
- Color matches depth of gelcoats on most boats.
- Valve seats are integrally molded into the fender, not glued in like the competition.
- PATENTED DESIGN Pearlescent color process provides deeper richer colors.
- Reinforced molded-in eyelets
- Made in the USA

The ULTIMATE Finishing Touch to Your Boat!

The Guarantee of a Lifetime!
Against Splitting or Bursting....If it fails we'll replace it!

White Order No.	Mid Atlantic Blue Order No.	Black Onyx Order No.	Silver Mist Order No.	Burgundy Order No.	Emerald Green Order No.	Captain's Navy Order No.	Aurora Gold Order No.	D x L Size	Boat Size
112-52000	112-52004	112-52007	112-52047	112-52053	112-52054	112-52057	112-52079	5.5" x 20"	15' to 20'
112-62300	112-62304	112-62307	112-62347	112-62353	112-62354	112-62357	112-62379	6.5" x 22"	20' to 25'
112-82600	112-82604	112-82607	112-82647	112-82653	112-82654	112-82657	112-82679	8.5" x 27"	25' to 35'

Recommended inflation is 2 psi.
**** The most accurate way to select the right fender for your boat is to survey your docking area to find out what fender is in use for the same size and weight as your boat, in terms of fender dimensions and quantities, and use that as a guideline***

For more information see: www.taylormadeproducts.com

BIG B™ INFLATABLE CRT™ VINYL FENDERS

- Center Rope Tube™ allows for end-to-end line passage
- Can be hung vertically or horizontally with a single line
- Molded in football needle style valve is integrally molded into the fender, not glued like the competition.
- Seamless one piece construction
- High gloss finish
- Made in the USA

The Guarantee of a Lifetime! Against Splitting or Bursting... If it fails we'll replace it!

Marine grade vinyl lasts years in the sun!

White Order No.	Mid Atlantic Blue Order No.	Cranberry Order No.	Hunter Green Order No.	Navy Order No.	Black Onyx Order No.	Aurora Gold Order No.	D x L Size	Boat Size
111-10250	111-41025	105-31025	105-41025	105-71025	111-71025	106-01025	6" x 15"	20' to 25'
111-10260	111-41026	105-31026	105-41026	105-71026	111-71026	106-01026	8" x 20"	25' to 35'
111-10320	111-41032	105-31032	105-41032	105-71032	111-71032	106-01032	10" x 26"	35' to 50'
111-10340	111-41034			105-71034	111-71034		12" x 34"	50' to 60'

BOATGUARD™ TWIN EYE INFLATABLE FENDER WITH FENDER LINE - 2 PACK

- Tough UV marine vinyl
- Ribs minimize rolling
- Needle inflation valve
- 6 ft. floating fender line included (black)
- Made in the USA
- 2 Pack

NEW!

ORDER NO.	Mfr No.	Description
113-10132P	310132P	4" x 16", 2 Pk, White
113-10152P	310152P	5" x 18", 2 Pk, White
113-10162P	310162P	6" x 22", 2 Pk, White
113-10152BP	31015B2P	5" x 18", 2 Pk, Black
113-10162BP	31015B2P	6" x 22", 2 Pk, Black

For more information see: www.taylormadeproducts.com

PONTOON FENDERS

These unique fenders offer a level of protection to areas on the Pontoon boat other fenders can't provide. The Pontoon Fender is specifically designed to fit snugly between the pontoon and the deck of the boat, protecting both from rafting boats, docks, or other objects. All pontoon fenders are made from our own marine-grade, U.V. resistant vinyl and have an integrated rubber football style valve for easy inflation.

- Molded in ridge hooks underneath pontoon deck to help secure fender in place
- Optional securing points to accommodate most styles of pontoon boats
- Contoured shape helps to hug the rounded shape of the pontoons
- Measures 9" wide x 16" Long

ORDER NO.	Description
666-31030	Pontoon Fender, White
666-31035	Pontoon Fender, Silver

PONTOON FENCE SAVER

The Fence Saver secures to the fence or railing and is designed to prevent contact to the delicate aluminum fencing. The fence saver is especially effective preventing those nasty dings that occur when rafting a pontoon boat to a conventional hull boat.

ORDER NO.	Description
666-31032	Fence Saver, 9" x 36"

PONTOON CORNER BUMPERS

The pontoon corner bumpers comes shaped to mount on either a radius style or 90˚ pontoon corners. Bumper mount over the original factory installed aluminum corner section to provide air-cushioning impact protection when docking. Special silver PVC formulated to match the aluminum color of the boat and secures with stainless fasteners. Each measures 3"Wide x 12"Long.

ORDER NO.	Description
666-31038	Silver/Corner Bumper

For more information see: www.taylormadeproducts.com

DOCK EDGE

'TOON FENDER

- It is a complete system - There is no need to buy extra attachment devices or rope.
- No need to remove - double hook attachment will keep the fender from rolling around or popping up, there is no need to store the fender.
- Over 36" long, adjusts from 17" to 34" attachment. Protects from above the top railing to 4 to 5 inches below the floor trim, or can be adjusted to protect the pontoons themselves.
- Protects below the waterline. This is the only fender that can protect below the water line and does not float up like typical round fenders would.
- Boat covers can be installed normally, fitting in behind the fender.
- Thin top stainless steel hook allows it to be attached between cushion upholstery - impossible with a typical rope attachment.
- Promotional DVD available
- Molded in UV inhibitors and fungicides

440-53131	TOON FENDER, Cream, 36"
440-53134	TOON FENDER, Beige, 36"
440-53135	TOON FENDER, Grey, 36"
440-53136	TOON FENDER, Black, 36"

For more information see www.dockedge.com

TRANSOM FENDER

Uniquely shaped to fit the stern of a sailboat or the edge of most swim platforms up to 4" thick. An integral 3/4" diameter tube allows a securing line to pass from end to end while a contoured shape helps 'grip' the fendering location.
Made from soft, flexible vinyl. Rubber football inflation valve to adjust the level of firmness to satisfy all applications.
Made in the USA.
Size: 10" x 22"
ORDER NO. 111-56090 Mfr. No. 56090

LOW FREEBOARD FENDERS

The first boat fender to address the needs of low freeboard boats. Shaped to protect the gunwales and rubrail, the Low Freeboard fender offers superior protection compared to regular fenders against high docks. Low Freeboard Fenders can be tied over the cleat to position it higher on the boat, putting protection where it is needed. Made from specially formulated tough marine grade vinyl and features an inflation valve for air pressure adjustment.
Made in the USA.

IMPROVED DESIGN

ORDER NO.	Mfr. No.	Color	Size
111-31005	31005	White	5" x 14"
111-31006	31006	Metallic Black	5" x 14"

TRADITIONAL FENDER BOOTS

- Knit fabric hugs the fender for a close fit.
- Smooth polyester fabric resists picking up dirt and grit.
- Neoprene sewn into the hem keeps the boot on your fender.
- Sold in pairs.

NAVY ORDER NO.	BLACK ORDER NO.	FITS FENDER SIZE
105-50020	105-50420	6" x 15" & 6-1/2" x 23"
105-50030	105-50430	8" x 20" & 8-1/2" x 27"
105-50040	105-50440	10" x 26" & 10-1/2" x 30"

FLEECE FENDER BOOTS

Finally a fender cover specially designed to fit CRT™ (Centre Rope Tube) style fenders.
These will provide your boat with the ultimate in hull protection. No marring or colour transfer to your boat. Constructed from 12 ounce Blizzard Fleece, these 100% polyester fender boots come with a reinforced grommetted top with an adjustable tie on the opposite end for a snug fit.

NAVY ORDER NO.	BLACK ORDER NO.	FITS FENDER SIZE
111-90350	111-90310	8" x 20"
111-90360	111-90330	10" x 26"

PREMIUM FENDER COVERS

- Made from 100% Premium Polyester knit fabric looks great and lasts season after season
- Constructed to fit most fender styles and sizes
  Refer to sizing chart to choose the right cover for your fenders
- UV Protected, abrasion and mildew resistant to hold up in the harsh marine environment
- These heavy weight fender covers protect your hull's finish and help to prolong the life of your fenders
- With proper cleaning your fender covers will last for many seasons
  Washable in cold water and mild detergent
- Sold individually

New Longer Lasting Fabric!

NAVY ORDER NO.	BLACK ORDER NO.	FITS FENDER SIZE Hull Gard®	Super Gard™	Big B™
111-92050-N	111-92050-R	8-1/2" x 27"	8-1/2" x 26"	8" x 20"
111-92060-N	111-92060-R	10-1/2" x 30"	10-1/2" x 30"	10" x 26"
111-92070-N	111-92070-R	-	-	12" x 34"

For more information see: www.taylormadeproducts.com

FENDER COVERS

NEW!

EFC SERIES FEATURES:
- Hand-crafted with heavy duty polyester fabric for durability
- Sun resistant, abrasion resistant and water resistant
- Washable
- Custom fit for a tailored look
- A tough 1 / 4" line drawstring closure, an upgrade from the brittle elastic you find on many fender covers
- Quick and easy installation
- Limited three year warranty

NAVY BLUE	BLACK	FITS FENDER SERIES
ORDER NO.	ORDER NO.	
201-10002	201-10001	G4 & HTM-1 Series
201-20002	201-20001	G5 & HTM-2 Series
201-30002	201-30001	HTM-3 Series
201-40002	201-40001	HTM-4 Series

WATER SKI SLALOM BUOY

WS SERIES

- Meets official American Waterski Association specifications for record capability tournaments
- Multiple colours to mark both ski and boat courses
- High quality PVC construction
- Durable ropehold

ORDER NO.	Mfr. No.	Diameter	Length	Eye Dia.	Case Qty
200-00001	WS-1 RED	8"	8.5"	0.375"	60
200-00002	WS-1 YELLOW	8"	8.5"	0.375"	60
200-00003	WS-1 GREEN	8"	8.5"	0.375"	60

Sold by each

* Maximum inflation pressure is 2 psi, over-inflation voids warranty

For more information see: www.polyformus.com

WATER SKI 9" MARKER BUOYS

Made from PVC these lightweight but durable inflatable buoys will mark your slalom course in accordance with the AWSA specifications (American Water Ski Association). Each buoy has a molded-in-loop to fasten anchor line and contains an inflation valve for air pressure adjustment. Colour: Red

ORDER NO. 101-00164 Mfr. No. 164

For more information see: www.taylormadeproducts.com

20" DIAMETER BUOYS

- Perfect for marking anchors, moorings, hazards, and swimming areas
- Use to set up personal watercraft or sailboat courses

ORDER NO. 737-00201 Mfr. No. B-20R (Red)

ORDER NO. 737-00202 Mfr. No. B-20Y (Yellow)

For more information see: www.airhead.com

HARD SHELL, FOAMED MOORING BUOY 24" - WHITE

Molded white polyethylene and filled with closed cellular foam for long life under the most extreme marine conditions.
Resistant to fire, oil and gas. Molded in UV inhibitors and fungicides.
Use with Chain Collar 99-030-F and/or 90-032-F

Warning: Never tie mooring lines to the top eyelet of the buoy or swivel eyelet. Always attach mooring lines to the anchor chain swivel beneath the buoy.

ORDER NO. 440-90025
Mfr. No. DE90025F

Buoyancy: 80 lbs. (36kg)

The Guarantee of a Lifetime!
Against Splitting or Bursting...If it fails we'll replace it!

TRADITIONAL SUR-MOOR™ MOORING BUOYS

- Thick one piece outer shell molded of high density polyethylene filled with solid closed-cell foam.
- Puncture Proof and virtually indestructible.
- Fittings, swivels and rings are hot dipped galvanized steel for added years of service.
- Hardware included

WARNING: Mooring lines must never be tied to the top loop. Mooring lines should always be attached to the anchor chain.

Traditional

ORDER NO.	Diameter	Circumference	Approx. Buoyancy† (lbs.)
102-21700	12"	38"	30
102-22171	15"	47"	60
102-21720	18"	57"	100
102-22174	24"	75"	240

SUR-MOOR™ T3C™ MOORING BUOY

- Sur-Moor™ hard skin mooring buoys have a seamless and tough, one-piece polyethlene shell.
- Feature ultraviolet light absorbers
- Sandblasted finish allowing the buoy to be easily painted for identification
- Filled with closed cell foam to positively displace water
- Tube-through-the-centre design with blue reflective striping
- Flanged collar made from rigid PVC tubing
- Hardware not included

ORDER NO.	Diameter	Tube Diameter	Buoy Circumference	Approx. Buoyancy† (lbs.)
111-46370	2"	12"	38"	30
111-46371	2"	15"	47"	60
111-46372	2-1/2"	18"	57"	100
111-46374	2-1/2"	24"	75"	240

† BUOYANCY RATING: The number indicated is the maximum flotation the buoy provides while fully submerged. 50% of this value will be the weight the buoy can support at the level of the stripe. **Blue Stripe is Reflective for Nighttime Visibility.**

T3C™ MOORING COLLAR

Hot-dip galvanized steel collar protects your T3C buoy from anchor chain wear, prolonging the life of the buoy. Designed to work in combination with standard shackles. Mooring collars are sized to slip into the top of 2" or 2-1/2" tube diameters.

ORDER NO.	Mfr. No.	Tube Diameter	Fits T3C™ Mooring Buoy
666-33025	33025	2-1/2"	

SUR-MARK™ MARKER BUOYS

ORDER NO.	Ht.	Col. Dia.	Large Ring Dia.	Buoyancy† (lbs)	Visible Ht. Above Waterline
104-46104	49"	10"	18"	40	39"

Three-year flotation warranty on all hard skin buoys

- Molded from tough UV protected polyethylene.
- One-piece seamless construction.
- Internal concrete ballast.
- Recessed galvanized eye.
- Stand upright for easy storage.
- Colour labels sold separately.

Three-year flotation warranty on all hard skin buoys*

For more information see: www.taylormadeproducts.com

SUR-MARK™ BUOY LABELS

- Fade resistant, self-adhesive vinyl marker labels.
- Brightly colored for high visibility.
- Two labels required per buoy (sold in pairs).
- Each label is 13" wide x 24" long to fit your Sur-Mark™ Buoy.
- All labels are warranted for 5 years against weathering or fading.

ORDER NO. 104-46180

ORDER NO. 104-46181

ORDER NO. 104-46185

TUFF END™ BUOYS

- Heavy duty seamless construction.
- Ends are reinforced and tested to 2000 psi tensile strength, the strongest in the industry!
- Large line holes accept standard shackles.
- Trivalve™ for easy inflation with needle or compressor.
- High Gloss Finish.
- Guaranteed for the life of your boat!
- Made in the USA.

Great for Larger Boats and Rafting!

White ORDER NO.	Orange ORDER NO.	Diameter	Circumference	Line Hole	Buoyancy† (lbs)
112-11430	111-11430	12"	38"	1-1/16"	33
112-11460	111-11460	15"	47"	1-1/2"	65
112-11490	111-11490	18"	57"	1-1/2"	112
112-11520	111-11520	21"	66"	1-1/2"	180
112-11550	111-11550	27"	85"	1-1/2"	375

NOTE:The orange is a high visibility colour that exceeds red or yellow in visibility at a distance.
Three-year flotation warranty on all hard skin buoys

For more information see: www.taylormadeproducts.com

DOCK EDGE®

INFLATABLE MOORING BUOYS

- Heavy Duty seamless construction
- Strongest rope eye in the industry
- Superior valve design conveniently located in the rope eye
- Great for boats of all sizes
- High Gloss finish
- Available in Bright Orange or White for high visibility
- Lifetime Warranty

ORDER NO.	Mfr. No.	Description
440-95610	DE95610F	Buoy, 10" Orange
440-95612	DE95612F	Buoy, 12" Orange
440-95615	DE95615F	Buoy, 15" Orange
440-95618	DE95618F	Buoy, 18" Orange
440-95710	DE95710F	Buoy, 10" White
440-95712	DE95712F	Buoy, 12" White
440-95715	DE95715F	Buoy, 15" White
440-95718	DE95718F	Buoy, 18" White

For more information see: www.dockedge.com

Polyform U.S.

A SERIES

The original one-piece construction buoy – made the original way

The #1 buoy in the world

FEATURES:

- Even wall thickness for maximum strength and durability
- Polyform's unique vinyl valve system
- Dual valve inflation/deflation system for sizes A-5, A-6 and A-7. (Special Order)
- Excellent choice for a rafting fender
- Offered in brilliant high-visibility colours

ORDER NO.	Mfr. No.	Diameter	Colour	Length	Eye Diameter
RED					
200-90010-0	A-0 RED	Buoy, 8"	Red / Navy Blue Top	11.5"	0.6"
200-90010-1	A-1 RED	Buoy, 11"	Red / Navy Blue Top	15"	1.0"
200-90010-2	A-2 RED	Buoy, 14.5"	Red / Navy Blue Top	19.5"	1.125"
200-90010-3	A-3 RED	Buoy, 17"	Red / Navy Blue Top	23"	1.125"
200-90010-4	A-4 RED	Buoy, 20.5"	Red / Black Top	27"	1.125"
WHITE					
200-90020-0	A-0 WHITE	Buoy, 8"	White / Navy Blue Top	11.5"	0.6"
200-90020-1	A-1 WHITE	Buoy, 11"	White / Navy Blue Top	15"	1.0"
200-90020-2	A-2 WHITE	Buoy, 14.5"	White / Navy Blue Top	19.5"	1.125"
200-90020-3	A-3 WHITE	Buoy, 17"	White / Navy Blue Top	23"	1.125"
200-90020-4	A-4 WHITE	Buoy, 20.5"	White / Black Top	27"	1.125"

* Maximum inflation pressure is 2 psi, over-inflation voids warranty

For more information see: www.polyformus.com

SPECIALTY FENDERS

HULL HUGR® FLAT FENDERS

- Constructed of durable marine grade tri-laminate with a polycarbonate grommet at each end
- Hang them vertically or horizontally
- Easily stows under a seat or in a side compartment
- Stays put unlike round fenders, that tend to roll up from contact with the dock, leaving your boat unprotected
- Great for mounting to docks and posts too!
- Size: 26" long x 2-1/2" thick

AIRHEAD

HULL HUGR™

ORDER NO.	Mfr. No.	Colour
737-12001	HH-1	Blue
737-12002	HH-1B	Black
737-12003	HH-1W	White

HULL HUGR® CONTOUR FENDERS

- Constructed of durable rip proof tri-laminate cover, with enclosed cell foam inside, and durable polycarbonate grommets
- They hinge to wrap around the gunwale and hull, following the contours of the boat
- Easily stows under a seat or in a side compartment
- Stays put unlike round fenders, that tend to roll up from contact with the dock, leaving your boat unprotected
- Size: 24" long x 2-1/2" thick

HULL HUGR™

ORDER NO.	Mfr. No.	Colour
737-12004	HH-1C	Blue
737-12005	HH-1CB	Black
737-12006	HH-1CW	White

HULL HUGR® ROLL UP FENDERS

HULL HUGR™

Traditional round fenders roll up, leaving boats unprotected and are bulky to stow.
HULL HUGR® to the rescue! When boats rock, HULL HUGR® stays put.
The innovative Roll Up Fender protects boats better than 6 traditional fenders. The ingenious patented design enables you to fold it up to a very compact size that is easy to stow, or can be used as a cushion. HULL HUGR® is constructed of UV and puncture resistant marine grade vinyl/polyester tri-laminate with six blocks of durable closed-cell foam sealed inside. There are 2 sizes available (medium & large) to fit every boat, dock, & slip. For higher profile boats including cruisers, performance boats, pontoons, deck boats, sailing yachts & houseboats. Great for tall docks

ORDER NO.	Mfr. No.	Description	Colour
737-16068	HH-M	Medium - 7-1/2'L x 22" H (6 foam bumpers - 20" x 6" x 2") ***Folds to only 22" x 15" x 4"***	Blue
737-16075	HH-L	Large - 9'L x 26" H (6 foam bumpers - 24" x 6" x 2-1/2") ***Folds to only 26" x 18" x 6"***	Blue

HULL HUGR™

PWC FENDER

- Hinges in the center to better protect PWC's body from docks designed for bigger boats
- Hooks under rub rail
- Recommend 2 fenders per PWC

ORDER NO.	Mfr. No.	Color
737-21154	HH-P1B	Black

For more information see: www.airhead.com

Taylor Made

PWC FENDER

Designed to custom fit the profile of most PWCs

- Bottom is shaped to "hook" under the bond flange for quick attachment
- Features an inflation valve for air pressure adjustment
- Includes a suction cup and securing line
- Made in the USA

ORDER NO.	Mfr. No.	Color
111-10690	1069	White

For more information see: www.taylormadeproducts.com

STAINLESS STEEL FENDER RACKS

- Cross reinforced for extra strength
- High Gloss 316 stainless steel
- Moveable "J" hooks mount on 7/8" rails and stanchion
- Completely pre-assembled
- Tightens to accomodate any angle
- Holds any style fender
- Folds flat for easy storage

2 Fender Units ORDER NO.	3 Fender Units ORDER NO.	FENDER DIAMETER
111-20090	111-30090	7" to 9"
111-20110	111-30110	9" to 11"

OVERSIZED "J" HOOKS

- Fits all standard 1" or 1-1/2" railings for **Taylor Made** stainless steel fender racks
- Sold in single packs

ORDER NO. 111-32191 Mfr. No. 32191

BIG B™ FENDER HANGER

Designed for use on Taylor Made fenders with 3/4" I.D. tubing. Maybe used on other brands; but due to variation among brands the consumer must verify a tight enough fit between the tube and product for proper function (centre tube must be small enough to keep the product halves firmly together)

- Injection molded reinforced nylon for strength
- Vented to prevent water accumulating in fender tube
- Fits 3/8" diameter rope
- Professional finished look

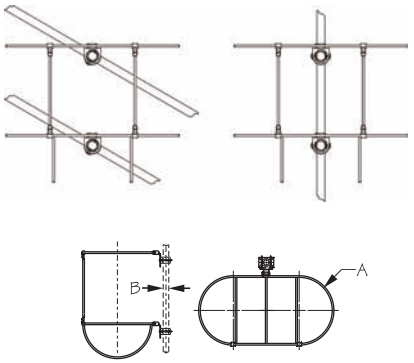
ORDER NO.	Mfr. No.	Description
666-10850	1085	Big B™ Fender Hanger (3 pack)
666-11085	11085	Big B™ Fender Hanger Display (36 Pieces)

For more information see: www.taylormadeproducts.com

RAIL MOUNT DUAL FENDER HOLDER

Formed 304 Stainless

SEADOG LINE QUALITY MARINE GEAR



ORDER NO.	Mfr. No.	A	B	C
423-27359	327359-1	9-1/2"	7/8" - 1"	11/16"

Fender holders adjust to angle of railing and fold down when not in use.

For more information see: www.sea-dog.com

DAVIS® FENDERFRIEND™

FenderFriend is a fender whip, hanger and adjuster – all in one! Features Shockles® built-in shock absorber to reduce shock loads generated by fenders grinding against the hull and the dock or piling. No more torn fender eyes or bent stanchions and rails!

- Allows anyone to quickly and easily set the fenders
- Stretches when fenders get pinched between the hull and dock
- Minimizes loads on stanchions, lifelines, rails, cleats
- Attaches almost anywhere: lifelines, stanchions, winches, cleats, grab rails, workboat rails, toe rails, pulpits
- UV resistant strap adjusts from 16" to 72" (0.4-1.8 m)
- Sturdy, marine grade Nexus® nylon buckle makes attaching fenders a snap
- Choose from twin-eye or center-tube models
- Made of black, UV resistant webbing with Nexus® nylon buckle

For more information see: www.davisinstruments.com

510-02455
Center-Tube

510-02450
Twin-Eye

ORDER NO.	Mfr. No.	Description
510-02450	2450	Twin-Eye, Black
510-02455	2455	Center-Tube, Black

FENDER ADJUSTERS/CABLE-LINE HANG UPS

ORDER NO.	Mfr. No.	Colour
111-01010	FA1-101	White
114-01110	FA1-111	Sand
111-01300	FA1-300	Flat Red
111-02160	FA1-216	Blue
111-02170	FA1-217	Navy
111-02210	FA1-221	Black
111-02270	FA1-227	Teal
111-02280	FA1-228	Forest Green
111-02360	FA1-236	Burgundy

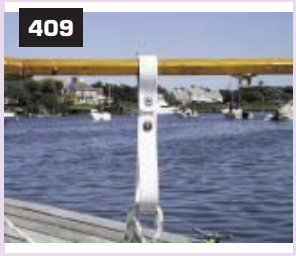
AUTOMATIC FENDER ADJUSTER

The automatic Fender Adjuster makes placing fenders a breeze! Eliminates tying and untying fender lines. No more tangled knots! Instant self locking action works automatically to raise and lower the fender and hold it securely in place. Snaps around rails and life-lines in seconds. Both models handle up to 1/2" diameter line. Vinyl strap with all stainless hardware.

FA1
FOR USE WITH WOODEN RAILS

ORDER NO.	Mfr. No.	Colour
114-08101	408-101	White
114-08216	408-216	Blue
114-08217	408-217	Navy
114-08221	408-221	Black
114-08228	408-228	Forest Green
114-08236	408-236	Burgundy

408
FOR USE WITH LIFE LINES AND PIPE RAILS UP TO 1" IN DIAMETER



ORDER NO.	Mfr. No.	Colour
114-09101	409-101	White

409 MULTI - PURPOSE HANG-UP - PIPE RAILS

For use with Life Lines and Pipe Rails up to 1" in diameter

ORDER NO.	Mfr. No.	Colour
114-10101	410-101	White
114-10216	410-216	Blue
114-10221	410-221	Black

410 MULTI - PURPOSE HANG-UP - WOODEN RAILS

Durable vinyl strap is large enough and strong enough to hold a 20" life ring secure, from a hose to a shore power cord, this strap will get the job done.

ORDER NO.	Mfr. No.	Colour
114-01101	401-101	White

401 BASIC HANG-UP

Holds line (up to 45' of 3/4" line or 75' of l/2"), cable, extension cord, etc.

ORDER NO.	Mfr. No.	Colour
114-75101	475 -101	White

475 CABLE LINE HANG-UP

Excellent for use with shore lines. These handy devices are a snap to use with boats that have wooden rails or wire life lines. Can also be used to coil line, water hoses, telephone line, etc.

For more information see www.nhsmarine.com

DOCK EDGE INC.

KWIK-ADJUST FENDER LINE ADJUSTER

Tough and durable PVC mounting strap snaps over railings, lifelines or stanchions. Allows fender lines to be adjusted to length in a matter of seconds. 1 per pack.

ORDER NO.	Mfr. No.	Description
440-91531	DE91531F	White
440-91536	DE91536F	Black

For more information see www.dockedge.com

TIDY-UP FENDER ADJUSTER

Quick and simple. These fender adjusters simply snap over your lifelines or railing and are ready to use. Holds line up to 5/8" in diameter.

ORDER NO.	Mfr. No.	Colour/Rail Size
111-10150	1015	White (STD)
111-10160	1016	Black (STD)
111-10180	1018	White (LG)

HAND PUMP WITH HOSE ADAPTER

Compact hand pump for filling fenders, rafts, etc.

ORDER NO. 101-10050
Mfr. No. 1005

AIRHEAD

NO-SLIP™ FENDER STRAPS

No more tying and untying knots!

- No Slip pads sewn to the underside of the straps minimize sliding along rails
- Easily adjust the length in seconds from 6" to 40" to fit most boats & docking situations
- Attach to rails and cleats securely

ORDER NO. 737-19786
Mfr. No. SF-2

For more information see: www.airhead.com

PONTOON RAIL FENDER ADJUSTER

Designed specifically for the 1" square tube rails of Pontoon Boats. The mounting structure clamps securely to square tubing yet can be repositioned quickly and easily. Constructed from durable ABS plastic this fender adjuster allows for simple height adjustment for lines up to 3/8".

ORDER NO.	Mfr. No.	Description
666-11390	1139	Pontoon Rail Fender Adjuster (4 pack)
666-11391	11391	Pontoon Display Rack (36 Pieces)

For more information see: www.taylormadeproducts.com

QUICK DRAW™ FENDER ADJUSTER

NEW!

- Tightly holds to bow rails, grabs rails, lifelines, cleats, and more
- Stainless steel screws and internal spring
- Instantly adjust the height of your fender with a push of a button
- Can be used together to horizontally hang a Big B™, Storm Gard®, or Hull-Gard® fender
- Fits 1/4" to 1/2" fender lines

ORDER NO. 111-10920
Mfr. No. 1092

DOCK EDGE

KWIK ADJUST FENDER LOK™

Ratcheted strap allows quick, easy attaching. Simply squeeze tabs to release fender for storage. One finger height adjuster allows quick adjustment from 4"– 24". 1/Pk

ORDER NO. 440-91500
Mfr. No. DE91500F

For more information see: www.dockedge.com

TH MARINE

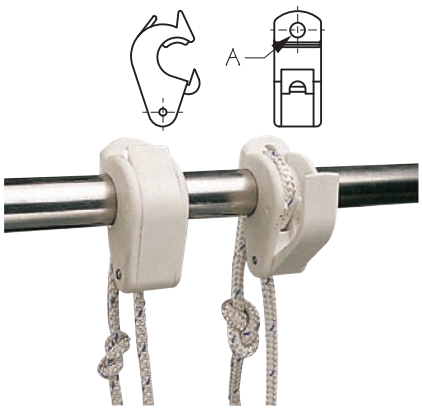
PONTOON ADJUSTABLE FENDER HANGER CLIPS

- Easily snaps onto pontoon rails.
- Convenient way to attach docking fenders
- Stylish grey composite material

ORDER NO.	Mfr. No.
205-86409	PFAC-1-DP

For more information see: www.thmarine.com

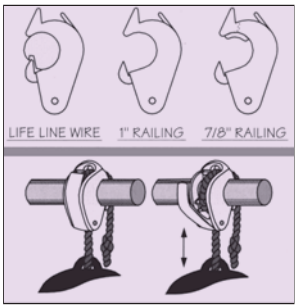
SEA-DOG LINE
QUALITY MARINE GEAR



FENDER MATE

Injection Molded Nylon

The latest in fender brackets made of marine grade reinforced nylon. Clamps securely onto both 7/8" and 1" round tubing and 3/16" and 1/4" life line wire. Unique double locking action locks clamp onto rail or wire and still allows full adjustment of the fender. When the proper height is reached, the final locking action clamps the rope quickly and securely.



ORDER NO.	Mfr. No.	A (Line size)
423-27200	327200-1	1/4" - 5/16"

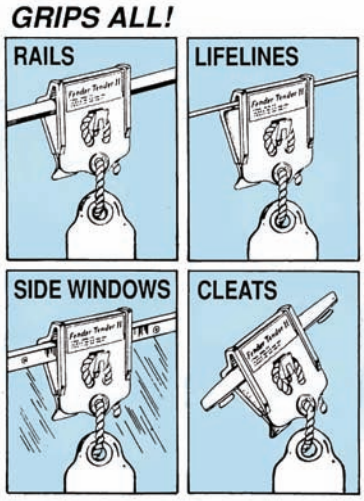
For more information see: see www.sea-dog.com

DAVIS®

FENDER TENDER II™

Use this Davis accessory to clip your fenders to rails, lifelines, side wing windows or cleats.
Fender Tender II® simplifies the handling and relocation of boat fenders. The "Railing Lock" firmly grasps rails from 7/8" to 1" (22mm to 25mm) diameter. New "Lifeline Lock" provides added safety. Use 1/4" to 3/8" (6mm to 9mm) diameter nylon line. Made of tough, sun-resistant plastic for many years of use. Helps tidy up your boat. Don't dock without it!

- **Easy on, Easy off**
- **Easy to adjust**
- **No knots!**
- **Strong material**



ORDER NO. 510-00393 Mfr. No. 393

For more information see: www.davisinstruments.com

DOCK EDGE®

MOORING SNUBBERS

For Secure and Cushioned Mooring. Ideal for both motor and sailing boats.
The forces the line is exposed to, are taken up by the elongation of the mooring snubber, reducing the shock load on the line as well as the boat's hardware.

ORDER NO.	
440-90302	For line sizes 3/8" - 7/16" & craft up to 20 Ft.
440-90304	For line sizes 7/16" - 5/8" & craft up to 26 Ft.
440-90306	For line sizes 9/16" - 3/4" & craft up to 40 Ft.

For more information see: www.dockedge.com

FALCON

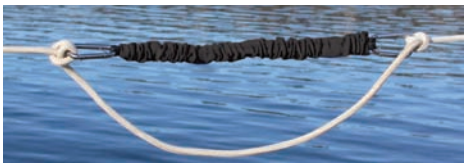
LINE MASTER MOORING SNUBBERS

Falcon Line Master Mooring Snubbers stretch to more than twice their length, if necessary, to absorb shock loads and protects boats, cleats and lines from the strain of winds and waves. Highly resilient EPDM rubber is resistant to sunlight, salt water and ozone. It never discolors or damages a boat. Unique, injection molded nylon locking system provides 100% safe and secure locking of the line with no hardware required. The harder the line is pulled, the tighter the grip. No slipping ever. Easy to fit-variable resilience. Keeps boats stable when moored-ideal for overnight trips. Unprecedented 5 year replacement warranty.

ORDER NO.	Mfr. No.	Description
466-00001	LLM1	Line Master No.1 (3/8" Line)
466-00002	LLM2	Line Master No.2 (5/8" Line)
466-00003	LLM3	Line Master No.3 (3/4" Line)
466-00004	LLM4	Line Master No.4 (1" Line)

For more information see: www.falconsafety.com

DAVIS®



SHOCKLES® LINESNUBBER™

Minimizes stress on ALL lines – for use on any boat!

LineSnubber features a patented stretch limiter and progressive tension design to safely and effectively reduce shock loads.
Two 316 stainless steel carabiners offer simple and secure attachment. Adjust or remove in seconds. One size fits all – tie a simple clove hitch in line up to 3/4" (19mm) diameter. Use two LineSnubbers side-by-side on very large boats. Progressive tension means the further LineSnubber stretches, the greater its return force. The result is smooth action and moderated stress. The patented internal line limiter is made from 2500 pound test (1140 kg.) nylon webbing. LineSnubber's outer sheath is 3500 pound test (1590 kg) tubular nylon webbing that is UV resistant to protect the internal parts.

ORDER NO.	Mfr. No.	Description
510-02410	2410	Black, 20" (51 cm)

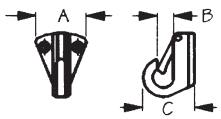
For more information see: www.davisinstruments.com

SEA-DOG LINE QUALITY MARINE GEAR

FENDER HOOK

Sand Cast Brass Chrome Plated.

ORDER NO.	Mfr. No.	A	B	C	Fast.	Fits
426-72510	672510-1	1-5/16"	5/16"	1"	#8 FH	1/8" Line
426-72520	672520-1	1-1/4"	7/16"	1-5/16"	#8 FH	3/8" Line



For more information see www.sea-dog.com

FENDER CLEATS

Plastic - No sharp edges to catch or cut.
ORDER NO. 032-70010. Black. 6 per package.
ORDER NO. 032-70020. White. 6 per package.

COAMING SLIDE

ORDER NO. 032-70040
Black. 2 per package with screws.

STERN SLIDE

No moving parts to jam rope.
ORDER NO. 032-70030
Black. 2 per package with screws.

FENDER LOCK

PERKO MADE IN THE USA

Chrome plated zinc.
The eye is to be permanently attached to the fender line.
I.D. Eye: 3/8" / O.D. Flange: 1-1/2" / Screw Size: # 8.

Fender Lock
Mfr. No.1299DP0CHR
ORDER NO. 621-12990 2pc./card

Spare Eye
Mfr. No. 1299 DP099A
ORDER NO. 621-12999-2 2pc./card

621- 12990

For more information see: www.perko.com

FENDER LOCK

Taylor Made

Stainless steel construction, adjustment peg, and fastening screws ensure many years of dependable service in the harsh marine environment. The "one-way" locking peg provides secure and reliable mounting and allows the use of up to 1/2" diameter rope.
Mounting hardware included.
Sold individually

NEW!

Mfr. No. 1001
ORDER NO. 666-10010 each

Mfr. No. 91010
ORDER NO. 666-91010 Display (48 piece)

QUICK RELEASE FENDER LOCK

TACO MARINE

Stainless Steel Type 316L High Polish

For dockside safety and convenience, TACO Marine's fender lock ensures secure, quickly stored fender lines. The Fender lock ensure that lines remain at the optimum length with the mounting pin attached. At the dock, you simply insert the pin into the fitting and your boat is protected, with the fenders in their ideal position.

Features and Benefits:

- Designed for simple single hand operation
- Will allow easy installation & removal of float style fenders
- Large push-button for comfortable operation
- Large hole diameter for rope
- 3-year limited warranty
- Overall height above deck: 1.60"
- Drain plug: 1/4" NPT

ORDER NO. 305-1601511 Mfr. No.F16-0151-1
ORDER NO. 305-160151 Mfr. No.F16-0151R-1

Receiver Only (Allows the Boater's the ability to quickly and easily place fenders in multiple places where they prefer).

For more information see: www.tacomarine.com

SPRING LOADED FENDER CLEAT

WHITECAP MARINE PRODUCTS

- Stainless steel
- Can be installed horizontally or vertically
- Holds fenders, when open and is only 5/8" high when closed.
- Requires (3) 3/16" fasteners
- Height" Open 1-1/4", Closed 5/8"
- Hole Size: 3/4" - Fits rope up to 1/2"

ORDER NO. 732-69700 Mfr. No.6970C

For more information see: www.whitecapmarineproducts.com

2 PIECE KEYED FENDER HOLDER - NYLON 2 PACK

TH MARINE

NEW!

- Easy to install
- Keyed feature to hold securely in place
- Easy moves from one side of the boat to the other using the same mounting plate

ORDER NO.	Mfr. No.	Colour
205-100112	QRFH-1-DP	Black
205-100105	QRFH-2-DP	White
205-100099	QRFH-7-DP	Grey

For more information see: www.thmarinesupplies.com

CLAMCLEATS FOR 1 - 6MM (1/32" - 1/4") ROPE

- (420-02030 & 420-02111) Mounts on flat or curved surfaces
- (420-02040 & 420-02130, 420-02140) Mounts on horizontal or vertical surfaces

ORDER NO.	Mfr. No.	Description	Material	A	B	C	Rope Size	Fastener Size
420-02030	002030-1	Junior,Black	Nylon	3-1/4"	2-5/8"	11/16"	1/8"-1/4"	#8 FH
420-02040	002040-1	Mini,Black	Nylon	2-1/16"	1-7/16"	5/8"	1/8"-1/4"	#8 FH
420-02111	002111-1	Racing Junior,Silver	Aluminum	3-1/4"	2-5/8"	11/16"	1/8"-1/4"	#10 FH
420-02130	002130-1	Fine Line (Starboard),Black	Nylon	2-3/4"	1-15/16"	13/16"	1/16"-3/16"	#8 FH
420-02140	002140-1	Fine Line (Port),Black	Nylon	2-3/4"	1-15/16"	13/16"	1/16"-3/16"	#8 FH

CLAMCLEAT FOR 4 - 8MM (5/32" - 5/16") ROPE

- The rope drops down into the teeth to give a quick, positive lock that is easy to release
- UV resistant
- Can be fixed to horizontal or vertical surfaces
- Can be fitted on dinghies and kayaks

ORDER NO.	Mfr. No.	Description	Material	A	B	C	Rope Size	Fastener Size
420-02090	002090-1	Midi,Black	Nylon	2-7/8"	2-1/8"	3/4"	5/32"-5/16"	#10 FH

CLAMCLEAT FOR 4 - 8MM (5/32" - 5/16") ROPE

- UV resistant
- The side fixing gives a short length, ideal on a narrow surface.
- Cleat is used to hold anchor lines on small fishing rafts and ropes in window frames

ORDER NO.	Mfr. No.	Description	Material	A	B	C	Rope Size	Fastener Size
420-02150	002150-1	Side-Fixing Midi,Black	Nylon	1-1/12"	1-1/8"	1-11/16"	5/32"-5/16"	#10 FH

CLAMCLEATS FOR 6 - 12MM (1/4" - 1/2") ROPE

- UV resistant
- Can be fixed to horizontal or vertical surfaces

ORDER NO.	Mfr. No.	Description	Material	A	B	C	Rope Size	Fastener Size
420-02010	002010-1	Vertical,Black	Nylon	3-3/4"	2-13/16"	1-1/8"	1/4"-1/2"	1/4 FH
420-02060	002060-1	Lateral (Starboard),Black	Nylon	3"	2"	1-15/16"	1/4"-3/8"	1/4 FH
420-02070	002070-1	Lateral (Port),Black	Nylon	3"	2"	1-15/16"	1/4"-3/8"	1/4 FH
420-02190	002190-1	Racing Vertical,Silver	Aluminum	3-9/16"	1-15/16"	2-13/16"	1/4"-1/2"	1/4 FH

CLAMCLEAT FOR 10 - 16MM (3/8" - 5/8") ROPE

The rope drops down into the teeth to give a quick, positive lock that is easy to release.

- UV resistant
- Can be fixed to horizontal or vertical surfaces

ORDER NO.	Mfr. No.	Description	Material	A	B	C	Rope Size	Fastener Size
420-02050	002050-1	Major,Black	Nylon	4-13/16"	3-3/4"	1-7/16"	3/8"-5/8"	5/16 FH

LINE-LOK® TENT CLEATS

Manufactured from a material that improves its performance the colder it gets, this cleat is the ideal choice for holding guylines in winter conditions.

The design locks the rope so it will not slip in windy conditions, yet is easy to release.

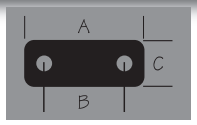
- Ideal for bimini tops, boat covers, tents gazebos, shelters, and radio masts and aerials etc.

ORDER NO.	Mfr. No.	Description	Material	A	B	C	Rope Size	Fastener Size
420-02600	002600-1	Line-Lok®, Black	Nylon	1-1/4"	NA	3/8"	1/16"-3/16"	NA
420-02603	002603-1	Line-Lok®, White	Nylon	1-1/4"	NA	3/8"	1/16"-3/16"	NA

POWER GRIP 1 CLEAT FOR 1 - 6 MM (1/32" - 1/4") ROPE

- For single handed use, allows you to pull twice the load
- No more sore hands

ORDER NO.	Mfr. No.	Description	Material	A	B	C	Rope Size	Fastener Size
420-02610	002610-1	Power Grip 1	Aluminum	3-3/4"	-	11/16"	1/8"-1/4"	NA



420-02030

420-02040

420-02111

420-02130

420-02140

420-02090

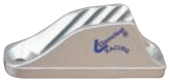
420-02150

420-02010

420-02060

420-02070

420-02190



420-02050

420-02600

420-02603

420-02610

TITAN MARINE PRODUCTS

G30 ISO PROOF COIL
General Purpose

ISO Proof Coil Chain is low carbon steel general purpose/anchor chain with an ISO short pitch link. Used in applications where high tensile strength is not required.
*Never exceed working load limit.
*Not for overhead lifting.

ORDER NO.	Description	Container
300-18751-250	G30 ISO HDG CHN 3/16" x 250'	Plastic Pail
300-18751-800	G30 ISO HDG CHN 3/16" x 800'	1/2 Drum
300-25100-141	G30 ISO HDG CHN 1/4" x 141'	Plastic Pail
300-25100-400	G30 ISO HDG CHN 1/4" x 400'	1/2 Drum
300-31251-092	G30 ISO HDG CHN 5/16" x 92'	Plastic Pail
300-31251-275	G30 ISO HDG CHN 5/16" x 275'	1/2 Drum
300-37500-063	G30 ISO HDG CHN 3/8" x 63'	Plastic Pail
300-37500-200	G30 ISO HDG CHN 3/8" x 200'	1/2 Drum

G43 ISO HIGH TEST CHAIN
Calibrated for Windlasses

ISO High Test Chain uses high tensile strength carbon steel that provides a greater strength-to-weight ratio than proof coil chain. ISO short pitch link which makes it more flexible and ideally suited as a windlass chain. Each link is proof tested and calibrated. Check manufacturer's specification prior to purchase

ORDER NO.	Description	Container
430-25100-400	G43 ISO HT CHN 1/4" x 400'	1/2 Drum
430-31250-275	G43 ISO HT CHN 5/16" x 275'	1/2 Drum
430-37500-200	G43 ISO HT CHN 3/8" x 200'	1/2 Drum

THREE STRAND ANCHOR RODE

ORDER NO.	Mfr. No.	Rope Length	Rope Dia.	Chain Length	Chain Dia.	Safe Working Load (lbs.)	Breaking Strength (lbs.)
105-17779	10517779	200'	1/2"	15'	1/4"	1501	7500
105-17781	10517781	300'	1/2"	20'	1/4"	1502	7500
105-17996	10517996	250'	9/16"	20'	5/16"	1760	8802
105-17999	10517999	300'	9/16"	20'	5/16"	1760	8803

For more information see: www.titanmarineproducts.com

KINGSTON

QUICKSET STAINLESS STEEL ANCHORS

NEW!

ORDER NO.	Mfr. No.	Boat Length	Anchor Weight	Length/ Width	Shackle	Nylon Rode	Chain Size	Chain Length
628-12028	QS-14 COMM	15'to 32'	14 lb.	27-1/4" x 10-3/4"	3/8"	1/2"	1/4"	min. 15'
628-12038**	QS-22 M	25'to 40'	22 lb.	26-1/4" x 12-3/8"	7/16"	1/2"	3/8"	min. 15'
628-12058	QS-22 COMM	25'to 40'	22 lb.	26-1/4" x 12-3/8"	7/16"	1/2"	3/8"	min. 15'
628-12068**	QS-35 M	35'to 55'	35 lb.	28-1/2" x 14-5/8"	7/16"	5/8"	3/8"	min. 20'
628-12088	QS-35 COMM	35'to 55'	35 lb.	28-1/2" x 14-5/8"	7/16"	5/8"	3/8"	min. 20'
628-12098**	QS-50 M	45'to 60'	50 lb.	32" x 15-1/2"	1/2"	3/4"	7/16"	min. 25'
628-12118**	QS-50 COMM	45'to 60'	50 lb.	32" x 15-1/2"	1/2"	3/4"	7/16"	min. 25'
628-12128**	QS-80 M	50'to 75'	80 lb.	39" x 18"	1/2"	3/4"	7/16"	min. 36'
628-12148**	QS-80 COMM	50'to 75'	80 lb.	39" x 18"	1/2"	3/4"	7/16"	min. 36'

M = Mirror Polish - Hand-buffed to a mirror finish. No-rust surface it is easy to maintain & always looks great.
COMM = Commercial Finish - Made using the same 100% US Stainless Steel as the Mirror. Economically priced anchor is sanded without adding cost of buffing & polishing.
***SPECIAL ORDER ONLY*

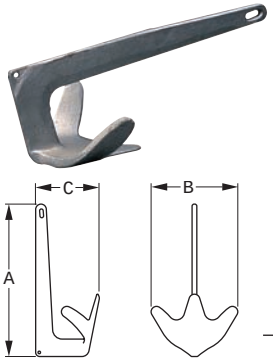
PANTHER™

WATERSPIKE ANCHOR

- Made of 1/4" plated steel
- Completely collapsible
- Unmatched holding power
- Incredibly light weight

ORDER NO.	Mfr. No.	Description
945-59200	55-9200	Up to 16' boat - 7 lbs.
945-59300	55-9300	Up to 22' boat - 10 lbs.
945-59400	55-9400	Up to 35' boat - 13 lbs.

For more information see: www.panthermarineproducts.com

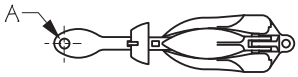


THE SEA-HOOK - Hot Dipped Zinc Galvanized Investment Cast Steel

ORDER NO.	Mfr. No.	A	B	C	Recomm. Boat Length.	Weight LIbs.
423-18503	318503	16"	10-1/4"	8-11/16"	13'-18'	7.7
423-18505	318505	18-7/16"	12-3/8"'	9-7/16"	19' - 23'	11.0
423-18507	318507	20-15/16"	14-3/16"'	10-3/4"	24' - 30'	16.5
423-18510	318510	22-15/16"	15-1/8"	11-1/2"	31' - 35'	22.0
423-18515	318515	25-3/4"	17"	13-7/16"	36' - 40'	33.0
423-18520	318520	27-5/8"	18"	14-5/8"	41' - 47'	44.0

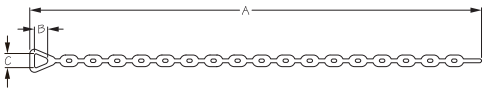
FOLDING ANCHORS - Hot Dipped Galvanized Iron/Forged Flukes

Inexpensive and easy to store, folding anchors make an ideal backup anchor on larger boats or can be used as a primary anchor on smaller boats, sailboats and inflatable boats.



ORDER NO.	Weight Lbs. / Kg.	Boat Length	Recomm. Line / Length	Recomm. Chain / Length	A
423-18001	1.5 lbs / 0.7 kg	5'-10'	1/4" / 35'	3/16" / 7-10'	1/2"
423-18003	3.5 lbs / 1.5 kg	5'-12'	1/4" / 35'	3/16" / 7-10'	1/2"
423-18005	5.5 lbs / 2.5 kg	5'-14'	5/16" / 50'	3/16" / 7-10'	1/2"
423-18007	7.0 lbs / 3.2 kg	5'-16'	5/16" / 50'	3/16" / 7-10'	1/2"
423-18009	9.0 lbs / 4.0 kg	5'-18'	5/16" / 120'	3/16" / 10-13'	1/2"
423-18013	13.0 lbs / 6.0 kg	14'-22'	3/8" / 150'	3/16" / 10-20'	5/8"
423-18018	18.0 lbs / 8.0 kg	18'-26'	3/8" / 150'	1/4" / 10-20'	5/8"

ANCHOR CHAIN

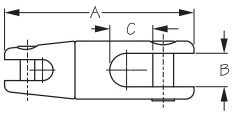


Galvanized Forged Steel					
ORDER NO.	Mfr. No.	A	B	C	Chain Link Size
423-12833	312833	3 ft	1-1/16"	1-1/16"	3/16"
423-12844	312844	4 ft	1"	1-1/8"	1/4"
423-12855	312855	5 ft	1-3/8"	1-1/4"	5/16"

ANCHOR SWIVEL - AISI 316 Stainless

ORDER NO.	Mfr. No.	A	B	C	Allen Wrench Size	Chain Sizes
421-82608	182608-1	3-9/16"	5/8"	13/16"	5/32" & 4 mm	1/4"-5/16"

Breaking Strength 5,500 LBS.



For more information see: www.sea-dog.com

attwood

"LIFT 'N LOCK" ANCHOR CONTROL

Easy-to-use anchor lift and pulley system supports an anchor up to 20 pounds with 1/2" diameter line (sold separately). Economical zinc plated steel anchor lift and nylon pulley system. Steel sheave controls anchor from any position.

Mfr. No. 13700-7 **ORDER NO. 101-13700** - Standard

For more information see: www.attwoodmarine.com

ANCHORS

NAVY ANCHORS

Really digs in and holds the minute it strikes bottom!

Painted

Anchors are painted with a special rust resistant aluminum paint.

ORDER NO.	Mfr. No.	SIZE
937-33310	333-10	10 lbs.
937-33315	333-15	15 lbs.
937-33320	333-20	20 lbs.

Coated

Anchors are coated in a heavy no-mar resistant plastisol coating.

ORDER NO.	Mfr. No.	COLOUR	SIZE
937-91001	910-B	Black	10 lbs.
937-91005	910-R	Royal Blue	10 lbs.
937-91006	910-RD	Red	10 lbs.
937-91501	915-B	Black	15 lbs.
937-91505	915-R	Royal Blue	15 lbs.
937-91506	915-RD	Red	15 lbs.
937-91508	915-W	White	15 lbs.
937-91509	915-Y	Yellow	15 lbs.
937-92001	920-B	Black	20 lbs.
937-92005	920-R	Royal Blue	20 lbs.
937-92006	920-RD	Red	20 lbs.

333-10

RIVER ANCHORS

Especially designed for river and mud bottom lakes.
Great for pontoon & bass boats.

Coated

Anchors are coated in a heavy no-mar resistant plastisol coating.

ORDER NO.	Mfr. No.	COLOUR	SIZE
937-51401	514-B	Black	14 lbs.
937-51601	516-B	Black	16 lbs.
937-52001	520-B	Black	20 lbs.

RICHTER ANCHORS

The ultimate high performance anchor for all applications. Patented design combines the weight of a river anchor, penetration of a grapnel anchor and the easy retrieval of a slip-ring anchor. Unmatched performance in any situation. Richter Anchors are currently being used by over 200 tournament fishermen worldwide.

ORDER NO.	Mfr. No.	COLOUR	SIZE
Suitable for boats to 20'			
937-00618	618-B	Black	18 lbs.
Suitable for boats to 30'			
937-00625	625-B	Black	25 lbs.

SLIP RING ANCHORS

The Greenfield Slip Ring Anchor is made of solid steel, is self-releasing, lightweight, easy to store, and coated in heavy no-mar resistant plastisol, which protects boat finishes.

Mfr. No.	WEIGHT	RECOMMENDED BOAT SIZE
669-6	5 lbs.	< 16 ft.
669-11	8 lbs.	< 24 ft.

Note: Holding power may vary depending on windage & conditions

ORDER NO.	Mfr. No.	DESCRIPTION
937-66906-1	669-6-B	#6 Black
937-66906-5	669-6-R	#6 Royal Blue
937-66906-6	669-6-RD	#6 Red
937-66906-8	669-6-W	#6 White
937-66906-9	669-6-Y	#6 Yellow
937-66911-1	669-11-B	#11 Black
937-66911-5	669-11-R	#11 Royal Blue
937-66911-6	669-11-RD	#11 Red
937-66911-8	669-11-W	#11 White
937-66911-9	669-11-Y	#11 Yellow

For more information see: www.greenfieldproducts.com

AMERICAN YACHTING SERIES

Traditional Fluke-Type anchor modified to include PVC coating. Holding power is rated for higher performance applications.
For best results, use with Greenfield Anchor Chain.

ORDER NO.	Mfr. No.	DESCRIPTION
937-00131	GPI-13-B	#13 Black
937-00138	GPI-13-W	#13 White
937-00136	GPI-13-RD	#13 Red
937-00175	GPI-17-R	#17 Royal Blue
937-00178	GPI-17-W	#17 White
937-00218	GPI-21-W	#21 White
937-00216	GPI-21-RD	#21 Red

Selection Guide

Mfr. No.	Working Load Limit	Recommended Boat Size
GPI-13	900 lbs.	For boats up to 33 ft. in winds up to 30 knots
GPI-17	1200 lbs.	For boats up to 38 ft. in winds up to 30 knots
GPI-21	1500 lbs.	For boats up to 41 ft. in winds up to 30 knots

ANCHOR CHAINS PVC COATED

Specially formulated vinyl coating protects boat finishes while allowing good flexibility.

ORDER NO.	Mfr. No.	COLOUR	SIZE	WORKING LOAD LIMIT
937-21151	2115-B	Black	1/4" x 4 ft.	1,300 lbs.
937-21152	2115-FG	Forest Green	1/4" x 4 ft.	1,300 lbs.
937-21155	2115-R	Royal Blue	1/4" x 4 ft.	1,300 lbs.
937-21156	2115-RD	Red	1/4" x 4 ft.	1,300 lbs.
937-21158	2115-W	White	1/4" x 4 ft.	1,300 lbs.
937-21161	2116-B	Black	5/16" x 5 ft.	1,370 lbs.
937-21165	2116-R	Royal Blue	5/16" x 5 ft.	1,370 lbs.
937-21166	2116-RD	Red	5/16" x 5 ft.	1,370 lbs.
937-21168	2116-W	White	5/16" x 5 ft.	1,370 lbs.

MARINE RETRIEVAL MAGNET

Incredibly strong magnet rated at over 200 lbs. pull. Ideal for retrieving dropped tools, keys, props, etc. Also great for the treasure hunter seeking loot.

Colour: Thick-coated, Red.
ORDER NO. 937-00007 Mfr. No. 7-RD

MUSHROOM ANCHORS

A type preferred by many experienced boaters.

Painted
Anchors are painted with a special rust resistant aluminum paint. Silver.

ORDER NO.	Mfr. No.	SIZE
937-44480	444-8	8 lbs.
937-44410	444-10	10 lbs.
937-44415	444-15	15 lbs.

Coated
Anchors are coated in a heavy no-mar resistant plastisol coating. (Protects bass boat finishes.)

ORDER NO.	Mfr. No.	COLOUR	SIZE
937-50801	508-B	Black	8 lbs.
937-51001	510-B	Black	10 lbs.
937-51501	515-B	Black	15 lbs.

TIE DOWN
MANUFACTURING INGENUITY

Hooker ANCHORS

For safe anchoring, a length of chain should be attached between the anchor line and anchor. This helps keep the anchor shank low and allows the flukes to further penetrate. Also guards against bottom chafe.

SUPER HOOKER

The Super Hooker anchor is a good choice for your anchoring needs. This lightweight, hot dipped galvanized Super Hooker anchor has strong wide flukes that penetrate quickly and firmly for maximum holding power. The fully welded crown configuration provides the right angles for ultimate holding power and secure penetration. The Super Hooker stows flat and can be used with most fluke type anchor storage systems.

MADE IN THE USA

ORDER NO.	Mfr. No.	Model Size	Anchor Weight	Boat Length (Recommended)	Holding Power (lbs.)	Anchor Height	Stock Width	Fluke Height	Dutton Lainson Alternate *While Supplies Last*
404-95030	95030	#2-1/2	3#	Up to 12'	130#	17-1/4"	13"	9"	*123-06921*
404-95035	95035	#4	4#	12' to 16'	240#	19-1/2"	14-3/4"	10-1/2"	*123-06922*
404-95040	95040	#8	9#	17' to 24'	480#	24"	18-1/4"	12"	*123-06923*
404-95045	95045	#13	14#	25' to 30'	740#	28-1/4"	21-1/2"	14-1/4"	*123-06924*
404-95050	95050	#18	18#	31' to 34'	1,050#	31-3/4"	24"	16-1/2"	*123-06925*
404-95055	95055	#22	25#	35' to 38'	1,300#	35"	26-3/4"	19"	*123-06926*

Hooker ANCHORS

QUIK-SET

The Hooker Quik-Set has 50% more holding power and the appearance of an anchor costing much more. The Hooker Quik-Set design with the "Slip Lock" shank insures a proper set regardless of which way the anchor lands. A slip design permits easy retrieval in snag prone areas. Hot dipped galvanized finish.

RUST

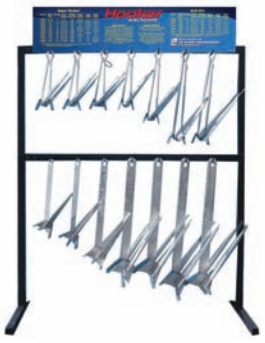
ORDER NO.	Mfr. No.	Model Size	Anchor Weight (lbs.)	Boat Length (Recommended)	Holding Power (lbs.)	Anchor Height	Stock Width	Fluke Height	Dutton Lainson Alternate *While Supplies Last*
404-95006	95006	5HQ	3.5#	10' to 15'	120#	14"	11-1/2"	9"	*123-05405*
404-95011	95011	7HQ	4.5#	15' to 19'	150#	17"	14-1/2"	9-1/2"	*123-06912*
404-95016	95016	10HQ	5#	20' to 24'	160#	20"	14"-1/2	10"	*123-05610*
404-95021	95021	13HQ	6.5#	25' to 28'	180#	24"	18-1/4"	11-3/4"	*123-06916*
404-95026	95026	15HQ	8#	28' to 30'	200#	24-1/2"	18-1/4"	14-1/2"	*123-09615*

Hooker ANCHORS

HOOKER ANCHOR DISPLAY STAND w/HEADER CARD

A space saving display rack that provides space for 14 anchors, informative header card and is finished in black powder coat.

- Displays 14 anchors
- Easy Assembly
- Small Foot Print
- Consumer Information
- PVC Header Card
- Black Powder Coat Finish

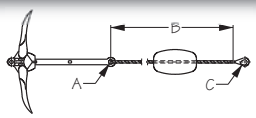


Mfr. #94099
ORDER NO. 404-94099

HEADER DISPLAY CARD ONLY

Mfr. #15099
ORDER NO. 404-15099

FOLDING ANCHOR KIT



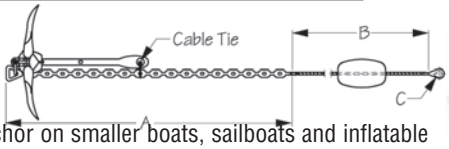
Painted Hot Dipped Galvanized Iron/Forged Flukes

Inexpensive and easy to store, the folding anchor kit makes an ideal backup anchor on larger boats or can be used as a primary anchor on smaller boats, sailboats and inflatable boats. Includes 3.5 lb. folding anchor with 25' of 1/4" line, adjustable float and stainless fast eye boat snap. *Weights vary due to metal and coating content. Listed weights are approximate.

ORDER NO.	Mfr. No.	Weight/Lbs.	Boat Length	Line/Length	A	B	C
423-18000K	318003K	3.5 lb.	5' - 12'	1/4"/25'	1/2"	25'	1"

For more information see: www.sea-dog.com

FOLDING ANTI-SNAG ANCHOR KIT



Hot Dipped Galvanized Iron/Forged Flukes

The Sea-Dog Folding Anti-Snag Anchor Kit makes an ideal primary anchor on smaller boats, sailboats and inflatable boats. Cable tie break away from anchor chain for easy retrieval. **Includes 3 lb. folding anchor** with 3' vinyl coated anchor chain and 30' of 1/4" line, adjustable float and stainless fast eye boat snap. *Weights vary due to metal and coating content. Listed weights are approximate.

ORDER NO.	Mfr. No.	Overall/Lbs.	Boat Length	Line/Length	Anchor Chain Length	A	B	C
423-18003KP	318003KP	5lb.	5' - 14'	1/4"/30'	3'	3'	30'	1"

797 ANCHOR KIT

- 50 ft. (15m) Premium nylon line
- 1.5 lb. (0.6 kg) Folding Anchor
- Watertight buoyant container
  - Doubles as a bailer
- Nylon snap hook, for easy attachment to vessel
- For still water use

ORDER NO. 382-00797

Mfr. No. 797

For more information see: www.scotty.com

HOOKER ANCHOR KITS

For safe anchoring, a length of chain should be attached between your anchor line and anchor. This helps to keep the anchor shank low and allows the flukes to further penetrate. Also guards against bottom chafe.

SUPER HOOKER #8 ANCHOR KIT

Kit includes:

(1) #8 Super Hooker Anchor,
(1) Coil of 3/8" x 100' nylon anchor line w/thimble
(1) Coil of 1/4" x 6' galvanized chain,
(2) 5/16" shackles.

Mfr. #95095

ORDER NO. 404-95095

SUPER HOOKER #13 ANCHOR KIT

Kit includes:

(1) #13 Super Hooker Anchor,
(1) Coil of 3/8" x 100' nylon anchor line w/thimble,
(1) Coil of 1/4" x 6' galvanized chain,
(2) 5/16" shackles.

Mfr. #95100

ORDER NO. 404-95100

HOOKER QUIK-SET ANCHOR KIT

Kit includes:

(1) 10HQ Quik Set Anchor
(1) Coil of 3/8" x 100' nylon anchor line w/thimble
(1) Coil of 1/4" x 4' galvanized chain
(2) 5/16" shackles
Mfr. #95090

ORDER NO. 404-95090

For more information see: www.tiedown.com

2.5 KG ANCHOR KIT

Kit includes:

- Heavy-duty nylon bag with clip
- 2.5 kg anchor
- 50 ft. (15 m), 1/4" dia., (700 lb. test) woven polypropylene Fox40 marine rope with float & carbiner clip

Mfr. #7928-0500

ORDER NO. 561-92805

For more information see: www.fox40world.com

DOCK BUDDY

Stretch Dock Line **For Temporary Docking only**

Dock Buddy is an easy to use dock line that stretches between boat cleat and dock cleat, without knots. A simple slide adjustment tightens loop around cleat and allows for quick and secure docking. Dock Buddy stretches for more stability from waves while fueling or cooking at dock. Black.

ORDER NO.	Mfr. No.	Description
937-00400-1	DB4-B	Dock Buddy, 4', Black
937-00500-1	DB5-B	Dock Buddy, 5', Black

ANCHOR BUDDY

The Anchor Rope that Stretches

Poly-covered bungee cord stretches from 14' to 50'. Anchor Buddy takes the shock out of your anchor line and makes it easier to anchor offshore. Simply drop anchor about 30' out, proceed to shore, and Anchor Buddy stretches while your anchor stays set. As you pay out your bow line Anchor Buddy retracts, anchoring your boat safely offshore. Also works great for anchoring in rough water. Black.

ORDER NO. 937-04000-1

Mfr. No. AB-4000-B

STRETCH n' SLIDE - Versatile Dock & Rafting Line

Multi-Loop Bungee for perfect size every time. Stretches to fit any span to 7 ft.

Docking:

Without question, Stretch n' Slide is the world's most versatile and easy to use dock line.
Innovative multi-loop bungee allows a perfect fit for any span to 7 ft.
Simply place end loop over cleat, stretch and tighten down the slider.
Then just select perfect loop to place over second cleat.
Stretch n' Slide makes docking quick and easy for any craft from PWC to large boats.
Temporary docking only.

ORDER NO. 937-00001

Mfr. No. SNS-b (Black) in Colour

Rafting / Party Chaining:

Stretch n' Slide is the ultimate solution for Rafting boats together for party chain.
The versatile loops allow quick and accurate connection between cleats, regardless of distance or elevation between boats.
With Stretch n' Slide a rafting party can be connected in minutes, without tying a single knot. Shock absorbing bungee allows entire chain of boats to move and flex together with ease.

For more information see: www.greenfieldproducts.com

SHURHOLD

DOCK - A RENI™

- Allows you to tie your boat up with ease
- Makes a loop - Dock line holding tool
- Use with any boat pole
- Plastic - No-rust, UV resistant
- Patented design

ORDER NO. 962-01340 Mfr. No. 134

For more information see: www.shurhold.com

KWIK GRIP SELF-LOCKING CLEAT

Tie loads without tying knots!
Ideal for securing deck & dock lines,
fenders, anchor, mooring lines, & deck accessories.

- Works with any rope up to 1/2"
- Made of durable 316 stailess steel
- Corrosion resistant
- Durable clear coat finish
- Stainless mounting hardware

ORDER NO. 937-70112 Mfr. No. R701-12

AIRHEAD

BUNGEE DOCK LINES

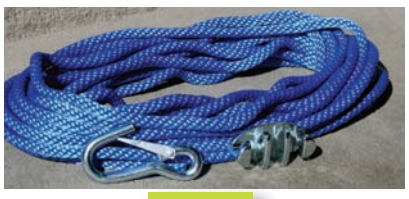
Recommended for Docking Boats & PWC's up to 4,000 lbs.

- Absorbs shock to boats, cleats, docks, pylons & other hardware
- Bungee is hidden inside the rope and acts as a built-in snubber.
- Two foam floats protect the boat from chafing
- Sliding adjustment at both ends for quick docking
- Colour: Black/Blue/Red
- Tensile Strength: 2,150 lb.

For more information see: www.airhead.com

ORDER NO.	Mfr. No.	Description Max.
737-18178	AHDL-4	4 ft. - Stretches to 5-1/2 ft.
737-18185	AHDL-5	5 ft. - Stretches to 7 ft.
737-18192	AHDL-6	6 ft. - Stretches to 9 ft.

PANTHER



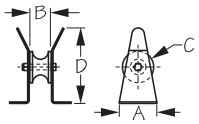
PANTHER ANCHOR ROPE

Panther anchor rope is manufactured with the outdoorsman in mind. Made from heavy duty 3/8" blue polypropylene it has an amazing tensile strength of 2800 lbs. Comes packaged with a no-tie rope cleat and snap hook. Available in both 50' and 100' lengths.

ORDER NO.	Mfr. No.	Description
947-75700	75-7000	50' Anchor Rope, Cleat/ w/Snap Hook
947-75701	75-7010	100' Anchor Rope, Cleat/ w/Snap Hook

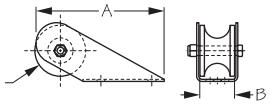
For more information see: www.panthermarineproducts.com

PLATFORM BOW ROLLER
Stamped 304 Stainless



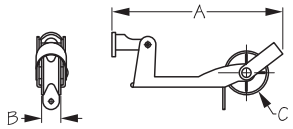
ORDER NO.	Mfr. No.	A	B	C	D	Rope Diameter	Fastener
423-28051	328051	3"	1-3/4"	2-1/2"	6"	1" Max.	3/8" Bolt
423-28059	328059	Replacement wheel (1-3/4" x 2-1/2")					

BOW ROLLER-SHORT (unpolished)
Stamped 304 Stainless



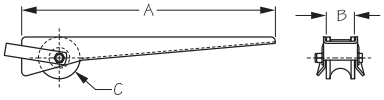
ORDER NO.	Mfr. No.	A	B	C	Rope Diameter	Fastener
423-28052	328052	6-1/4"	1-3/4"	2-1/2"	1" Max.	3/8" Bolt
423-28059	328059	Replacement wheel (1-3/4" x 2-1/2")				

ANCHOR LIFT & LOCK BOW ROLLER
Electrogalvanized Steel



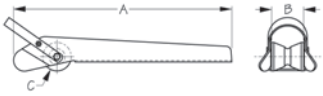
ORDER NO.	Mfr. No.	A	B	C	Rope Diameter	Fastener
423-28040	328040-1	6-13/16"	13/16"	1-7/8"	3/8" Max.	#10 RH

BOW ROLLER - SEAHOOK STYLE (unpolished)
Stamped 304 Stainless



ORDER NO.	Mfr. No.	A	B	C	Rope Diameter	Fastener
423-28054	328054	15-1/2"	1-3/4"	2-1/2"	1" Max.	3/8" Bolt
423-28059	328059	Replacement wheel (1-3/4" x 2-1/2")				

MEDIUM ANCHOR BOW ROLLER (unpolished)
Stamped 304 Stainless



ORDER NO.	Mfr. No.	A	B	C	Rope Diameter	Fastener
423-28064	328064	19-1/4"	2-15/16"	2-1/2"	1-1/2" Max.	3/8" Bolt
423-28069	328069-1	Replacement wheel (2-5/16" x 2-3/4")				

For more information see: www.sea-dog.com

COMPLETE FOLDING ANCHOR SYSTEM

- 4 fluke folding anchor holds in mud, sand, gravel and rock
- Designed for the temporary mooring of small boats, PWC, inflatable boats, canoes, sailboats, and float tube
- Coated to protect finishes
- Durable, nylon, padded storage bag is included
- Fits under most boat seats, in PWC storage compartments
- 25 ft. long marine-grade rope, with an in-line buoy is spliced to the anchor and a heavy duty stainless steel snap hook

AIRHEAD

JET LOGIC

ORDER NO.	Mfr. No.	Weight
737-15764	A-2	3-1/3 lbs.
737-45266	A-7	5-1/2 lbs.

LIGHTWEIGHT FLUKE ANCHOR

- Vinyl dipped fluke anchor weighs 1-3/4 lb.
- Perfect for the temporary mooring of PWC's and other small craft
- 25 ft. marine grade rope is spliced to the anchor
- Sturdy nylon case is included

ORDER NO. 737-15870 Mfr. No. A-5

PWC SAND ANCHOR & BUOY

- Ideal for anchoring PWC's in shallow water to keep the impeller off the beach
- Fill this super durable tri-laminate anchor bag with up to 35 lbs. of rocks or sand.
- A buoy marks the anchor's location
- Tie-ups are easy with the 6 ft. long rope and the oversized, acetyl finish snap hook

ORDER NO. 737-15498 Mfr. No. A-1

For more information see: www.airhead.com

BOW ROLLERS - UNIVERSAL P = Polished M = MIRROR Finish

ORDER NO.	Mfr. No.
628-12178	BR-11 P

ORDER NO.	Mfr. No.
628-12218	BR-20 P

ORDER NO.	Mfr. No.
628-12228	BR-20LL M

ORDER NO.	Mfr. No.
628-12238	BR-20LL P

ORDER NO.	Mfr. No.
628-12258	BR-21 P

ORDER NO.	Mfr. No.
628-12288	BR-22L P

ORDER NO.	Mfr. No.
628-12308	BR-23 P

Use Release Pin 3

ORDER NO.	Mfr. No.
628-12458	DELTA-23 P

ORDER NO.	Mfr. No.
628-12498	BRUCE-25 P

Use Release Pin 3

ORDER NO.	Mfr. No.
628-12538	KR-1015 P

Use Release Pin 3.5

ORDER NO.	Mfr. No.
628-12558	KR-2025 P

Use Release Pin 3.5

RELEASE PINS

ORDER NO.	Mfr. No.	Size
628-25516	Pin 2.5	2.5" x 5/16"
628-30516	Pin 3	3" x 5/16"
628-35516	Pin 3.5	3.5" x 5/16"
628-40516	Pin 4	4" x 5/16"
628-45516	Pin 4.5	4.5" x 5/16"

BOW ROLLERS - UNIVERSAL - P = Polished Finish M = MIRROR Finish

Offering a unique design that offers a high performance quality like no other. Designed with a significantly thicker USA stainless steel, it casts a shadow over any other bow roller in the market today,.

Mfr. No.	ORDER NO.	Bow Roller Length/Width	Anchor Weight	Roller Wheel	QuickSet/ Delta	Fluke	Plow	CQR	Bruce/ Claw	Slip Ring	Rocna/ Vulcan
BR-11 P	628-12178	11" x 2-7/8"	to 35 lb.	W25-25	X	X	X			X	
BR-20 P	628-12218	22-11/16" x 3-1/4"	to 35 lb.	W25-3	X	X	X			X	
BR-20LL M	628-12228	27-1/2" x 3-1/4"	to 35 lb.	W25-3	X	X	X			X	
BR-20LL P	628-12238	27-1/2" x 3-1/4"	to 35 lb.	W25-3	X	X	X			X	
BR-21 P	628-12258	20-15/16" x 3-1/4"	to 35 lb.	W1-3, W25-3	X	X	X			X	
BR-22L P	628-12288	23-1/2" x 2-7/8"	to 50 lb.	W2-25	X	X	X			X	
BR-23 P	628-12308	22-3/4" x 2-7/8"	to 60 lb.	W25-25	X	X	X				
DELTA-23 P	628-12458	23-1/4" x 3-3/8"	to 50 lb.	W25-325	X	X	X			X	
BRUCE-25 P	628-12498	24-11/16" x 2-7/8"	to 50 lb.	W2-24					X		
KR-1015 P	628-12538	27" x 3-3/8"	to 35 lb.	W25-3							R
KR-2025 P	628-12558	31-1/2" x 3-3/8"	to 55 lb.	W25-3							R

For more information see: www.kingstonanchors.com

ROLLER WHEELS - WHITE ACETAL

Our roller wheels are machined from Acetal, a strong, resilient and dense polymer suited for the marine environment as it provides low absorption of moisture. These wheels are designed to last the life of the bow roller and will not yellow, fade or crack.

ORDER NO.	Mfr. No.
628-12638	W1-3

ORDER NO.	Mfr. No.
628-12668	W2-25

ORDER NO.	Mfr. No.
628-12688	W25-25

ORDER NO.	Mfr. No.
628-12698	W25-3

ORDER NO.	Mfr. No.
628-12738	W3-35

ORDER NO.	Mfr. No.
628-12748	W3-5

Mfr. No.	ORDER NO.	Wheel Diameter	Width	Hole Size	Fits Kinston Anchors Bow Rollers
W1-3	628-12638	1"	2-7/8".	3/8"	BR-21
W2-25	628-12668	2"	2-1/2"	3/8"	BR-22, BR-22L
W25-25	628-12688	2-3/8"	2-1/2"	3/8"	BR-11, BR-16, BR-23
W25-3	628-12698	2-3/8"	2-7/8"	3/8"	BR-20, BR-20LL, BR-21, BR-25, BR-25D, BR-25DS, BR-26, BR-35, E-8, QR-20, KR-1015, KR-2025, KV-915, KV-2015
W3-35	628-12738	3"	3-3/8"	1/2"	Custom
W3-5	628-12748	3"	5"	5/8"	Custom

For more information see: www.kingstonanchors.com

LEGACY SERIES ANCHORS

The new Legacy anchor has been developed offering style and practicality. Made from high-grade galvanized steel, the Legacy anchor demonstrates exceptional anti-corrosion performance with enhanced aesthetics. The large flukes perform superbly under high loads while being extremely lightweight.

- Premium galvanized anchor
- Manufactured from S355 structural steel
- Hot-dipped galvanized for tough, durable & corrosion-resistant finish
- T-section flukes quickly improve holding power
- Weight range: 5 to 26 lbs.

ORDER NO.	Mfr. No.	Weight	For Boat Sizes
111-30100	30100	5 lbs	16' to 28'
111-30101	30101	8 lbs.	29' to 33'
111-30102	30102	12 lbs.	34' to 40'
111-30103	30103	18 lbs.	41' to 46'
111-30104	30104	26 lbs.	47' to 50'

For more information see: www.taylormadeproducts.com

LAKESIDE ELECTRIC ANCHOR WINCHES

TRAC Electric anchor winches offer simple, smooth operation & provide excellent holding power.
Winches feature high-efficiency 12-volt DC all-steel gear motors that use less battery power than others makes.
Improved Third Generation (G3) Designs: NEW die-cast aluminum gearbox, NEW 68 mm heavy-duty DC motor,
NEW smaller footprint: Uses less than 1 sq. ft. of deck space, NEW sleek exterior case designs and as small as 9" x 9".

For more information see: www.TRAC-Outdoor.com or www.camco.net

TRAC ANCHOR WINCH FISHERMAN 25®

For Freshwater Applications

- 12 Volt
- Up to 20' boat length
- Up to 20 lb. anchor recommended
- Maximum rode weight 25 pounds
- Power UP/DOWN with anti-reverse internal clutch to prevent free-spooling
- 100' of 0.20" pre-wound double braid anchor rope
- Maximum Rode Weight: 25 lbs.
- Rope Speed Down: 70FPM
- Rope Speed Up: 60FPM
- Anchor Davit/Roller included
- Dimensions: 9"L x 9"W x 6"H

ORDER NO. 668-69002
Mfr. No. 69002

ANCHOR WINCH WIRELESS REMOTE KIT - G3

Raise & lower your anchor with the press of a button from any location!

- For models: Fisherman 25™ & Pontoon 35™ (G3 Models only)
- Remote clips into bracket. Mount it anywhere!

ORDER NO. 668-69044
Mfr. No. 69044

TRAC ANCHOR WINCH ANGLER 30™ AutoDeploy

For Freshwater Applications

- 12 Volt
- Up to 20' boat length
- Up to 25 lb. anchor recommended
- 3 button operation – UP / DOWN / AUTO DEPLOY
- 100' of 0.20" pre-wound double braid anchor rope
- Maximum Rode Weight: 30 lbs.
- Rope Speed Down: 70FPM
- Rope Speed Up: 60FPM
- **Wireless remote control included**
- Anchor Davit/Roller included
- Winch Dimensions: 9"L x 9"W x 6"H

ORDER NO. 668-69004
Mfr. No. 69004

SPORT FISH 450 FREE-FALL WINDLASS

The Safest Way to Anchor Your Boat!
Designed for all Sport Fishing Boats up to 27 feet. It has quick and safe one-person operation.

- Find the right fishing spot and hold your position.
- Helm Operated Control Switch. Eliminates going to the bow in rough seas or severe weather conditions.
- Safe and easy one person operation.
- Hold helm control switch in the downward position for only 5 seconds to release anchor.
- Anchor sets quickly at 150' per minute Free-Fall.
- Fast Retrieval - retrieval rate is 70' per minute.

ORDER NO. 409-77727 Mfr. No. P77727

*** See Next Page For Technical Specifications ***

CAPSTAN 300

Power Assisted Rope Capstan for Boats up to 26'

- Strong pulling power of 300 lbs.
- Quick retrieval speed of 85'/min
- Deck mounted design
- Handles unlimited rope lengths
- Easy to operate foot control switch (included)
- All aluminum housing with a durable powder coat finish
- Stainless steel internal shafts, fasteners, & hardware
- One-piece gears – heat treated/oil-impregnated

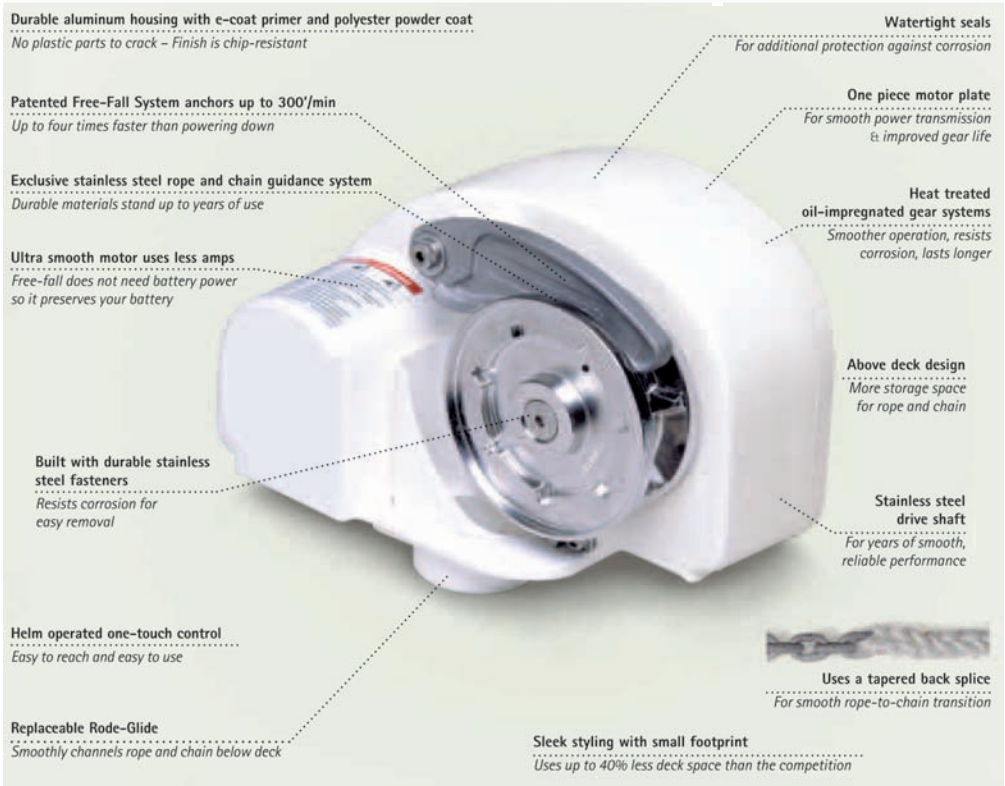
Features	26'
	409-77726
Mfr. No.	P 77726
Powerwinch	26' Class
Anchoring Speed	N/A
Pulling Power	300 lbs.
Retrieval Speed	80'/min.
Boat Size	Up to 26'
Warranty (Includes all components)	Full 2 year

For more information see: www.powerwinch.com

FREE-FALL ANCHOR WINDLASSES

Automatic helm Operated FREE-FALL WINDLASSES

The Safest way to anchor!



FREE-FALL ANCHOR WINDLASSES TECHNICAL SPECIFICATIONS

POWERWINCH FEATURES	450 SPORT FISH	36' CLASS	41' CLASS	46' CLASS
ORDER NO.	**409-77727**	**409-77736**	**409-77741**	**409-77746**
Boat Size	Up to 27 feet	Up to 36 feet	Up to 41 feet	Up to 46 feet
Pulling Power	450 lbs.	775 lbs.	900 lbs.	1100 lbs.
Retrieval Speed	70'/minute	80'/minute	75'/minute	70'/minute
Anchoring Speed	Up to 150'/min.	Up to 250'/min.	Up to 300'/min.	Up to 350'/min.
Line Size & Type *(required)*	1/2" Powerwinch Premium Medium Lay Nylon	1/2" Powerwinch Premium Medium Lay Nylon	5/8" Powerwinch Premium Medium Lay Nylon	5/8" Powerwinch Premium Medium Lay Nylon
Chain Size & Type *(required)*	1/4" Hi-test ACCO G4	1/4" Hi-test ACCO G4	5/16" Hi-test ACCO G4	5/16" Hi-test ACCO G4
Rodes (Sold separately)	P10293-P10296	P10293-P10296	P10297-P10300	P10297-P10300
Rope & Chain System	Stainless Steel	Stainless Steel	Stainless Steel	Stainless Steel
Replaceable Rode-Glide	Engineered Resin	Engineered Resin	Engineered Resin	Engineered Resin
Helm Operated Control Switch	Rocker	Rocker	Rocker	Rocker
Average Amp Draw *(during retrieval)*	8-10 amps	8-12 amps	10-14 amps	14-18 amps
IRequired Wire size to Battery	8 gauge (50' run) 6 gauge (over 50' run)	8 gauge (50' run) 6 gauge (over 50' run)	6 gauge (over 70' run)	6 gauge (over 70' run)
Standard Equipped	25 amp auto reset Thermal Circuit Breaker	25 amp auto reset	25 amp auto reset	60 amp auto reset
Manual Reset Circuit Breaker *(optional)*	25 amp P1070400AJ	25 amp P1070400AJ	25 amp P1070400AJ	P1064800AJ
Dual Switch Solenoid	Optional P1200000AJ	Optional P1200000AJ	Optional P1200000AJ	Included
Unit Weight	21 lbs.	22 lbs.	23 lbs.	24 lbs.
Overall Unit Dimensions	10-9/16"L x 7" W x 6-5/16"H	10-9/16"L x 7" W x 6-5/16"H	10-9/16"L x 7" W x 6-5/16"H	10-9/16"L x 7" W x 6-5/16"H

Note: Rope & chain system includes gypsy, finger and stripper. **See Page 586 for Part Nos.
*Powerwinch recommends New England Premium 3 Strand Nylon medium lay line as an alternative.
Powerwinch recomends Ancor® Premium Marine Wire for installation.

For more information see: www.powerwinch.com

FREE-FALL ANCHOR WINCH RODES

Powerwinch

- Required for Powerwinch Free-Fall anchor winches.
- All rodes come with a tapered backsplice.
- 1/2" & 5/8" Powerwinch premium 3 strand nylon line, tested to be the highest quality & best performing line.
- Acco G4 Hi-Test 1/4" & 5/16" chain
  - 1/4" Hi-Test offers 50% more strength than 1/4" BBB
  - 5/16" Hi-Test offers 47% more strength than 3/8" BBB
  - 5/16" Hi-Test offers twice the strength of 5/16" BBB

ORDER NO.	Mfr. No.	Description
For 30/31 & 35/36' Class FreeFall Anchor Winches		
409-10294	P10294	15' of 1/4" Hi-test Chain & 200' of 1/2" Rope
409-10295	P10295	15' of 1/4" Hi-test Chain & 300' of 1/2" Rope
For 40/41 & 45/46' Class FreeFall Anchor Winches		
409-10299	P10299	20' of 5/16" Hi-test Chain & 250' of 5/8" Rope
409-10300	P10300	20' of 5/16" Hi-test Chain & 300' of 5/8" Rope

For more information see: www.powerwinch.com

DECKHAND ANCHOR WINCHES

MINN KOTA

DECKHAND 40

Why do all the work when a Deckhand will do it for you?

These electric winches will automatically raise or lower your anchor at the touch of a button. A special anti-drag system senses the bottom to allow for controlled drifting.

- Davit can be mounted at base of Deckhand or in remote position on boat deck
- 40-lb anchor capacity (anchor not included)
- Pre-spooled with 100 ft. of 800 lb test nylon rope
- Universal davit stows anchor horizontally to eliminate anchor swing
- Anchor shackle allows for quick changes between anchors
- Runs on 12 volt battery (not included)
- Compatible with Deckhand 40 remote switch (sold separately)

Mfr. No. 1810140

ORDER NO. 718-10140

DECKHAND 25R

The Deckhand 25R's new 12 ft. corded remote control lets you operate your Deckhand from anywhere on the boat

- 25 lb. anchor capacity (anchor not included)
- Includes davit for stowing most styles of anchors
- Pre-spooled with 60 ft. of 800 lb. test nylon rope
- Runs on 12 volt battery (not included)

Mfr. No. 1810126

ORDER NO. 718-10126

DECKHAND 40 REMOTE SWITCH

25' cord allows you to operate the Deckhand 40 from anywhere on the boat

Mfr. No. 1810150

ORDER NO. 718-10150

For more information see: www.minnkotamotors.com

Scotty

ANCHOR LOCK

Anchor release system for small boats in still-water fishing situations. Easy lock and release action allows anchor line adjustments. For use with rope up to 1/2" diameter. Tough construction and roller bearing for smooth, quiet operation.

ORDER NO. 382-02760	Mfr. No. 276	No. 276 - Includes No. 241 Side/Deck Mount
ORDER NO. 382-02770	Mfr. No. 277	No. 277 - Includes No. 244 Flush Deck Mount
ORDER NO. 382-02780	Mfr. No. 278F	No. 278 F - Permanent Mount

382-02770

Includes a No. 244 Flush Deck Mount

382-02760

Includes a No. 241 Side /Deck Mount

382-02780

Permanent Mount

For more information see: www.scotty.com

KANBERRA GEL
The Original All Natural Air Purifier

Kanberra Group products eliminate odours naturally & keep them from coming back as opposed to simply masking them. The Kanberra® family of products currently includes gel, spray, wipes, hand soap, essential oil, and anti-friction cream. Kanberra® products are safe around children & pets & are used worldwide wherever odours are an issue by individuals who went from being consumers to loyal brand advocates. Kanberra® products contain a premium blend of Pure Australian Tea Tree Oils certified by ATTIA, Ltd. (Australian Tea Tree Industry Association, Ltd.) Our water based products are chemical & alcohol free with the highest quality standards in place from "seed to sales."

Storage:
While your vessel is wrapped, Kanberra Gel eliminates odors & keeps them from coming back. As it settles it also removes odours from carpets, curtains, furnishings & more. That means easier spring clean up, no wiping with chemicals, etc.

Weekender: When you uncover your boat, reseal the Kanberra Gel container and stow. When you're done boating, simply open & place the container where you need it. Kanberra Gel keeps working 24/7, 365 days a year.

KANBERRA GEL JARS

How to Use:
- Peel off top label, remove lid and inner seal, replace specially designed lid & simply place container where needed
- You will smell our clean, signature scent upon opening – but as Kanberra goes to work, you will smell nothing, just clean air!
- When gel shrinks to a small pellet – refill or replace container
- The effects last around 2-3 months. Evaporation will cease if the contents freeze, but the process will begin again as soon as the temperature allows Kanberra Gel to thaw

716-02453

ORDER NO.	Mfr. No.	Size
Gel Jars		
716-00002	KG02CAN	2 oz. Gel
716-00004	KG04CAN	4 oz. Gel
716-00008	KG08CAN	8 oz. Gel
716-00016	KG16CAN	16 oz. Gel
716-00032	KG32CAN	32 oz. Gel
716-01250	KG01250	1.25 Gal. Pail
Refill Gel Pouch (Resealable)		
716-02453	KG24PCAN	Refill 24 oz.
Sprays		
716-02000	KS002CAN	Spray 2 oz
716-08000	KS008CAN	Spray 8 oz
716-09000	KS64R	Spray Refill, 64 oz
Soap		
716-13000	KGSOAP07	200 ml
716-14000	KGSOAP02	2 oz
716-15000	KGSOAPREFL	Refill 56 oz
Essential Oils & Diffuser		
716-16000-05	KEO 5MLORIG	5 ml
716-16000-15	KEO 15MLORIG	15 ml
716-16000-99	KG-DIFFUSE	Diffuser
Counter Display Rack		
716-00000	KG000WR	Display
Anti-Friction Cream		
716-17000-50	KAFC50	50 gr

Container Size — **Appropriate Usage**

- One 2-ounce container – Small Areas (200-250 sq. ft. or less)
  Examples: Marine: Bilge, head, small cabins, compartments
- One 4-ounce container – Medium Areas (250-400 sq. ft.)
  Examples: Marine: Medium cabins, storage areas, interior galleys, bilge area/head, storage of boats up to 20'
- One 8-ounce container – Larger Areas (400 sq. ft. or larger)
  Examples: Marine: Larger cabins, storage area, storage of boats up to 40'
- One 16-ounce container – Very Large Areas - Marine: Storage of boats up to 60', Residential HVAC Systems (directly in air handler units).

716-13000 716-15000 716-09000

KANBERRA SPRAY®

- Tea Tree Oil formula in a spray – clean air & surfaces.
- Air is odour-free within seconds

716-08000

716-16000-15

716-16000-05

716-16000-99

716-00000

NEW!

KANBERRA ANTI-FRICTION CREAM

716-17000-50

- Works great for boaters, sailors, surfers, or anyone who sweats at work or play
- Creates a soothing layer of protection that prevents chafing & aids in any healing process
- Uses 20 premium ingredients: Tea Tree Oil, Witch Hazel,Lanolin, Aloe Vera, Vitamin B & E & many more
- 50 Gr

For more information see: www.kanberragel.com

AIR PURIFIER/STAIN REMOVER

TEA TREE OIL GEL

Star brite's new TEA TREE OIL products offer a natural solution to unpleasant odors on boats, RVs or in homes and offices. By harnessing the power of Australian tree oil, these products help maintain air quality without the use of perfumes or caustic chemicals. Available in tubs that can be deployed anywhere odors are present.

- Genuine Australian tea tree oil
- Eliminates musty, moldy odours naturally
- Freshens hard surfaces, fabric and the air
- Ideal for winterized boats & year round use
- Keeps air clean and fresh
- Tub allows use anywhere on boat or RV

ORDER NO.	Mfr. No.	Description
409-65040	096504C	Tea Tree Oil Gel, 4 oz. Tub
409-65080	096508C	Tea Tree Oil Gel, 8 oz. Tub
409-65990	096599C	Tea Tree Oil Air Purifier Counter Display ***Contains: (4) 4 oz. Gel, (4) 8 oz. Gel***

For more information see: www.starbrite.com

409-65040

409-65080

409-65990

AIR-DRYR 500 - Say goodbye to mold, mildew & moisture with this simple effective tool!

Air-Dryr is an inexpensive and effective way to fight moisture problems, cold drafts, and corrosion. Designed to operate anywhere, 24 hours a day. Place Air-Dryr on the floor in any damp, enclosed space and plug into a 110/220 volt outlet. The damp air is heated to the point moisture is held in suspension (above dew point), then released through the top vents of the device. As warmed air rises, cooler damp air is drawn in, where it too is heated. Air-Dryr costs no more to operate than the burning of a light bulb. A thermal cutoff turns the unit off should air flow be impeded.

ORDER NO.	Mfr. No.	Description
510-01458	1458	Air-Dryr 1000
510-01459	1459	Air-Dryr 500

Features:
- Neutral beige polycarbonate housing for strength and durability
- Slim and stable; Can be placed out of the way in confined spaces
- Designed for 24-hour operation; Low operating cost
- Safe to the touch; Safe for marine use
- Silent operation; No switch, fan, or thermostat; uses natural convection to circulate the air

Use in Boats
Cabins, v-berths
Bilges, engine rooms

Use at Home or Office
Closets, cabinets, basements, storage units
Tack Rooms, Pump Rooms, RVs, motor homes, trailers, cars, or airplanes

510-01458

510-01459

FSR™ FIBERGLASS STAIN REMOVER

- FSR (Fiberglass Stain Remover) is a unique stain absorbing gel that is thick enough to cling to vertical surfaces. ideal for removing oil, rust, exhaust, yellow waterline and transom stains. Works like magic to clean up fiberglass stains!
- Approved for use by the US Navy.

ORDER NO. 510-00790 Mfr. No. 790
Size: 16 oz.

FSR™ BIG JOB

ORDER NO. 510-00792 Mfr. No. 792
(2.0 Liters)

For more information see: www.davisinstruments.com

For more information see:
www.starbrite.com

LIQUID ELECTRICAL TAPE

- Forms a protective, waterproof, UV resistant, dielectric coating
- Prevents corrosion on wires and terminals
- Patented,UL® tested, fast drying formula
- Cap has convenient brush applicator

ORDER NO. 408-41041 **4 oz. Black**

CORROSION BUSTER PEN

- The amazing spot cleaning brush tip quickly scrubs away rust and corrosion without solvents or harsh chemicals
- Over 20,000 cleaning, glass fibers in a point
- Excellent for cleaning marine radios, fishing reels, lures and much more.

ORDER NO. 409-14011 **1 pen**

MAGIC SCRUB

- Excellent for cleaning stains and mildew from teak
- Use instead of Bronze Wool in all heavy cleaning applications
- Will not rust, splinter, corrode or wear out
- 100's of uses in marine maintenance

ORDER NO 408-84501

ULTIMATE MAGIC SPONGE SCUFF & STREAK REMOVER

The fastest way to remove stains, scuffs and streaks from fiberglass and vinyl surfaces

- For boat, home, auto, RV, & more
- Instantly erases dirt, grime, scuff marks and streaks
- Removes scuffs and stains from vinyl, plastic and fiberglass
- Ideal for walls, appliances, baseboards, showers, tubs and tiles

ORDER NO. 404-10180
Mfr. No. 041018
18 Display Pack

ORDER NO. 404-10080
Mfr. No. 041008C
8 Pack

ULTIMATE WATER ABSORBER

Performance Drying Towel

NEW!

- All-Purpose & super soft
- Safe to use on any gelcoat, fiberglass, or auto finish
- Great for eisenglass & plastic! The smooth towel guarantees drying performance without scratches
- Lint-free, resistant to chemicals, mold, & mildew
- Use to soak up spills or splashes, clean off wet shoes, or even dry your dog before getting on your boat
- Machine washable & & conveniently stores in its own packaging
- Contains (1) 26" x 17" (66 cm x 43 cm) yellow cloth

ORDER NO. 404-00461 Mfr. No. 040046
26" x 17" (66 cm x 43 cm) **Yellow**

ORDER NO. 404-20461 Mfr. No. 042046
26" x 17" (66 cm x 43 cm) **Blue**

ULTIMATE MAGIC SPONGE + SCRUB XTEND

Perfect tool for reaching & eliminating annoying black marks & scuffs on your boat or RV.
Use with a cleaner or soap to amplify cleaning effect.
Great for fiberglass/gelcoat, vinyl, & plastic.

NEW!

- For boat, home, auto, RV, & more
- Instantly erases dirt, grime, scuffs, shoe marks and streaks
- Removes transfer stains from vinyl, plastic, & fiberglass
- Ideal for walls, appliances, baseboards, showers, tubs & tiles
- Great for use on pool water line stains
- Dual-articulating connector allows pad to stay in contact with varying angled surfaces
- Made of non-rusting and non-corrosive components
- (1) Swivel pad 4.5" x 9.75" (11.5cm x 25cm). Yellow side scrubs tough stains; White side erases streaks & scuff marks

ORDER NO. 404-10101 Mfr. No. 041010

NEW!

ULTIMATE MAGIC SPONGE + SCRUB

(Refill Pad for Magic Sponge Xtend)

Swivel pad 4.5" x 9.75" (11.5cm x 25cm)
Yellow side scrubs tough stains;
White side erases streaks & scuff marks

ORDER NO. 404-10111 Mfr. No. 041011

EXTEND-A-BRUSH 8" STANDARD BRUSHES

SOFT WASH BRUSH (YELLOW)

- Constructed of high density fine Star prene* fibers with flagged ends to hold water and cleaning solutions for easier washing
- Will fit all Extend-A-Brush handles
- Will not scratch plastic windows

ORDER NO. 404-00131

MEDIUM WASH BRUSH (BLUE)

- Has medium duty high density Star prene* fibers for all around cleaning of soiled and stained surfaces
- Will fit all Extend-A-Brush handles

ORDER NO. 404-00111

SCRUB BRUSH (WHITE)

- High density, stiff corrugated Star prene* fibers quickly break down heavy dirt and stains
- Great for non-skid and textured surfaces
- Will fit all Extend-A-Brush handles

ORDER NO. 404-00101

***Star prene is a lightweight polymer fiber that does not stain, discolor or become brittle. It resists most cleaning chemicals and withstands heat up to 200°F. This space age material will not rot, mildew or absorb odors.**

EXTEND-A-BRUSH 8" PREMIUM BRUSHES

Lightweight synthetic block combines the beauty of wood with extreme durability. Impervious to exposure to UV rays, cleaning agents and weather. Bumper edges help prevent scuff marks. Fits all Extend-A-Brush handles

SOFT WASH BRUSH (YELLOW)

- Soft fibers with flagged ends are ideal for cleaning fiberglass, metal and most painted surfaces

ORDER NO. 404-01700

MEDIUM WASH BRUSH (BLUE)

- Medium fibers with flagged ends are ideal for cleaning soiled and stained surfaces

ORDER NO. 404-01710

SCRUB BRUSH (WHITE)

- Stiff fibers with flagged ends are ideal for tough cleaning tasks

ORDER NO. 404-01720

EXTEND-A-BRUSH PREMIUM HANDLES

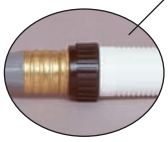
STANDARD EXTENDING HANDLE 3' - 6'

IT FLOATS!

- Constructed of aircraft grade, triple anodized aluminum to provide years of maintenance free use
- Telescoping shafts feature two non-slip hand grips with positive twist lock to provide extension from 3 ft. (91 cm) to 6 ft. (183 cm)
- Stainless steel push button quick connect/disconnect allows for instant attachment of all Extend-A-Brush accessories
- Designed to float if dropped overboard

ORDER NO. 404-00001 Mfr. No. 040000

404-00011



FLOW-THRU EXTENDING HANDLE 3' - 6'

- Attaches to a standard garden hose to make all cleaning tasks quick and easy
- A built-in control valve regulates water pressure for washing and rinsing
- Constructed of aircraft grade, triple anodized aluminum to provide years of maintenance free use
- Telescoping shafts feature two non-slip hand grips with positive twist lock to provide extension from 3 ft. (91 cm) to 6 ft. (183 cm)
- Stainless steel push button quick connect/disconnect allows for instant attachment of all Extend-A-Brush accessories

ORDER NO. 404-00011 Mfr. No. 040001

STANDARD HANDLE NON-EXTENDING 5'

IT FLOATS!

- Has all the features of model # 404-00001 described above, but without the telescoping capability
- 5 ft. (152 cm) fixed length
- Designed to float if dropped overboard

ORDER NO. 404-00031 Mfr. No. 040003

For more information see: www.starbrite.com

EXTEND-A-BRUSH PREMIUM HANDLES...continued

BIG BOAT EXTENDING HANDLE (TELESCOPING)

IT FLOATS!

- Lightweight, yet incredibly strong; special air chambers so it will float if dropped overboard
- Constructed of aircraft grade, triple anodized aluminum to provide years of maintenance-free use
- Telescoping shafts feature two non-slip hand grips with positive twist lock to provide extension from 5' (152 cm) to 10' (304 cm)
- Stainless steel push button quick connect/disconnect allows for instant attachment of all Extend-A-Brush accessories

ORDER NO. 404-00051 Mfr. No. 040005

STANDARD EXTENDING HANDLE 3' - 6' WITH BOAT HOOK

IT FLOATS!

- Pole extends from 3 ft (91 cm) to 6 ft (183 cm) with special fast locking cam action
- Constructed of triple anodized, aircraft grade aluminum for years of maintenance free service
- Quick connect/disconnect allows use of all Extend-A-Brush accessories
- Boat hook is made of unbreakable glass-reinforced nylon
- Special yoke design for easy line handling and pick-ups
- Designed to float if dropped overboard

ORDER NO. 404-00541 Mfr. No. 40054

ECONOMY BOAT HOOK (TELESCOPING)

IT FLOATS!

- Telescoping pole extends from 4 ft. (122 cm.) to 8 ft. (243 cm.) with special fast locking cam action
- Boat hook is made of unbreakable glass reinforced nylon
- Special air chambers make it float

ORDER NO. 404-06091 Mfr. No. 40609

ECONOMY HANDLES WITH SCREW THREAD END

ORDER NO. 404-00881
Wooden Handle (5/16" x 5')

ORDER NO. 404-00071
Economy handle

EXTEND-A-BRUSH BOAT MAINTENANCE KIT

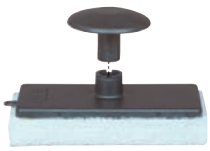
- A complete boat maintenance kit in one box, perfect for virtually every type of boater
- Excellent promotion item for the new boater, Father's Day, Christmas, Birthday, etc.
- Kit stands alone or on a J-Hook

ORDER NO. 404-50011

Kit Contains:

1 – **# 404-00001** Standard Extending Handle
1 – **# 404-00111** Medium Wash Brush
1 – **# 404-00311** Cotton Mop
1 – **# 404-00331** Boat Hook

EXTEND-A-BRUSH SCRUBBER PADS



FINE SCRUB PAD (White)

- Will not scratch fiberglass, metal or painted surfaces
- Attaches to Premium Handles with the use of Star brite's Adjustable Knuckle **(404-00301)**

ORDER NO. 404-00221

MEDIUM SCRUB PAD (Red)

- For all-purpose scrubbing
- Excellent for cleaning teak
- Attaches to Premium Handles with the use of Star brite's Adjustable Knuckle **(404-00301)**

ORDER NO. 404-00211

COARSE SCRUB PAD (Brown)

- For heavy duty cleaning
- Ideal for cleaning boat hulls
- Attaches to Premium Handles with the use of Star brite's Adjustable Knuckle **(404-00301)**

ORDER NO. 404-00201

For more information see: www.starbrite.com

EXTEND-A-BRUSH

Star brite Extend-A-Brush heads are made with Star prene, a lightweight polymer fiber that does not stain, discolour or become brittle. It resists most cleaning chemicals and withstands heat up to 200˚F. This space-age material will not rot, mildew or absorb odors. Star brite poles are constructed with aircraft grade, triple anodized aluminum for years of maintenance-free use.

3' - 6' STANDARD EXTENDING HANDLE WITH 8" SOFT DELUXE BRUSH

- Pole extends from 3' (91 cm) to 6' (183 cm); features two non-slip hand grips and positive twist lock
- Constructed with aircraft grade, triple anodized aluminum for years of maintenance-free use
- Soft bristle 8" deluxe deck brush with bumper has fine Star prene* fibers for all-purpose deck cleaning
- Designed to float if dropped overboard
- 7/8" outer diameter with 3/4" insert

Mfr. No. 040191

ORDER NO. 404-01910

3' - 6' STANDARD EXTENDING HANDLE WITH 8" MEDIUM-DUTY DELUXE BRUSH

- Medium-duty 8" deluxe deck brush with bumper & high density Star prene* fibers for all purpose deck cleaning
- CoPole extendes from 3" (94 cm) to 6" (183 cm)
- SFeatures two non-slip hand grips & positive twist lock
- Designed to float if dropped overboard
- 7/8" outer diameter with 3/4" insert

Mfr. No. 040192

ORDER NO. 404-01920

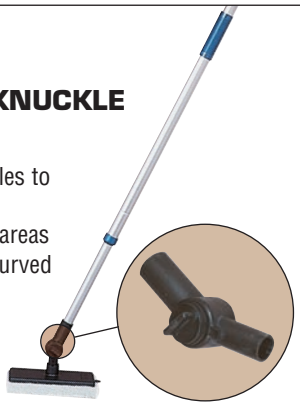
EXTEND-A-BRUSH ADJUSTABLE KNUCKLE

ADJUSTABLE KNUCKLE

- For use with all Extend-A-Brush/Premium Handles to obtain an offset adjustment of scrubber pads
- Helps you get to those hard to reach, awkward areas
- Swivel function allows scrubber pad to follow curved surfaces for effective cleaning
- Molded of glass reinforced nylon for durability

Mfr. No. 040030

ORDER NO. 404-00301



CHAMOIS MOP

- Super absorbent synthetic chamois makes cleaning decks and floors easy
- Will only fit quick connect handles

Mfr. No. 040032

ORDER NO. 404-00321

BOAT HOOK

- Fits all Extend-A-Brush Premium Handles
- Constructed of unbreakable glass reinforced nylon for years of trouble free use
- Special design makes for easy rope handling and pick up

Mfr. No. 040033

ORDER NO. 404-00331

COTTON DIAPER POLISHING CLOTHS (3 Pack)

- Super absorbent, 100% pure cotton diapers, the best cloth for polishing
- Super soft for special cleaning jobs
- Pure Egyptian Cotton for maximum absorbancy

Mfr. No. 040039P

ORDER NO. 404-00391

SCREW THREAD ADAPTER

- Allows use of screw thread accessories with extend-A-Brush Premium Handles
- Constructed of unbreakable glass reinforced nylon for years of trouble free use.

ORDER NO. 404-00341 Mfr. No. 040034

SCRUB BRUSH

- Chemically resistant bristles
- Molded plastic block with comfortable finger indents on the handle
- Medium bristles are great for general cleaning
- Ideal for cleaning all surfaces including vinyl

ORDER NO. 404-00271 Mfr. No. 040027

LONG HANDLE UTILITY BRUSH

- 2" bristle trim
- 20" overall length
- Excellent for cleaning hard to reach baitwells, waterlines, bilges, etc.

Mfr. No. 040026

ORDER NO. 404-00261

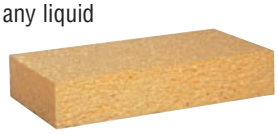
For more information see: www.starbrite.com

CELLULOSE BOAT BAIL SPONGES

BOAT BAIL SPONGE
- Huge bail sponges great for soaking up any liquid
- Absorbs over 1 qt. of liquid
- Super absorbent cellulose construction
- 7-3/4" x 4-1/4" x 2-3/4"

ORDER NO. 404-00751

BOAT BAIL SPONGE
- Huge bail sponges great for soaking up any liquid
- Absorbs over 1 qt. of liquid
- 9" x 4-1/2" x 1-3/4"



ORDER NO. 404-00761

For more information see: www.starbrite.com

SPECIALTY SHAPED CELLULOSE SPONGES

DOG BONE SPONGE
- Easy grip "dog-bone" shape
- Excellent for all washing tasks
- 9" x 5" x 3-1/4"

ORDER NO. 404-00741

CAMCO

MULTI-PURPOSE TELESCOPIC HANDLE WITH BOAT HOOK
- Teardrop profile to keep locking mechanism in line at all times
- Anodized aluminum construction
- Each handle has two non-slip TPE hand grips that float
- Can be used with all Camco brushes and attachments as well as most competitors

Mfr. No. 41912

ORDER NO. 668-41912

HANDLE ATTACHMENTS

BOAT HOOK
- Hook depth of 1.5"

Mfr. No. 41940

ORDER NO. 668-41940

PADDLE BLADE
- 22" Long x 8 Wide"

Mfr. No. 41946

ORDER NO. 668-41946

SOFT BRUSH - DARK BLUE MULTI-PURPOSE
- 7" Wide, soft bristles
- Rubber perimeter bumper
- Compatible with Camco's fixed length or adjustable length multi-purpose handles

Mfr. No. 41922

ORDER NO. 668-41922

MEDIUM BRUSH - YELLOW MULTI-PURPOSE
- 7" Wide, stiff bristles
- Rubber perimeter bumper
- Compatible with Camco's fixed length or adjustable length multi-purpose handles

Mfr. No. 41924

ORDER NO. 668-41924

ADJUSTABLE MARINE WASH BRUSH

Adjusts from 43" up to 71" long. Built-in ON/OFF switch provides full water control. Versatile brush features an 11" wide cleaning head with two types of bristles for maximum cleaning power: White bristles lift dirt and gray bristles brush it away!

Mfr. No. 43633

ORDER NO. 668-43634

ADJUSTABLE BROOM

Full size broom telescopes down to store capacity. Soft-bristled head adjusts to different angles for maximum cleaning power. Handle length is adjustable, too! Handy dustpan clips onto broom handle for storage.

Mfr. No. 43623

ORDER NO. 668-43623

DUST PAN & WHISKBROOM

Small size makes it easy to keep this handy duo close at hand. Whiskbroom snaps into dustpan when not in use. Hanger-hole for convenient storage.

Mfr. No. 43945

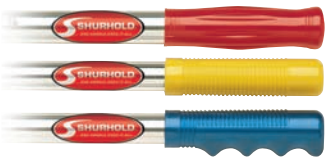
ORDER NO. 668-43945

For more information see: www.camco.net

DECK BRUSHES

SHURHOLD
www.shurhold.com

Shurhold's exclusive SHUR-LOK quick release system positively locks any Shurhold handle quickly and easily with all Shurhold® accessories. The SHUR-LOK design guarantees that Shurhold® attachments will never spin or pop off during use.



Since 1973, Shurhold Industries has been designing and creating the finest quality marine care products. As the original creator of the "ONE HANDLE DOES IT ALL" design, Shurhold® continues to develop products that make every boater's job easier.

HANDLES

- Available in fixed length or telescoping
- Interchangeable design reduces the amount of onboard storage
- Lightweight aluminum
- Marine grade and corrosion resistant

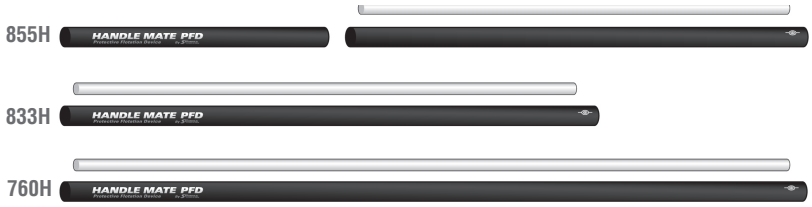
ORDER NO.	Mfr. No.	Description
962-07300	730FG	30" Fixed Length Handle with Finger Grips
962-07400	740	40" Fixed Length Handle
962-07600	760	60" Fixed Length Handle
962-08330*	833	6ft. Telescoping Handle 40"-72" quickly locks at four different lengths
962-08550	855	9ft. Telescoping. Handle 60"-108" quickly locks at five different lengths

*Most popular

HANDLE MATE

A neoprene sleeve that protects your surfaces from scratches and dings. Foam insert adds valuable flotation to your Shurhold handles. U.S. Patent.

ORDER NO.	Mfr. No.	Description
962-07601	760H	5 ft. Fixed
962-08331	833H	6 ft. Telescopic
962-08551	855H	9 ft. Telescopic



BRUSHES

All brushes feature a hard wood base, premium bristles and wrap around safety bumper. Deck brushes have flared bristles and an angled head design from extra soft to stiff.

6" Brushes
Over 45 sq.in. of cleaning surface.

10" Brushes
Over 65 sq.in. of cleaning surface.

Special Application Brushes
Super for windows, hulls, wheels and many more hard to reach places.

ORDER NO.	Mfr. No.	Description
962-09500	950	6" Deck Brush STIFF with white polypropylene bristles
962-09550	955	6" Deck Brush MEDIUM with yellow polystyrene bristles
*962-09600	960	6" Deck Brush SOFT with flagged yellow polystyrene bristles
962-09700	970	6" Deck Brush EXTRA SOFT with blue nylon bristles
962-09800	980	10" Deck Brush SOFT with yellow polystyrene bristles
962-09850	985	10" Deck Brush MEDIUM with yellow polystyrene bristles
962-09900	990	10" Deck Brush STIFF with white polypropylene bristles
962-03100	310	8" Window & Hull Brush EXTRA SOFT with blue nylon bristles
962-00500	50	5" Round Brush SOFT with flagged yellow polystyrene bristles

*Most popular

THE HAMMERHEAD BRUSH

FITS ALL SHURHOLD HANDLES
- The Hammerhead is designed to be compatible with the "One Handle Does it ALL!" system.

QUICK-RELEASE
- Equipped with the SHUR-LOK II, The Hammerhead quickly and effortlessly locks in place with the push of a button. It unlocks just as easily.

ERGONOMIC
- Designed to be used with or without a handle. The contoured body features a non-slip grip that fits comfortably in your hand.

BI-LEVEL DESIGN
- The bi-level design makes it perfect for both hull and deck cleaning essentially one brush for two all-important jobs.

OVER 300 SOFT TUFTS
- Over 300 soft tufts - double the amount on most brushes! Specially designed PVX fibers work to get rid of tough dirt, grime, and salt without damaging the finish.

INTEGRATED BUMPER
- Sleek, thermo-plastic body features an integrated wrap around safety bumper that provides protection from any angle.

Mfr. No. 2110 **ORDER NO. 962-21100**

SHURHOLD CLEAN-N-SIMPLE

SWIVEL PAD & SCRUBBERS

ORDER NO.	Mfr. No.	Description
962-17000	1700	Swivel Pad Base
962-17101	1710C	Swivel Pad & Lambs Wool Cover COMBO
962-17100	1710	Lambs Wool Cover only

Top of the line Water Sprite Mop to be used when nothing but the best will do!

SWIVEL PAD BASE
Universal swivel pad holder.

SWIVEL PAD COMBO
Includes Swivel Pad Base and Synthetic Lambs Wool Cover. Replacement wool covers available.

MOPS & BROOMS

All Shurhold® mops are super-sized.

ORDER NO.	Mfr. No.	Description
962-01120	112	Cotton String Mop
962-01130	113	Soft 'N' Thirsty Mop
962-01170	117	Deluxe "Water Sprite" Mop
962-01200	120	Angled Floor Broom

Cotton String Mop

Soft 'N' Thirsty Mop

Deluxe "Water Sprite" Mop

Angled Floor Broom

SHURHOLD®
www.shurhold.com

High quality maintenance care made for the budget minded boater.
All are marine mate products mounted on a 48" wood handle.

Marine Mate by SHURHOLD MADE IN USA INDUSTRIES 1.800.962.6241 www.shurhold.com

SOFT 'N' THIRSTY MOP
Oversized and super absorbent.

STIFF BRUSH
For those areas that you need to be more aggressive.
7" hard wood block with a wrap around safety bumper and stiff white polypropylene bristles.

SOFT BRUSH
Ideal for most cleaning tasks.
7" hard wood block with a wrap around safety bumper and soft yellow polypropylene bristles.

ORDER NO.	Mfr. No.	Description
962-19600	1960	Marine Mate Brush with Handle (SOFT)
962-19500	1950	Marine Mate Brush with Handle (STIFF)
962-11130	1113	Marine Mate Soft 'N' Thirsty Mop

BOATING

962-01300

BOAT HOOK
Exclusive Shurhold® 3 in 1 design with a line carrying feature, center push-off and basic boat hook.

962-19010

PADDLE
A great safety item for any boat.

962-18040

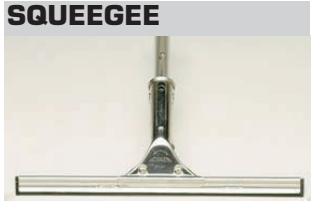
GAFF HOOK
Cast out of one piece of stainless steel includes safety spring guard.

NETS

Shrimp & Shad | Landing | Crab

ORDER NO.	Mfr. No.	Description
962-01300	130	3 in 1 Boat Hook
962-19010	1901	Paddle for use with any Shurhold Handle
962-18040	1804	Stainless Steel Gaff Hook with spring guard
962-18200	1820	Landing Net 17" x 20" x 30" Pear Shape, with tangle resistant nylon netting
962-18220	1822	Crab Net 12" x 13" x 15" with tangle resistant nylon netting
962-18250	1825	Shrimp and Shad Dip Net 17" x 20" Pear Shape with fine mesh netting

SQUEEGEE



- Streak free -12"
- Stainless steel construction

ORDER NO. 962-14120
Mfr. No. 1412

ADAPTERS

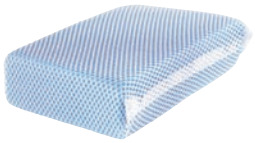
CURVED ADAPTER
Adds 10" and a 30° angle to any SHUR-LOK equipped accessory. Two holes at the end provide for 180° rotation.
ORDER NO. 962-01020
Mfr. No. 102CH

THREADED ADAPTER
Compatible with most internally threaded products.
ORDER NO. 962-01010
Mfr. No. 101

ORDER NO.	Mfr. No.	Description
962-02700	270	Utility Brush
962-02720	272	Scrub Brush
962-02740	274	Dip & Scrub Brush
962-02760	276	Long Dip & Scrub Brush
962-02780	278	Detailing Brush
962-02820	282	Bug & Tar Remover Sponge
962-02840	284	Wash Mitt made from soft, absorbent synthetic fibers
962-02850	285	Deluxe Wash Mitt made from genuine lamb's wool
962-02880	288	Hose Nozzle
962-02930	293	Microfiber Towels Variety 3 Pack
962-02200	220	PVA Towel
962-02100	210	PVA Sponge
962-02510	251	Snap-Stick .45oz Tube
962-02600	260	Shur-Dry Flexible Water Blade
962-02650	265	Shur-Dry Flexible Water Blade Adapter

UTILITY BRUSH
Perfect for upholstery, floor mats, vinyl, canvas and more.

SCRUB BRUSH
Soft comfort handle and safety bumper.



BUG & TAR REMOVER
Non-abrasive, mesh covered.

MICROFIBER TOWELS
Variety 3 pack.
- Polish and shine - Super soft
- Wash and clean - Xtra strong
- Glass and mirror - Lint free

SNAP-STICK
Lubricant that can be applied directly to the head of a snap, along a zipper or even on the barrel of a hinge without causing a mess in the surrounding area. Protects against rain, salt spray, dirt and grime. Won't harm fabric, plastic or metal. One application can last up to three months.

DETAILING

DIP & SCRUB BRUSHES
Stiff chemical resistant bristles. Available in a long 20" or compact design.

DETAILING BRUSH
Excellent to detail teak.

HOSE NOZZLE
Adjustable jet spray.

WASH MITT & DELUXE WASH MITT
- Use wet or dry
- Comfortable fit
- Great for washing and polishing

SHUR-DRY FLEXIBLE WATER BLADE
- Easily molds to curved boats and vehicles, drying any surface in 1/3 the time.
- Eliminates water spotting without chamois & towels

SHUR-DRY FLEXIBLE WATER BLADE ADAPTER
- Adjusts 180˚ and extends the reach of your Flexible Water Blade with a Shurhold handle

DRYING

PVA TOWEL & SPONGE
- Extra large 17" x 27" towel
- Huge 6.5" x 3" x 1" sponge
- Absorbs 50% more than natural chamois
- Lint free
- Resist mold and mildew

SHURHOLD
www.shurhold.com

Ultimate Maintenance Kits are tailored to your customer's Marine product needs. Kits come in a ready-to-tote box.
- **All Kits come packed in a corrugated carry box with handle.**
- **A perfect gift with delivery of a new boat.**
- **Custom Logo available. Call for details.**

ULTIMATE MAINTENANCE KITS

BASIC KIT

Mfr. No. KITMB
ORDER NO. 962-90001

Kit Contains :

962-08330	6' Telescoping Extension Handle
962-09600	6" Soft Deck Brush
962-01120	Cotton String Mop
962-01300	Three-In-One Boat Hook
962-02510	Snap-Stick .45oz Tube

INTERMEDIATE KIT

Mfr. No. KITMI
ORDER NO. 962-90002

Kit Contains :

962-08330	6' Telescoping Extension Handle
962-09600	6" Soft Deck Brush
962-01130	Soft 'N' Thirsty
962-01300	Three-In-One Boat Hook
962-01020	10" Curved Adapter
962-02200	PVA Towel
962-02510	Snap-Stick .45oz Tube

DELUXE KIT

Mfr. No. KITMD
ORDER NO. 962-90003

Kit Contains :

962-08330	6' Telescoping Extension Handle
962-09600	6" Soft Deck Brush
962-01170	Deluxe Water Sprite Mop
962-01300	Three-In-One Boat Hook
962-01020	10" Curved Adapter
962-02200	PVA Towel
962-14120	12" S.S.T. Squeegee
962-02510	Snap-Stick .45oz Tube

BUCKET - 5 GALLON

Forget about rusty metal handles!

- Rope handled bucket
- 3/4" comfort grip nylon braided handle
- Made in the USA
- Black

962-24520
Shown with Base
(Base sold separately)

ORDER NO.	Mfr. No.	Description
962-24520	2452	Bucket only

BUCKET GRATE

- Keeps brushes & mops out of dirty water
- Built-in measuring cups for optimal soap use

ORDER NO.	Mfr. No.	Description
962-24020	2402	Bucket Grate only

BUCKET BASE

- Prevents slipping, scratching & tipping
- It floats
- UV resistant and durable
- Fits most 5 gallon pails

ORDER NO.	Mfr. No.	Description
962-02400	240	Bucket Base only

BUCKET LID/SEAT

- Contoured, durable & Soft
- Protects bucket contents from weather

ORDER NO.	Mfr. No.	Description
962-24030	2403	Bucket Seat only

MULTI-PURPOSE BUCKET SYSTEM

Includes:

The world's best 5 gallon bucket, bucket grate, bucket seat, and bucket caddy.

ORDER NO.	Mfr. No.	Colour
962-24610	2461	White
962-24620	2462	Black

BUCKET CADDY

- Convenient finger grips for easy removal
- Carries & stores cleaning supplies
- Drain holes keeps supplies dry

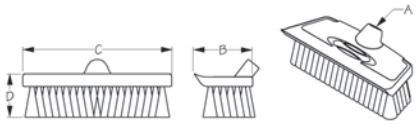
ORDER NO.	Mfr. No.	Description
962-24040	2404	Bucket Caddy only

For more information see: www.shurhold.com

BOAT HOOK SQUEEGEE BRUSH

Injected Molded Nylon/Rubber

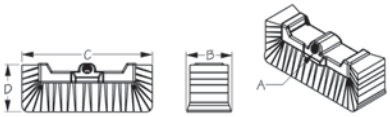
Soft brush with squeegee, fits all Sea-Dog boat hooks.



ORDER NO.	Mfr. No.	A	B	C	D
424-91075	491075-1	Universal	3-1/4"	10-3/8"	2-3/4"

BOAT HOOK THREE SIDED BRISTLE BRUSH

Injected Molded Nylon



ORDER NO.	Mfr. No.	A	B	C	D	Bristle Type
424-91070	491070-1	Universal/Acme Thread	3-1/4"	10-1/2"	3-5/8"	Soft (Blue)
424-91080	491080-1	Universal/Acme Thread	3-1/4"	10-1/2"	3-5/8"	Medium (Yellow)
424-91090	491090-1	Universal/Acme Thread	3-1/4"	10-1/2"	3-5/8"	Stiff (White)

Fits all Sea-Dog boat hooks and all universal/Acme threaded devices. Available in soft, medium and stiff bristles. Side bristles make it easy to clean in hard to reach places.

BOAT HOOK ANGLED THREE SIDED BRISTLE BRUSH

Injected Molded Nylon

ORDER NO.	Mfr. No.	A	B	C	D	Bristle Type
424-91081	491081-1	Universal/Acme Thread	6"	10"	4-5/8"	Medium (Yellow)

Medium bristle angled brush is great for reaching areas below the waterline and overhead hard-to-reach spaces. Fits all SeaDog boat hooks and all universal/Acme threaded devices.

BOAT HOOK SQUEEGEE

Injected Molded Nylon/Silicone

ORDER NO.	Mfr. No.	A	B	C	D	Bristle Type
424-91100	491100-1	Universal/Acme Thread	2"	12-1/4"	4"	Soft (Blue)

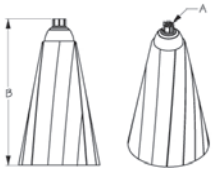
Heavy-duty silicone blade provides a wide (12") coverage area to easily clean and clear any type of window. Fits all Sea-Dog boat hooks and all universal/Acme threaded deices.

BOAT HOOK MICROFIBER MOP HEAD

Injected Molded Nylon/Micro Fiber

ORDER NO.	Mfr. No.	A	B
424-91105	491105-1	Universal/Acme Thread	15"

Soft micro fiber straps provide a gentle and effective cleaning accessory. Fits all Sea-Dog boat hooks and all universal/Acme threaded devices.

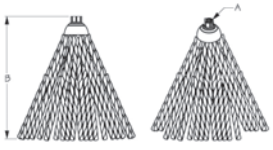


BOAT HOOK COTTON FIBER MOP HEAD

Injected Molded Nylon/Yarn

ORDER NO.	Mfr. No.	A	B
424-91107	491107-1	Universal/Acme Thread	15"

Cotton fiber strands provide an excellent cleaning accessory for areas that require more pressure. Fits all Sea=Dog boat hooks and all universal/Acme threaded devices.



SHURHOLD
www.shurhold.com

DUAL ACTION POLISHER

The original Shurhold Dual Action Polisher is an NMMA innovation award winner! This polisher allows novice users to achieve an incredible high gloss, professional finish. Removes oxidation. The oscillating head eliminates the possibility of burn/swirl marks that are typical of a standard rotary polisher. Wax and polish in half the time. Great for boats, cars and other vehicles.

- 5" Quick change backing plate
- Standard random orbit
- "Soft Touch" head provides comfort

Kit includes:

(1) pad wrench, (1) Standard Side Handle,
(1) Deluxe D Handle, (1) pair of replacement carbon brushes,
(1) Extra long 20 ft. power cord w/ GFCI plug,
(1) Detailed user guide & Canvas storage bag

Foam pads sold separately - See below.

6-Speed Settings	
2500 OPM	Waxing & Buffing
3200 OPM	Waxing & Buffing
3900 OPM	Polishing & Cleaning
4600 OPM	Polishing & Cleaning
5500 OPM	Removing Paint defects & Swirls
6500 OPM	Removing Paint defects & Swirls

ORDER NO. 962-31000
Mfr. No. 3100

SPECIFICATIONS	3100
Rated Voltage	120 V AC
Orbit Diameter Size	8mm (5/16")
Frequency	60Hz/50Hz
Thread Size	5/16" -24
Rated Current	4.2 Amp
Velcro Backing Plate Size	127mm (5")
Rated Power	500 Watt
Polishing Pad Size	140-165mm (5.5"-6.5")
Variable Speed	2500-6500 OPM
Net Weight	2.2 kgs. (4.8 lbs.)
Power Cord	6m (20ft) Heavy duty cable

POLISHER ACCESSORIES

962-31510

962-31520

962-31530

962-31540

ORDER NO.	Mfr. No.	Description
Accessories for Model 3100		
962-31510	3151	6-1/2" Buff Magic Pad, (2 pk)
962-31520	3152	6-1/2" Pro Polishing Pad, (2 pk)
962-31530	3153	6-1/2" Microfiber Bonnet, each
962-31540	3154	6-1/2" Buff Magic Foam Pad, (2 pk)

DUAL ACTION POLISHER PRO

PROFESSIONAL GRADE

The Dual Action Polisher PRO features an XL, 21mm orbit. The increased orbit and pad size make this a more powerful polisher. The unique dual action motion will still protect your finish and give you the professional results you desire. Removes oxidation.

- 6" Quick change backing plate
- 2 Different ergonomic gripping styles
- Ez change carbon brush ports
- Thumb controlled variable speed dial
- Locking "ON" button
- Detailed user guide
- Canvas storage bag
- Extra long 20 ft. power cord w/ GFCI plug

Foam pads sold separately - See below.

6-Speed Settings	
2500 OPM	Waxing & Buffing
3200 OPM	Waxing & Buffing
3900 OPM	Polishing & Cleaning
4600 OPM	Polishing & Cleaning
5500 OPM	Removing Paint defects & Swirls
6500 OPM	Removing Paint defects & Swirls

ORDER NO. 962-35000
Mfr. No. 3500

SPECIFICATIONS	3500
Rated Voltage	120 V AC
Orbit Diameter Size	21mm (13/16")
Frequency	60Hz
Thread Size	5/8" -11
Rated Current	7.5 Amp
Velcro Backing Plate Size	152mm (6")
Rated Power	900 Watt
Polishing Pad Size	178mm (7")
Variable Speed	1800-4800 OPM
Net Weight	2.73 kgs. (6 lbs.)
Power Cord	6m (20ft) Heavy duty cable

962-35520

962-35540

962-35550

ORDER NO.	Mfr. No.	Description
Accessories for Model 3500		
962-35520	3552	7" Soft Foam Polishing & Waxing Pad, Red
962-35540	3554	7" Medium Oxidation Compound Pad, Orange Buff Magic **(Light Cutting Pad)**
962-35550	3555	7" Heavy Oxidation Compound Pad, Blue Buff Magic **(Heavy Cutting Pad)**

DUAL ACTION POLISHER STARTER KIT

Kit Includes:

- (1) Dual Action Polisher
- (1) Pro Polish Pad
- (1) Pro Polish Wax 16 oz Bottle
- (1) Microfiber Towel

ORDER NO. 962-31010
Mfr. No. 3101

For more information see: www.shurhold.com

To properly clean and polish your boat, Shurhold recommends our high quality Yacht Brite line of cleaning chemicals. Yacht Brite cleaners and polishes are carefully formulated to complete the job with out damaging the finishes on your vessel. Protect you investment with our professional grade surface care solution.

SERIOUS MULTI-PURPOSE CLEANER

SMC has been designed to clean a multitude of surfaces including fiberglass, vinyl, carpet, rubber, teak and canvas. SMC was created for the professional detailer, eliminating the need to carry numerous cleaners to each job.* This item is concentrated.
Mix with water 4:1.

- Clearcoat, fiberglass, Carpeting, teak, vinyl, rubber, acrylic canvas
- Easily removes stains, grease, grime, black streaks, and more

ORDER NO.	Mfr. No.	Size
963-03050	YBP-0305	32 oz.
963-03060	YBP-0306	1 U.S. Gal.

PRO POLISH

Pro Polish is a fiberglass/gel coat cleaner, sealant and polish with UV inhibitors that produces an ultra high gloss finish in one easy step. Better than a wax, Pro Polish is formulated with cosmetic grade ingredients and contains no fillers or talc, protecting your finish against sun, salt, acid rain and other harsh environmental elements.

- All Fibreglass and Gel Coat Exterior Surfaces
- Clear Coat and Painted Surfaces
- Glass & Plastic
- Plexiglas
- Stainless Steel/Metal Railings

ORDER NO.	Mfr. No.	Size
963-02020	YBP-0202	16 oz.
963-02030	YBP-0203	1 U.S. Gal.

BRITE WASH

Brite Wash is scientifically formulated to clean fiberglass, metal, rubber and painted surfaces. Brite Wash is environmentally friendly and perfect for cleaning dirt, grease, salt and more without dulling your finish or stripping your wax or polish. Brite Wash is safe and effective on:

- All Fiberglass and Gel Coat Exterior Surfaces
- Clear Eisenglass Panels
- Glass & Plastic
- Canvas/Canopies
- Stainless Steel Railings

ORDER NO.	Mfr. No.	Size
963-03010	YBP-0301	32 oz.
963-03020	YBP-0302	1 U.S. Gal.

MOLDAWAY

Moldaway is an enzyme based oxygenating multi-purpose powder that eliminates mold spores. In addition, Moldaway is excellent as a deep cleaner of any organic stain. This concentrated powder, mixed with water, will make up to 4 gallons of solution.
Moldaway is safe and effective on:

- Canvas • Vinyl • Fabric
- Wood • Plastic
- Fibreglass, Rubber and more!

ORDER NO.	Mfr. No.	Size
963-08010	YBP-0801	12 oz.

SERIOUS SHINE

Serious Shine cleans, polishes and protects virtually any solid surface in one easy step, leaving no greasy, artificial residue. Also, contains UV inhibitors and anti-static properties, further protecting all types of surfaces. Serious Shine is the perfect quick detailer.
For best results use with our Microfiber Towels.

- Fiberglass
- Paint
- Metal
- Vinyl
- Clear Plastic
- Glass
- Plexiglas
- Rubber
- Hardware

ORDER NO.	Mfr. No.	Size
963-07010	YBP-0701	14 oz. Aerosol

BUFF MAGIC - "2003 NNMA Innovation Award Winner"

Buff Magic is a fiberglass reconditioner and deoxidizer.
Buff Magic Pink is also an incredible metal polish. It has been formulated to be user friendly whether buffing by machine or hand.

- All Fibreglass and Gel Coat Exterior Surfaces
- Glass & Plastic
- Plexiglas
- Stainless Steel/Metal Surfaces and Railings
- Brass fittings and fixtures

ORDER NO.	Mfr. No.	Size
963-01010	YBP-0101	22 oz.
963-01030	YBP-0103	10 Lb.

SHURHOLD CLEAN-N-SIMPLE

For more information see: www.shurhold.com

Star brite®

Marine Descaler

84000C
(ready-to-use)
CC # 408-40001

83900C
(concentrated)
CC # 408-39000

Water-Based Waterproofing

82222C
CC # 408-22221

82200C
CC # 408-22001

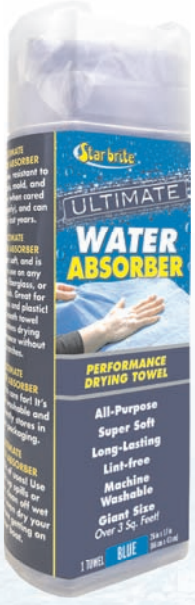
ULTIMATE

Magic Sponge +Scrub

41011
CC # 404-10111

ULTIMATE

Water Absorber



42046 (Blue)
CC # 404-20461

ULTIMATE

Magic Sponge +Scrub Xtend

41010
CC # 404-10101

www.STARBRITE.com

Clean & Protect Your Boat

409-75321

409-32221

408-77641

408-76161

409-88321

409-62321

409-59321

409-89321

ULTIMATE FABRIC GUARD

- Helps block UV rays that cause fading & drying
- Restores water repellency to older fabrics
- Ideal for protecting boat covers and tops, awnings, cushions, tents, tarps and other outdoor fabrics

ORDER NO. 409-75321
Size: 32 oz.

ULTIMATE XTREME CLEAN

- Special chelating agents break the bond that holds dirt or stains to surface wirthout heavy scrubbing
- Phosphate-free, safe for use on or near the water; runoff won't harm sealife or cause algae blooms
- Cleans fiberglass, vinyl, plastic, metal and infatable boats

ORDER NO. 408-32221
Size: 22 oz.

ULTIMATE ALUMINUM CLEANER/RESTORER

- Formulated to clean and restore dull aluminum pontoon boats, canoes and jon boats
- Use Ultimate Aluminum Polish as step 2.

ORDER NO. 408-77641
Size: 64 oz.

ULTIMATE ALUMINUM POLISH W/ PTEF®

- Formulated to preserve the finish of aluminum pontoon boats, canoes and jon boats
- PTEF® polymers provide UV protection and help repel dirt and stains
- Use after Aluminum Cleaner/Restorer to enhance the look of older boats

ORDER NO. 408-76161
Size: 16 oz.

ULTIMATE XTREME PROTECTANT

- Protects fiberglass, gel-coat, carbon fiber, vinyl, plastic, rubber, and finished leather from fading and cracking
- Enhances shine and appearance of all treated surfaces

ORDER NO. 409-88321
Size: 32 oz.

ULTIMATE VINYL CLEAN

- Formulated to remove tough stains, greasy smears and grime
- Tough on dirt, won't harm vinyl
- Contains no harsh acids or caustic cleaners
- Engineered for use on vinyl, plastic, rubber and leather surfaces
- Use on boat upholstery, car, RV, interior/exterior

ORDER NO. 409-62321
Size: 32 oz.

ULTIMATE VINYL GUARD WITH PTEF

- Enhances appearance and UV protection to all vinyl, rubber, plastic and leather surfaces
- Formulated to restore suppleness to vinyl exposed to sunlight and leather
- Special polymers helps repel stains

ORDER NO. 409-59321
Size: 32 oz.

ULTIMATE FIBERGLASS STAIN REMOVER

- Gel formula "sticks" where applied for maximum cling time and cleaning power
- Removes "yellowing" and tough waterline and many more

ORDER NO. 409-89321
Size: 32 oz.

Kit Contains:
(1) Boat Wash 16 oz
(1) Ultimate Xtreme Clean, 32 fl. oz.
(1) Star Tron® Gasoline Additive, 8 fl. oz.
(1) Ultimate Vinyl Guard Spray 32 fl. oz.
(1) Ultimate Xtreme Protectant 32 fl oz.
(1) Ultimate Fiberglass Stain Remover Spray (Gel) 32 fl. oz.
(1) Reggae Microfiber Mitt (Blue)
(1) Ultimate 5 gallon bucket

ULTIMATE BOAT CARE KIT

ORDER NO. 408-37041
Mfr. No. 083704C

For more information see:
www.starbrite.com

PREMIUM MARINE POLISH WITH PTEF®

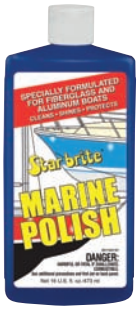
For Zero-Light Oxidation

- The ultimate protection for fiberglass, metal & painted surfaces
- UV inhibitors help stop fading and oxidation
- Leaves a super smooth, no stick PTEF® coating which reduces drag and repels dirt, grime, oil and stains

Easy to apply by hand or with a buffer for professional detailer results, even by first-time users.

ORDER NO. 408-57161 16 fl. oz.
ORDER NO. 408-57321 32 fl. oz.

MARINE POLISH



- Keeps your boat looking like new
- Equally good for new and older boats
- Helps stop fading from UV rays
- No hard rubbing required
- Lasts up to 4 times longer than other polishes
- Removes light scratches and swirl marks

ORDER NO. 408-01161 16 fl. oz

BOAT GUARD SPEED DETAILER & PROTECTANT WITH PTEF

- Uses high-tech polymers that bond to fiberglass, polished metal, plastics, rubber and painted surfaces to add shine, enhance colour and provide a barrier to UV damage
- Restores shine to rubrails
- Extends time between full waxing or polishings
- Gently removes dirt & grime

ORDER NO. 408-10221 22 fl. oz.

PREMIUM RESTORER WAX WITH PTEF

Heavy-duty, one-step formula that easily removes medium to heavy chalk & oxidation while leaving a durable, protective coating.

ORDER NO. 408-60161
Mfr. No. 086016C 473 ml

NEW!

ONE STEP PREMIUM CLEANER WAX WITH PTEF®

- Cleans and restores fibreglass, metal & painted surfaces & leaves a protective coating, all in one step
- Wipe on & wipe off to remove oxidation, chalk & fading from dull fibreglass
- Leaves a polymer coating with UV inhibitors to maintain restored surface

ORDER NO. 408-96161 16 oz.
ORDER NO. 408-96321 32 oz.

For more information see: www.starbrite.com

Proud Sponsor CPS • ECP Fier Commanditaire

Natural MARINE

NATURAL MARINE MARINE POLISH

Outperforms them all, money-back guarantee!
A blend of polishes makes this a premium grade product which contains the ultimate UV sunscreen protection. Excellent on fiberglass, chrome, and painted surfaces.

ORDER NO. 791-50451
Size: 450 mL

NATURAL MARINE EASY SPRAY BOTTOM WAX

An easy to apply bottom wax to protect your hull against water absorption. Foul release keeps your hull cleaner longer and easier to maintain. Increases top end speed in fibreglass or aluminum hulls. Safe to apply and moor your boat in environmentally sensitive harbours.

Eco Rated

ENVIRO GLOBAL

ORDER NO. 791-54301 Size: 400 mL

For more information see: www.alexmilne.com

TOUCHLESS SEALANT

A quick & easy alternative to wax

NEW!

- Superior water beading
- Protects up to 6 months
- Works on all exterior surfaces
- Lasts 2X longer than traditional wax
- Leaves a deep, wet shine

ORDER NO. 773-130371
Mfr. No. 130371 946ml

For more information see: www.303products.com

LIQUID RUBBING COMPOUND

- Removes stains, medium/heavy oxidation, scratches
- For fiberglass, metal and painted surfaces
- Convenient liquid formula
- For hand or buffer application
- Does not "set up" like most rubbing compounds so removal is quick & easy
- Apply in direct sunlight
- Professional's choice

ORDER NO. 408-13161
16 oz. Medium

For more information see:
www.starbrite.com

3M

3M™ MARINE CLEAN & SHINE WAX

3M™ Marine One Step Clean and Shine Wax is a quick and easy, "spray on/wipe off" product that recaptures that "just waxed" look and feel. Excellent for use on wet or dry surfaces; no water needed! May also be used to enhance the shine of your boats fibreglass gelcoat, marine topside paint, painted aluminum or metal parts. Simply spray on sections that are still wet after washing and rinsing, & revitalize the finish by wiping the surface dry.

ORDER NO. 600-90331 Mfr. No. 09033 **500 mL**

3M™ MARINE RUBBING COMPOUND

Recommended for **HEAVY** aggressive compounding of oxidized gelcoat and marine paint. Clings to paint and gelcoated surfaces-remains wet on the job with little or no mess. Maintains a high rate of cut with constant pressure. Buffs to high gloss with minimum of swirl marks. Can be used by hand or by machine. Contains no wax or silicone.

ORDER NO. 600-90040 Size: 16 fl. oz.
Mfr. No. 09004

SCOTCHGARD™ MARINE LIQUID WAX

Designed for the harsh marine environment and provides protection from the sun's damaging ultraviolet rays. Safe for use on fiberglass, gelcoat, marine topside paints, and marine metals.

ORDER NO. 600-09061 500 mL
Mfr. No. 09061

3M™ MARINE FIBREGLASS CLEANER & WAX

Designed to remove **LIGHT to MEDIUM** oxidation, clean, polish and protect fibreglass/gelcoat and marine topside paints. Unique liquid formulation combines a compound with a special blend of waxes which restore shine and protect in one application.

ORDER NO. 600-90091 Size: 16 fl. oz.
Mfr. No. 09009

For more information see: www.3m.com/marine

BOAT CLEANERS

COLOUR RESTORERS

NATURAL MARINE FIBERGLASS COLOUR RESTORER

Outperforms competitive products, guaranteed!
Restores original colour to weathered fiberglass.
Added UV sunscreen for long-lasting results.

ORDER NO. 791-50761 Size: 450 mL

For more information see: www.alexmilne.com

FIBERGLASS COLOR RESTORER WITH PTEF®

- Brings back original color and lustre
- Removes heavy oxidation, chalking, fading
- Seals surface to protect against future fading and weathering
- Easy to use
- Will not scratch or harm gelcoat
- Excellent for all dark colored boats

ORDER NO. 408-18161
Size: 16 oz.

BLACK STREAK/RUST REMOVERS /CLEANERS

BLACK STREAK REMOVER

- Non corrosive. Biodegradable
- Quickly removes stains caused by water runoff.
- Fast acting formulation for increased effectiveness
- Suitable for gel coat, aluminum, vinyl and painted surfaces.
- Biodegradable and phosphate free.
- Excellent as a general purpose cleaner.

(Eco Certified)

ORDER NO.	Mfr. No.	Size
706-02201	220	935 ml
706-02211	221	4 L
706-02220	222	20 L

For more information see: www.captainphab.com

INSTANT BLACK STREAK REMOVER

- Quickly removes black streaks caused by water run off
- Safe for use on fiberglass, metal and painted surfaces
- Can be used for 1000's of other tough cleaning jobs- bathrooms, tubs, showers.
- Will not remove wax or polish

ORDER NO. 407-16001
1 gal
ORDER NO. 407-16221
22 fl. oz.

RUST REMOVER

- Easy to use spray on formula
- No rubbing or scrubbing required
- Safe for use on fiberglass, metal & painted surfaces
- Removes rust drip stains & sprinkler rust deposits

ORDER NO. 408-92221 **22 fl. oz.**

For more information see: www.starbrite.com

INFLATABLE CLEANERS

INFLATABLE AND VINYL CLEANER

- Water-based and solvent free
- Removes chalking and extra stubborn soil really fast.
- Works great on scuff marks, algae, greasy crud, silt, minerals and decayed vegetation.
- Biodegradable
- 100% safe on all inflatable surfaces.

(Eco Certified)

ORDER NO.	Mfr. No.	Size
706-02561	256	935 ml

For more information see: www.captainphab.com

DECK CLEANERS

NON-SKID DECK CLEANER WITH PTEF®

- Cleans away ground-in dirt and stains
- Safe to use, contains no harsh chemicals
- Leaves a protective coating to repel dirt and stains
- No hard scrubbing or rubbing required
- Will not remove wax or polish
- An effective, all-surface cleaner for fiberglass, vinyl, plastic, metal and painted surfaces

ORDER NO.	Mfr. No.	Size
408-59001	085900NC	1 Gal
408-59321	085932PC	32 fl. oz.

NON-SKID DECK WAX WITH PTEF®

- Provides a non-slippery polymer barrier that helps keep decks clean
- Improves appearance of all non-skid surfaces
- UV inhibitors protect against fading/chalking from UV exposure
- Ideal for protecting all fiberglass and painted surfaces
- Use after Star brite Non-Skid Deck Cleaner for best results

ORDER NO.	Mfr. No.	Size
409-73160	097316C	16 oz.

For more information see: www.starbrite.com

NON-SKID DECK WASH (Eco Certified)

- Strong foaming action loosens & removes deep-seated dirt.
- Rinses thoroughly and brightens dull surfaces.
- Non-Phosphate and biodegradable.

ORDER NO.	Mfr. No.	Size
706-02301	230	1 L
706-02311	231	4 L
706-02320	232	20 L

For more information see: www.captphab.com

NATURAL MARINE NON-SKID DECK TRACTION WAX

For use on topsides and non-skid to improve wet deck grip. Formula seals, shines and provides UV protection. No chalking, for easy removal.
'The wetter the deck the better it grips'.
Eco Rated
ORDER NO. 791-50701
Size: 450 mL

For more information see: www.alexmilne.com

VINYL WINDOW CLEANERS

PLASTIC PLUS™ ANTI-STATIC PLASTIC CLEANER AND POLISH

- Specifically formulated to polish all plastics.
- Makes scratches less visible by sealing the pores of the plastic.
- Leaves a high quality anti-static film that is smudge and streak free.
- May be used on clear, tinted and coloured plastics, lexan, plexiglass and other acrylics.

ORDER NO.	Mfr. No.	Size
706-05991	599	370 g
706-05981	598	500 ml Sprayer

"GOOD TO GO" UV PROTECTANT

- Protects vinyl, rubber and plastic from harmful UV rays
- Lasts 2 to 3 times longer than other brands
- Excellent for inside and outside. Boats and vehicles

ORDER NO.	Mfr. No.	Size
706-05651	565	500 ml

For more information see: www.captainphab.com

NO DAMP DEHUMIDIFIERS

NO DAMP® DEHUMIDIFIER

- Dries air to level that prevents musty odors
- Unique inner basket design increases efficiency and life of unit
- 12 oz. container is ideal for protecting boat cabins, closets, small rooms or safe
- 36 oz. container is perfect for salons, engine rooms, campers, basements, garages or other large areas

ORDER NO. 408-54121
Mfr. No. 085412C **12 oz container**

ORDER NO. 408-54011
Mfr. No. 085401C **36 oz container**

NO DAMP® ULTRA DOME DEHUMIDIFIER

- Dries air to level that prevents musty odors
- Unique design of basket and dome makes this the most effective dehumidifier available
- Special pellet formula absorbs maximum airborne moisture
- The Ultra Dome's large size makes it perfect for protecting large boats, RV's and other larger enclosed areas

ORDER NO. 408-54601
Mfr. No. 085460C
24 oz. Treats 1,800 cu. ft. area

NO DAMP® DEHUMIDIFIER REFILLS

- Refills all No Damp® Dehumidifiers
- Add right on top of remaining chemical
- Economical to use

ORDER NO. 408-54001
Mfr. No. 085400C **12 oz. Pkg**

ORDER NO. 408-54501
Mfr. No. 085450C **48 oz. Bag**
(Replaces 408-54481)

NEW!

NO DAMP® HANGING MOISTURE ABSORBER DEHUMIDIFIER

- Absorbs airborne moisture to help prevent mildew smells
- Eliminates mildew odor and other musty odors
- Protects boats in storage, vacation homes, basements and other enclosed areas

ORDER NO. 408-54701 **16 oz (each)**
Mfr. No. 085470C

ORDER NO. 408-54720 **16 oz (25 pc. - Bulk Pack)**
Mfr. No. 085472C

NO DAMP® DISPLAY

Display Includes:
ORDER NO. 408-54121
(12) No Damp® Dehumidifier Bucket
ORDER NO. 408-54501
(4) No Damp® Dehumidifier Refill
ORDER NO. 408-54601
(4) No Damp® Ultra Dome Dehumidifier
ORDER NO. 408-54701
(6) No Damp® Hanging

DISPLAY ORDER NO. 408-54990
Mfr. No. 085499C

MARINE CHEMICAL & POLISH DISPLAY

Display Includes:
(6) Black Streak Remover, 22oz. (71622PC) (CC No. 407-16221)
(6) Hull Cleaner, 32oz. (81732PC) (CC No. 408-17321)
(6) Mildew Stain Remover, 22oz. (85616C) (CC No. 408-56161)
(6) Premium Marine Polish, 32oz. (85732C) (CC No. 408-57321)
(6) Deck Cleaner (Non Skid), 32oz. (85932PC) (CC No. 408-59321)
(6) One Step Heavy Duty Cleaner Wax, 32oz. (89632C) (CC No. 408-96321)
(6) Super Orange Cleaner/Degreaser, 22oz. (94222C) (CC No. 409-42220)
(6) Super Orange Boat Wash, 32oz. (94532C) (CC No. 409-94532)

ORDER NO. 408-36900
Mfr. No. 083690C

For more information see: www.starbrite.com

Star brite Sea Safe
Sea Safe® is more than a line of products; it's a way of life.

SEA SAFE BOAT WASH

- Environmentally friendly, biodegradable formula
- Cleans away dirt, stains, grease, oil, salt
- Use on fiberglass, metal, glass, rubber and painted surfaces
- Concentrated for heavy duty cleaning
- Will not remove wax or polish
- No phosphates — Low sudsing

ORDER NO. 408-97321
Mfr. No. 089732PC
32 fl. oz

SEA SAFE HULL CLEANER

- Removes waterline stains and rust stains from all fibreglass surfaces.
- No rubbing required
- Environmentally friendly
- Contains no solvents, strong acids or harsh chemicals
- Simple wipe or spray on, rinse off formula

ORDER NO. 408-97381
Mfr. No. 089738PC
32 fl. oz

Star brite

BOAT CARE IN A BUCKET

Contains:
1 Marine Polish 16 fl. oz. (80116)
1 Boat Wash 16 fl. oz. (80416)
1 Hull Cleaner 32 fl. oz. (81732)
1 Vinyl Brite 8 fl. oz. (80308)
1 Vinyl Shampoo 16 fl. oz. (80216)
1 Super Absorbent Sponge
1 Star brite Boat Bucket (40050)

- Great starter kit for the new boater
- Unbreakable bucket perfect for all marine washing chores
- Everything fits into bucket for convenient storage

Mfr. No. 083701C
ORDER NO. 408-37011
1 Bucket (Each)

For more information see: www.starbrite.com

Taylor Made

Power Pro 40V Portable Pressure Washer

NEW!

Uses Include:
Boat interiors & exteriors, kayaks, bikes, ATVs, RVs, docks, piers, seawalls, windows, siding, outdoor furniture, decks, patios, walkways, & much more

FEATURES:

- 520 Max PSI
- Lightweight & easy to transport
- Complete with (2) 40V lithium Ion batteries
- High & low pressure settings
- Long nozzle & rotatable nozzle included
- 6-in-1 spray attachment
- 25 oz. soap bottle
- Up to 28 minutes of battery life at max power
- 4 hour charging time per battery

ORDER NO.	Mfr. No.
111-12444	12444

For more information see: www.taylormadeproducts.com

Captain PHAB

BOAT SOAP (Eco Certified)

- Eco-Certified and pH balanced for high performance & not to remove wax & polishes from surface
- Proven superior formulation
- Strong foaming action loosens & removes deep-seated dirt
- Brightens dull surfaces
- Rinses thoroughly
- Strong enough to remove imbedded stains, gentle enough for regular cleaning
- Non-Phosphate, Non-Corrosive, Biodegradable

ORDER NO.	Mfr. No.	Size
706-02101	210	1 L
706-02111	211	4 L
706-02120	212	20 L

For more information see: www.captainphab.com

Natural MARINE

Proud Sponsor CPS • ECP Fier Commanditaire

NATURAL MARINE BOAT SOAP

CONCENTRATED! Removes oil, grease, dirt from gelcoat, wood, vinyl, canvas, carpet, engines and sails. Neutral pH won't strip wax. Leaves wax intact.
Eco Rated.

ORDER NO. 791-60281 900 ml.
ORDER NO. 791-60301 Size: 4 L
ORDER NO. 791-60290 Size: 20 L

NATURAL MARINE IT'S A MIRACLE BOAT CLEANER

Spray & wipe, formula enables dirt and grime to roll off. Ideal on fiberglass, non-skid, vinyl, and chrome.
Eco Rated.

ORDER NO. 791-50361
Size: 450 mL

Starbrite®

BOAT WASH IN A BOTTLE

- Biodegradable
- Leaves hulls, decks, chrome and fittings sparkling
- Economical; a few capfuls cleans a 20 ft. boat
- Non-streaking, does not leave residue

Mfr. No. 080400NC
ORDER NO. 408-04001 1 gal.
Mfr. No. 080416PC
ORDER NO. 408-04161 16 fl. oz.

For more information see: www.starbrite.com

BOAT/YACHT CLENZ

- Cleans & revitalizes any marine surface including decks, hulls, non-skid, fenders, chrome
- Removes black streaks & mildew stains
- Great for fiberglass, aluminum, inflatables & pontoons
- Non-scratch formula
- Hose or rinse off with damp cloth
- Use white abrasive brush on stubborn stains
- Size: 450 ml **Eco-Rated**

ORDER NO. 791-60981
Mfr. No. 6098
Replaces 791-60971 (Boat Yacht Scrub)

For more information see: www.alexmilne.com

3M

3M™ SHARPSHOOTER™ EXTRA STRENGTH NO-RINSE MARK REMOVER

Special Features:

- Removes stubborn marks, spots, and stains from almost any washable surface including vinyl, fiberglass, ceramic, porcelain, chrome, grout, stainless steel, & Formica®
- No rinsing required
- Ready-to-use formulation
- 946 ml spray bottle

ORDER NO. 600-25047 Mfr. No. C-25047-946ML

For more information see: www.3m.com/marine

ULTIMATE ALUMINUM CLEANER / RESTORER

- Formulated to clean and restore dull aluminum pontoon boats, jon boats and canoes
- Use Ultimate Aluminum Polish as Step 2 when removing stains and restoring older boats
- Convenient 64 fl. oz. size with sprayer for easy application

ORDER NO.408-77641 64 fl. oz.

For more information see: www.starbrite.com

ULTIMATE ALUMINUM POLISH WITH PTEF®

- Formulated to preserve the finish of aluminum pontoon boats, canoes and jon boats
- PTEF® polymers provide UV protection and help repel dirt and stains
- Use after Aluminum Cleaner/Restorer to enhance the look of older boats

ORDER NO.408-76161 16 fl. oz.

ALUMINUM MAGIC

- Acid replacement technology using organic salts with magic results.
- Non-corrosive and eco-friendly
- Professionally clean & strip any bare aluminum with ease and safely.
- Non regulated
- Very easy to use and gives professional results without the use of harsh chemicals.
- Leaves a bright satin aluminum finish. Also cleans stainless steel and rust stains.
- Clear coat safe

ORDER NO.	Mfr. No.	Size	
706-05851	585	935 ml	
706-05871	587	4 L	DG
706-05860	586	20 L	DG

For more information see: www.captainphab.com

NATURAL MARINE ALUMINUM BOAT GEL BOTTOM CLEANER/BRIGHTENER

This unique organic GEL cleaner is easy and safe to use to whistle clean fiberglass, aluminum, painted hulls, and outdrives. Removes algae and marine growth. Gel clings to hull. Brush on - Hose off

ORDER NO. 791-66001
Size: 900 ml
ORDER NO. 791-66011
Size: 4 L
ORDER NO. 791-66020
Size: 20 L

For more information see: www.alexmilne.com

3M™ MARINE ALUMINUM RESTORER AND POLISH

(For pontoons and aluminum boats)

Designed to remove oxidation growth and stains and restore a lustrous appearance to bare aluminum. Use sparingly, a little bit goes a long way. Also removes heavy oxidation and restores shine to most painted aluminum surfaces. We recommend testing on small inconspicuous painted areas to determine suitability. **Size: 18 oz.**

ORDER NO. 600-90201 Mfr. No. 09020

For more information see: www.3m.com/marine

DG **Subject to Dangerous Goods Fee**

HULL & BOTTOM CLEANERS

XTRA FAST HULL CLEANER - Septic Safe

Extra strong - Not for consumer use

- Full strength acid based formulation
- Removes mineral deposits, waterline stains and barnacles
- Suitable for fresh water and salt water applications
- Apply by brush, roller or sprayer.
- For use by professionals only. Appropriate safety attire required when using this product

(Not for resale to consumers)

ORDER NO.	Mfr. No.	Size	
706-03831	383	980 ml.	
706-03841	384	4 L	DG
706-03850	385	20 L	DG
706-09900	990	**Spigot** for 20 litre / Pail	

HULL AND BOTTOM CLEANER

- Contains a blend of four naturally derived acids in a gelled formulation to rid of algae and stain deposits
- Biodegradable detergent low odor, non fuming
- Gentle acid based formulation with strong cleaning power
- Biodegradable detergent action removes oil and greasy residues
- Suitable for all gel coat, wood, aluminum, painted and other metal surfaces

ORDER NO.	Mfr. No.	Size	
706-03761	376	1 L	
706-03771	377	4 L	DG
706-03780	378	20 L	DG
706-09900	990	**Spigot** for 20 litre / Pail	

SLIME, GRIME AND STAIN REMOVER ALGAE AND RUST STAIN REMOVER

(Outperforms Slimy Grimy)

- Suitable for fiberglass, gel coat, metal, wood & concrete
- Concentrated and economical, 450 gms make 20 litres
- Quickly removes algae, rust and most mildew stains
- Much easier on lungs and skin than strong acids

ORDER NO.	Mfr. No.	Size
706-03801	380	450 g
706-03811	381	50 lb

ORIGINAL PURPLE CLEANING CONCENTRATE

ORIGINAL PURPLE™

(Eco Certified)

- Can be diluted up to 50:1 for excellent economy.
- Great as a multi-purpose cleaner and degreaser.
- Biodegradable - no abrasives.
- Rinses completely for a sparkling surface.

ORDER NO.	Mfr. No.	Size
706-02341	234	935ml
706-02351	235	1 L
706-02361	236	4 L
706-02370	237	20 L

XTREME CLEAN - SPILL CLEAN 100% CONCENTRATE

(Eco Certified)

- Heavy duty water based degreaser that can be diluted 1:100 with water
- Cleans dirt and corrosion from painted surfaces, fiberglass, vinyl, upholstery, formica, stainless steel, chrome, copper, mildew and acid rain
- Works wonders where others won't
- Breaks down, repairs gasoline and oil droplets so they can be more effectively biodegraded by natural bacteria
- Readily Biodegradable
- Non-corrosive
- Non toxic, non-petroleum
- No phosphates or VOC's
- Leaves residue
- Meet OSHA/WHMIS safety standards

ORDER NO.	Mfr. No.	Size
706-02151	215	1 L
706-02160	216	20 L

H.P. ACTIVATOR ENVIRONMENTAL CHOICE HULL & BOTTOM CLEANER

- Formulated to react with oxygen to blast apart deep set algae growth on the side of fiberglass and aluminum boat hulls
- Fully biodegradable formulation for minimal aquatic toxicity and user friendly benfits
- This robust formula utilizes activated hydrogen peroxide technology that offers odorless, effortless professional results with a dwell time of 5 to 10 minutes
- Works best on fresh, moist algae formation
- Safe to use on aluminum, steel, gel coat, wood & painted surfaces

NOTE: 12 Month Shelf Life

ORDER NO.	Mfr. No.	Size
706-03721	372	935 ml. / ea. (12/case)
706-03731	373	4 litre / ea. (4 /case)
706-03740	374	20 litre / Pail
706-03750	375	205 litre / Drum
706-09900	990	**Spigot** for 20 litre / Pail

FAST HULL CLEANER

Brush or spray on, allow 5 to 10 minutes in ambient temperature, then rinse it off. For use on fiberglass only. Easy to use and works instantly. This is a buffered acid cleaner. Formulated to ease End-of-the Season haul out cleaning. Removes waterline stains, algae stains, rust and gas exhaust stains. Excellant for Great Lakes applications and barnacles.

ORDER NO.	Mfr. No.	Size	
706-03961	396	1 liter / ea. (12/case)	
706-03861	386	4 litre / ea. (4 /case)	DG
706-03870	387	20 litre / Pail	DG
706-09900	990	**Spigot** for 20 litre / Pail	

DG **Subject to Dangerous Goods Fee**

For more information see: www.captainphab.com

ONE UP RUST & STAIN REMOVER

• Do-It-Yourself • User Friendly
• Fast Acting • Odor Free • Biodegradable

Removes rust, algae and tannin stains from fiberglass boat hulls. Use for effortless cleaning of fiberglass boat hulls, stainless steel, fabrics, clothing, concrete, wood , copper, rims, vehicles, brake dust, leaf stain, carpets, bathtubs, sinks, chrome and most painted surfaces. Will also clean ceramic grout. Removes grease and organic stains from concrete (scrub with brush). **Not for pontoon boat cleaning.**

ORDER NO.	Mfr. No.	Size
706-03881	388	1 liter / ea. (12/case)
706-03890	389	20 litre / Pail
706-09900	990	**Spigot** for 20 litre / Pail

For more information see: www.captainphab.com

EZ-ON EZ-OFF BOTTOM CLEANER

- Cleans boat bottoms, quickly removing deposits and tough stains.
- Is water based and has an environmentally friendly formula.
- Special buffered hydrochloric acid formula is safer to use than traditional phosphoric & hydrochloric acid-based cleaners.

ORDER NO. 409-28321 32 oz

INSTANT HULL CLEANER

- Does not contain harmful acids, safe and easy to use
- Quickly removes stains from water line
- Excellent for use on fiberglass, metal and painted surfaces

ORDER NO. 408-17001 1 Gal.
ORDER NO. 408-17321 32 fl. oz.

BOAT BOTTOM CLEANER

- Removes deposits on boat bottoms, scum line and rust stains quickly and easily
- Water based, environmentally friendly, biodegradable formula
- Will not harm fiberglass when used as directed
- Special patented buffering process makes this product safer than other acid based bottom cleaners

ORDER NO. 409-22321 32 fl. oz

For more information see: www.starbrite.com

HULL CLEANER - GEL SPRAY

- Gel formula "sticks" where applied for maximum cling time and cleaning power
- Completely covers stains to penetrate and dissolve them
- Specifically formulated to remove the toughest stains, including rust, dried fish blood and leaf stains
- Works on all fiberglass and painted surfaces; ideal for vertical surfaces
- Does not contain harmful acids, safe and easy to use

ORDER NO. 409-61320 32 fl. oz.

NATURAL MARINE SLIME BE GONE

Odourless boat bottom cleaner removes mildew, 'tea' and other stains on fiberglass and teak. Concentrated oxalic acid granular formula.

ORDER NO. 791-50181
Size: 450 Gr
ORDER NO. 791-50171
Size: 3.6 Kg

For more information see: www.alexmilne.com

NATURAL MARINE BOAT BOTTOM CLEANER

The leading industry formula used by marine professionals to instantly remove the toughest, dried on algae, waterline, barnacles and zebra mussel stains.

ORDER NO. 791-50111 Size: 900 ml
ORDER NO. 791-50121 Size: 4 L →
ORDER NO. 791-50130 Size: 20 L → DG
ORDER NO. 791-50140 Size: 205 L Drum →

DG Subject to Dangerous Goods Fee

Captain PHAB

WATER & STAIN REPELLENT

- Prevents water penetration of boat tops, tents & awnings.
- Remains flexible and allows fabric to breathe.
- Dries clear and odorless.
- Prevents fabric rotting & degradation.
- Safe of freeborn particulates after application & PFOA free.
- Contains UV blockers.
- Suitable for natural or synthetic fabrics.

ORDER NO.	Mfr. No.	Size
706-05811	581	425 g
706-05821	582	935 ml
706-05831	583	4 L

For more information see: www.captainphab.com

WATERPROOFING WITH PTEF®

- For boat covers, bimini tops, sail covers, clothing, tents
- Does not change the color or feel of fabric
- Safe for all fabrics including Sunbrella®

ORDER NO. 408-19001
1 Gal.
ORDER NO. 408-19221
22 fl. oz.

WATER-BASED WATERPROOFING

NEW!

A Game Changer!!

- Adds & restores water repellency to new, delicate, aged, worn, or sun-damaged fabrics of any quality
- Solvent-free, low-odor,
- **WILL NOT** damage the protective layers of new generation fabrics

ORDER NO. 408-22001
Mfr. No. 082200 **1 Gal.**
Coverage: 465 Sq. Ft.

ORDER NO. 408-22221
Mfr. No. 082222 **22 fl. oz.**
Coverage: 80 Sq. Ft.

COMMERCIAL GRADE SPRAYER

NEW!

Bottle with premium sprayer.

ORDER NO. 408-132032
Mfr. No. 132032 946 ml capacity

For more information see: www.starbrite.com

3M

SCOTCHGARD™ FABRIC AND UPHOLSTERY PROTECTOR

An effective, safe, easy do-it-yourself-at-home method of treating fabrics. Offers convenient and lasting protection against soil, stains and rain.

ORDER NO. 600-63746
Mfr. No. 4106-10-6CA
Size: 283 g.

For more information see: www.3m.com/marine

Proud Sponsor CPS • ECP Fier Commanditaire

Natural MARINE

NATURAL MARINE BOAT TOP WATERPROOF

A concentrated PTFE formula for the ultimate in waterproof protection. Protects canvas and synthetic tops from UV rays.
Eco Rated

ORDER NO. 791-58841
Size: 400mL

For more information see: www.alexmilne.com

303 AEROSPACE PROTECTANT™

Powerful UV screening treatment prevents fading, cracking and premature aging. Restores lost colour and luster; dries to a clear matte finish. Safe and effective for vinyl, rubber, plastics, plexiglass, carbon fiber, and finished leathers. No other product provides this much protection for your boat and water gear. Use 303® Aerospace Protectant to keep your boat's seats, hull and windows clean and protected. Aerospace Protectant is a premium protectant designed to safeguard boats and boat equipment against the damaging effects of daily exposure to UV rays.

Note: Use only on clean surfaces. For best results use 303® Multi-Surface Cleaner™

Features/Benefits

- Powerful UV blockers prevent fading, cracking & premature aging
- Leaves a dry, matte finish
- No oily or greasy residue
- Restores lost luster & colour
- Easy to use: Simply spray on & wipe dry
- Safe and effective for: Vinyl, Plexiglass, carbon fiber, rubber, plastics & finished leather

ORDER NO.	Mfr. No.	Size
773-130340	130340	473ml
773-130313	130313	946ml
773-130370	130370	3.79L

303® MULTI-SURFACE CLEANER™

303® Multi-Surface Cleaner™ provides the ultimate cleaning power that rinses residue free. Safety brightens and rejuvenates all water-safe surfaces. It leaves surfaces looking new every time. Contains no harsh chemicals, caustic or acids. Thoroughly clean your boat from bow to stern. safe for all types of upholstery and vinyl, 303® Multi-Surface delivers robust cleaning agents that safety remove the most difficult of stains. Ideal for use PRIOR to treating fabrics with 303® Fabric Guard™ or treating hard surfaces with 303® Aerospace Protectant™.

Features/Benefits

- Ultimate cleaning power
- Leaves no residue: Just spray on and wipe or rinse off
- Brightens & rejuvenates surfaces
- For use on all water-safe surfaces

ORDER NO.	Mfr. No.	Size
773-130207	130207	946ml

303® FABRIC GUARD™

303® Fabric Guard™ keeps fabrics fresh, soft, colourful and breathable... all while adding a powerful coating to repel water and prevent the most serious of stains. 303® Fabric Guard™ is the only product recommended by and for Sunbrella®, as well as other fabric manufacturers to restore lost water and stain repellency to fabrics. 303® Fabric Guard™ restores lost water and stain repellency to straight-from-the-factory levels.

Note: Use only on thoroughly cleaned fabrics.
For best results use manufacturer-recommended 303® Multi-Surface Cleaner™

Features/Benefits

- Professional grade water repellency
- Manufacturer tested and approved
- Superior protection from oil & water based stains
- Safe for ALL fabrics, including natural fibers & synthetics
- Use on fabric awnings, RV covers, fabric convertible tops
- Seals seams
- Will not alter color of fabric

ORDER NO.	Mfr. No.	Size
773-130616	130616	473ml
773-130606	130606	946ml
773-130674	130674	3.79L

For more information see: www.303products.com

SUPER CLEAN

Product Characteristics

- A tough task cleaner / degreaser that solubilizes grease on contact neutralizing its ability to stick.
- A powerful, industrial strength formula that is biodegradable, phosphate-free and non-abrasive.
- Removes grease, oil, wax, tar and dirt quickly and effectively.
- Apply full strength for tough tasks. For lighter cleaning, dilute up to 1: 64 with cold water.

Applications

- Fiberglass Hulls & Decks
- Vinyl Seats
- Engines & Chrome

ORDER NO.	Size	
108-01013	1 x 946 ml (Each)	
108-01016	1 x 3.78 L (Each)	
108-01017	20 Litre Pail	DG
*108-01018	208 Litre Drum	

***Special Order**

Note: Avoid contact with car exteriors, motorcycles, glass and prolonged exposure with aluminum. Super Clean is corrosive. Glove and eye protection should be worn.

For more information see: www.wakefieldcanada.com

DG **Subject to Dangerous Goods Fee**

NATURAL MARINE VINYL CLEANER

Professional Results

- Cleans, revitalizes, deodorizes, helps extend vinyl life
- Easy spray & wipe
- Dirt, bird droppings, spider marks

Eco Rated

ORDER NO. 791-50281
Size: 450ml

For more information see: www.alexmilne.com

VINYL CLEANER & SHAMPOO

- Quickly removes dirt and most stains
- Use on vinylized canvas, chairs, cushions, foul weather gear
- Gets out deeply embedded grime
- Won't streak, stain, or discolor vinyl
- Excellent for all interior and exterior vinyl
- Concentrated formula
- Biodegradable

ORDER NO. 408-02161 **16 fl. oz**

VINYL CLEANER & POLISH

- A revolutionary new formula unlike any other vinyl polish, protectant or treatment
- Formulated to deep-clean vinyl to remove embedded grime; leaves a barrier against UV & dirt
- Leaves a long lasting, waterproof protective coating
- Keeps vinyl soft and supple, helps prevent drying out and cracking
- UV protection shields against sun's harmful rays

ORDER NO. 409-10161 **16 fl. oz.**

ULTIMATE VINYL GUARD with PTEF

- Enhances appearance and UV protection to all vinyl, rubber, plastic and leather surfaces
- Formulated to restore suppleness to vinyl exposed to sunlight and leather
- Special polymers bond to treated surface to form a barrier that helps repel stains and damaging UV rays; acts like a sunblock for vinyl surfaces
- Can be used as often as needed to keep vinyl looking great

ORDER NO. 409-59321 **32 fl. oz.**

VINYL CLEANERS

3M™ MARINE OUTDOOR VINYL CLEANER, CONDITIONER & PROTECTOR

Designed to clean, condition and protect marine vinyl and rubber components. Unique gel formula provides durable protection in exterior, as well as interior applications. Gel formula gives you better application control than liquids. A little bit goes a long way.

ORDER NO. 600-90231 **Size: 8 fl. oz.**
Mfr. No. 09023

3M™ MARINE VINYL CLEANER & RESTORER

Cleans, shines, conditions, and protects vinyl, rubber and plastic surfaces. Deep cleans dirt and grime, enhances appearance. Restores natural sheen, protects surfaces. Fresh lemon scent.

ORDER NO. 604-09029 **Size: 15 fl. oz.**
Mfr. No. 09029

For more information see: www.3m.com/marine

ULTIMATE VINYL CLEAN

- Formulated to remove tough stains, greasy smears and grime
- Tough on dirt, won't harm vinyl
- Contains no harsh acids or caustic cleaners
- Engineered for use on vinyl, plastic, rubber and leather surfaces
- Use on boat upholstery, car, RV, interior/exterior

ORDER NO. 409-62321 **32 fl. oz.**

For more information see: www.starbrite.com

Captain PHAB

MOLD AND MILDEW REMOVER
(Eco Certified)

- Products works by itself with minimal physical scrubbing or labour
- Colour safe formulation
- Will not deteriorate fabrics or stitching
- Non chlorine fumes or off-gassy
- Fresh pleasant scent
- Removes mildew and musty odors
- Lifts black mildew pigments off hard and soft surfaces

ORDER NO.	Mfr. No.	Size
706-02501	250	935 ml
706-02511	251	4 L

For more information see: www.captainphab.com

AWNING & FABRIC CLEANER
(Eco Certified)

- Strong enough to remove tree sap, bird droppings, soot and air-borne dirt.
- Water-based and completely biodegradable.
- Suitable for all natural and synthetic fabrics.
- Rinses thoroughly-does not dull surfaces.

ORDER NO.	Mfr. No.	Size
706-02451	245	935 ml
706-02461	246	4 L

3M

3M™ MARINE MILDEW BLOCK

- Formulated for Marine Applications
- Designed to help prevent mildew from reforming
- Use with 3M™ Marine Stain Remover to deliver that one - two punch in mildew prevention.

ORDER NO. 600-09065 Mfr. No. 09065
500 ml spray bottle / case (6)

For more information see: www.3m.com/marine

3M™ MARINE MILDEW STAIN REMOVER

- Formulated for Marine applications
- Can be used on most surfaces where mildew grows
- Clings to vertical surfaces to minimize runoff
- Use with 3M™ Marine Mildew Block to deliver that one - two punch in mildew prevention

ORDER NO. 600-09067 Mfr. No. 09067
500 ml spray bottle / case (6)

Star brite

MILDEW STAIN REMOVER

- Removes mildew stains on contact
- Simple spray on application
- Use on vinyl covers, headliners, cushions, etc.
- Provides amazing results in minutes
- Safe for all surfaces
- Does not weaken fabric

ORDER NO. 408-56161 22 fl. oz. Spray

ORDER NO. 408-56000 3.78 Litre

ULTIMATE FABRIC CLEANER

Ultimate Fabric Clean is formulated to dissolve and remove grease, grime, fish blood, food spills and more. Special polymers then bond to treated surface to help repel future stains and protect from UV damage. Ready to use spray is simple and easy for spot cleaning or for treating large areas.

- Removes dirt, bird droppings and more
- For all synthetic and natural outdoor fabrics
- Won't affect color or feel of fabric
- Ideal for all marine, RV and outdoor fabrics

ORDER NO 409-21320
32 fl. oz.

For more information see: www.starbrite.com

BOAT CLEANERS/HAND CLEANERS

MARINE SPRAY NINE®

- Multi-purpose marine cleaner and disinfectant
- Kills germs and bacterial odours above and below deck
- Removes tough stains and yellowing with little effort
- Quickly cleans fish and bait soils, algae, gas & oil, black streaks, as well as heel and scuff marks
- Controls mold and mildew on carpets, vinyl and hard surfaces

Applications: Boats, hulls, fibreglass, galleys, jet skis, camping equipment, RV's, trailers, personal watercraft, awnings, coolers, vinyl and bait buckets.

ORDER NO.	Mfr. No.	Size
051-04010	C27946	946 mL.- Spray (Marine Label)
051-26804-4L	C26804	4 litre.- Bottle (Non Marine Label) **Contains Marine Formula**
051-03000	C26820	5 Gallon Pail (Non Marine Label) **Contains Marine Formula**

BOAT BOTTOM CLEANER

- Unique gel formula restores hulls leaving a deep glossy finish
- Removes boat foiling, oil slick, algae and rust stains above and below the water line
- Non-abrasive alternative to harsh acidic cleaners
- Quick and easy to use in just 5 minutes

Applications: Fibreglass, plastic, metal and wood hulls.

ORDER NO.	Mfr. No.	Size
052-30832	C30832	946 mL.- Bottle

GREZ-OFF®

- Professional strength heavy-duty degreaser
- Quickly breaks down heavy grease, oil, tar, hydraulic fluid, lubricants and grime
- Safe on metal, plastic, vinyl, rubber, fibreglass
- Non-flammable, non-acidic and VOC compliant
- Contains no petroleum solvents
- No harsh fumes or unpleasant odours
- Ready-to-use formulation
- Biodegradable

Applications: Engines, shop machinery, concrete floors, asphalt, walls, tools, industrial and farm equipment, workbenches, stainless steel, chrome, exhaust hoods, gas grills, range hoods.

ORDER NO.	Mfr. No.	Size
051-12532	C12532	946 mL.- Spray (Non Marine Label) **Contains Marine Formula**
051-12501	C12501	4 Litre.- Bottle (Non Marine Label) **Contains Marine Formula**

For more information see: www.spraynine.ca

FAST ORANGE® HAND CLEANER - NATURAL ORANGE CITRUS

Infused with MicroGel Technology

Pumice Lotion

- No petroleum solvents
- Biodegradable
- Nontoxic
- Removes the toughest dirt, grease, grime, soils
- Contains premium skin conditioners including lanolin, aloe vera and jojoba

ORDER NO. 814-23218 Mfr. No. 23218
Smooth Lotion Size: 3.78L (128 fl. oz.)

ORDER NO. 814-25219 Mfr. No. 25219
Pumice Lotion Size: 3.78L (128 fl. oz.)

PERMATEX® FAST ORANGE® XTREME PROFESSIONAL HAND CLEANER

with/ Ultra Cherry Scent

Superior Cleaning Power!

Advanced Skin Protection!

- Removes the toughest grease and grime
- Powerful hand cleaner
- Neutralizes the smell of gasoline, oil and other scents
- Cleans quickly and deeply
- Advanced skin conditioners protect hands against drying and cracking

Suggested Applications: Removes grease, grime, tar, adhesives, asphalt, carbon, epoxies, tile cement, oil, paint, odors, ink, and much more!

ORDER NO. 814-25619 Mfr. No. 25619
Fine Pumice Lotion Size: 3.78 L (128 fl. oz.)

For more information see: www.permatex.com

BILGE CLEANERS

ONE SHOT BILGE TREATMENT
(Eco Certified)
- Biological and Environmentally friendly.
- Contains petroleum digesting enzymes to clean and remove oil, gasoline and diesel residues and foul odors
- Pour into bilge and leave minimum 48 hours to incubate digestion of hydrocarbons that will be promoted through rocking motion of hull in water

ORDER NO.	Mfr. No.	Size
706-02051	205	1 L

HEAVY DUTY BILGE CLEANER
- Biodegradable
- Easy to use; just pour in, run boat, pump out
- Dissolves and eliminates grease, scum and sludge

ORDER NO. 408-05001
1 Gal.
ORDER NO. 408-05321
32 fl. oz.

For more information see: www.starbrite.com

BILGE CLEANER
(Eco Certified)
- Water-based and biodegradable.
- Non-Butyl, no phosphates
- Adds to oily bilge to reduce or eliminate contamination
- Emulsifies, disperses and neutralizes bilge waste prior to discharge
- Effectively degrades oily waters containing oil, diesel or gasoline, helping to prevent water contamination

ORDER NO.	Mfr. No.	Size
706-02011	201	1 L
706-02021	202	4 L

For more information see: www.captainphab.com

NATURAL MARINE BILGE CLEANER
Emulsifies oil and gas to help prevent explosions.
Keeps bilges clean, fresh and odour free.
Eco Rated

ORDER NO. 791-60311 900 ml.
ORDER NO. 791-60331 4 Litre.

For more information see: www.alexmilne.com

ODOUR & STAIN REMOVER

ODOR STOP

- Odorless, environmentally friendly.
- Captures odors in seconds for indefinite relief.
- Used as an air or surface spray.
- Works on smoke, pet happenings, moth balls, human waste, skunk, petroleum fuels.

ORDER NO.	Mfr. No.	Size
706-02981	298	935 ml
706-02991	299	4 L

ZYME ZAPPER

- Outstanding for removing stains and odors (Decomposes oils, greases, pet soils, beverages, blood and decaying matter)
- Excellent for controlling mold and mildew.
- Many uses - heads and bathrooms, galleys, lockers, bilges, carpets, fabrics, fish and bait boxes.
- All natural action, water based, non-toxic, non polluting.

ORDER NO.	Mfr. No.	Size
706-04211	421	1 L
706-02401	240	935 ml
706-02411	241	4 L

URETHANE CAULKING REMOVER

Breaks down the bond for all types of caulk & adhesives including cured polyurethane.

- Breaks the bond, but does not break down the adhesive material itself
- Can simply be peeled away without damaging the surface
- Will not harm gelcoat, clear coat, plexiglass, Awlgrip®, Imron®

ORDER NO.	Mfr. No.	Size
706-06181	618	200 gr (8 oz.)

AIR DRY GRANULAR

Refill for all granular moisture traps

- Removes excess moisture from the air
- Great for RV's, boats, trailers, & home
- Size: 4 litre

ORDER NO. 706-02941
Mfr. No. 294

For more information see www.captainphab.com

SPECIALTY CLEANERS

AD OFF GRAPHIC LABEL/DECAL REMOVER

Adhesive Remover

- Water or solvent clean-up
- No petroleum solvents
- Biodegradable
- Reuseable spray bottle included

ORDER NO.	Mfr. No.	Size
706-06101	610	535 ml

ANIMAL REPELLENT

Stops Wild and Domestic animals from chewing, nibbling, licking, gnawing, eating or biting.

- Odourless, non-toxic
- Registered with Health Canada

NEW!

ORDER NO.	Mfr. No.	Size
706-05571	557	400 gr Aerosol
706-05581	558	3.78 L

IPA 70 HAND CLEANSER

Isopropyl Alcohol Solution 70%

Very important to use an alcohol based hand sanitizer on hands & surfaces to help protect against viruses, however should be reapplied before & after potential contact with viruses.

NEW!

ORDER NO.	Mfr. No.	Size
706-82850	82850	500 ml

ISOCARE FAST RTU DISINFECTANT

Formulated to disinfect hard non-porous, inanimate surfaces such as floors, walls, metal, stainless steel, porcelain, glazed ceramic tile, plastic surfaces, bathrooms, shower stalls, bathtubs & cabinets. High contact areas such as door handles, railings, steering wheels etc...

- Registered with Health Canada

NEW!

ORDER NO.	Mfr. No.	Size
706-82616	82616	1 Litre
706-82604	82604	4 Litre Jug
706-82620	82850	20 Litre Pail

NATURAL MARINE MOSQUITO-LESS

An effective natural environmentally friendly repellant for controlling mosquitoes. A natural garlic base that keeps mosquitos off your property. Mosquitos are 10,000 times more sensitive to garlic oil than humans, and once the solution is detected, these pests will leave the immediate area for several weeks. Suitable for cottages, home and gardens, resorts, sport areas, RV's and marinas. Ready to use concentrated solution, easy application with hose sprayer or garden pump. Spray in calm, cool temperatures on top and bottom of all vegetation, grass, trees, and structures. **Eco Rated.**

791-42001

ORDER NO. 791-42001 Mfr. No. 4200 Size: 900 ml, **Hose End Sprayer,** Treats up to a 1/4 acre, 3000 sq. ft. For larger areas, cottage, backyard, pool area, marinas

ORDER NO. 791-44001 Mfr. No. 4400 Size: 900 ml, **Ready-To-Use Hand Pump Sprayer,** 300 sq. ft. For smaller area, decks, hot tubs, BBQ area, tents

ORDER NO. 791-12531 Mfr. No. 12531 Size: 900 ml, **Concentrate**, Treats up to a 1/4 acre/3000 sq. ft. For larger areas, cottage, backyard, pool area, marinas

ORDER NO. 791-12532 Mfr. No. 12532 Size: 20 litre, **Commercial,** Treats up to 5 acres

For more information see: www.alexmilne.com

SPIDER SPOT & BIRD DROPPING REMOVER

For Decks, Boat Tops and Non-Porous Surfaces

- Dissolves messy spider & bird droppings
- Safe for use around children & pets
- Contains no bleach
- Natural formulation
- Will not remove waxes & polishes
- Non-toxic

ORDER NO.	Mfr. No.	Size
706-02901	290	935 ml

INSECT REPELLENT

High strength - Low Odor

- Contains 25% DEET
- Extremely effective
- Highly concentrated
- Repels mosquitoes, chiggers, ticks, deer flies, stable flies, black flies, gnats, fleas, mites and more.

ORDER NO.	Mfr. No.	Size
706-91306	91306	142 g

For more information see: www.captainphab.com

SPIDER CONTROL

- Low odour natural ingredients. Use for controlling spiders, ants, earwigs, flies, fleas, ticks, roaches and centipedes
- Extension spout reaches into cracks and crevices where spiders hang out and lay eggs
- Works instantly
- Acts as a deterrent for the return of crawling insects for up to 8 weeks. Reg. No. 32925 P.C.P. ACT.

ORDER NO.	Mfr. No.	Size
706-05551	555	350 g

IN-SPEC

Kills crawling and flying insects. Broad spectrum insecticide repels spiders, ants, flies & roaches. Residual effect for long lasting performance.

- Water based – non-petroleum
- Safe for the environment
- Odorless
- No sticky residue
- Non-staining on water safe surfaces
- Biodegradable ingredients & WHMIS controlled

ORDER NO.	Mfr. No.	Size
706-05561	556	1 L

WASP & HORNET BLASTER

Kills wasps, hornets, yellow jackets and bees

- Natural ingredients
- Non chlorinated
- Has a dielectric strength of 40,100 volts
- Allows for safe use around wiring and electrical services
- High power stream shoots an incredible 25 feet

ORDER NO.	Mfr. No.	Size
706-91320	91320	450 g (20 oz.) Aerosol

NATURAL MARINE SPIDER SPOT REMOVER

Lifts water, spider and seagull spots on its own! Ideal on all stubborn stains including black streaks, mildew and leaf, on most surfaces including fiberglass, vinyl, canvas, fenders, & teak.

Eco Rated

ORDER NO. 791-50561

Size: 450mL

For more information see: www.alexmilne.com

LUXGUARD MAX SPIDER & ANT KILLER

0.35% Permethrin

- Water-based insecticide for indoor/outdoor use
- Fast acting, safe, long lasting & effective control against spiders, brown dogticks, earwigs, fleas, ants, & cockroaches
- Lemongrass scent, non sticky residue
- Non-foamy, non-greasy, non-flammable

ORDER NO. 241-00003 Size: 1L Bottle w/Sprayer

For more information see: www.luxormarine-rv.ca

BIRD & SPIDER STAIN REMOVER

- Quickly dissolves messy spider & bird droppings
- Non toxic, all-natural formula
- Contains no bleach; safe for use around pets & kids
- Will not remove polish or wax

ORDER NO.	Mfr. No.	Size
409-95122	095122PC	22 fl. oz.

PLASTX™ CLEAR PLASTIC CLEANER & POLISH

- Removes fine scratches, cloudiness & stubborn oxidation
- Vital conditioning oils restore optical clarity, while highly water resistant polymers provide long-lasting durable protection
- Non-toxic and does not contain any harsh solvents

ORDER NO. 752-12310
Mfr. No. G12310C **Size: 10 oz.**

BOAT/RV WASH

- Safely removes grime and dirt without stripping wax protection. Biodegradable, economy size wash produces long lasting suds with a refreshing scent.

ORDER NO. 752-04364
Mfr. No. M4364C
Size: 64 oz.

VINYL & RUBBER CLEANER/ CONDITIONER

- Cleans, revitalizes, and protects vinyl and rubber surfaces in one easy step. Screens out damaging UV rays that can dry out or crack the surface.

ORDER NO. 752-05716
Mfr. No. M5716C **Size: 16 oz.**

BOAT/RV HIGH GLOSS POLISH

- Restores brilliant gloss on fiberglass and painted marine or RV surfaces after cleaning. Restores valuable oils to feed and nourish the fiberglass or painted surfaces. Especially effective on dark colors.

Use wax only after the surface has been cleaned and restored to a "like new" or "average" finish.

ORDER NO. 752-04516
Mfr. No. M4516C **Size: 16 oz.**

ONE STEP COMPOUND

- This advanced aggressive, yet safe compound will clean and restore gloss to the gel coat surface in one step. Removes moderate to heavy oxidation, scratches, stains and tough water spots. Restores colour and leaves a rich gloss on the treated surface. Apply by hand or machine for incredible results.

ORDER NO. 752-06732
Mfr. No. M6732 **Size: 32 oz.**

OXIDATION REMOVER

- Removes moderate oxidation, scratches, stains and tough water spots on all fiberglass gelcoat marine or RV surfaces. Restores color by effectively removing surface degradation.

ORDER NO. 752-04916
Mfr. No. M4916C **Size: 16 oz.**

ONE STEP CLEANER WAX

- A non-abrasive formula that cleans, polishes and protects all fiberglass gelcoat marine or RV surfaces in one easy step. Removes light oxidation and haze, minor scratches and swirls while providing long-lasting protection against salt, air, corrosion and the sun's ultraviolet rays.

ORDER NO. 752-05016
Mfr. No. M5016C **Size: 16 oz.**
ORDER NO. 752-05032
Mfr. No. M5032C **Size: 32 oz.**

PURE WAX

- Durable high gloss protection for all fiberglass gelcoat marine or RV surfaces. Blend of pure Brazilian carnauba wax with silicones, polymers and resins to maintain extraordinary gloss and protection.
  Protects against the sun's ultraviolet rays.

Use wax only after the surface has been cleaned and restored to a "like new" or "average" finish.

ORDER NO.752-05616
Mfr. No. M5616C **Size: 16 oz.**

FLAGSHIP PREMIUM MARINE WAX

- Dramatically enriches color and shine of fibreglass and gelcoat surfaces. Effective in removing light oxidation and dullness, restoring gloss, and adding protection from UV damage.

Use wax only after the surface has been cleaned and restored to a "like new" or "average" finish.

ORDER NO. 752-06316 Mfr. No. M6316C
Size: 16 oz.
ORDER NO. 752-06332 Mfr. No. M6332C
Size: 32 oz.

QUICK WAX

- The spray wax method can quickly add protection and gloss to large surfaces typical on boats and RV's. Whether the surface is wet or dry, this specialized formulation will create a brilliant gloss while adding wax protection. Suitable for use on fiberglass, painted surfaces, stainless steel, and clear plastics.

Use wax only after the surface has been cleaned and restored to a "like new" or "average" finish.

ORDER NO. 752-05916
Mfr. No. M5916C **Size: 16 oz.**

For more information see: www.meguiarscanada.com

HYBRID CERAMIC WAX

NEW!

- Easy to use: Just spray on, rinse off, and dry!
- Less effort and mess: No rubbing, curing, or buffing
- Hybrid ceramic wax protection: Advanced SiO2 hybrid technology delivers ceramic wax protection
- More than a wax: Protection and durability beyond conventional wax
- Water beading protection: Ceramic wax protection with extreme water beading action

ORDER NO. 752-190526

Mfr. No. G190526C **Size: 26 oz. (768 ml)**

FINAL INSPECTION

- Fast, mist on and wipes off to remove fresh contaminants & maintain a showroom shine ...anywhere, anytime
- Perfect for removing residue after buffing
- Safe and effective on all paints including clear coats
- Excellent as clay lubrication
- **Paintable:** Safe for use in a paint shop environment

ORDER NO. 752-03416

Mfr. No. M3416C **Size: 10 oz.**

MIRROR GLAZE PROFESSIONAL HI-TECH YELLOW WAX

NEW!

High Gloss Paint Protection.

- Provides excellent protection against the elements
- Made with the highest grade Brazilian Number One Yellow Carnauba Wax
- Contains polymers, resins, & silicones for extraordinary durability
- Applies on & off easily & does not dry white
- Safe & effective for all paints including clear coats

ORDER NO. 752-02616

Mfr. No. M2616C **Size: 16 oz. (473 ml)**

GOLD CLASS PREMIUM PASTE WAX

Premium Carnauba Plus protecting Polymers.

- Strong, long lasting protection removes fine swirls, preserves the finish leaving it brilliantly reflective.
- Safe for clear coats & all paint types
- Deeper reflections with a more brilliant shine
- Use by hand, or with a dual action polisher
- Includes high quality soft foam applicator

ORDER NO. 752-07014

Mfr. No. G7014JC **Size: 11 oz. (311g)**

NEW!

HOT RIMS WHEEL & TIRE CLEANER

Xtreme Cling™ grabs & dissolves brake dust & grime.

NEW!

- Safe on clear coated wheels

ORDER NO. 752-09524

Mfr. No. G9524C **Size: 24 oz. (710 ml)**

HOT SHINE TIRE SPRAY

Gives tires deep, black wet look for weeks.

- Offers high gloss ultra lustre
- Adjustable spray nozzle gives exact control over the 3-way spray pattern for specific tire dimensions (Narrow Low-Profile, Medium Standard Profile, Wide Large High Profile)
- Prevents cracking, browning & premature aging
- Treats approximately 50 tires per can

ORDER NO. 752-12115

Mfr. No. G12115C **Size: 15 oz. (425g)**

NEW!

7" SOFT BUFF™ ROTARY FOAM CUTTING PAD

NEW!

Designed for use with Rotary Polisher.

- Improved foam technology cuts through moderate surface defects with less swirls
- Reduced operating temperature
- 7" pad size reduces chatter resulting in smooth, easy buffing
- Recessed backing for easy centering
- For use with rotary polisher & WRBP or WRSBP backing plate

ORDER NO. 752-00007

Mfr. No. WRFC7

APPLICATOR PADS - Package of 4

Reusable & Machine Washable!.

- For use on paint, wheels, tires & windows
- Non-scratching tight celled foam for safe, even application of polishes & waxes
- Clear coat safe

ORDER NO. 752-00004

Mfr. No. W0004

NEW!

MICROFIBER PLUSH WASH MITT

Single Pack - Large (7.5" x 11.5") (19cm x 29cm)

- Clear coat-safe, scratch-free performance
- Ultra plush microfiber lifts & traps dirt
- Easy-care machine washable

ORDER NO. 752-03002

Mfr. No. X3002

NEW!

For more information see: www.meguiarscanada.com

CLEANERS

BILGE CLEANER

- Environmentally Safe - Biodegradable
- Emulsifies oil and scum
- Non-foaming, biodegradable formula cleans without phosphates and leaves pleasant fragrance
- Water-based degreaser also cleans carpets, upholstery, fabrics, concrete and removes mold and mildew stains
- Great for fish and baitwells

ORDER NO. 843-11021
Mfr. No. 1102 Size: 946ml.
ORDER NO. 843-11031
Mfr. No. 1103 Size: 3.785 L

TEST TANK CLEANER

- The only patented product designed for outboard motor test tanks
- Totally emulsifies oil in water and leaves in suspension
- Removes oil slick from water surface
- Lower units come out clean - no wipedown necessary
- Economical 50:1 ratio saves money and really does the job
- Non foaming formula removes all traces of oil and dirt
- Environmentally friendly. No Phosphates - Biodegradable
- Pleasant fragrance neutralizes foul odors
- Safe for rubber impellers and hoses.
- Cleans water passages
- Used to clean up oil spills

Due to the new E.P.A. regulations the drain valve on board test tanks has been locked, creating hardships for outboard repair shops and boat owners.

ORDER NO. 843-11271 Mfr. No. 1127
Size: 1 US Gal./ 3.785 L

VINYLIFE™

- Environmentally Safe - Biodegradable
- A dual purpose product that cleans as well as protects
- Excellent for use on interior and exterior vinyl such as vinyl seats, tops, upholstery, fenders, bumpers, and other rubber products
- Restores and brightens all colors
- Removes dirt, grime and stains
- UV protectant

ORDER NO. 843-11231
Mfr. No. 1123
Size: 473ml

MILDEW REMOVER

- Chlorine-free, acid-free formula for removal of mildew
- One-part system also controls odor
- Safe for fabrics

ORDER NO. 843-11371
Mfr. No. 1137
Size: 473ml

FIBERGLASS POWDER CLEANER / STAIN REMOVER

Heavy-duty fiberglass cleaner. Non-scratching formula removes dirt and stubborn stains. Ideal for non-skid surfaces! Removes rust stains, scuffmarks, and black streaks. Washes off with fresh or salt water. Leaves surface ready for waxing.

ORDER NO. 843-11901 Mfr. No.1190
Size: 737g

RESTORATION

"GIT"- ROT®

Unique two-part liquid epoxy saturates and restores original strength to wood by penetrating the rot. not necessary to remove loose rotted fibres. Wood must be dry. Apply by injecting into wood. Will soak into wood by capillary action. One-half hour pot life after mixing. Cures overnight. Sandable and paintable, can be drilled and screwed. Compatible with fibreglass resins, epoxies and most sealants. Great for transoms, stringers and cabin roof rot in both fibreglass and wood boats.

ORDER NO. 843-10631
Mfr. No. 1063 Size: 118ml. kit
ORDER NO. 843-10641
Mfr. No. 1064 Size: 473ml / kit
ORDER NO. 843-10651
Mfr. No. 1065 Size: 946ml / kit

FIX REPAIR KIT
NON-SAGGING REPAIR PUTTY

- Applies like putty
- Cures like steel
- Can be drilled, sanded & painted
- Bonds to fiberglass, wood, metal, glass & concrete
- Is impervious to oil, gasoline, alcohol, caustic detergent & salt water oxidation
- White in colour

ORDER NO.	Mfr.No	Size
843-11970	1197	85g
843-11960	1196	454g Kit

LIFECALK® SEALANT

A long lasting, permanently flexible marine polysulfide sealant which can be sanded, painted and used above and below the waterline. Tack-free in 1 to 3 days, excellent resistance to teak oils, gasoline and diesel fuel. Ideal for teak decks, to bed deck and hull hardware,
seal thru-hull fittings and underwater seams. Will bond to fiberglass, wood, metal, glass and itself. Cures to a firm flexible rubber seal with excellent waterproofing and adhesion qualities. Can be applied underwater for emergency repairs. Can be applied to damp surfaces.

Order No.	Mfr.No	Size	Colour
843-10301	1030	Tube / 80 mL	White
843-10311	1031	Tube / 80 mL.	Black
843-10321	1032	Tube / 80 mL.	Mahogany
843-10331	1033	Cart / 310 mL	White
843-10341	1034	Cart / 310 mL.	Black
843-10351	1035	Cart / 310 mL	Mahogany

LIFESEAL® SEALANT

A unique combination of marine silicone and polyurethane formulated especially for fiberglass. LifeSeal® offers a fast-curing, low odor, high adhesion, non-sagging, non-corrosive, non-yellowing formula. It provides a durable permanent watertight seal for joints subject to structural movement. May be used above and below the waterline. Use for sealing decks to hulls, thru-hull fittings, vinyl ports, sealing/glazing windshields and bedding marine hardware. Will adhere to metal, glass, wood, Lexan, ABS and certain other materials. Can be removed without damaging gel-coat. Not recommended for ferro cement hulls, impregnated wood or oil-soaked materials. Cures in presence of water. Mildew resistant and acid free. Custom colors available.

Order No.	Mfr.No	Size	Colour
843-11091	1109	Tube / 30 mL.	Clear
843-11601	1160	Tube / 80 mL	Clear
843-11611	1161	Tube / 80 mL	White
843-11621	1162	Tube / 80 mL	Black
843-11691	1169	Cart / 310 mL	Clear
843-11701	1170	Cart / 310 mL	White
843-11711	1171	Cart / 310 mL	Black

MARINE SILICONE RUBBER SEALANT

An all-purpose, non-corrosive, non-yellowing, low odor 100% marine high quality silicone sealant. Tack-free in 30 minutes or less. *Fully cured in 24 hours. For use above or below the waterline. Will not shrink, crack or dry out. Superior flexibility and adhesion to fiberglass, plastic, metal and wood. Retains flexibility and tensile strength even after years of exposure. Acid free cure will not corrode metal..

***Note: All curing times subject to atmospheric conditions.**

Order No.	Mfr.No	Size	Colour
843-11101	1110	Tube / 30 mL	Clear
843-11401	1140	Tube / 80 mL.	Clear
843-11411	1141	Tube / 80 mL.	White
843-11421	1142	Tube / 80 mL.	Black
843-11501	1150	Cart / 310 mL	Clear
843-11511	1151	Cart / 310 mL	White
843-11521	1152	Cart / 310 mL	Black

For more information see: www.boatlife.com

RELEASE ADHESIVE AND SEALANT REMOVER

Release™ simplifies the use of sealants, allowing for a fast cleanup. Use a scraping tool and **Release™** to remove cured sealants from fiberglass, wood, metal and glass. It is ideal on residue from decals, tapes, labels and adhesives, and is safe on most carpeted, vinyl, plastic and painted surfaces.

ORDER NO. 843-12881
Mfr. No. 1288 Size: 473ml
ORDER NO. 843-12910
Mfr. No. 1291 Size: 30ml

***Note:**
To be used with LifeCalk Polysulfide only

LIFE CALK® PRIMER

One-part, resin-based primer for use on oily woods. Developed by BoatLIFE®
(The Polysulfide Experts) to promote maximum adhesion with all polysulfide sealants.

ORDER NO. 843-10591
Mfr. No. 1059
Size: 230ml

LIFE CALK® SOLVENT AND CLEANER

General purpose solvent removes uncured polysulfide sealant and grease from tools and equipment. Ideal as a cleaner to prepare seams for caulking. Removes tape residue. Cleans engine parts. Acetone free formula.

ORDER NO. 843-10561
Mfr. No. 1056
Size: 473ml

LIQUID LIFESEAL®

Has same outstanding properties as LifeSeal® Sealant. Self leveling liquid formula for sealing fine cracks and seams. Perfect for plastic windshields. UV resistant 24-hour Cure. Colour-Clear.

ORDER NO. 843-11591
Mfr. No. 1159
Size: 155ml

GRAPHIX WAX™

A revolutionary high performance cleaner and UV protectant. *Designed for Graphics*

- Graphix Wax is a liquid wax which is easily applied (Wipe-on, dry, wipe-off)
- Ideal product to use on boats, RV's, cars, airplanes & jets with costly graphics
- Will not deteriorate graphics like other solvent-based waxes
- Cleans dirt, grime and stains
- Superior formulation using only high grade components
- Solvent-free

ORDER NO. 843-11211 8 oz.
ORDER NO. 843-11241 16 oz.

SILICONE SEALANT

- #1 selling marine sealant
- 100% marine grade silicone; won't turn yellow
- Remains flexible from -70° F to 480° F
- Bonds to fiberglass, plastic, wood, glass and metal
- Unaffected by sunlight, weathering, most chemicals and solvents
- Will not shrink or sag
- Can be removed easily - excellent for deck hardware
- Special marine formula can be used above and below the waterline
- Dries tack-free in less than one hour, cures completely in 24 hours

ORDER NO. 408-21011
1 x 83 ml. White
ORDER NO. 408-21021
1 x 83 ml. Clear
ORDER NO. 408-21031
1 x 83 ml. Black

ORDER NO. 408-21211
1 x 305 ml. White
ORDER NO. 408-21221
1 x 305 ml. Clear
ORDER NO. 408-21231
1 x 305 ml. Black

CAULK AWAY

- Remove caulking with ease, get caulk out of those hard to reach corners
- No scratching
- No chemicals
- Reusable and suitable for silicone, latex and acrylic

ORDER NO. 409-24011

CAULK RITE

- Great for applying a perfect bead of caulking
- No mess
- No edge marks
- No waste
- Suitable for silicone, latex, acrylic caulk
- Easy to clean

ORDER NO. 409-25011

WHITE PTEF® SNAP & ZIPPER LUBRICANT

- Use on boat snaps, metal and plastic zippers to protect against corrosion, reduce wear and friction, prevent binding and repel salt spray deposits
- Non-toxic, non-staining
- Will not wash off
- Protects from -65° F to +650° F

ORDER NO. 408-91021
1 x 2 oz. tube

WHITE PTEF LUBRICANT

- Special PTEF formula will not wash off.
- Protects from -65°F to +650°F.
- Reduces wear and friction.
- The ultimate lubricant - exceeds performance of normal grease.
- Non-toxic and non-staining.
- Great for zippers, winches, etc.

ORDER NO. 408-55041
4 oz.

EPOXY/ALUMINUM PUTTY STICK

- Makes permanent and emergency repairs on aluminum boats, outdrives, fuel and water tanks and other aluminum parts
- Easy to use - just hand knead for 1 minute and apply to damaged area
- Can be sanded, painted, drilled, tapped and filed

ORDER NO. 408-70041
1 x 4 oz.

EMERGENCY EPOXY PUTTY STICK

- Makes permanent repairs on fiberglass, wood, metal and plastic
- Easy to use-just hand knead until color turns white and apply to damaged area
- Forms tenacious bonds in minutes -even underwater
- Can be sanded, painted, drilled, tapped and filed

ORDER NO. 408-71041
1 x 4 oz.

For more information see: www.starbrite.com

POLYMERIC SYSTEMS, INC.

EPOXY AND SEALANTS

POLYMERIC SYSTEMS INC. PREMIUM EPOXY REPAIR STICKS

Six different application specific products, perfect for emergency repairs. Quick and easy permanent repairs to fix anything, no mess. Harden in minutes, excellent adhesion to metal, wood, ceramic, plastic and more. Superior strength for interior or exterior use. Carve, saw, file, sand, paint, tap, or drill it. Convenient POP display box. Extended Shelf Life.

Proud Sponsor CPS • ECP Fier Commanditaire

POLYMERIC SYSTEMS INC. QUIKWOOD

Replacing rotten or worn teak or wood, fill nail and screw holes, gouges, and scratches. Repair moulding panel frames, level tables, chair legs.

ORDER NO. 791-71061

Size 57 gr

POLYMERIC SYSTEMS INC. QUIKALUMINUM

Marine doors, pontoons, boats, aircraft floats, windows, aluminum siding, aluminum tanks, recreational vehicles, aluminum boats, pipes, skegs, and more. Meets Food Grade Requirements. Cures underwater.

ORDER NO. 791-57061

Size 114 gr

POLYMERIC SYSTEMS INC. AQUAMEND

Fiberglass, wood, metal decks or hulls. Repair pipes, electrical connections, leaking gaskets, water tanks, tubs, battery boxes, sinks, spas, hot tubs, pools, and more. Cures underwater.

ORDER NO. 791-70561

Size 114 gr

POLYMERIC SYSTEMS INC. QUIKPLASTIK

Paddle boats, Boston Whalers, snowmobile hoods, plastic pipes, appliance plastic, automotive plastic, and more.
Only product to repair ABS and PVC plastic.

ORDER NO. 791-75551

Size 114 gr

POLYMERIC SYSTEMS INC. FASTSTEEL

Iron pipes, tanks, tools, stripped threads, blowholes, molds, down spouts, gutters, ductwork. Meets USDA requirements for use in federally inspected meat and poultry plants. Certified by NSF (National Sanitation Foundation) for use in contact with potable water.

ORDER NO. 791-51061

Size 114 gr

POLYMERIC SYSTEMS INC. QUIKTITANIUM

Perfect for high temperature applications (up to 500 degrees F) mufflers, engine blocks. Any application where super strength and high heat is required: iron pipes, tanks, tools, stripped threads, blowholes, molds, down spouts, and more.

ORDER NO. 791-78051

Size 114 gr

For more information see www.polymericsystems.com

NATURAL MARINE AQUATIC WEED CONTROL NOWEEDMAT

Natural MARINE Proud Sponsor CPS • ECP Fier Commanditaire

This proven aquatic weed control mat curtails and prevents weed growth.
Measuring a full 18' X 30' (3m X 6m) cottagers can enjoy weed-free swimming and boating pleasure. This soft-on-the-feet product is simply floated out into place and weighted down with rocks or bags of sand or re-bar. After 5 weeks it can be removed, cleaned and stored.
Cottagers can expect up to 15 years life when used as directed. **Eco Rated.**

ORDER NO. 791-12510

18' x 30' Mat

ORDER NO. 791-99521

Mat Cleaner

For more information see: www.alexmilne.com

TEAK CARE KIT

- Everything needed to clean, restore and protect teak in one box
- Each kit comes with a $2.00 mail-in consumer rebate coupon
- The perfect kit for the smaller boat with minimal teak trim

ORDER NO. 408-12161

16 fl. oz.

Each Kit Contains:

1 Teak Oil (pint), 1 Teak Brightener (pint), 1 Teak Cleaner (pint)

TEAK CLEANER/BRIGHTENER

- Combines two steps in one: cleans & brightens
- Saves time & effort preparing teak for oiling
- USafe for use on all treak decks & furniture
- Will not harm fiberglass or painted surfaces
- Contains no dangerous acids
- Cleans teak; removing dirt, grime & old oil
- Phosphate-free, biodegradable formula

ORDER NO.409-49321 **32 fl. oz.**
Mfr. No. 094932C

TEAK CLEANER

- Safe, easy to use formula
- Cleans teak and other fine woods
- Removes stains and weathering
- Use as the first step in the restoration of grey, weathered teak
- No need to sand after cleaning
- Does not contain acid - no neutralizers needed
- not raise wood grain

ORDER NO.408-14321 **32 fl. oz.**
Mfr. No. 081432C

TEAK BRIGHTENER

- Brightens teak and other fine woods
- Highlights woodgrain and enhances warm natural color
- Use as the second step in the restoration of grey, weathered teak
- Easy to use - just apply and rinse
- No rubbing or scrubbing required

ORDER NO.408-15161 **16 fl. oz.**
Mfr. No. 081516C

PREMIUM GOLDEN TEAK OIL

Unique formula based on tung oil and space-age polymers provides incredible long lasting protection for teak surfaces

- Extra long lasting protection for teak
- Gives teak a natural warm, golden color
- Easy to use
- Contains ultraviolet absorbers to resist weathering
- Fast drying
- Number 1 rated teak oil in independent testing
- Advanced tung oil polymer formula
- Lasts 4 to 6 times longer than standard teak oils

ORDER NO. 408-51161 **16 fl. oz.**
ORDER NO. 408-51321 **32 fl. oz.**

Star brite®

For more information see:
www.starbrite.com

Captain PHAB

TWO-STEP TEAK CLEANER

- Professional wood restoration without sanding
- Removes weathering and aging from wood
- Both steps are thickened to prevent damage and staining to nearby surfaces.
- Controlled dispensing for less waste and mess.
- Lower tendency of step one to "raise the grain".
- Essentially fume free (useful in closed spaces or around sensitive instruments).
- Restores wood to original milled appearance

ORDER NO. 706-02601 Mfr. No. 260
500 ml

For more information see: www.captainphab.com

Proud Sponsor CPS • ECP Fier Commanditaire

Natural MARINE

For more information see:
www.alexmilne.com

NATURAL MARINE TWO PART TEAK CLEANER

Quickly chemically sands teak to restore natural look. Removes mildew and fungus stains, graying, oxidation, dirt, oil, fish stains and other marine debris.
Fast, Easy, Effective!
Eco Rated.

ORDER NO. 791-51341
(2) - 900 ml. Bottles (Kit)

ENVIRO GLOBAL

NATURAL MARINE ULTRA TEAK OIL

This premium product contains four natural oils for long lasting protection a UV sunscreen and waterproofer. Helps prevent graying and staining. Leaves a beautiful, natural finish.
For marine, cottage and home.

ORDER NO. 791-60421 **Size: 500ml**

SAIL & CANVAS CLEANERS

ULTRA SAIL CLEAN

Whistle clean and De-Odorize all sails

- Cleans, removes stains, revitalizes look
- Extends life of sails,spinnaker, biminis & canvas
- Simple D.I.Y. action
- Waterbased
- Size: 450 ml / Spray Bottle

Eco-Rated

ORDER NO. 791-55040
Mfr. No. 5504

ULTRA SAIL SPOTTER

Eliminates Tough Spots

- Cleans sails, biminis, line, carpets and other fabric
- Removes leaf, mildew, grease, oil, blood stains, spider droppings, & black streaks
- D.I.Y. anytime & rinse
- Size: 450 ml

ORDER NO. 791-50580
Mfr. No. 5058

For more information see:
www.alexmilne.com

CANOE/KAYAK POLISHES

CANOE/KAYAK PERFORMANCE & PROTECTIVE COATING

Ideal for inflatables, water toys, SUP, windsurfers, PWC and fishing boats.

- Can be applied to fiberglass, aluminum, kevlar™, polyethylene, ABS, PVC, composites and nitrylon™
- Reduces friction, hydrophobic coating
- Seals and protects
- Easier to clean surface
- Lasts an entire season
- Helps to defer underwater attachment and provides an easier to clean surface during the season
- 400 ml treats up to 6 canoes, kayaks or inflatables

ORDER NO. 791-54311 Mfr. No. 5431
Size: 400 mL

CANOE/KAYAK CREAM CLEANER

Ultimate Water Sport Maintenance!

Ideal for canoes, kayaks, SUP, inflatables, windsurfers, PWC, water toys and fishing boats.

- Can be applied to fiberglass, aluminum, plastic, polyethylene, ABS, PVC, kevlar™, composites, non-skid surfaces, inflatables, nitrylon™, mirasol™, plastic water toys and almost any hard non porous surface, fenders, tarps, awnings, etc
- Water based
- Cleans & revitalizes
- For best results use with Canoe & Kayak Cream Cleaner Mfr. No. 5431
- Repeat application annually
- Application: Easily cleans one 10' to 12' small craft
- Avoid soft, porous padded seating material

ORDER NO. 791-54321 Mfr. No. 5432
Size: 450 mL

DRINK CUP HOLDER

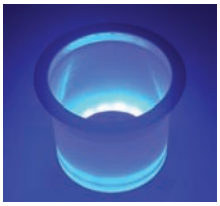
From T-H Marine comes the ultimate in Drink Cup Holders. This drink cup holder is manufactured from super tuff poly material which resists sunlight, breakage and chemicals. Our cup holder has been UV tested and will not fade as others do. This drink cup holder has a large diameter lip to provide a neat installation. Because drink cup holders sometimes require that they be mounted above sensitive instruments or directly above a cabin or storage locker, we have provided a hose fitting on the bottom to accept a 3/8" I.D. hose. Any spills, spray or rain water can be drained to the bilge area. Holds insulated or non-insulated cans, 16 oz. bottles and miscellaneous objects.

ORDER NO.	Mfr. No.	Colour	Main Body Diameter	Top Lid	Depth
205-72001	LCH-1-DP	Black	3.77”	4.2”	3-1/8”

LED LIGHTED STAINLESS STEEL RIM DRINK HOLDER

Corrosion Resistant 316 Stainless Steel Rim

- Illuminated cup holder provides soft LED lighting
- 15 Super bright LED’s
- Robust UV stable molded housing
- Mounts in standard 3-5/8" hole
- LED Light system is waterprooff
- Includes drain hole and nipple for routing drainage
- Wired for connection to 12V source



Depth: 4"
Rim Diameter: 4-1/8"
Hole Cut: 3-5/8"

ORDER NO.	Mfr. No.	LED Colour
205-74001	LED-LCH-BU-DP	Blue

For more information see: www.thmarine.com

DUAL RING DRINK HOLDER / FOLD-UP

An easy-to-use, secure design which holds coffee mugs with a handle, 12-ounce cans, or drink insulators. Mounts quickly and easily on boats or RV’s. Flip the small ring up to hold small drinks; for large drinks, flip the small ring down and use the large ring. When not in use, flip both rings down and close the cover for convenient storage. Polycarbonate construction.

- Open dimensions: 4-3/4" deep x 4-9/16" wide x 4-5/8" high
- Closed depth: 7/8"
- Case is pre-drilled with four holes for # 10 screws.

ORDER NO.	Mfr. No.	Colour
102-24496	2449-7	White
102-24456	2445-7	Black

RECESSED DRINK HOLDER

- Large Stainless Steel
- 3-1/8” Depth x 3-3/4” Diameter

ORDER NO.	Mfr. No.
101-11845	11845-1

For more information see: www.attwoodmarine.com

STAINLESS STEEL DRINK HOLDER

- Width: 4¼" including a 3/8" flange
- Height: 3½" - Fits: 3½" Hole

Comes with impact Drain, Black, w/ plug for 3/8" hose.

ORDER NO.	Mfr. No.	Description
856-60002	60002	Drink Holder

STAINLESS STEEL DRINK HOLDER

- Drink holder with flanged gasket
- 3-1/2" Width including 1/4” flange
- 2-3/4" Height
- Fits 3" hole

ORDER NO.	Mfr. No.
856-60012	60012

For more information see: www.schmittongaromarine.com

DRINK HOLDER

- Drink Holder with bulkhead/gunnel mount and rod holder post mount
- For cans, coffee mugs, insulated sleeves, as well can hold a Scotty bait jar
- Built-in accessory rack to hang lures and tools

ORDER NO.	Mfr. No.	Description
382-03110	311-BK	Black
382-03111	311-WH	White

SCOTTY TUMBLER

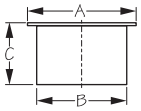
Clear tumbler.
Virtually indestructible.
Dishwasher safe.
12 oz.

ORDER NO.	Mfr. No.
382-01251	125-CL

For more information see: www.scotty.com

FLUSH MOUNT DRINK HOLDER

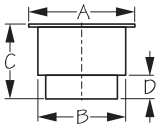
Injection Molded ABS



ORDER NO.	Mfr. No.	Hole Required	Colour	A	B	C
425-88000	588000	3"	Black	3-3/8"	2-7/8"	2"
425-88010	588010	3"	Black	3-3/8"	2-7/8"	3"
425-88011	588011	3"	White	3-3/8"	2-7/8"	3"

FLUSH MOUNT COMBO DRINK HOLDER

Injection Molded ABS



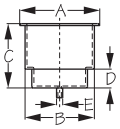
ORDER NO.	Mfr. No.	COLOR	A	B	C	D
425-88060	588060	Black	4"	3-5/8"	3-1/4"	15/16"
425-88061	588061	White	4"	3-5/8"	3-1/4"	15/16"

Dual purpose design allows use of beverage cans with or without insulated can wraps.

FLUSH MOUNT COMBO DRINK HOLDER W/DRAIN FITTING

304 Stamped Stainless

Dual purpose design allows use of beverage cans with or without insulated can wraps and also has rubber insert in bottom. Drain fitting allows water to be drained to bilge. Use 1/4" tubing to drain, secure with tie wrap if needed. Includes mounting gasket.

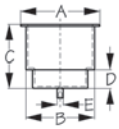


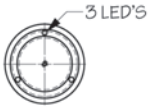
ORDER NO.	Mfr. No.	Hole Required	A	B	C	D	E
425-88065	588065	3-3/4"	4-3/8"	3-11/16"	3-3/16"	15/16"	5/16"

LED FLUSH MOUNT COMBO DRINK HOLDER W/DRAIN FITTING

Stamped 304 Stainless

LED Drink Holder has three LEDs and is available with red or blue lights. Dual purpose design allows the use of beverage cans with or without insulated can wraps, as well as most sizes of bottles. The bottom is padded with a rubber insert to prevent rattling, and the drain fitting allows water to be drained into the bilge – use ¼" tubing secured with a tie-wrap. 12 volt DC.



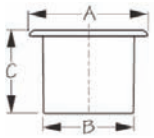


ORDER NO.	Mfr. No.	Hole Required	A	B	C	D	E	LED Colour
425-88071	588071-1	3-5/8"	4-1/4"	3-5/8"	3-3/16"	3/4"	1/4"	3 Red
425-88074	588074-1	3-5/8"	4-1/4"	3-5/8"	3-3/16"	3/4"	1/4"	3 Blue

CAPTIVE DRINK HOLDER WITH BEZEL

Stamped 304 Stainless/ABS/Rubber

NEW!



ORDER NO.	Mfr. No.	Hole Required	A	B	C	Fastener	Bezel Finish
425-88090	588090-3	3-5/8"	4-3/4"	3-5/8"	3-3/8"	#8 FH	Black ABS
425-88095	588095-3	3-5/8"	4-3/4"	3-5/8"	3-3/8"	#8 FH	Polished 316 Stainless

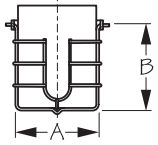
Features rubber grippers to help secure your drink. The bezel covers fasteners for a clean look. Installs with three #8 FH self-tapping fasteners. (only included in the -3 versions).

SWIVEL BEVERAGE HOLDER

Welded Brass Wire Chrome Plated

Chrome plated brass beverage holder with foam insulator. Quick release bracket allows easy removal. Comes complete with two wall brackets and fasteners. Fits most mugs with handles, cans and glasses.

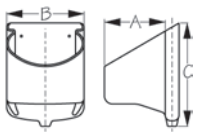
A=3-1/2" B=3-3/4"



ORDER NO.	Mfr. No.
425-88130	588130-3

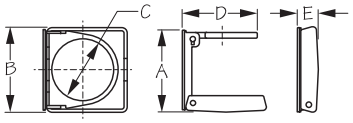
DRINK HOLDER

PVC



ORDER NO.	Mfr. No.	A	B	C
425-88115	588115-1	2-3/4""	3-1/2"	4-5/8"

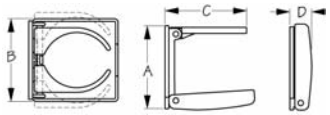
FOLDING DRINK HOLDER
Injection Molded ABS



ORDER NO.	Mfr. No.	COLOR
425-88210	588210-1	Black
425-88211	588211-1	White

A=3-3/4"
B=3-7/8"
C=2-3/4"
D=3-7/16"
E=15/16"

ADJUSTABLE FOLDING DRINK HOLDER
Injection Molded Nylon



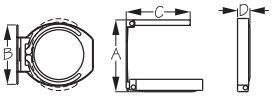
ORDER NO.	Mfr. No.	COLOR
425-88220	588220-1	Black
425-88221	588221-1	White

A=3-7/8"
B=3-3/4"
C=3-11/16"
D=1"
Fastener #6 FH

Adjusts for containers with a 2-3/8" to 3-7/8" diameter

ADJUSTABLE FOLDING DRINK HOLDER
304 Stamped Stainless

ORDER NO.	Mfr. No.	A	B	C	D	FASTENER
425-88250	ea. 588250-1	4-1/8"	3-7/16"	3-5/8"	3/4"	#8 RH

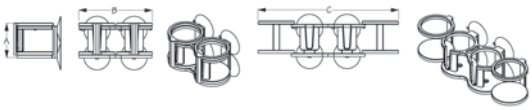


SINGLE/DUAL DRINK HOLDER WITH SUCTION CUPS
Injection Molded Nylon

ORDER NO.	Mfr. No.	A	B	C
425-88510	ea. 588510-1	4-1/8"	4-1/4"	8-1/8"

Expands from single to dual, mounts easily to most surfaces with suction cups.

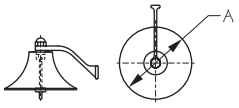
DUAL/QUAD DRINK HOLDER WITH SUCTION CUPS
Injection Molded Nylon



ORDER NO.	Mfr. No.	A	B	C
425-88520	ea. 588520-1	4-1/8"	4-1/4"	8-1/8"

Expands from dual to quad, mounts easily to most surfaces with suction cups.

BELL
Cast Polished Brass
• Fastener: #6FH



ORDER NO.	Mfr. No.	A
424-55000	455000-3	6"
424-55720	455720-3	8"

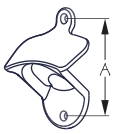
Improved Cast Brass, not "Spun Brass" like most competitors. 455720-3 meets Coast Guard, ABYC and NMMA requirements with a minimum of 200 cm mouth opening and striker mass no less than 3% of mass of the bell. Mounting bracket included.

WATERPROOF PLAYING CARDS

Designed especially for marine use, these 100% plastic playing cards are totally waterproof and very durable. New design features artwork of ship's figureheads with each suit highlighting a different character theme.

ORDER NO. 425-88811
Mfr. No. 588811-1

BOTTLE OPENER
Investment Cast 316 Stainless
• Fastener: #6FH



ORDER NO.	Mfr. No.	A
425-88450	588450-1	2-3/8"

:

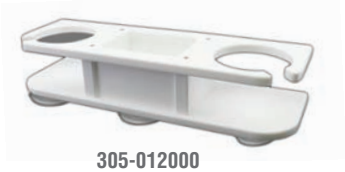
POLY FILET TABLE W/ ADJUSTABLE GUNNEL MOUNT

- FDA-Approved table
- Pliers & knife holder
- Rugged engineered nylon tilt mount
- Anodized aluminum mount fits into any standard gunnel rod holder
- UV-Stabilized, high-density polyethylene
- Stainless fasteners
- Folds flat for storage

ORDER NO.	Mfr. No.	Description	Size	Colour
305-012132	P01-2132W	Large Poly Filet Table	32" x 12"	Brushed White

305-12010-W

305-12020-W
Accessories not included



305-012000

305-012001

305-012003

POLY DRINK HOLDERS

- UV-Stabilized, high-density polyethylene
- Holds full-size insulated drinkware & mugs
- Includes stainless steel mounting screws or suction cups

ORDER NO.	Mfr. No.	Description	Height	Width	Depth
305-12010-W	P01-2010W	Single -Tumbler Poly Holder, White	5-5/8"	4-7/8"	5-1/4"
305-12020-W	P01-2020W	Dual -Tumbler Poly Holder, White	5-3/8"	9-1/2"	5-5/8"
305-012000	P01-2000W	Dual -Drink Poly Holder, White, w/catch all Suction cups included	3-1/8"	5-1/2	16-3/8"
305-012001	P01-2001W	Dual -Drink Poly Holder w/ Suction Cup Mount	3-5/8"H	4-7/8"	10"
305-012003	P01-2003W	Single -Drink Poly Holder, White w/ Suction Cup Mount	4-5/8"L	3"H	4-5/8"

For more information see: www.tacomarine.com

Ironwood Pacific OUTDOORS

STICKYBOARDS™

If you've ever cut your bait or filleted your fish out on the water, you know that boat movement is a fact of life. With the StickyBoard™ you no longer have to worry about the board sliding off the counter or transom when you are cutting thanks to suction cups that keep it securely anchored.

Features:

- Suction cups securely anchor bait board
- Stain and odour resistant
- Dishwasher safe for easy cleaning
- Commercial grade poly surface will not dull knives
- Suction cups are removable

Small Bait Board: 6" x 10" w/ 2 suction cups
Large Bait Board: 9" x 15" w/ 4 suction cups

ORDER NO.	Mfr. No.	Description
968-00032	003.2	6" x 10"
968-00034	003.4	9" x 15"

For more information see: www.ironwoodpacific.com

MARINE DINNERWARE SET - MELAMINE 12 PIECE SET

The durable dinnerware is great for boats, RV's, and camping.
Easy to clean and top rack dishwasher safe, and BPA free.
Do not use in the microwave.

Includes:
4 Bowls
4 Salad Plates
4 Dinner Plates

- **Blue & White Nautical Design**
- **Virtually Unbreakable**
- **BPA Free**
- **Easy to Clean - Top Rack Dishwasher Safe**
- **Note: Do not use in the Microwave**

ORDER NO.	Mfr. No.	Description
668-41951	41951	Dinnerware Set

MINI DISH DRAINER

with TRAY

Fits marine sinks, and is sized just right for limited counter space. Sloped drainer tray keeps counter dry. Drain tray snaps on top of rack for handy storage.
Colour: White

- Durable heavy-duty construction
- Measures 9.50" x 11.69" x 4.75"

ORDER NO. 668-43511 Mfr. No. 43511

STACK-A-PLATE™

with non-slip backing

Use in your cabinet to keep plates organized, and to stop them from sliding and rattling. Stays in place while underway. Helps protect from breakage and is dishwasher safe.
Colour: Beige - (Set of 2)
Larger size fits up to 10-1/4".
Smaller size fits up to 7-1/4".

ORDER NO. 668-43603 Mfr. No. 43601

SLIP-STOP®

Keeps everything safe & secure by preventing slipping & sliding. Washable, easily trimmed material works in tool boxes, rugs, van floors, shelves, dash boards or anywhere items slide around or rattle in a boat. Use as a liner between plates, cups and appliances.

ORDER NO.	Mfr. No.	Description
668-43277	43277	Slip-Stop®, 1' x 12' Roll, Cream
668-43278	43278	Slip-Stop®, 1' x 12' Roll, Slate Blue

COLLAPSIBLE BUCKET

Opens easily to to 9-1/4" (23.5cm) tall and folds to less than 2" (3.5cm) for compact storage. Watertight fabric holds 3 gallon (11 litres) water capacity. Zippered storage bag included.

ORDER NO.	Mfr. No.
668-42993	42993

REFRIGERATOR & CUPBOARD BARS

Keep order in your boat refrigerator and cupboards during travel. Spring loaded bars keep items in place.

- Cupboard bars extend from 10" to 17"
- Refrigerator bars extend from 16" to 28".

ORDER NO.	Mfr. No.	Description
668-44073	44073	Double Refrigerator Bar, White
668-44093	44093	Double Cupboard Bar, White

Mfr. No. 44073

Mfr. No. 44093

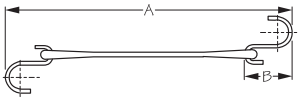
For more information see:
www.camco.net

SEA-DOG LINE
QUALITY MARINE GEAR

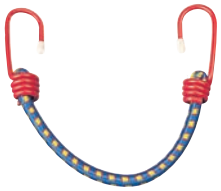
GEAR HAMMOCK - Nylon
Length: 60"

ORDER NO.	Mfr. No.
426-71100	671100-1

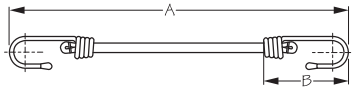
RUBBER TIE DOWN
Molded Natural Rubber
/ Zinc Plated Hooks



ORDER NO.	Mfr. No.	A	B
426-35010	635010	13-1/2"	2-1/4"
426-35015	635015	18-1/2"	2-1/4"
426-35021	635021	25"	2-1/4"
426-35031	635031	35"	2-1/4"

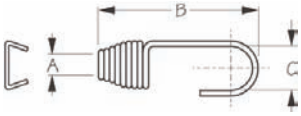


ELASTIC SHOCK CORDS
Natural Rubber
with Polyethylene Cover



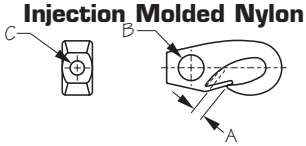
ORDER NO.	Mfr. No.	A	B	Diameter
426-50120	650120-1	12"	3"	5/16"
426-50180	650180-1	18"	3"	11/32"
426-50240	650240-1	24"	3"	3/8"
426-50300	650300-1	30"	3"	3/8"
426-50360	650360-1	36"	3"	3/8"
426-50400	650400-1	40"	3"	3/8"

SHOCK CORD HOOKS & CRIMPS
Formed 304 Stainless
(2) Hooks and (2) Crimps



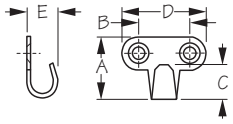
ORDER NO.	Mfr. No.	A	B	C
426-57066	657066-1	1/4"	2"	5/8"
426-57086	657086-1	5/16"	2-7/8"	7/8"
426-57106	657106-1	3/8"	2-5/8"	15/16"

SHOCK CORD CLIPS
Injection Molded Nylon



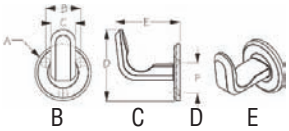
ORDER NO.	Mfr. No.	A	B	C	Colour
426-52060 (pr)	652060-1	1/4"	7/16"	1/4"	White
426-52080 (pr)	652080-1	5/16"	9/16"	5/16"	White

HAMMOCK HOOK
Stamped 304 Stainless



ORDER NO.	Mfr. No.	A	B	C	D	E	Fastener
426-71460 (pr)	671460-1	15/16"	3/4"	1/2"	1-1/4"	1/2"	#6

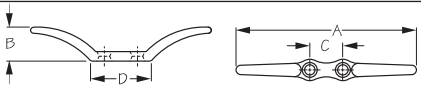
COAT HOOK - HEAVY DUTY
Investment Cast 316 Stainless Steel



NEW!

ORDER NO.	Mfr. No.	A	B	C	D	E	F	Fastener
426-71495	671495-1	2-1/4"	1-3/8"	1"	3"	2-5/8"	1-3/16"	#8 FH

TIE DOWN CLEAT
Zinc Chrome Plated



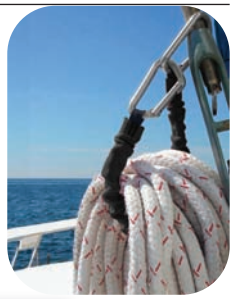
ORDER NO.	Mfr. No.	A	B	C	D	Fastener
426-72100	672100-1	4-7/16"	7/8"	3/16"	1-9/16"	#10 FH

For more information see: www.sea-dog.com

DAVIS

MINISHOCKLES™ - Strong, Tough, Secure

These are like bungee cords on steroids! Take MiniShockles boating, camping, biking, motorcycle riding – anywhere you want to be sure your load is held in place solidly, securely, safely. UV resistant nylon webbing is sewn over marine grade elastomer. 316 stainless steel snaps will hold up to 300 pounds (136 kg.) That's ten times the capacity of most standard bungee cords. Stainless steel wire gate snap.



ORDER NO.	Mfr. No.	Description
510-02430	2430	Black, 12" (31 cm)
510-02440	2440	Black, 18" (46 cm)
510-02445	2445	Black, 24" (61 cm)

For more information see: www.davisinstruments.com

SECURITY SNAPS

101-24121

UNIVERSAL SNAP HOOK

Spring-loaded closure

ORDER NO.	Mfr. No.	Construction	Length	Ring Dia.	Max. Safe Load*
101-24121	12412-1	Stainless	2-1/2"	1/4"	350 lbs.

*** Maximum safe load is approximately half of maximum load or break strength**

SHACKLES

Drop forged, hot dip galvanized steel.

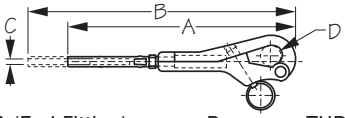
ORDER NO.	Mfr. No.	Size/ Dia. Pin
109-99220	9922-1	5/16"

For more information see: www.attwoodmarine.com

SEA-DOG LINE QUALITY MARINE GEAR

PELICAN HOOK

Investment Cast 316 Stainless

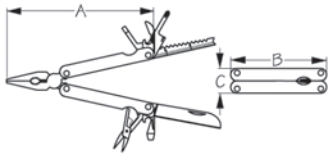


ORDER NO.	Mfr. No.	A	B	C (End Fitting)	D	THREAD
421-89705	189705	6-7/8"	8-3/8"	3/16" Wire	5/8"	5/16"-24 RH

MULTI-TOOL

304 Stainless

Includes a knife, needle nose pliers, cutters, scissors, various screw drivers, bottle opener, file and a saw. Canvas carrying included.

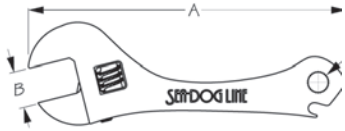


ORDER NO.	Mfr. No.	A	B	C
425-63151	563151-1	6"	3-15/16"	1"

ADJUSTABLE WRENCH

Cast 17-4ph Stainless

Made to last a lifetime under any conditions. Includes 1/4" hex head and bottle opener.

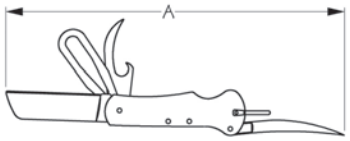


ORDER NO.	Mfr. No.	A	B	C
425-63255	563255-1	5-1/2"	3/4"	1/4" Hex Head

HIGH QUALITY RIGGING KNIFE

304 Stainless

Includes a sharp blade, Marlin spike, shackle key, screw driver, bottle opener, and also a loop to attach a lanyard



ORDER NO.	Mfr. No.	A	Blade Length	Marlin Spike Length
425-65050	565050-1	8-7/16"	2-1/2"	2-1/2"

For more information see: www.sea-dog.com

PERKO® MADE IN THE USA

DECK PLATE KEYS

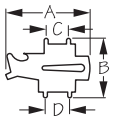
621-12470

621-12487

ORDER NO.	Mfr. No.	Deck Plate Sizes	Centre/Centre of Lug	Overall Length	Spade Length	Finish
621-12470	1247DP0BLK	1-1/4 & 1-1/2"	1-1/8"	1-3/4"	1"	Black Polymer
621-12487	12487-8DP	1-1/4 & 1-1/2"	1-1/8"	3-3/8"	N/A	Black Polymer
621-12489	1248009DP	2"	1-11/16"	4-3/8"	N/A	Zinc Alloy

For more information see: www.perko.com

SEA-DOG® LINE QUALITY MARINE GEAR



UNIVERSAL DECK FILL KEY

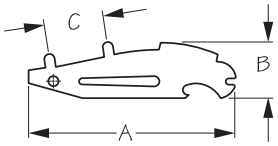
Stamped 304 Stainless

ORDER NO.	Mfr. No.	A	B	C	D
423-35690	335690-1	4"	2-3/4"	1-1/16"	1-3/16"

The ultimate Deck Plate Key will fit all Sea-Dog fuel fills as well as most others on the market. Also included on the key is a shackle key, bottle opener, and a straight blade screwdriver.

UNIVERSAL DECK FILL KEY - SMALL

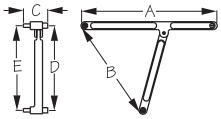
Stamped 304 Stainless



ORDER NO.	Mfr. No.	A	B	C
423-35695	335695-1	4"	1-1/16"	1-1/8"

ADJUSTABLE DECK PLATE KEY

Sand Cast Bronze

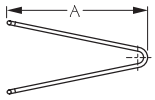


ORDER NO.	Mfr. No.	A	B	C	D	E
423-35680	335680-1	7-3/4"	6"	1-3/8"	5/16"	3/16"

Opens to a maximum of 6" and comes with two sizes of stainless steel pins, 3/16" and 5/16" allowing it to fit most plates or caps. If desired, you can add a lanard.

DECK PLATE KEY

Formed 304 Stainless



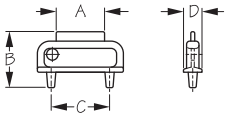
ORDER NO.	Mfr. No.	A
423-35699	335699-1	7"

Fits all cast Stainless Steel Sea Dog Deck Fill Caps. Mfr.No's 351320 - 351331 and 351350 - 351353 and Sea Dog Deck Plates 335633 - 335646

DECK FILL KEYS

Injection Molded Nylon

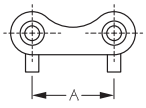
A = 1", B = 1-1/8", C = 1-3/16", D = 3/8".
Mfr. No. 357399-1



ORDER NO. 423-57399

Stainless

A = 1-3/16"
Mfr. No. 351399-1



ORDER NO. 423-51399(Ea)

For more information see: www.sea-dog.com

SNAP TOOL/DECK PLATE KEY

DAVIS®

A deck plate key with attitude! Excellent for boating, fishing, sailing, hiking, biking, tailgating, climbing, camping & your RV.
Many tools in one!!

- Handy universal, stainless steel, strong pocket-sized tool
- Fits most caps: Fuel, Water, Waste
- Snaps/Un-Snap canvas snaps
- Zipper puller: Tames stiff or sticky zippers
- Cutting tool: Fishing line etc..
- Hex Wrench 5/16" (8mm), 3/8" (10mm), 7/16" (11mm), 1/2" (12mm)
- Screwdrivers: Both Phillips & slot
- Scraper: Removes labels, tape, dry paint
- Pin shackle key: Tightens or loosens pins on most galvanized anchor shackles and stainless steel pin shackles
- Bottle opener

MIBS 2017 INNOVATION AWARDS WINNER

ORDER NO. 510-03820
Mfr. No. 382

TIP! Attach a key chain float to the shackle key slot to avoid losing your favourite tool!

For more information see: www.davisinstruments.com

Flying Colours INTERNATIONAL
Canada's Flag & Banner Company

- All flags manufactured from 200 denier nylon

CANADA FLAGS

ORDER NO.	SIZE
015-09180	9 x 18"
015-12240	12 x 24"
015-18360	18 x 36"
015-27540	27 x 54"
015-36720	36 x 72"
015-45900	45 x 90"

ONTARIO FLAGS

ORDER NO.	SIZE
061-09180	9 x 18"
061-12240	12 x 24"
061-18360	18 x 36"
061-27540	27 x 54"
061-36720	36 x 72"

USA FLAGS

ORDER NO.	SIZE
090-09180	9 x 18"
090-12240	12 x 24"
090-27540	27 x 54"
090-36720	36 x 72"

For more information see: www.flyingcoloursintl.com

NOVELTY FLAGS & ENSIGNS

Taylor Made

NEW!

CANADA FLAGS

Size: 12" x 18"
ORDER NO. 667-13190
Mfr. No. 1319

USA FLAG

Size: 12" x 18"
ORDER NO. 667-24180
Mfr. No. 2418

DON'T TREAD ON ME

Size: 12" x 18"
ORDER NO. 667-16170
Mfr. No. 1617

JOLLY ROGER

Size: 12" x 18"
ORDER NO. 667-18180
Mfr. No. 18180

HAPPY HOUR

Size: 12" x 18"
ORDER NO. 667-54180
Mfr. No. 5418

COCKTAIL

Size: 12" x 18"
ORDER NO. 667-91180
Mfr. No. 9118

I LOVE BEER

Size: 12" x 18"
ORDER NO. 667-92180
Mfr. No. 9218

SHUT UP & REEL

Size: 12" x 18"
ORDER NO. 667-16220
Mfr. No. 1622

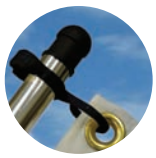
BEER RUN

Size: 12" x 18"
ORDER NO. 667-16330
Mfr. No. 1633

CHARLEVOIX® FLAG CLIPS

The original Charlevoix Flag Clip ends the trouble of attaching your flag to a standard flag or stern light pole. This simple one-piece clip attaches semi-permanently to your pole and will keep your flag securely in place at speeds up to 50 miles per hour. Flags can be attached or removed in seconds. The clips can also be removed, if desired. **Sold in pairs.**

ORDER NO.	Mfr. No.	Description
105-57926	57926	Flag Clip, Fits 3/4" pole
105-57928	57928	Flag Clip, Fits 7/8" to 1" pole



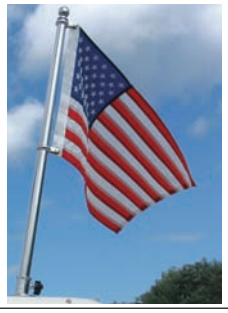
KW SERIES™ FLAG POLE MOUNT - *Can be Used with a 3/4", 1" & 1-1/4" O.D. Flagpole*

- Durable
- Can be used when pulling a skier or tuber
- Easy installation
- Can be used as a fishing rod holder, for spotlights
- Comes with two drain holes
- Mounting hardware included

NEW!

ORDER NO. 667-09430
Mfr. No. 943

For more information see: www.taylormadeproducts.com



STAINLESS STEEL FLAGPOLES

This deluxe flag pole set features highly polished stainless steel from top to bottom. The staff is made from 1" 304 stainless steel. The finial and base are cast 304 stainless steel. The unique flag clips are also cast from 304 stainless steel which holds your flag taut so your flag is never tangled.

Length: 24"
ORDER NO. 109-09030
Mfr. No. 903

Length: 30"
ORDER NO. 109-09040
Mfr. No. 904

DOCK EDGE
Your Dock • Your Way

FLEXI FLAGPOLES™

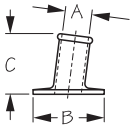
18' Flexi-Flag Pole (w/Canadian Flag)

These all-fiberglass grey FLAG POLES are the answer to rusty metal or painted wooden poles. Designed to withstand high winds, these non-conductive poles will never rust or corrode and are great for docks, decks, marinas, patios, cottages or home use. Aluminum bases are grey powder coated for long life. Brass plated pole ball tip and stainless steel mounting hardware included. 18 Ft. comes with swivel system to greatly reduce flag tangles.

ORDER NO. 440-60180 Mfr. No. DE6018CF

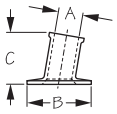
For more information see: www.dockedge.com

FLAGPOLE SOCKETS



Sand Cast Brass Chrome Plated - #6 Fastener

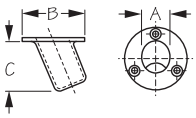
ORDER NO.	Mfr. No.	A	B	C	Angle
424-92211	492211-1	3/4"	2"	1-3/4"	10°
424-92212	492212-1	1"	2-1/2"	2"	10°
424-92213	492213-1	1-1/4"	2-3/4"	2-1/8"	10°



Investment Cast 316 Stainless - #10 Fastener

ORDER NO.	Mfr. No.	A	B	C	Angle
424-91912	491912-1	1"	2-5/8"	2-1/8"	10°
424-91913	491913-1	1-1/4"	2-3/4"	2-5/16"	10°

FLUSH MOUNT FLAGPOLE SOCKET



Investment Cast 316 Stainless - #12 Fastener

ORDER NO.	Mfr. No.	A	B	C	Angle
424-91713	491713-1	1-1/4''	2-7/8''	2-1/2''	25°

For more information see: www.sea-dog.com

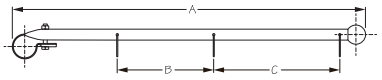
SEA-DOG LINE
QUALITY MARINE GEAR

PULPIT FLAGPOLE

Formed 304 Stainless

The Sea-Dog Pulpit Flagpole fits 7/8" or 1" tubing and comes complete with fasteners. Each flagpole comes complete with split rings for easy flag attachment. Each Pulpit Flagpole has a polyethylene spacer to reduce scratching of the rail which is not included on most competitors' flagpoles.

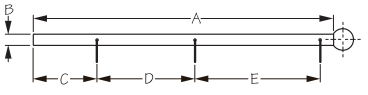
Mfr. No. 328115-1
ORDER NO. 103-28115



A	B	C
16-3/8"	4-1/2"	5-13/16"

BOW FORM FLAGPOLE

Formed 304 Stainless



A	B	C	D	E
13-3/16"	1/2"	3"	4-1/4"	5-11/16"

The Sea-Dog Bow Form Flagpole fits most bow forms with 1/2" diameter flagpole mounting holes. Each flagpole comes complete with split rings for easy flag attachment.

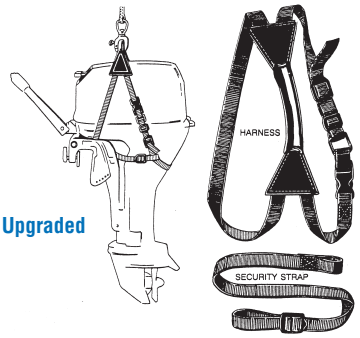
Mfr. No. 328110-1
ORDER NO. 103-28110

MOTOR CADDY OUTBOARD HOISTING HARNESS

Motor Caddy™ is sized to be quickly attached to most outboards from 2-15 horsepower. This improved design features a longer strap to fit 4-stroke motors and an added security strap for today's streamlined engine cases. Made of UV resistant materials that will endure the marine environment for those who prefer a semi-permanent installation. Glass filled nylon buckles insure that Motor Caddy is easy to install and remove. Makes lifting and moving cumbersome motors safer and simpler.

ORDER NO. 510-00430
Mfr. No. 430

The Safe and Easy Way to Move an Outboard Motor



QUICK FIST® ONE PIECE RUBBER CLAMP

Securing your equipment just got a whole lot easier! Quick Fist® is ideal for stowing or transporting tools. Quick Fist® is a rubber clamp that mounts easily to keep tools and equipment firmly in place. Ideal for off-road trucks, boats, military equipment, ATVs, or any vehicle. Quick Fist clamps are made of heavy duty transportation grade rubber. They're UV resistant and withstand extreme heat or cold. Terrific for marine use, since Quick Fist will not rust or corrode.

- Holds objects from 7/8" to 2-1/4" in diameter (22-57 mm)
- Each clamp supports approximately 22 lbs. (10 kg)
- Mounting base measures 7/8" x 2-3/4" (22 x 70 mm)
- Mounts easily with #10 (5 mm) bolts or screws - (not included)
- Can also be used as a pipe stand-off - (do not use on exhaust pipes)

ORDER NO. 510-00540 Mfr. No. 540 - **Pair**

SUPER QUICK FIST®

Ideal for holding fire extinguishers, oxygen cylinders, CO2 tanks, and other equipment. Can be mounted with strap facing any direction. To clamp, pull strap through jaw and lock into place. Strap can be trimmed off for neat installation.

- Holds objects from 2-1/2" to 7-1/2" in diameter (64-191 mm)
- Each clamp supports approximately 50 lbs. (23 kg)
- Mounting base measures 7/8" x 6" (22 x 152 mm)
- Mounts easily with three #10 (5 mm) bolts or screws - (not included)

ORDER NO. 510-00544 Mfr. No. 544 - **Pair**

For more information see: www.davisinstruments.com

DAVIS®

Queaz-Away™ is a non-drug aid for people on the go. The unpleasant effects of bumpy flights, choppy seas, winding roads, rocking trains and spinning Ferris wheels can ruin a trip or outing. Queaz-Away wristbands exert gentle pressure on points on each wrist to minimize or eliminate the miserable effects of travel. Made of tough, long-lasting, washable materials. Safe and easy to use. Simply slip onto wrists, position, and enjoy your travel. No complicating buckles or adjustments. One size fits all! Handy carrying case included. Used throughout the world by yachtsmen, pilots, divers, physicians and hospitals.

ORDER NO. 510-00400 Mfr. No. 400

QUEAZ-AWAY DISPLAY

(No products)

ORDER #510-00034 Mfr. No. Dis-34

CABLE COVERS

- Protect sails and sheets from chafe.
- Keep sails clean and prevent wear.
- Covers are split for quick "snap-on".
- Tough, durable plastic with more ultraviolet absorber than other brands...lasts longer!
- All cable covers come in 6 ft Lengths

Spread end of cable cover and snap cover over cable

ORDER NO.	Mfr. No.	Description
510-00252	252	1/8" (3mm)
510-00253	253	5/32" (4mm)
510-00254	254	3/16" (5mm)
510-00255	255	1/4" (6mm)
510-00256	256	5/16" (8mm)

For more information see: www.davisinstruments.com

INCOM® MANUFACTURING GROUP

LIFESAFE®

RIGGING TAPE

Rigging Tape protects against chafing and sharp edges while providing extraordinary safety for sails, lines and rope ends.

ORDER NO.	Mfr. No.	Description
263-03867	RE3867	1" x 15' Roll/White Self-Bonding

For more information see: www.incomdirect.com

ULTIMATE SELF-BONDING RIGGING TAPE
MOISTURE PROOF SEALING TAPE

FASTENERS & ACCESSORIES
HANDI-MAN MARINE
KEEPING REPAIRS AT BAY

- Rigging tape
- Shrinks to a waterproof seal as you wrap
- Removes cleanly, no solvents needed
- Water and ozone resistant
- Adheres to itself when stretched
- Excellent insulator against harsh environments
- Leaves no residue

Black, 1" x 10' Roll

ORDER NO. 960-02700

Mfr. No. 960027

White, 1" x 10' Roll

ORDER NO. 960-02800

Mfr. No. 960028

For more information see: www.handimanmarine.com

CFX3 SERIES POWERED COOLERS

Take control of outdoor adventures like never before with the Dometic CFX3 series powered coolers. Enjoy fresher food at your fingertips thasnks to Dometic's market leading VMSO3 variable speed compressor with optimized software for better cooling, freezing and power consumption. The CFX3 series features a durable Exoframe that protects the cooler, making it ideal for rugged trips. Strong, springloaded aluminum handles make it easy to lift and carry. Set the cooling temperature of your CFX3 on the new high resolution colour display screen and pack all your favorite foods. Download the CFX3 app and roam free from worry. Once your CFX3 is connected through your phone, you can set the ideal temperature, and get a detailed history of energy and temperatures.

- Generous storage capacity ranging from 36 litre to 99 litre
- Heavy-duty yet lightweight ExoFrame construction with fender frame protected edges and aluminumalloy handles
- Powerful VMSO3 compressor cooling technology efficiently refrigerates and deep-freezes to -7˚F (-22˚C)
- Easy-to-read high-resolution colour display and soft touch buttons enabling seamless control and monitoring of cooler performance
- CFX3 App allows temperature control via Wifi or Bluetooth and provides performance history
- 3-Stage dynamic battery protection system prevents dead car battery or allows deep draw on dual batteries

960-0028370

960-0024617

960-0024618

960-0024620

ORDER NO.	960-0028370	960-0024617	960-0024618	960-0024620
Electric Coolers	**CFX3-25**	**CFX3-35**	**CFX3-45**	**CFX3-55IM**
Compartments	Single	Single	Single	Single
Connectivity Type	BluetoothWiFi	BluetoothWiFi	BluetoothWiFi	BluetoothWiFi
USB Port	5V, 2A	5V, 2A	5V, 2A	5V, 2A
Interior Light	Yes, LED	Yes, LED	Yes, LED	Yes, LED
Basket / Drain Plug	Yes / Yes	Yes / Yes	Yes / Yes	Yes / Yes
Cable Length	2.00 m	2.00 m	2.00 m	2.00 m
Colour	Slate / Mist	Slate / Mist	Slate / Mist	Slate / Mist
DIMENSIONS				
Dimensions (W x D x H in)	13.46 x 22.40 x 16.54	15.67 x 27.32 x 16.02	15.67 x 27.32 x 18.74	28.35 x 17.91 x 18.90
Depth w/out Handle (inches)	19.88	24.80	24.80	25.98
Storage Volume (litre)	25	36	46	53
Amount of Cans	33	50	67	83
Product Weight (lbs.)	28	37.26	41.23	46.97
ELECTRICAL				
Operating Voltage	12/24V DC-100V-240 AC	12/24V DC-100V-240 AC	12/24V DC-100V-240 AC	12/24V DC-100V-240 AC
Input Rated Current 12V (A)	6.5A	6.8A	8.2A	9.0A
PERFORMANCE				
Refrigeration Techn.	Compressor	Compressor	Compressor	Compressor
Refrigerant Type	R134A	R134A	R134A	R134A
Insulation Type	PU (Polyurethane)	PU (Polyurethane)	PU (Polyurethane)	PU (Polyurethane)
Temperature Range	-7˚F to +50˚F	-7˚F to +50˚F	-7˚F to +50˚F	-7˚F to +50˚F

NOTE: Dimensions are based on lid direction. Width = (direction the lid opens), Depth = (front of lid to back).
CFX3s (CFX3-25 thru CFX3-45) open on the smaller edge. (CFX3-55 thru CFX3-100) open on the longer edge.

CFX3 SERIES POWERED COOLERS (continued)

Take control of outdoor adventures like never before with the Dometic CFX3 series powered coolers. Enjoy fresher food at your fingertips thasnks to Dometic's market leading VMSO3 variable speed compressor with optimized software for better cooling, freezing and power consumption. The CFX3 series features a durable Exoframe that protects the cooler, making it ideal for rugged trips. Strong, springloaded aluminum handles make it easy to lift and carry. Set the cooling temperature of your CFX3 on the new high resolution colour display screen and pack all your favorite foods. Download the CFX3 app and roam free from worry. Once your CFX3 is connected through your phone, you can set the ideal temperature, and get a detailed history of energy and temperatures.

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- Heavy-duty yet lightweight ExoFrame construction with fender frame protected edges and aluminumalloy handles
- Powerful VMSO3 compressor cooling technology efficiently refrigerates and deep-freezes to -7˚F (-22˚C)
- Easy-to-read high-resolution colour display and soft touch buttons enabling seamless control and monitoring of cooler performance
- CFX3 App allows temperature control via Wifi or Bluetooth and provides performance history
- 3-Stage dynamic battery protection system prevents dead car battery or allows deep draw on dual batteries

NEW!

960-0024621

960-0024622

960-0024623

ORDER NO.	960-0024621	960-0024622	960-0024623
Electric Coolers	**CFX3-75DZ**	**CFX3-95DZ**	**CFX3-100**
Compartments	Dual	Dual	Single
Connectivity Type	BluetoothWiFi	BluetoothWiFi	BluetoothWiFi
USB Port	5V, 2A	5V, 2A	5V, 2A
Interior Light	Yes, LED	Yes, LED	Yes, LED
Basket / Drain Plug	Yes / Yes	Yes / Yes	Yes / Yes
Cable Length	2.00 m	2.00 m	2.00 m
Colour	Slate / Mist	Slate / Mist	Slate / Mist
DIMENSIONS			
Dimensions (W x D x H in)	35.12 x 19.49 x 18.58	37.87 x 20.86 x 18.58	37.87 x 20.86 x 18.58
Depth w/out Handle (inches)	32.76	35.51	35.51
Storage Volume (litre)	75 (45/30)	94 (55/39)	99
Amount of Cans	113 (68/45)	133 (81/52)	153
Product Weight (lbs.)	61.29	65.71	65.27
ELECTRICAL			
Operating Voltage	12/24V DC-100V-240 AC	12/24V DC-100V-240 AC	12/24V DC-100V-240 AC
Input Rated Current 12V (A)	11.1	10.0	11.3
PERFORMANCE			
Refrigeration Techn.	Compressor	Compressor	Compressor
Refrigerant Type	R134A	R134A	R134A
Insulation Type	PU (Polyurethane)	PU (Polyurethane)	PU (Polyurethane)
Temperature Range	-7˚F to +50˚F	-7˚F to +50˚F	-7˚F to +50˚F

NOTE: Dimensions are based on lid direction. Width = (direction the lid opens), Depth = (front of lid to back). CFX3s (CFX3-25 thru CFX3-45) open on the smaller edge. (CFX3-55 thru CFX3-100) open on the longer edge.

For more information .see: www.dometic.com

DOMETIC OUTDOOR

PATROL INSULATED ICE CHESTS
HIGH PERFORMANCE COOLERS

NEW!

The Dometic Patrol coolers are built to last trip after trip with thick PU insulated walls, single piece rotomolded construction, and a full length hinge pin. They are more than just a box to put ice in — smart features like a leak proof drain, deep-freeze lid seal, and one-hand rubber latches make the Patrol coolers an ultra-functional product. Constructed with C5 insulation, which reduces GHG emissions over 90% compared to its replacement.

- Robust rotomolded polyethylene construction withstands tough conditions
- Deep-freezer seals with thick PU insulation keeps ice cold for days
- Leak-proof drain for easy cleaning
- Lid firmly closed using one-handed rubber latches
- Durable, ergonomic rubber handles
- Full length lid hinge

960-0006283

960-0006279

960-0006280

960-0006281

960-0006282

ORDER NO.	960-0006279	960-0006280	960-0006281	960-0006282	960-0006283
PATROL Coolers	**PATROL 20**	**PATROL 35**	**PATROL 55**	**PATROL 75**	**PATROL 105**
Colour	White	White	White	White	White
Outter Dimensions (D x H x W inches)	14.25" x 15.50" x 21.13"	16.88" x 16.00" x 27.75"	19.13" x 17.13" x 30.13"	19.13" x 18.25" x 35.38"	19.13" x 18.75" x 45.38"
Storage Volume	20 Qt / 18.8 Litre	35 Qt / 35.6 Litre	55 Qt / 54.3 Litre	75 Qt / 74.2 Litre	105 Qt / 102 Litre
Amount of Cans	15	28	43	58	81
Product Weight (lbs.)	17.55	25.75	33.06	38.18	57.10
Material	One-piece rotomolded polyethylene				

Patrol Seal

Drain Plug

Rubber Latch

For more information .see: www.dometic.com

KUUMA PRODUCTS

CAMCO

COOLERS
- 10 Days of ice retention
- Colour: White / Cyan
- Freezer grade seal
- Includes storage tray
- 6 Tie down strap points
- Lockable
- 2 Carry handles
- 2 Hose-ready drain fittings
- 2 stainless steel bottle openers
- Reversible slide & non-slip feet

NOTE: Available attachments: (Cup Holder, Cutting Board, Rod Holder, Cooler Divide)
SPECIAL ORDER ONLY

50 Quart / 47 Liter
ORDER NO. 668-58481 Mfr. No. 58481

30 Quart / 28 Liter
ORDER NO. 668-58491 Mfr. No. 58491

For more information see: www.camco.net or www.kuumaproducts.com

MOELLER marine products

SNAP-TITE®/ TURN-TITE® BAILER PLUGS Seal it Right. Seal it Tite®.

Our Snap-Tite® and Turn-Tite® plugs have been the industry benchmark in bailer plugs for many years. Known for their durability and ease of use, these plugs provide boaters a lasting seal on the water.

801-20899-50

801-20899-20

801-20901-20

801-29000-50

DISPLAYS

ORDER NO.	Mfr. No.	Description	Contains
801-20899-50	020899-50	1" Brass Turn-Tite (Bucket)	50 ea
801-20899-20	020899-20	1" Brass Turn-Tite (Fish Bowl)	20 ea
801-20901-20	020901-20	1" Stainless Steel Turn-Tite (Fish Bowl)	20 ea
801-29000-50	029000-50	1" Brass Snap-Tite (Bucket)	50 ea
801-29000-20	029000-20	1" Brass Snap-Tite (Fish Bowl)	20 ea
801-29001-001	029001-001	1" Brass Snap & Turn-Tite (Bulk)	25 of ea
801-29070-20	029070-20	1" Aluminum Snap-Tite (Bulk)	20 of ea

INDIVIDUALS (Sold as Each)

801-20899-10	020899-10	1" Brass Turn-Tite (Clam Sell Package)
801-20901-10	020901-10	1" Stainless Steel Turn-Tite (Clam Sell Package)
801-29000-10	029000-10	1" Brass Snap-Tite (Clam Sell Package)
801-29070-10	029070-10	1" Aluminum Snap-Tite (Clam Sell Package)
801-20900-10	020900-10	1" Stainless Snap-Tite (Clam Sell Package)

DECK & BAITWELL PLUGS

A neoprene body, these Scepter innovations provide a leak-proof, non-slip seal featuring stainless steel plates and adjustable brass cam snaps.

ORDER NO.	Mfr. No.	I.D.
615-53070-10	053070-10	5/8" *(2 pack)*
615-53075-10	053075-10	3/4" *(2 pack)*

For more information see: www.moellermarine.com

SEA-DOG® LINE QUALITY MARINE GEAR

SNAP HANDLE DRAIN PLUG

Stamped Brass

Fast working cam action adjusts to provide a tight seal. Fits 1" Drain Tube.

ORDER NO.	Mfr. No.	Sold As
425-20070	520070-1	Each
425-20075	520070-5	Display Pk/25
425-20071	520071-1	Each Includes Safety Chain

T-HANDLE DRAIN PLUG

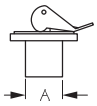
Stamped Brass

Turn handle plug. Fully adjustable. Fits 1" Drain Tube.

ORDER NO.	Mfr. No.	Sold As
425-20080	520080-1	Each
425-20085	520080-5	Display Pk/25

BAITWELL PLUGS

Stamped Brass/Neoprene



ORDER NO.		Mfr. No.	A
425-20091	(pr.)	520091-1	3/8"
425-20092	(pr.)	520092-1	1/2"
435-20093	(pr.)	520093-1	5/8"
435-20094	(pr.)	520094-1	3/4"
425-20095	(pr.)	520095-1	7/8"

BAITWELL PLUGS DISPLAY PACKS

Place on the counter or hang on peg board with the included custom rack.

ORDER NO.	Mfr. No.	Size	Contains:
425-20092-5	520092-5	1/2"	50 Pcs
425-20093-5	520093-5	5/8"	50 Pcs
425-20094-5	520094-5	3/4"	45 Pcs
425-20095-5	520095-5	7/8"	45 Pcs

For more information see: www.sea-dog.com

GARBOARD DRAIN PLUG/DRAIN TUBES

DRAIN PLUG AND RECEIVER KIT

3/4" diameter plug specifically designed for use on Personal Water Craft. Molded black ABS plastic with threaded receiver for tight fit. Retaining strap is molded on to prevent loss. Kit includes rubber plug washer and attaching screws.

ORDER NO.	Mfr. No.	Description
101-17210	17211-3	3/4" dia. - one piece plug

attwood

ORDER NO.	Mfr. No.	Description
107-75570	7557-7	316 Stainless Steel, 7/8" Dia.

ORDER NO.	Mfr. No.	Description
109-98420	9842-1	Replacement Brass Plug
For #107-75530		**BULK Plug ONLY**

For more information see www.attoodmarine.com

PERKO® MADE IN THE USA

GARBOARD DRAIN PLUGS

NO. 1
621-07141

No. 2
621-07422

Cast Bronze Flange with Brass Plug.
Screw Size: # 8.
Flange O.D.: 2" / Pipe Size: 1/2"

ORDER NO.	Mfr. No.	Description
621-07141	0714DP1PLB	Garboard Drain Plug - (Style No. 1)
621-07421	0742DP1	Replacement Spare No. 1 Plug
621-07422	0742DP2	Replacement Spare No. 2 Plug with Pin

For more information see www.perko.com

MOELLER marine products

GARBOARD DRAIN PLUG KITS

Cast Bronze Flange with Brass Plug.
1/2" IPT Thread, Flange O.D.: 2". Depth 5/8"

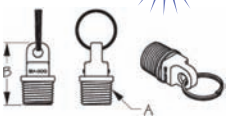
ORDER NO.	Mfr. No.	Description
801-20305-10	020305-10	Brass Transom Drain Plug Kit
801-20306-10	020306-10	Stainless Steel Transom Drain Plug Kit
801-20307-10	020307-10	Brass Transom, **PLUG ONLY**
801-20309-10	020309-10	Stainless Transom, **PLUG ONLY**

SEA-DOG® LINE QUALITY MARINE GEAR

EMERGENCY GARBOARD DRAIN PLUG

Injection Molded Nylon

NEW!



ORDER NO.	Mfr. No.	A	B
425-20059	520059-1	1/2" NPT	1-9/16"
425-20059-5	520059-5	Display POP - 30 Piece	

MOELLER marine products

MOTORWELL DRAIN TUBES

- Concentric rings snap-lock in place for tight leak proof seal in 1" diameter openings
- Durable plastic will not rot, bend, or mildew
- For motorwell, livewell or baitwell

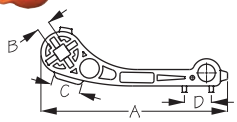
ORDER NO.	Mfr. No.	Description
615-20300-10	020300-10	3/4" dia. - one piece plug

For more information see: www.moellermarine.com

PLUGMATE™ GARBOARD WRENCH

Injection Molded Polypropylene Fiberglass

The Garboard Wrench has multiple deck keys and will also fit Garboard "T" style plugs. Garboard wrench includes one replacement plug stored in the handle.



ORDER NO.	Mfr. No.	A	B	C	D
425-20045-1	520045-1	8-1/4"	9/16"	1-5/16"	1-3/16"

For more information see: www.sea-dog.com

DRAIN TUBES

- 1" O.D. Brass
- For transom, motorwell, livewell or baitwell.
- For use with Snap-Tite® & Turn-Tite® Plugs.
- Installation requires a flanging tool.

ORDER NO.	Mfr. No.	Description
801-21003-225D	021003-225D	2-1/4" Drain Tube
801-21003-400D	021003-400D	4" Drain Tube
615-20700	020700-00	1" O.D. Flanging Tool

DetMar CORPORATION

MOTORWELL DRAIN TUBE

Polypropylene

1" diameter installation hole.
Fits transom thickness up to 2-1/4".
Serrated snap fit installation. White.

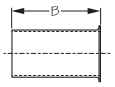
ORDER NO. 101-10255

For more information see: www.detmarcorp.com

BULKHEAD FITTING

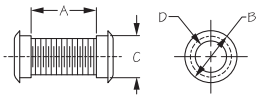
ORDER NO.	Mfr. No.	Description
615-33210-10	033210-10	Straight 3/8" Brass Bulkhead

DRAIN TUBE
Formed Brass



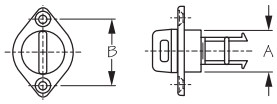
ORDER NO.	Mfr. No.	A	B
425-20210	520210-1	1"	1-7/8"
425-20220	520220-1	1"	2-3/8"
425-20230	520230-1	1"	2-7/8"

DRAIN TUBE
Injection Molded HDPE



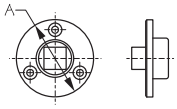
ORDER NO.	Mfr. No.	A	B	C	D	Colour
425-20320	520320-1	3/4"-2-1/2"	1-1/4"	1"	3/4"	White

DRAIN PLUG
Injection Molded Nylon



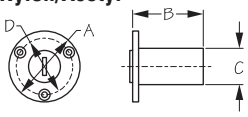
ORDER NO.	Mfr. No.	Fastener	A	B
425-20010	520010-1	#10 FH	1"	1-1/2"
425-20021	520021-1	Replacement plug only		
425-20021-5	520021-5	P.O.P. Display Contains 30 pcs. (Plug only)		

GARBOARD DRAIN & PLUG
Machined Bronze



ORDER NO.	Mfr. No.	Thread Size	A	Fastener
425-20040	520040-1	1/2" NPT	2"	#10 FH
425-20041	520041-1	Replacement Plug (Each))		
425-20041-5	520041-5	P.O.P. Display Contains 30 pcs. (Plug only)		

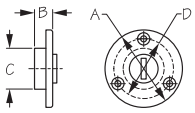
GARBOARD DRAIN & PLUG
Injection Molded Nylon/Acetyl



ORDER NO.	Mfr. No.	A	B	C	D	Fastener
425-20050	520050-1	2-3/16"	2-3/16"	1-1/8"	1-3/4"	#8 FH
425-20051	520051-1	Replacement Plug (Pair)				

GARBOARD PLUG
Injection Molded Nylon

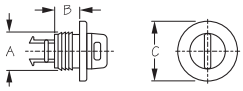
1/2" pipe thread plug. May be used in other 1/2" plug applications.



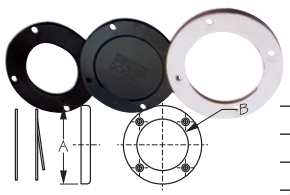
ORDER NO.	Mfr. No.	A	B	C	D	Fasteners
425-20056	520056-1	Replacement Plug (Pair) for 520055-1				

DRAIN PLUG
Injection Molded Nylon

Designed to fit securely in a 1" hole without the use of fasteners. The ridges on the body of the drain plug are designed to keep the plug in place. Sealant should be applied prior to installation to make a watertight seal.



ORDER NO.	Mfr. No.	A	B	C
425-20030	520030-1	1"	11/16"	1-11/16"



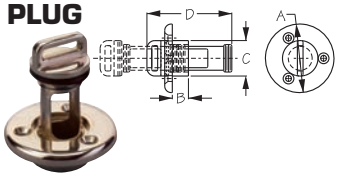
SCUPPER VALVE
Injection Molded Nylon

A	2-13/16"
B	1-7/8"
Fastener:	#6 FH
Mfr. No.	520500-1

ORDER NO. 425-20500

CAPTIVE GARBOARD DRAIN & PLUG
Investment Cast 316 Stainless

A direct replacement for Bronze Garboards, No.'s 520040 and 520042.
Captive plug means no more lost plug.



ORDER NO.	Mfr. No.	A	B	C	D	Fastener
425-20060	520060-1	2"	1/2"	1-1/8"	2-5/8"	#8 FH

Ironwood Pacific OUTDOORS

HelmsMate™

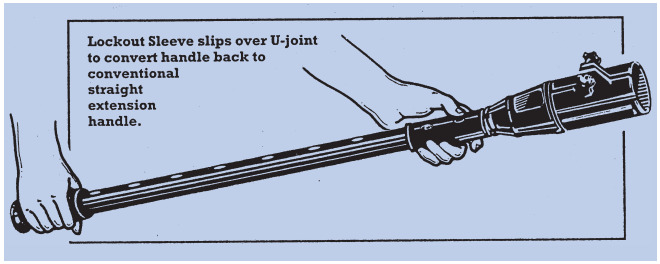
HELMSMATE™ OUTBOARD & TROLLING MOTOR EXTENSION HANDLES

IDEAL FOR GAS OUTBOARDS & ELECTRIC TROLLING MOTORS UNDER 15 HP

HelmsMate is an outboard and trolling motor extension handle that is designed to attach to your existing tiller giving you the extra reach you need to steer from the best seat in the boat while still maintaining precision steering & throttle control.

Features:

- Sit in a more comfortable position, or move forward in your boat for better trim
- Control speed and direction on twist throttle gas or electric trolling motors
- Easy access to outboard kill switch
- Simple to install
- Indestructible nylon clamp adjusts to fit most motors 15 HP & below, or up to 1 3/4" in diameter
- Universal clamp clasps securely to existing handle
- Positive stainless steel snap locks on extendable units avoids slipping
- Durable anodized aluminum shaft with stainless steel hardware
- Universal joint (U-Joint) model offers easy push pull steering for offset seating
- Lifetime Warranty
- Made in the USA



ORDER NO.	Mfr. No.	Description
968-00001	001.0	**U-Joint Model:**

Features the only all-metal universal joint, which allows offset seating and easy push-pull steering. Telescopes from 37" to 52".
Our most popular outboard extension handle for gas kicker motors.

ORDER NO.	Mfr. No.	Description
968-00011	001.1	**Straight Model:**

Straight handle for direct-steer feel. Extendable from 36" to 51". Ideal as an outboard tiller extension handle or as an electric trolling motor extension.

ORDER NO.	Mfr. No.	Description
968-00012	001.2	**Basic Model**:

Ideal for trolling motors and applications where only a short extension is needed, 30" fixed length.

ORDER NO.	Mfr. No.	Description
968-00122	001.22	**Basic Adj. Model**:

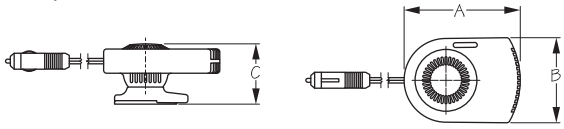
Ideal for trolling motors and applications where only a short extension is needed, Extendable from 18" to 24".

For more information see: ironwoodpacific.com

SEA-DOG® LINE QUALITY MARINE GEAR

CERAMIC HEATER

- ABS Housing
- Works great for keeping small windows clear of condensation
- Not intended for cabin heating in large areas
- Comes with 5-1/2' cord and plugs into 12 Volt power socket
- Base pivots and rotates and can be attached with included velcro strip



ORDER NO.	Mfr. No.	Description	A	B	C	Amps	Volts	Watts
424-50150	450150-1	Ceramic Heater	5-15/16"	4-5/16"	3-1/16"	12.5A	12V	150W

For more information see: www.sea-dog.com

For more information see:
www.motorguide.com

CABLE STEER TROLLING MOTORS - FRESHWATER BOW MOUNT - TOUR PRO

ORDER NO.	Mfr. No.	Model	Shaft Length	Peak Thrust	Volts	Mount Style	Max Amp Draw	Speed Control/ Motor Direction	Steering	Directional Indicator	Propeller	Integrated Sonar	Pinpoint® GPS	Pinpoint® GPS Gateway
941-900020	941900020	Tour Pro - 82 45" GPS	45"	82 lb.	24	Bow	56	Digital Variable Forward	Pull-Pull Cable Pedal / Pinpoint® GPS Remote	Lighted	2bl Katana	-	Yes	-

ELECTRIC STEER TROLLING MOTORS - FRESHWATER BOW MOUNT - XI5 & XI3

ORDER NO.	Mfr. No.	Model	Shaft Length	Peak Thrust	Volts	Mount Style	Max Amp Draw	Speed Control/ Motor Direction	Steering	Directional Indicator	Propeller	Integrated Sonar	Pinpoint® GPS	Pinpoint® GPS Gateway
940-800240	940800240	Xi5 - 80FW 60" GPS 2D SNR	60"	80 lb.	24	Bow	56	Digital Variable Forward	Wireless Pedal / Pinpoint® GPS Remote	-	3bl Machete	2D Sonar	Yes	Compatible
940-700170	940700170	Xi3 - 55FW 54"	54"	55 lb.	12	Bow	52	Digital Variable Forward	Wireless Remote	-	3bl Machete	-	-	Compatible

ACCESSORIES

ORDER NO.	Mfr. No.	Description
980-120717	8M0120717	Xi Series Quick Release Bracket - Composite Black
980-089000	MGA089G	Grey Machete III Propeller, 3.5" Hub
984-004173	8M4004173	Katana 2-Blade Propeller, 3.5" Hub
980-092085	8M0092085	Xi Series PinPoint® GPS Gateway Kit
980-107522	8M0107522	NMEA 2000® Starter kit w/15' BB

980-120717

984-004173

980-089000

980-092085

980-107522

BOW MOUNT TROLLING MOTOR SELECTION CHART

ORDER NO.	Mfr. No.	Model	Shaft Length	Max Thrust	Volts	Universal Sonar 2	i-Pilot	i-Pilot Link	Built-In MEGA Imaging	Pedal Included	Bluetooth	Lift Assist	Power Stow/ Deploy/Trim
ULTREX WITH i-PILOT													
713-68800	1368800	ULTREX 80/US2/IP_BT*	45"	80	24	✔	✔	OPTION	✖	✔	✔	✔	✖
713-68801	1368801	ULTREX 80/US2/IP_BT*	52"	80	24	✔	✔		✖	✔	✔	✔	✖
713-68810	1368810	ULTREX 80/US2/IP LINK_BT*	45"	80	24	✔	✖	✔	✖	✔	✔	✔	✖
713-68811	1368811	ULTREX 80/US2/IP LINK_BT*	52"	80	24	✔	✖	✔	✖	✔	✔	✔	✖
713-68850	1368850	ULTREX 80/MDI/IP_BT*	45"	80	24	✖	✔	OPTION	✔	✔	✔	✔	✖
713-68851	1368851	ULTREX 80/MDI/IP_BT*	52"	80	24	✖	✔	OPTION	✔	✔	✔	✔	✖
713-68852	1368852	ULTREX 80/MDI/IP_BT*	60"	80	24	✖	✔	OPTION	✔	✔	✔	✔	✖
713-68860	1368860	ULTREX 80/MDI/IP LINK_BT*	45"	80	24	✖	✖	✔	✔	✔	✔	✔	✖
713-68861	1368861	ULTREX 80/MDI/IP LINK_BT*	52"	80	24	✖	✖	✔	✔	✔	✔	✔	✖
713-68865	1368865+	ULTREX 80/MSI/IP LINK_BT*	45"	80	24	✖	✖	✔	Side/Down	✔	✔	✔	✖
713-68866	1368866+	ULTREX 80/MSI/IP LINK_BT*	52"	80	24	✖	✖	✔	Side/Down	✔	✔	✔	✖
713-68820	1368820	ULTREX 112/US2/IP_BT*	45"	112	36	✔	✔	OPTION	✖	✔	✔	✔	✖
713-68821	1368821	ULTREX 112/US2/IP_BT*	52"	112	36	✔	✔	OPTION	✖	✔	✔	✔	✖
713-68822	1368822	ULTREX 112/US2/IP_BT*	60"	112	36	✔	✔	OPTION	✖	✔	✔	✔	✖
713-68830	1368830	ULTREX 112/US2/IP LINK_BT*	45"	112	36	✔	✖	✔	✖	✔	✔	✔	✖
713-68831	1368831	ULTREX 112/US2/IP LINK_BT*	52"	112	36	✔	✖	✔	✖	✔	✔	✔	✖
713-68870	1368870	ULTREX 112/MDI/IP_BT*	45"	112	36	✖	✔	OPTION	✔	✔	✔	✔	✖
713-68871	1368871	ULTREX 112/MDI/IP_BT*	52"	112	36	✖	✔	OPTION	✔	✔	✔	✔	✖
713-68872	1368872	ULTREX 112/MDI/IP_BT*	60"	112	36	✖	✔	OPTION	✔	✔	✔	✔	✖
713-68880	1368880	ULTREX 112/MDI/IP LINK_BT*	45"	112	36	✖	✖	✔	✔	✔	✔	✔	✖
713-68881	1368881	ULTREX 112/MDI/IP LINK_BT*	52"	112	36	✖	✖	✔	✔	✔	✔	✔	✖
713-68885	1368885+	ULTREX 112/MDI/IP LINK_BT*	45"	112	36	✖	✖	✔	Side/Down	✔	✔	✔	✖
713-68886	1368886+	ULTREX 112/MDI/IP LINK_BT*	52"	112	36	✖	✖	✔	Side/Down	✔	✔	✔	✖

BT=Bluetooth **IP**=i-Pilot **IP LINK**=i-Pilot Link **US2**=Universal Sonar 2 **MDI**= Built-In Mega Down Imaging *Includes Foot Pedal +=New

BOW MOUNT TROLLING MOTOR SELECTION CHART

ORDER NO.	Mfr. No.	Model	Shaft Length	Max Thrust	Volts	Universal Sonar 2	i-Pilot	i-Pilot Link	Built-In MEGA DI	Pedal Included	Bluetooth	Lift Assist	Power Stow/ Deploy/Trim
POWERDRIVE BLUETOOTH													
713-58737	1358737	POWERDRIVE 55_BT*	54"	55	12	✖	OPTION	✖	✖	✔	OPTION	✖	✖
713-58744	1358744	POWERDRIVE 55/IP_BT	54"	55	12	✖	✔	✖	✖	✖	✔	✖	✖
713-58748	1358748	POWERDRIVE 55/US2_BT*	54"	55	12	✔	OPTION	✖	✖	✔	OPTION	✖	✖
713-58749	1358749	POWERDRIVE 55/US2/IP_BT	54"	55	12	✔	✔	✖	✖	✖	✔	✖	✖
713-58761	1358761	POWERDRIVE 70/US2/IP_BT	60"	70	24	✔	✔	✖	✖	✖	✔	✖	✖
713-58763	1358763	POWERDRIVE 70/US2_BT*	60"	70	24	✔	OPTION	✖	✖	✔	OPTION	✖	✖
TERROVA BLUETOOTH													
713-58805	1358805	TERROVA 55/IP_BT	54"	55	12	✖	✔	✖	✖	✖	✔	✔	✖
713-58857	1358857	TERROVA 55/US2/IP_BT*	54"	55	12	✔	✔	OPTION	✖	✔	✔	✔	✖
713-58858	1358858	TERROVA 55/US2/IP LINK_BT*	54"	55	12	✔	✖	✔	✖	✔	✔	✔	✖
713-58814	1358814	TERROVA 80/IP_BT	60"	80	24	✖	✔	✖	✖	✖	✔	✔	✖
713-58894	1358894	TERROVA 80/US2/IP_BT*	60"	80	24	✔	✔	OPTION	✖	✔	✔	✔	✖
713-58884	1358884	TERROVA 80/MDI/IP LINK_BT*	60"	80	24	✖	✖	✔	✔	✔	✔	✔	✖
713-58846	1358846	TERROVA 112/US2/IP_BT	60"	112	36	✔	✔	OPTION	✖	✔	✔	✔	✖
713-58837	1358837	TERROVA 112/MDI/IP LINK_BT*	60"	112	36	✖	✖	✔	✔	✔	✔	✔	✖
ULTERRA													
713-58920	1358920	ULTERRA 80/US2/IP_BT*	60"	80	24	✔	✔	OPTION	✖	✔	✔	✖	✔
713-58981	1358981	ULTERRA 80/MDI/IP LINK_BT*	60"	80	24	✖	✖	✔	✔	✔	✔	✖	✔
713-58986	1358986+	ULTERRA 80/MSI/IP LINK_BT*	60"	80	24	✖	✖	✔	Side/Down	✔	✔	✖	✔
713-58930	1358930	ULTERRA 112/US2/IP_BT*	60"	112	36	✔	✔	OPTION	✖	✔	✔	✖	✔
713-58991	1358991	ULTERRA 112/MDI/IP LINK_BT*	60"	112	36	✖	✖	✔	✔	✔	✔	✖	✔
713-58995	1358995+	ULTERRA 112/MSI/IP LINK_BT*	60"	112	36	✖	✖	✔	Side/Down	✔	✔	✖	✔
713-58996	1358996+	ULTERRA 112/MSI/IP LINK_BT*	72"	112	36	✖	✖	✔	Side/Down	✔	✔	✖	✔
FORTREX													
713-68670	1368670	FORTREX 80/US2*	45"	80	24	✔	✖	✖	✖	✔	✖	✔	✖
EDGE													
713-55957	1355957	EDGE 55*	52"	55	12	✖	✖	✖	✖	✔	✖	✖	✖

BT=Bluetooth **IP**=i-Pilot **IP LINK**=i-Pilot Link **US2**=Universal Sonar 2 **MDI**= Built-In Mega Down Imaging *Includes Foot Pedal +=New

TRANSOM MOUNT TROLLING MOTOR SELECTION CHART

ORDER NO.	Mfr. No.	Model	Max Thrust	Volts	Mount Style	Shaft Length	Maximizer	Speeds	Handle	Battery Meter
				ENDURA MAX						
713-52156	1352156	ENDURA MAX 55	55	12	Transom	42"	Yes	Variable	Extendable	Yes
713-52145	1352145	ENDURA MAX 45	45	12	Transom	36"	Yes	Variable	Extendable	Yes
713-52140	1352140	ENDURA MAX 40	40	12	Transom	36"	Yes	Variable	Extendable	Yes
				ENDURA C2						
713-52256	1352256	ENDURA C2 55	55	12	Transom	42"	No	5 forw/3rev	Extendable	No
713-52255	1352255	ENDURA C2 55	55	12	Transom	36"	No	5 forw/3rev	Extendable	No
713-52250	1352250	ENDURA C2 50	50	12	Transom	36"	No	5 forw/3rev	Extendable	No
713-52240	1352240	ENDURA C2 40	40	12	Transom	36"	No	5 forw/3rev	Extendable	No
713-52230	1352230	ENDURA C2 30	30	12	Transom	30"	No	5 forw/3rev	Extendable	No

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www.minnkotamotors.com

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713-58814

ORDER NO.	Mfr. No.	Model	SHAFT LENGTH/VOLTS	
713-58805	1358805+	TERROVA 55/IP_BT - Bow Mount	54"/12 Volt	NEW!
713-58857	1358857	TERROVA 55/US2/IP_BT - Bow Mount*	54"/12 Volt	
713-58858	1358858	TERROVA 55/US2/IP LINK_BT - Bow Mount*	54"/12 Volt	
713-58814	1358814+	TERROVA 80/IP_BT - Bow Mount	60"/24 Volt	NEW!
713-58894	1358894	TERROVA 80/US2/IP_BT - Bow Mount*	60"/24 Volt	
713-58884	1358884	TERROVA 80/MDI/IP LINK_BT - Bow Mount*	60"/24 Volt	
713-58846	1358846	TERROVA 112/US2/IP_BT - Bow Mount*	60"/36 Volt	
713-58837	1358837	TERROVA 112/MDI/IP LINK_BT - Bow Mount*	60"/36 Volt	
713-58920	1358920	ULTERRA 80/US2/IP_BT - Bow Mount*	60"/24 Volt	
713-58981	1358981	ULTERRA 80/MDI/IP LINK_BT - Bow Mount*	60"/24 Volt	
713-58930	1358930	ULTERRA 112/US2/IP_BT - Bow Mount*	60"/36 Volt	
713-58991	1358991	ULTERRA 112/MDI/IP LINK_BT - Bow Mount*	60"/36 Volt	
713-68670	1368670	FORTREX 80/US2 - Bow Mount*	45"/24 Volt	
713-55957	1355957	EDGE 55 - Bow Mount*	52"/12 Volt	
713-52156	1352156	ENDURA MAX 55 - Transom Mount	42"/12 Volt	
713-52145	1352145	ENDURA MAX 45 - Transom Mount	36"/12 Volt	
713-52140	1352140	ENDURA MAX 40 - Transom Mount	36"/12 Volt	
713-52256	1352256	ENDURA C2 55 - Transom Mount	42"/12 Volt	
713-52255	1352255	ENDURA C2 55 - Transom Mount	36"/12 Volt	
713-52250	1352250	ENDURA C2 50 - Transom Mount	36"/12 Volt	
713-52240	1352240	ENDURA C2 40 - Transom Mount	36"/12 Volt	
713-52230	1352230	ENDURA C2 30 - Transom Mount	30"/12 Volt	

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ORDER NO.	Mfr. No.	Model	SHAFT LENGTH/VOLTS
713-68800	1368800	ULTREX 80/US2/IP_BT - Bow Mount*	45"/24 Volt
713-68801	1368801	ULTREX 80/US2/IP_BT - Bow Mount*	52"/24 Volt
713-68810	1368810	ULTREX 80/US2/IP LINK_BT - Bow Mount*	45"/24 Volt
713-68811	1368811	ULTREX 80/US2/IP LINK _BT - Bow Mount*	52"/24 Volt
713-68850	1368850	ULTREX 80/MDI/IP_BT - Bow Mount*	45"/24 Volt
713-68851	1368851	ULTREX 80/MDI/IP_BT - Bow Mount*	52"/24 Volt
713-68852	1368852	ULTREX 80/MDI/IP_BT - Bow Mount*	60"/24 Volt
713-68860	1368860	ULTREX 80/MDI/IP LINK_BT - Bow Mount*	45"/24 Volt
713-68861	1368861	ULTREX 80/MDI/IP LINK_BT - Bow Mount*	52"/24 Volt
713-68820	1368820	ULTREX 112/US2/IP_BT - Bow Mount*	45"/36 Volt
713-68821	1368821	ULTREX 112/US2/IP_BT - Bow Mount*	52"/36 Volt
713-68822	1368822	ULTREX 112/US2/IP_BT - Bow Mount*	60"/36 Volt
713-68830	1368830	ULTREX 112/US2/IP LINK_BT - Bow Mount*	45"/36 Volt
713-68831	1368831	ULTREX 112/US2/IP LINK_BT - Bow Mount*	52"/36 Volt
713-68870	1368870	ULTREX 112/MDI/IP_BT - Bow Mount*	45"/36 Volt
713-68871	1368871	ULTREX 112/MDI/IP_BT - Bow Mount*	52"/36 Volt
713-68872	1368872	ULTREX 112/MDI/IP_BT - Bow Mount*	60"/36 Volt
713-68880	1368880	ULTREX 112/MDI/IP LINK_BT - Bow Mount*	45"/36 Volt
713-68881	1368881	ULTREX 112/MDI/IP LINK_BT - Bow Mount*	52"/36 Volt
713-58737	1358737	POWERDRIVE 55_BT - Bow Mount*	54"/12 Volt
713-58744	1358744	POWERDRIVE 55/IP_BT	54"/12 Volt
713-58748	1358748	POWERDRIVE 55/US2_BT - Bow Mount*	54"/12 Volt
713-58749	1358749	POWERDRIVE 55/US2/IP_BT	54"/12 Volt
713-58761	1358761	POWERDRIVE 70/US2/IP_BT	60"/24 Volt
713-58763	1358763	POWERDRIVE 70/US2_BT - Bow Mount*	60"/24 Volt

BT=Bluetooth **IP**=i-Pilot **IP LINK**=i-Pilot Link **US2**=Universal Sonar 2 **MDI**= Built-In Mega Down Imaging *Includes Foot Pedal +=New

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For more information see:
www.minnkotamotors.com

There's no excuse for missing a fish because you were messing with your boat. Our re-designed i-Pilot® and i-Pilot® Link systems automatically control your boat with GPS accuracy, so you can do more fishing and less excuse-making.

Note: These Remotes are Compatible with Bluetooth-enabled i-Pilot Systems (2017 or later) Only

I-PILOT® BT

The most-trusted GPS remote now has an all-new 33% larger LCD screen for total control. GPS technology integrated into trolling motor provides unprecedented boat control and flexibility.

FEATURES:
- **Remote**: Larger LCD screen and more intuitive controls
- **Reinvented Spot-Lock**: New hardware and software algorithms combine to create the most accurate electronic GPS anchor ever
- **Jog**: Move your current Spot-Lock position 5 feet to the left or right, forward or backward, with the simple push of a button
- **Bluetooth® Wireless Communication**: Fast, secure connection allows for easy software updates via your Apple® or Android ® device
- **Phone App**: Control i-Pilot directly from your Apple® or Android ® device. Enables quick command of speed, steering, Spot-Lock and Auto-Pilot plus ability to update your i-Pilot software
- iTrack Record/Playback
- Advance AutoPilot
- Cruise Control
- CoPilot

The new i-Pilot remote includes:
- Rugged, soft grip design
- 33% larger, full sunlight-viewable LCD screen
- New soft keys for easier and expanded menu navigation
- Power supplied by 3 x AAA batteries, with an anticipated battery lifetime of approximately one fishing season

i-PILOT AVAILABLE PRE-INSTALLED ON:
Select Ultrex, Ulterra, Terrova and PowerDrive Trolling Motors

ORDER NO.	Mfr. No.	Description
718-66550	1866550	i-Pilot Remote - Bluetooth

718-66550 iPilot

718-66650 iPilot Link

I-PILOT® LINK BT

Link lets your Humminbird and trolling motor communicate. Fully integrated. Completely unstoppable

FEATURES:
- **Remote**: Compact design with larger full-color touchscreen LCD
- **Reinvented Spot-Lock**: New hardware and software algorithms combine to create the most accurate GPS anchor ever
- **Jog**: Move your current Spot-Lock postion 5 feet to the left or right, forward or backward, with the simple push of a button
- **Phone App**: Trolling motor controls and software updates (iOS and Android)
- **Circle**: Select a position, dial in an offset distance, and travel around your selected location in a circular direction at the speed of your choice
- **Virtual Remote**: Control speed, steering, Spot-Lock and Advanced AutoPilot directly from your Humminbird® (Ethernet models)
- Follow the Contour and Contour Offset
- BackTrack
- Go To
- iTrack Record/Playback
- Advance AutoPilot
- Cruise Control
- CoPilot

The new i-Pilot Link remote includes:
- Compact, soft-grip design that fits better in the user's hand
- Large, full-color, sunlight-viewable LCD screen
- Dual Interface Control
- Touchscreen user interface with intuitive, customizable menu
- Full function keypad control
- Integrated, rechargeable battery, with an anticipated battery charge of approximately one fishing day

i-PILOT LINK AVAILABLE PRE-INSTALLED ON:
Select Ultrex, Ulterra and Terrova Trolling Motors

ORDER NO.	Mfr. No.	Description
718-66650	1866650	i-Pilot Link Remote - Bluetooth

COPILOT ACCESSORY - POWERDRIVE BT

Compatible with PowerDrive trolling motors model year 2017 or later.

Wireless system allows you to control speed, steering and prop on/off on your PowerDrive trolling motor. It installs easily with plug-nplay design located inside the side plate of the trolling motor mount. A plug is also included, allowing a corded foot pedal to be used in conjunction with CoPilot. Includes wireless remote, receiver, neck lanyard and installation hardware.

718-66155 Copilot Accessory

ORDER NO. 718-66155
Mfr. No. 1866155

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i-Pilot BT	i-Pilot Link BT	FEATURE	i-Pilot Legacy*	i-Pilot Link Legacy*
16 Spots X	2,500 Spots X	SPOT-LOCK Jog	6 Spots -	2,500 Spots -
X	X	ADVANCED AUTOPILOT	X	X
X	X	GO TO	-	X
X	X	CRUISE CONTROL	X	X
X	X	SPEED AND STEERING	X	X
X	X	PHONE APP	-	-
16 iTRACKS - -	66 iTRACKS X X	iTRACKS iTrack Offset BackTrack	6 iTRACKS* - -	50 iTRACKS* - X
- -	X X	FOLLOW THE CONTOUR Contour Offset	- -	X X
-	X	CIRCLE MODE	-	-
-	X	HUMMINBIRD INTEGRATION	-	X
		AVAILABLE ON		
X[1]	X[1]	PRE-INSTALLED ULTERRA	X[2]	X[2]
X[1]	X[1]	PRE-INSTALLED TERROVA	X[2]	X[2]
X1	-	PRE-INSTALLED POWERDRIVE	-	-
X1	X[1]	PRE-INSTALLED ULTREX	-	N/A

**Compatible with legacy trolling motor models manufactured in 2016 or earlier*
[1]Remote only compatible with 2017 motors and later
[2]Remote only compatible with 2016 motors and earlier

I-PILOT ACCESSORIESCOMPATIBLE WITH LEGACY BOW-MOUNT TROLLING MOTOR MODELS THAT HAVE BEEN MANUFACTURED IN 2016 OR EARLIER

I-PILOT REMOTE

Compatible with non-Bluetooth i-Pilot Link systems that have been manufactured in 2016 or earlier.
Features an LCD screen and ergonomic buttons to control active functions, speed, prop on/off status, battery power and GPS signal strength. Compact, waterproof, floats and has an easy-access battery compartment. i-Pilot Systems can learn multiple remotes for increased flexibility.

ORDER NO. 718-66350
Mfr. No. 1866350

718-66350

COPILOT™ ACCESSORY POWERDRIVE V2 LEGACY

***Compatible with legacy PowerDrive V2 bow-mount trolling motors manufactured in 2016 or earlier**

- Wireless control for PowerDrive V2 legacy trolling motors
- Plug-n-Play design allows for easy hook-up
- Functions include steering (right/left), prop on/off and speed control
- Receiver mounts to the right side plate of motor mount
- Plug included to allow a corded foot pedal to be used in conjunction with CoPilot
- System includes key-fob remote control, receiver, lanyard and mounting hardware

ORDER NO.	Mfr. No.	Description
718-66150	1866150	CoPilot System, Wireless, PowerDrive V2

For more information see: www.minnkotamotors.com

PLUG & RECEPTACLE / MKR-26

Trolling motor plug & receptacle provides continuous power rated to 60 amps up to 48V.
Designed for freshwarer & saltwater applications.
This plug is a recommended replacement for the MKR-18.

ORDER NO.	Mfr. No.	Description
718-65128	1865128	Plug & Receptacle - MKR-26

NEW!

COMPOSITE QUICK RELEASE BRACKETS

Easily remove your electric-steer, bow-mount trolling motor. High-yield composite construction is super strong and impervious to corrosion. Low-profile design leaves deck clear when motor is removed. Locking handle with stainless steel pins can be secured with padlock (padlock not included, sold separately).
NOTE: Not for use with 72" shaft length motors.
Compatible with Ulterra, Terrova, PowerDrive, PowerDrive V2, PowerDrive Pontoon and Deckhand 40.

ORDER NO.	Mfr. No.	Model No.	Description	Application
718-54021	1854021	(MKA-21)	Composite Quick Release Brackets	All Electric Steer

MKA-16-03 QUICK RELEASE BRACKET

For quick, easy removal of your electric-steer, bow-mount trolling motor. Extruded aluminum design with side screw provides quiet and secure locking system.

Compatible with Ulterra, Terrova, PowerDrive, PowerDrive V2, PowerDrive Pontoon and Deckhand 40.

ORDER NO.	Mfr. No.	Description
718-54035	1854035	Aluminum Quick Release Bracket
718-54036	1854036	Aluminum Quick Release Bracket - Bulk

ELECTRIC STEER QUICK RELEASE BRACKETS

Quickly remove your electric-steer, bow-mount trolling motor. Cam-lock design and ultra-tight tolerances eliminate bracket movement and noise. Locking lever includes pin and lanyard. Upper and lower plates can be secured with padlock (not included). Composite cover attaches to lower half of bracket when motor is removed, keeping the deck profile clean.

718-54051

718-54053

718-54060

ORDER NO.	Mfr. No.	Description	Application
718-54051	1854051	Electric Steer Quick Release Bracket 6" Slide	Ulterra, Terrova, PowerDrive, PowerDrive V2, PowerDrive Pontoon, & DeckHand 40
718-54053	1854053	Composite Electric Steer Quick Release Bracket High Strength, Black	Ulterra, Riptide Ulterra, Terrova, Riptide Terrova, PowerDrive, Riptide PowerDrive, PowerDrive Pontoon, & DeckHand 40
718-54060	1854060	Electric Steer Quick Release Bracket w/ Cover	Ulterra, Terrova, PowerDrive, PowerDrive V2, PowerDrive Pontoon, & DeckHand 40

REPLACEMENT PROPS

Minn Kota offers a wide range of replacement props to fit all existing and many discontinued models. The props include the nut attachment and can be installed in seconds.

WEEDLESS WEDGE PROPS

The patented Weedless Wedge is the only 100% weedless prop in the history of fishing. It delivers full power so there's no need to carry an extra prop and a wrench. The leading edge on each propeller blade is shaped with a swept-back edge that always meets at an angle of less than 45º.

"Wedges" weeds away from the hub - even at slow fishing speeds

WEEDLESS WEDGE 2

The next generation of the industry's only 100% fully weedless prop. Swept-back, flared blades "wedge" weeds away, allowing you to pass through heavy vegetation at any speed, without draining valuable battery power.

ORDER NO.	Mfr. No.	Prop No.	Description	Motor Diameter	Prop Nut Kit
718-65003	1865003	2061125	MKP-6 Prop Weedless Wedge	3-1/4"	"A"
718-65006	1865006	2091150	MKP-7 Prop Weedless Wedge	3-5/8"	"A"
718-65017	1865017	2091160	MKP-32 Prop Weedless Wedge 2	3-5/8"	"A"

CIRCUIT BREAKER - MKR-19

Protects trolling motor from electrical damage. 60 amp rating with manual reset. Fully waterproof. Compatible with all 12-, 24- and 36-volt systems.

ORDER NO. 718-65106 Mfr. No. 1865106

UNIVERSAL SONAR 2 ADAPTER CABLES

Universal Sonar 2 delivers advanced water temperature sensing and DualBeam PLUS™ technology for the best view of the waters below. These adapters connect your trolling motor to your favorite brand of sonar or fishfinder (200 kHz and 200/83 kHz DualBeam PLUS™ compatible). Shielded, IP68-rated waterproof connectors are metal tipped to prevent sonar interference.

ORDER NO.	Mfr. No.	Description
718-52060	1852060	MKR-US2-10 Lowrance
718-52061	1852061	MKR-US2-1 Garmin
718-52068	1852068	MKR-US2-8 Humminbird 7-pin
718-52069	1852069	MKR-US2-9 Lowrance/Eagle 6-pin
718-52075	1852075	MKR-US2-15 Lowrance Hook2
718-52076	1852076	MKR-US2-16 Lowrance Elite Ti2 & HDS

MDI ADAPTER CABLES

MDI ADAPTER CABLES - MEGA IMAGING

MEGA Imaging® uses high-frequency sonar so you can easily distinguish fish from structure, see the direction fish are facing and even target individual species. And now with MEGA Imaging+, you'll be able to scan deeper and wider without sacrificing clarity. Adapter connects your Humminbird HELIX 7 (G3, G3N), 8, 9, 10 or 12 fish finder with a built-in MEGA Down Imaging transducer on your trolling motor.

ORDER NO.	Mfr. No.	Description
718-52086	1852086	MDI-2-HB, Helix Series 7, G3, G3N

US2 EXTENSION CABLE / MKR-US2-11

Extension cable allows for an additional 14-1/2 ft. of length to your US2 adapter cables that connect your fishfinder with a US2 transducer on your trolling motor. Universal Sonar 2 delivers advanced water temperature sensing for the best view of the water below. Waterproof construction.

NEW!

ORDER NO.	Mfr. No.	Description
718-52080	1852080	MKR-US2-11, Extension Cable, Univ

QUICK RELEASE TROLLING MOTOR MATE MOUNTING PLATE

- For use with MinnKota® wireless trolling motors: AutoPilot, Grip Glide, Powerdrive, Terrova, RipTide ST and RipTide SP models
- Unique design eliminates tarp damage
- Easy-On / Easy Off mounting – removes in seconds
- Exclusive locking feature
- Marine grade powder coat finish
- Includes hardware

ORDER NO.	Mfr. No.
109-94100-4	94100-4

For more information see: www.attwoodmarine.com

10" TROLLING MOTOR STABILIZER

Secure your electric trolling motor in place for travel at high speeds in rough seas.
Unlike other mounts, no part permanently attaches to your trolling motor. The base can be mounted either on the deck or the gunnel. Simply lift the rubber tab for quick and easy deployment and stowing. The trolling motor mount will add years to the life of your bow mount electric trolling motor.

- Precision machined aluminum & stainless steel

NEW!

ORDER NO. 934-950210 Mfr. No. 95-0210

For more information see: www.panthermarineproducts.com

TROLLING MOTOR PROP COVERS

- Extend the life of your boat cover by protecting it from wear and tear caused by sharp edges on your trolling motor prop.
- Made from heavy-duty marine grade vinyl.
- 2 sizes, 2 styles in 2 colors to choose from.
- One Year Warranty

ORDER NO.	Mfr. No.	Description	Colour
102-00255	255	2 Blade Cover - 12"	Red
102-00257	257	2 Blade Cover - 12"	Black
102-00355	355	3 Blade Cover - 10"	Red
102-00357	357	3 Blade Cover - 10"	Black

Sizes to Fit Both 2 or 3 Blade Propellers

Fits these propellers and more

Motor Guide
Safari (2 Prop)
Machete III (3 Prop)
Power Prop (2 Prop)

Minn Kota
MKP-6 (2 Prop)
MKP-7 (2 Prop)
MKP-8 (2 Prop
MKP-24 (2 Prop)

Model #255 Front

Model #257 Back

Model #357 Front

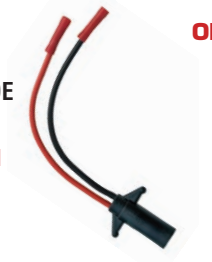
Model #355 Back

For more information see: www.taylormadeproducts.com

TROLLING MOTOR PLUGS

6" 8 GAUGE WITH BUTT CONNECTORS

V-GROOVE FEMALE MOTOR SIDE TROLLING MOTOR SOCKET
ORDER NO. 051-10600-1
12 Volt
Use with 051-10610-1



V-GROOVE MALE BOAT SIDE TROLLING MOTOR PLUG
ORDER NO. 051-10610-1
12 Volt
Use with 051-10600-1

MALE BOAT SIDE TROLLING MOTOR PLUG
ORDER NO. 051-10520-1
12 Volt
Use with 051-10530-1

FEMALE MOTOR SIDE TROLLING MOTOR SOCKET
ORDER NO. 051-10530-1
12 Volt
Use with 051-10520-1

MALE BOAT SIDE TROLLING MOTOR PLUG
ORDER NO. 051-10540-1
24 Volt
Use with 051-10550-1

FEMALE MOTOR SIDE TROLLING MOTOR SOCKET
ORDER NO. 051-10550-1
24 Volt
Use with 051-10540

6" 10 GAUGE WITH BUTT CONNECTORS

FEMALE BOAT SIDE TROLLING MOTOR SOCKET
ORDER NO. 051-10470-1
12 Volt
Use with 051-10480-1

MALE MOTOR SIDE TROLLING MOTOR PLUG
ORDER NO. 051-10480-1
12 Volt
Use with 051-10470-1

FEMALE BOAT SIDE TROLLING MOTOR SOCKET
ORDER NO. 051-10490-1
24 Volt
Use with 051-10500-1

MALE MOTOR SIDE TROLLING MOTOR PLUG
ORDER NO. 051-10500-1
24 Volt
Use with 051-10490-1

10" 10 GAUGE WITH BUTT CONNECTORS

FEMALE BOAT SIDE TROLLING MOTOR SOCKET
ORDER NO. 051-10560
12 Volt, 3 Slots
Use with 051-10570

MALE MOTOR SIDE TROLLING MOTOR SOCKET
ORDER NO. 051-10570
12 Volt, 3 Plugs
Use with 051-10560

MALE BOAT SIDE TROLLING MOTOR PLUG
ORDER NO. 051-10640
24 Volt, 60 Amp
Use with 051-10650

FEMALE MOTOR SIDE SOCKET
ORDER NO. 051-10650
24 Volt
Use with 051-10640

POLARIZED CONNECTORS

These polarized connector sets plug together only one way to prevent cross connections. Constructed of rugged plastic with molded-in terminals for durability. Wire connections are easy and fast with just a screwdriver. Soft, pliable rubber caps protect the rear of each connector. Dozens of uses. Sold only in mating pairs.

ORDER NO.	Mfr. No.	Description
051-43624	TC43624	4 Pole Polarized Connector - Round

TC43624

TALON

UNLOCK THE WATER

Introducing the all-new Talon shallow water anchor. Up to 15' deep, with multiple anchoring modes, and control from the bow, transom, console, remote or mobile app. Unlock more water, and never miss another fish. Only with Talon.

Control more water and catch more fish with the first 15 Ft. shallow water anchor – 50% deeper than the competition.

With more control options than ever before, you can Talon down from anywhere on the boat using the Talon control panel, standard Talon remote, wireless foot switch, i-Pilot or i-Pilot Link remote, the Talon mobile app, or your Humminbird fish finder.

ORDER NO.	Mfr. No.	Length	Colour	Deploy Depth	Stowed Height	Weight
718-10452	1810452	12'	Black	12'	57"	47 lbs.
718-10453	1810453	12'	Silver/Black	12'	57"	47 lbs
718-10462	1810462	15'	Black	15'	69"	55 lbs
718-10463	1810463	15'	Silver/Black	15'	69"	55 lbs

FEATURES:

- User Selectable
- Anchoring Modes
- Built-in Work Light
- Vertical Deployment
- LED Depth Indicator
- Wave Absorption
- Warranty
- Wireless Remote
- Saltwater Tough
- Engineering
- Auto Up/Down
- Pivoting Design
- Deployment Notification
- Alarm

UNIVERSAL MODULAR TILT / ADAPTER BRACKETS

It's easy to choose your bracket, easy to install and pretty much impossible for anything to stop it. Talon's Universal Modular Adapter Brackets are built stronger than they have to be, and their innovative design lets you put Talon in just the right position on your boat. Mount Talon directly to the side of your jack plate or between your jack plate and transom or between the outboard and transom, on either the port or starboard side of your boat.

- Unparalleled Strength – made with extruded aluminum and reinforced with rugged construction. Brackets hold Talon steady whether you're trailering or tearing through heavy chop.
- Universal Modular Design – Two brackets. Any transom. Fits any situation and the brackets can be adjusted and tweaked to the perfect orientation. Interlocking teeth clamp-down to hold brackets and Talon in place once in position.

718-10340

718-10302
Port

718-10303
Starboard

ORDER NO.	Mfr. No.	Description	Setack	Port/Starboard
718-10340	1810340	Jack Plate Adapter Bracket	Variable	Both
718-10302	1810302	Sandwich-Style Adapter Bracket	Variable	Port
718-10303	1810303	Sandwich-Style Adapter Bracket'	Variable	Starboard

ORDER NO.	Mfr. No.	Description
718-10222	1810222	Tilt Bracket

Note: Requires use of a Talon Adapter Bracket.
Not intended for use with Talon direct-mounted to hull of boat.

718-10222
Tilt Bracket

OTHER TALON MOUNTING ACCESSORIES

Quick Release Power Disconnect Plug

This heavy-duty, waterproof connector features an all-inclusive screw-lock design.

ORDER NO. 718-10244
Mfr. No. 1810244
For more information see: www.minnkotamotors.com

Talon/Raptor Wireless Stomp Switch

Allows for hands free control of your Minn Kota Shallow Water Anchor

- Bluetooth • Waterproof
- Selection & control of single or dual Shallow Water Anchors
- Automatic Up/Down
- Includes batteries & mounting hardware

NEW!

ORDER NO. 718-10253 Mfr. No. 1810253

MINN KOTA

RAPTOR IS RELENTLESS

MEET RAPTOR THE SHALLOW WATER ANCHOR THAT NEVER STOPS WORKING TO KEEP YOU LOCKED-IN.

Raptor keeps working to hold you more reliably than any other anchor, especially in rough conditions. It knows where you're anchoring, what's happening to your boat, and what to do next. It reads the bottom, senses the anchoring force and reacts automatically to keep you locked down until the moment you're ready to change spots. Legendary Minn Kota durability and innovative anchoring technology make Raptor the only hydraulic anchor that can call itself relentless.

ACTIVE ANCHORING: ***(Standard on most Raptor models. Optional on black & silver 8' models)***
Raptor senses when wind and waves pick up and start to threaten your hold.
Then it automatically anchors itself back, and you don't have to lift a finger.

AUTO-BOTTOM MODE: ***(Select models only)***
Whether you're anchoring into rocks, mud, silt, sand or anything else - Raptor automatically senses the bottom to apply the right hold, with Auto-Bottom Mode. It's just one of four User-Selectable Anchoring Modes on Raptor. You can also activate Soft Bottom Mode for mud and silt, Rough Water Mode in wind and heavy chop, or Standard Mode for normal conditions.

NEW!

USER-SELECTABLE ANCHORING MODES: - Separate anchoring modes
Rough Water Mode: (heavy wind and chop),
Soft Bottom Mode: (muddy or silted bottom),
Standard Mode: (normal anchoring),
Auto-Bottom Mode: (on Active Anchoring equipped models which automatically delivers the ideal anchoring force by sensing bottom hardness).

DURABLE DESIGN:
A wider profile, heavy duty reinforced pivot points and extruded aluminum design will keep Raptor on the water in the harshest conditions.

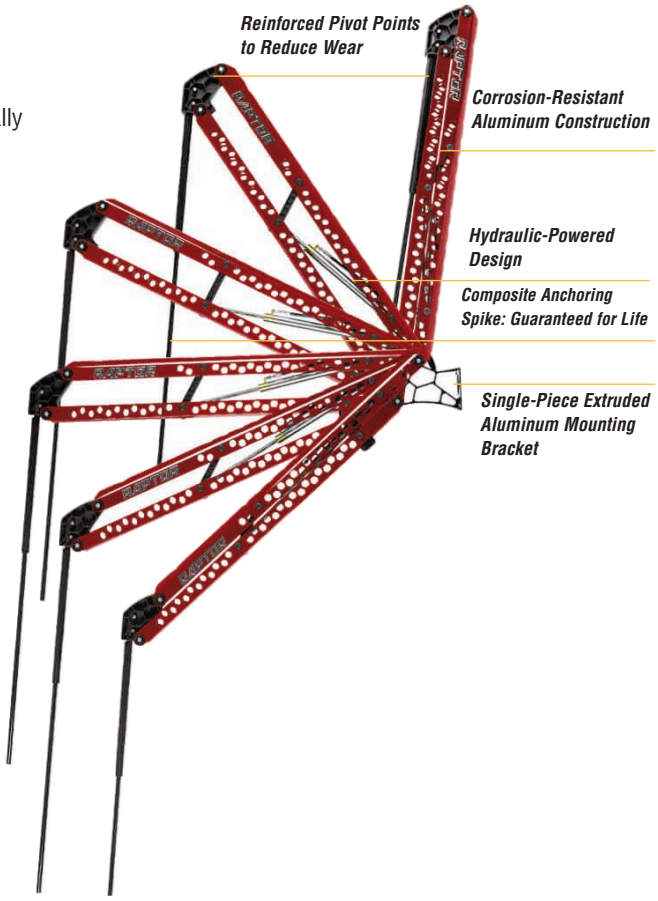
RETRACTION FORCE:
Raptor Is designed with increased retraction force to ensure spike removal in all bottom types.

INDESTRUCTABLE ANCHORING SPIKE:
Strong and flexible composite anchor spike backed with a lifetime guarantee.

AUTO UP/DOWN:
Automatically deploy or retract your Raptor with the push of a button; no need to hold the button down.

SALTWATER-TOUGH ENGINEERING:
Keeps Raptor safe from the corrosive effects of saltwater.

Raptor shallow water anchors with and without active anchoring cannot be paired to one-another.



ORDER NO.	Mfr. No.	Length	Colour	Deploy Depth	Weight
718-10620	1810620	8'	Black	8'	38"
718-10621	1810621	8'	White	8'	38"
718-10622	1810622	8'	Red	8'	38"
718-10623	1810623	8'	Silver	8'	38"
718-10630	1810630	10'	Black	10'	44"
718-10631	1810631	10'	White	10'	44"
718-10632	1810632	10'	Red	10'	44"
718-10633	1810633	10'	Silver	10'	44"

MOUNTING & ACCESSORIES

RAPTOR MOUNTING BRACKETS

Raptor's single-piece aluminum brackets provide superior strength and a rock-solid hold on the back of your boat. They're powder-coated for corrosion resistance in any situation, and mounted with stainless steel hardware. Just choose how you want to mount Raptor and we've got the perfect bracket for you.

- **Direct to Transom Mounting - Direct Mount Angle Bracket**
  If you're mounting directly to your transom, this bracket delivers maximum holding power and an optimal deployment angle for Raptor.
- **Jack Plate Mounting - Jack Plate Brackets**
  If you are mounting to your outboard's jack plate, choose whether you're mounting on the port or starboard side. For smaller, lighter boats choose the 4" rise. For larger, heavier boats choose the taller 6" rise. You can also use these brackets without a jack plate by adding the Raptor Universal Sandwich Adapter.

718-10370

718-10371

718-10360

718-10361

718-10362

718-10363

718-10380

718-10385

ORDER NO.	Mfr. No.	Description	Setback / Rise	Port/Starboard
718-10370	1810370	Raptor 3" Setback Bracket - Black	3" / NA	Both
718-10375	1810375	Raptor 3" Setback Bracket - White	3" / NA	Both
718-10371	1810371	Raptor Direct Mount Angle Bracket - Black	5" / NA	Both
718-10376	1810376	Raptor Direct Mount Angle Bracket - White	5" / NA	Both
718-10360	1810360	Raptor 4" Jack Plate Adapter Bracket - Black	2" / 4"	Starboard
718-10365	1810365	Raptor 4" Jack Plate Adapter Bracket - White	2" / 4"	Starboard
718-10361	1810361	Raptor 4" Jack Plate Adapter Bracket - Black	2" / 4"	Port
718-10366	1810366	Raptor 4" Jack Plate Adapter Bracket - White	2" / 4"	Port
718-10362	1810362	Raptor 6" Jack Plate Adapter Bracket - Black	2" / 6"	Starboard
718-10367	1810367	Raptor 6" Jack Plate Adapter Bracket - White	2" / 6"	Starboard
718-10363	1810363	Raptor 6" Jack Plate Adapter Bracket - Black	2" / 6"	Port
718-10368	1810368	Raptor 6" Jack Plate Adapter Bracket - White	2" / 6"	Port
718-10380	1810380	Raptor Jack Plate Adapter Bracket - Black	5" / 4"	Starboard
718-10381	1810381	Raptor Jack Plate Adapter Bracket - Black	5" / 4"	Port
718-10384	1810384	Raptor Jack Plate Adapter Bracket - Black	8" / 6"	Starboard
718-10385	1810385	Raptor Jack Plate Adapter Bracket - Black	8" / 6"	Port

NEW!

For more information see: www.minnkotamotors.com

ORDER NO.	Mfr. No.	Description	Setback / Rise	Port/Starboard
718-10388	1810388	Raptor Univ. Sandwich Adapter-**Dual*** - Black	N/A / NA	Both
718-10389	1810389	Raptor Univ. Sandwich Adapter-**Dual*** - White	N/A / NA	Both

718-10388 Dual

* Allows installation of jack plate brackets without a jack plate

Raptor/Talon Wireless Stomp Switch

Allows for hands free control of your Minn Kota Shallow Water Anchor.

- Bluetooth • Waterproof
- Selection & control of single or dual Shallow Water Anchors
- Automatic Up/Down
- Includes batteries & mounting hardware

NEW!

ORDER NO. 718-10253 Mfr. No. 1810253

Raptor Wireless Footswitch - Bluetooth

Allows for hands free control of your Raptor.

NEW!

- Selection & control of single or dual Raptors
- LED display of anchor mode for single or dual Raptors
- Automatic Up/Down
- Waterproof & floats • Battery included

ORDER NO. 718-10258
Mfr. No. 1810258

1" - BALL MOUNTING SYSTEMS

The ball joint design enables a smooth, full range of motion. The corrosion proof construction of this system provides a long service life in both fresh and salt water applications. Ideal for cup holders, camera, and other lightweight accessories. The Scotty 151 & 152 provides a mounting receptacle for a variety of Scotty post mount accessories. The Gear Head's effortless drop & lock system allows the user to secure and re-position post mount accessories with just a twist.

ORDER NO.	Mfr. No.	Description
382-01500	0150	1" Ball Mount - Universal Mounting Plate
382-01510	0151	1" Ball Mount - GearHead & Track
382-01520	0152	1" Ball Mount - Gear Head, Post & Side Deck Mount

382-01500 382-01510 382-01520

1" & 1.5" BALL w/ LOW PROFILE TRACK ADAPTER

For use with all Scotty 1" or 1.5" ball mounts and Scotty low profile tracks.
Adapt low profile track to a 1" or 1.5" ball mounting system.

NEW!

ORDER NO.	Mfr. No.	Description
382-01580	0158	1" Ball Mount with Track Adapter
382-01680	0168	1-5" Ball Mount with Track Adapter

1" & 1.5" BALL w/ POST

For use with all Scotty post mounts.
Adapt post mount to a 1" or 1.5" ball mounting system.

NEW!

ORDER NO.	Mfr. No.	Description
382-01590	0159	1" Ball Mount with Post Mount
382-01690	0169	1-5" Ball Mount with Post Mount

1-1/2" BALL MOUNTING SYSTEMS

All of the features about the 1" ball mounting system only bigger. The bigger ball design gives you a much greater clamping force for larger accessories while still having a smooth full range of motion. The 163 top plate has been designed to accept large fish finders. Click & lock any Scotty post mount accessory into the 162 Gear Head. Designed for use with Scotty rod holders.

ORDER NO.	Mfr. No.	Description
382-01620	0162	1-1/2" Ball Mount - Gear Head, Post & Side Deck Mount
382-01630	0163	1-1/2" Ball Mount - Larger Fishfinder Plate, Post & Side Deck Mount

382-01620

382-01630

2-25" BALL MOUNTING SYSTEM

NEW!

Arrange your fish finder at the perfect angle on your watercraft with this heavy duty 2.25" ball mount. Designed for 10"- 12" fish finders.
Prefabricated holes on the top plate allow easy installation of your gimbal mount bracket.
The square base securely fastens with ¼" bolts. 2.25" ball design has superior strength and reliable holding power. Constructed using engineering grade Nylon and stainless steel fasteners to last a lifetime.

ORDER NO.	Mfr. No.	Description
382-01730	0173	2-25" Ball Mount with Fishfinder / Chart Plotter Top Plate

DOWNRIGGER SELECTION CHART

TYPE	ELECTRIC MODELS					MANUAL
MODEL	OPTIMUM TS	OPTIMUM	MAG 10-TS	MAG 10	MAG 5	EASI-TROLL ST
ORDER NO.	719-02340	719-02335	719-02310	719-02305	719-02300	719-01020
Mfr. No.	1902340	1902335	1902310	1902305	1902300	1901020
FEATURE:						
Depth Cycle	Yes	Yes	-	-	-	N/A
Preset Depth Storage	Yes	Yes	-	-	-	N/A
Bottom Tracking**	Compatible	Compatible	-	-	-	N/A
Adjustable Speeds	Yes	Yes	-	-	-	N/A
Waterline Zero	Yes	Yes	-	-	-	N/A
Line on Spool	400'/150 lb Stainless Steel Cable	400'/150 lb Stainless Steel Cable	250'/150 lb Stainless Steel Cable	250'/150 lb Stainless Steel Cable	250'/150 lb Stainless Steel Cable	100'/150 lb Stainless Steel Cable
Soft Stop	Yes	Yes	-	-	-	N/A
Positive Ion Control	Yes	Yes	Yes	Yes	Yes	N/A
Auto Up	Yes	Yes	Yes	Yes	Yes	N/A
Removable Side Plate	Yes	Yes	Yes	Yes	Yes	N/A
Retrieval Speed	250' Per Minute	250' Per Minute	250' Per Minute	250' Per Minute	250' Per Minute	1.5:1
Dual Axis Adjustable Rod Holders	1	2	1	1	1	Single Axis Adjustable (1)
Mounting Base	Universal Mounting Base, Low Profile Swivel Base	Universal Mounting Base, Low Profile Swivel Base	360° Swivel Universal Base	360° Swivel Universal Base	Universal Base	Universal Base
Spool	Stainless Steel	Stainless Steel	Stainless Steel	Composite	Composite	Composite
Boom	Stainless Steel Telescoping (24" to 53")	Stainless Steel Telescoping (24" to 53")	Stainless Steel Telescoping (24" to 53")	Heavy-Duty Telescoping (24" to 53")	Heavy-Duty Fixed (24")	24" Stainless Steel
Depth Counter	Digital	Digital	Three Digit	Three Digit	Three Digit	Three Digit
Weight Capacity	20 lb	20 lb	20 lb	20 lb	20 lb	12 lb
Includes Line Release	Yes (1)	Yes (1)	Yes (1)	Yes (1)	Yes (1)	Yes (1)
Integrated Ball Storage Hook	Yes	Yes	Yes	Yes	Yes	-
One-Hand Clutch Deploy	N/A	N/A	N/A	N/A	N/A	Yes
Ergonomic Crank Handle	N/A	N/A	N/A	N/A	N/A	Yes
Enclosed Boom End	Yes	Yes	Yes	Yes	Yes	Yes

***Requires Transducer Accessory*

OPTIMUM

Features:

- Boom Length: 24" - 53" Telescopic
- Wireless connectivity
- Ultra-fast retrieval rate of 250-feet-per-minute
- Short-Stop: Automatically retrieves the weight at the push of a button
- Rod Holders: **(2) Dual axis adjustable**
- Includes low-profile swivel base
- Boom/Spool Material: Stainless steel
- Adjustable speeds
- Control Method: Keypad
- Digital depth counter
- Positive Ion Control
- Full colour LCD screen
- 20-lb weight capacity
- Includes line release and 400' of 150-lb test stainless steel cable
- Corrosion-resistant construction

ORDER NO. 719-02335 Mfr. No. 1902335

TOURNAMENT SERIES

OPTIMUM TS

Features:

- Boom Length: 24" - 53" Telescopic
- Wireless connectivity
- Ultra-fast retrieval rate of 250-feet-per-minute
- Short-Stop: Automatically retrieves the weight at the push of a button
- Rod Holders: **(1) Dual axis adjustable**
- Includes low-profile swivel base
- Boom/Spool Material: Stainless steel
- Adjustable speeds
- Control Method: Keypad
- Digital depth counter
- Positive Ion Control
- Full colour LCD screen
- 20-lb weight capacity
- Includes line release and 400' of 150-lb test stainless steel cable
- Corrosion-resistant construction

ORDER NO. 719-02340 Mfr. No. 1902340

For more information see:
www.cannondownriggers.com

CANNON EDGE DESIGN
Features fewer moving parts, one-piece construction, corrosion-resistant design and protected electronics to create an unstoppable fishing machine.

MAGNUM 10

Highlights:
- Fast Retrieval Rate
- Full Keypad Control
- Cannonlink™ Compatible
- Positive Ion Control

Features:
- Ultra-fast retrieval rate of 250-feet-per-minute
- Short-Stop feature automatically retrieves the weight at the push of a button
- Includes dual axis adjustable rod holder
- Includes mounting base and low-profile swivel base
- IP68 waterproof power cord
- Easy spool access
- Three-digit depth counter
- Integrated ball storage hook
- 20-lb weight capacity
- Includes line release and 250' of 150-lb test stainless steel cable
- Corrosion-resistant construction

ORDER NO. 719-02305 Mfr. No. 1902305

MAGNUM 10 TS (Tournament Series)

Same features as **Magnum 10** with a stainless steel spool (and boom) to handle monofilament and super lines.

ORDER NO. 719-02310
Mfr. No. 1902310

719-02310

MAGNUM 5

The Workhorse – Dependable, Durable and Built To Get the Job Done

Highlights:
- Fast Retrieval Rate
- Short Stop
- Positive Ion Control

Features:
- Dual axis adjustable rod holder
- 24" heavy-duty stainless steel boom
- Standard mounting base
- IP68 waterproof power cord
- Easy spool access
- Three-digit depth counter
- Integrated ball storage hook
- 20-lb weight capacity
- Includes line release and 250' of 150-lb test stainless steel cable
- Corrosion-resistant construction

ORDER NO. 719-02300 Mfr. No. 1902300

719-02300

ACCESSORIES

BATTERY END CABLE

Compatible with all Cannon electric downriggers manufacturered 2008 or later.
Convenient plug system makes removal & installation of electric downriggers fast & simple
- Tethered end cap prevents corrosion
- Watertight connection to 12 volt power source
- 3 feet in length, end to end
- Wire Gauge: 14 AWG
- Rated for 30 amps

NEW!

ORDER NO. 719-03017 Mfr. No. 1903017

MANUAL DOWNRIGGER

MORE CONTROL AT EVERY TURN.

Take command of controlled depth fishing when you equip your boat with the Easi-Troll™ manual downrigger. Perfect for smaller boats, each model allows for quick line retrieval and controlled, one-handed weight descent.

EASI-TROLL™ ST

FEATURES:

- Fast, effortless 1.5:1 retrieval rate
- One-Hand Clutch Deploy for simple, precise bait positioning
- Easy-Access Universal Mounting Base – same as the electric models
- Single axis rod holder – fully adjustable front to back
- Includes line release
- Enclosed boom end pulley prevents line jumping
- Ergonomic crank handle
- 24" stainless steel boom
- Three- digit depth counter
- Pre-spooled with 150' of 150 lb. test stainless steel cable
- Limited lifetime warranty

ORDER NO. 719-01020
Mfr. No. 1901020

MANUAL DOWNRIGGER SPECIFICATIONS

MODEL	RETRIEVAL RATE (FPT)	WEIGHT CAPACITY (LB)	CLUTCH /BRAKE SYSTEM	SPOOL	BOOM	CABLE (FEET)	ROD HOLDER	SWIVEL BASE
EASI-TROLL™ ST	1.5	12	YES	Plastic	24" Stainless Steel	150	Single Axis	NO

FPT = FEET PER TURN

For more information see:
www.cannondownriggers.com

CANNON® ACCESSORIES

Everything You Need To Optimize Your Downrigger's Performance.

ROD HOLDER

Three-position configuration delivers fast baitcast or spinning rod pickup. Spring-loaded tension knob allows for quick rod adjustment. Its 360° base can be top or side mounted.

ORDER NO. 724-50169-1
Mfr. No. 2450169-1

ROD HOLDER ACCESSORIES - Adapt this rod holder to fit the way you fish.

6" Extension Posts (Pair)
ORDER NO. 719-07040
Mfr. No. 1907040

Flush Mount Adapter
ORDER NO. 719-07030
Mfr. No. 1907030

Rail Mount Adapter
ORDER NO. 719-07050
Mfr. No. 1907050

Top/Side Mount Adapter
ORDER NO. 719-07060
Mfr. No. 1907060

SINGLE ROD HOLDER

Single downrigger-mounted rod holder features dual axis adjustability. Fits all 2011 Cannon® electric downriggers.

ORDER NO. 719-07070
Mfr. No. 1907070

CANNON COVER™

Protects your downrigger with a professional-grade cover. Guards against the elements with a secure Velcro® fit and non-abrasive backing. Available in Black or White.

ORDER NO.	Mfr. No.	Colour
719-03030	1903030	Black
719-03031	1903031	White

RETRO-EASE™ WEIGHT RETRIEVER

Brings the weight right to you so you can avoid leaning out or swinging the boom in to re-rig. Fits all downriggers with booms up to 8'.

ORDER NO. 722-50122
Mfr. No. 2250122

TAB LOCK BASE

Allows for easy removal and replacement of Lake-Troll, Sport-Troll™, Legacy Easi-Troll, and Mini-Mag™ downriggers. Built with heavy-duty Lexan® for corrosion and UV resistance.

ORDER NO. 722-07001
Mfr. No. 2207001

UNI-LINE RELEASE

Two adjustment points allow tension settings from 2 to 22 lbs. Perfect for slow trolling with live baits or going after light-hitting walleyes. Easy one-hand tension release for use on any test line in saltwater or freshwater.

ORDER NO. 722-50009
Mfr. No. 2250009

CANNON LOCK

Locks large-bodied downriggers securely to the boat with a pintumbler lock. Fits Digi-Troll 10, Digi-Troll 5, Mag 5 ST and Mag 10 STX models.

ORDER NO. 719-03020
Mfr. No.1903020

TERMINATOR KIT™

Includes six each of the superior Cushion Cartridges, Cannon® Terminators and Snap Swivels.

ORDER NO. 722-50002
Mfr. No. 2250002

LOW-PROFILE SWIVEL BASE

With 16 locking points, this base allows for 360° downrigger rotation with locking positions every 22.5°. Lexan® components and stainless steel construction make the standard model as strong as it is versatile. Also available in a 316-grade stainless steel model for added strength and corrosion resistance.

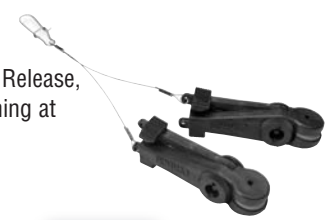
ORDER NO.	Mfr. No.	Description
722-07003	2207003	Standard
719-03002	1903002	Stainless Steel

722-07003

UNI-STACKER RELEASE

All the characteristics of the Uni-Line Release, with an extra stacker clip to allow fishing at multiple depths off a single weight.

ORDER NO. 722-50105
Mfr. No. 2250105



For more information see: www.cannondownriggers.com

CANNON® ROD HOLDERS & TRACK SYSTEMS

Our revolutionary rod holder track systems are built to fit the way you fish.
The innovative pistol grip holders feature a ratcheting system for easy removal and angle adjustment.
The entire system of interchangable, high-strength aluminum components lets you spend less time rigging and more time reeling.

DUAL AXIS ADJUSTABLE ROD HOLDER

Experience 360˚ of rotation at the push of a button with this 10" holder.
It features six up and down locking positions, a pistol grip release for quick, one handed angle changes and a ratcheting adjustment system that allows you to quickly position the holder vertically. Includes a UV-resistant end cap to protect the rod and reel.

- Position rods vertically or easily remove them, thanks to the innovative ratcheting adjustment system on our rod holders

ORDER NO. 719-07002
Mfr. No. 1907002

SINGLE AXIS ADJUSTABLE ROD HOLDERS

This 10" holder utilizes six up & down locking positions, and delivers 90˚ of side to side rotation. Our Track system workhorse, it features a pistol grip release for quick angle adjustments and a ratcheting vertical positioning system. Includes a UV-resistant end cap to protect the rod and reel. The Rail mount version fits round or square rails from 3/4" to 1-1/4", perfect for boats with rails. The clamp mount version features a mount that opens to 2-1/2".

ORDER NO.	Mfr. No.	Description
719-07001	1907001	Single Axis Holder

DUAL AXIS ADJUSTABLE ROD HOLDERS – DOWNRIGGER MOUNT

Mount our dual axis rod holders between the mounting base and swivel base of your Cannon downrigger for unparalleled rod positioning. A pistol grip release allows for quick, one-handed angle changes, and the innovative ratcheting adjustment system allows you to easily pull the holder to a vertical position. Full 360° rotation makes it the ultimate fishing accessory.

ORDER NO. 719-07024
Mfr. No. 1907024

ALUMINUM MOUNTING TRACK

This track uses locking grooves to prevent accessories from twisting, and allows for components to easily be removed or replaced. Includes mounting hardware.

ORDER NO.	Mfr. No.	Size
719-04025	1904025	6"
719-04026	1904026	12"
719-04027	1904027	18"
719-04028	1904028	24"
719-04029	1904029	36"

ALUMINUM FIXED BASE DOWNRIGGER PEDESTAL MOUNT

For surface or track mounting. The top plate is pre-drilled and tapped to allow mounting of a Cannon swivel base and downrigger (and other downrigger brands).

ORDER NO. 719-04030 NEW!
Mfr. No. 1904030
Size: 4"

ORDER NO. 719-04031
Mfr. No. 1904031
Size: 6"

ALUMINUM SWIVEL BASE DOWNRIGGER PEDESTAL MOUNT

For surface or track mounting, this smooth-action swivel base rotates 360˚, with 16 locking points spaced every 22.5˚. The top plate is pre-drilled and tapped for mounting Cannon downriggers (and other downrigger brands).

ORDER NO. 719-04032 NEW!
Mfr. No. 1904032
Size: 4"

ORDER NO. 719-04033
Mfr. No. 1904033
Size: 6"

For more information see: www.cannondownriggers.com

ELECTRIC DOWNRIGGERS

Scotty Depthpower Electric Downriggers have reached the highest performance and reliability standards ever, while remaining competitively priced. Thousands of fishermen now enjoy the superior speed, power and years of reliability that only Scotty offers. From custom designed marine motors to the final quality control tests, Scotty performance is unmatched in the industry.

TILT-UP-FEATURE
All Scotty Electric Downriggers include the 1023 Tilt-Up Mounting Bracket, which enables the unit to be tilted and locked in the upright position.

NO. 1106 DEPTHPOWER 36"-60"

The most popular Scotty Electric, with a boom that telescopes for extra reach and collapses for extra storage. Makes a great "big boat" rigger.

- 60" long, 1-1/4" diameter telescoping stainless steel boom (collapses to 36" for storage)
- Boom mounted No.350 Rodmaster II rod holder
- 1 Power Grip Plus Line Release
- 1026 Pedestal Swivel Mount

ORDER NO. 382-11060

NO. 1101 DEPTHPOWER 30"

Designed for heavy duty use, this unit will handle long hours and heavy weights in tough conditions.

- 30" long, 1-1/4" diameter stainless steel boom
- Boom mounted No. 350 Rodmaster II rod holder
- 1 Power Grip Plus Line Release
- 1026 Pedestal Swivel Mount

ORDER NO. 382-11010

NO. 1106-B DEPTHPOWER 36"-60"

The most popular Scotty Electric, with a boom that telescopes for extra reach and collapses for extra storage. Makes a great "big boat" rigger.

- 36" - 60" Telescopic stainless steel boom
- Boom Diameter: 1-1/4"
- Rod Holder Interior Diameter: 1.85"
- Fully adjustable decent speed, lifts 7 lb. weights at 235 ft./min. and 15 lb. weights at 203 ft./min.
- Spray protected positive-drive depth counter and Kevlar drive belt by Optibelt™
- 300 ft. of 200 lb. test, low drag microfilament premium power braid downrigger line (No. 2701)
- Boom mounted adjustable 358 Rodmaster II Rod Holder
- Includes Scotty/Marinco™ Plug and Receptacle
- The lowest amperage draw of any downrigger made with less than 1/3 the battery draw than some of the competition
- Marine grade stainless steel boom
- Multi-position auto-stop included (Use 1008 Stopper Beads to stop at any pre-set position)
- Includes Power Grip Plus Line Release
- Includes 1023 Tilt-up Mounting Bracket which enables the unit to be tilted and locked in the upright position
- Includes 1026 Swivel Pedestal Mount with 16 available positions
- Fully assembled and factory tested with complete saltwater protection

ORDER NO. 382-11061

For more information see: www.scotty.com

NO. 1116 PROPACK 36"-60"

The top choice of charter captains.This unit gives the versatility of a telescoping boom with the dual rod holder option & pedestal swivel base.

- 60" long, 1-1/4" diameter telescoping stainless steel boom (collapses to 36" for storage)
- No. 247 Dual Rod Holder
- No. 1026 Pedestal Swivel Mount
- 2 Power Grip Plus Line Releases
- Weight storage hook

ORDER NO. 382-11160

WEIGHT	7 lb.	10 lb.	15 lb.	20 lb.
Retrieval Speed	235 ft/min	222 ft/min	203 ft/min	185 ft/min
Amperage Draw	4 amps	5 amps	8 amps	11 amps

HIGH PERFORMANCE ELECTRIC DOWNRIGGERS

Scotty Electric Downriggers have reached the highest performance and reliability standards ever. These all new designs feature illuminated digital counters, unbeatable pulling power, adjustable Rocket Launcher rod holders, and a clutch brake with the largest braking surface in the industry allowing for ultra fast speeds. All models are spooled with Scotty HP Downrigger wire, made from tough stainless steel. These Scotty models are truly unmatched in the industry.

Includes:
- Illuminated, resettable, sealed and silent digital line counter
- 300 ft. of 180 lb. Test, 316 stainless steel downrigger wire
- 1/2" Kevlar drive belt by Optibelt™
- The same belts used by superior European auto manufacturers
- Clutch brake with the largest braking surface in the industry
- Swivel Pedestal Mount

FASTEST RETRIEVAL RATES IN THE WORLD				
Weight	20 lb	15 lb	12 lb	10 lb
Retrieval Speed	260 ft /min	295 ft /min	304 ft /min	312 ft /min

382-21060

382-21160

No. 2106
Comes with 36" - 60" telescoping 1-1/4" dia. stainless steel boom and mounted adjustable Rocket Launcher Rod Holder.
ORDER NO. 382-21060 Mfr. No. 2106

No. 2116
Comes with 36" - 60" telescoping 1-1/4" dia. stainless steel boom and Dual Rocket Launcher Rod Holder.
ORDER NO. 382-21160 Mfr. No. 2116

LAKETROLLER DOWNRIGGERS

Laketroller Downriggers built for the smaller boat. Great for aluminum boats, Kayaks and Canoes. Recommended for use with weights under 4 lb.

Standard Features:
- Easy adjust drag brake
- Stainless steel and nylon construction.
- 100 ft. of premium 150 lb stainless steel downrigger cable
- Rugged, re-enforced nylon clamp mount
- Scotty Mini Power Grip Plus line release included (No. 1181)

382-10730

382-10710

NO. 1071
LAKETROLLER WITH PORTABLE CLAMP MOUNT
Comes with No. 449 Portable Clamp Mount for mounting on the gunnel or transom (2" opening). This mount is made from super tough, reinforced engineering grade nylon. One foot per turn spool operates easily with either hand from a sitting position.
ORDER NO. 382-10710 Mfr. No. 1071DP

NO. 1073
LAKETROLLER - POST MOUNT
This Laketroller comes with a No. 241 Combination Side/Deck Mount, allowing you to mount onto a flat deck surface, side of a gunnel or transom. The mounting design gives 360 degree rotation.
Mount Dimensions: 4" x 2" x 2"
Bolting dimension: 1-5/16" x 3-3/16"
ORDER NO. 382-10730 Mfr. No. 1073DP

For more information see: www.scotty.com

MANUAL DOWNRIGGERS

Scotty Manual Downriggers have been the preferred choice of fishermen for over thirty-five years. They are engineered with a number of "exclusive" features contained in no other downrigger.

TILT-UP FEATURE

All Scotty Scotty Strongarm & Longarm downriggers inlude the **No.1023** tilt-up mounting bracket which enbles the unit to be tilted and locked in the upright position.

382-10850

382-10910

382-10500

382-10600

NO. 1085 STRONGARM 30"

The heavy duty workhorse of the Scotty manual lineup. Excellent for the intermediate size boat.

- 30" long, 1-1/4" diameter stainless steel boom
- Boom mounted No. 358 Rodmaster II rod holder
- 1 Power Grip Plus Line Release

ORDER NO. 382-10850 Mfr. No. 1085

NO. 1091 LONGARM 60" TELESCOPING BOOM

Makes an ideal "big boat" rigger with all the deluxe features.

- 60" long, 1-1/4" diameter telescoping stainless steel boom (collapses to 36" for storage)
- Boom mounted No.358 Rodmaster II rod holder
- 1 Power Grip Plus Line Release

ORDER NO. 382-10910 Mfr. No. 1091

NO. 1050 DEPTHMASTER

The all time Scotty leader in performance and sales. One foot per turn spool operates easily with either hand from a sitting position in the boat.

Standard Features

- 23" long, 3/4" diameter stainless steel boom
- Adjustable boom-mounted Rod Master II rod holder
- Spray protected, positive drive depth counter
- Scotty No.1170 Power Grip Plus line release
- Quick-slide No. 1010 deck mounting bracket
- An automatic brake with the most disk brake surface on the market. In the event of a bottom hang-up, it will pay-out to avoid losing gear
- A high speed one foot per turn spool coupled with the extra leverage extension handles makes cranking a breeze
- 200 ft. of premium 150 lb. stainless steel downrigger cable

ORDER NO. 382-10500 Mfr. No. 1050

NO. 1060 DEPTHKING

Includes a high speed two feet per turn spool. The spool also comes equipped with a slide crank for extra leverage with heavy weights. Ideal for the small boat that fishes deep and needs a high speed retrieve.

Standard Features

- 23" long, 3/4" diameter stainless steel boom
- Adjustable boom-mounted Rod Master II rod holder
- Spray protected, positive drive depth counter
- Scotty No.1170 Power Grip Plus line release
- Quick-slide No. 1010 deck mounting bracket
- An automatic brake with the most disk brake surface on the market. In the event of a bottom hang-up, it will pay-out to avoid losing gear
- A high speed two feet per turn spool coupled with the extra leverage extension handles makes cranking a breeze
- 200 ft. of premium 150 lb. stainless steel downrigger cable

ORDER NO. 382-10600 Mfr. No. 1060

DOWNRIGGER MOUNTING SYSTEMS

One of the most challenging jobs for a downrigger fisherman is mounting a downrigger to his boat. Scotty has always been the industry leader in innovative and easy to install mounting accessories which make it simple to install your downrigger.

No. 1026 PEDESTAL SWIVEL MOUNT

Gives full 360˚ rotation with 16 locking positions, quick fastening stainless steel mounting knobs for easy set-up and removal. Fits all Scotty downriggers.
Dimensions: 5-1/2" x 5-1/2" x 4"
Bolting Dimensions: 4-1/2" x 3-1/2"
ORDER NO. 382-10260

No. 1021 COMPACT DOWNRIGGER MOUNT ONLY

Portable mounting option that's great for aluminum boats. Double stainless steel bolts and black anodized aluminum. 2" clamp opening. Includes stainless steel bolts to fasten mounting bracket.
Dimensions: 5-5/8" x 4-3/4" x 3-1/8"
ORDER NO. 382-10210

No. 1036 MOUNTING PLATE ONLY

Dimensions: 5-1/2" x 5-1/2"
Bolting dimensions: 4-1/2" x 3-1/2"
ORDER NO. 382-10360

No. 1027 RAIL MOUNT

Fits up to 1-1/2" round rail, including oval shaped wooden rails. Easily installed and removed for storage, wooden board (not included) transfers the downward pressure to the boat gunnel. Fits all Scotty downriggers and can be used with No. 1026 Pedestal Swivel Mount.
Dimensions: 6-1/8" x 7-1/8"

ORDER NO. 382-10270

No. 1028 GIMBAL MOUNT - 9"

Fits into a boat's flush mount rod holder. Eliminates drilling holes and permanent mounting of downrigger brackets on boat. Made from welded stainless steel and modified nylon for the ultimate in strength and durability. For use with metal flush mount rod holders. Fits all Scotty downriggers and can be used with No. 1026 Pedestal Swivel Mount.

ORDER NO.	Mfr. No.	Dimensions:
382-10280	1028	6-1/8" x 7-1/8" x 9" x 1-1/2"

No. 1025 RIGHT ANGLE SIDE GUNNEL MOUNT

For boats with narrow or uneven gunnels. Strong and durable, with quick fastening stainless steel mounting knobs for easy setup and removal.
Fits all Scotty downriggers and can be used with No. 1026 Pedestal Swivel Mount

Dimensions : 6" x 6" x 6"
Bolting dimensions: 4" x 2"
ORDER NO. 382-10250

382-26060

382-26120

PEDESTAL RISERS

Made from fibre reinforced nylon and stainless steel 2" tubing for the ultimate in strength. Designed to be used with all of Scotty downrigger mounts.
Plate Dimensions: 5-1/2" x 5-1/2"
Bolting Dimensions: 4-1/2" x 3-1/2"

ORDER NO.	Mfr. No.	Description
382-26060	2606	6" Downrigger Pedestal Riser
382-26120	2612	12" Downrigger Pedestal Riser

No. 2027 STANCHION MOUNT

The Scotty® Stanchion Mount enables you to quickly mount a downrigger to your boats' railing stanchion for extra strength and stability.

- Complete with stainless steel mounting knobs for easy mounting and ultimate portability
- The 2027 also accepts the Scotty® (1026) Order No. 382-10260 swivel mount directly onto the top plate
- No need to drill holes to permanently mount fixtures
- Compatible with all Scotty® downriggers (except Laketrollers)
- Made with super strong engineering grade fiber-reinforced nylon
- Fits rails up to 2" in diameter

ORDER NO. 382-20270

For more information see: www.scotty.com

Downrigger Electrical Accessories

No. 1133 PREMIUM 12 GAUGE 2 CONDUCTOR DOWNRIGGER POWER WIRE

- For wire run lengths of up to 25 feet, use minimum 12 Gauge Wire. For runs of 25 - 40 feet use, 10 Gauge Wire.
- Manufactured from HEAVY DUTY annealed, tinned copper, providing maximum current flow.
- Ultra-flexible for extra protection from vibration or frequent flexing.
- CSA and UL approved, RoHA compliant.
- Recommend use with #1124 - 30 amp inline fuse

ORDER NO. 382-01133

"Scotty Downrigger" Power Wire is specially designed to exceed recommendations for cold bend flexibility, moisture, salt & oil resistance, heat shock, flammability and resistance to moisture capillary action.

Recommended use with # 1124-30 amp inline fuse

Downrigger Line Releases

Power Grip Plus

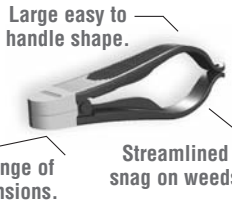
POWERGRIP PLUS LINE RELEASES

The line release is the critical link between the downrigger and the fishing rod. If it does not perform properly you will lose both valuable fishing time and fish. The fishing line is gripped between the soft pads with variable release tension attained by moving the line in or out of the jaws. The line release is attached to either the weight or the cable. Full range of release tensions, plus an adjustment clip that provides double the holding power if needed. 4-1/4" in length

382-11910

382-11710

ORDER NO.	Mfr. No.	Description
382-11700	1170	18" Monofilament leader with Cannonball Snap
382-11710	1171	18" Monofilament leader with Self Location Snap
382-11720	1172	30" Monofilament leader with Self Location Snap
382-11730	1173	48" Monofilament leader with Self Location Snap
382-11780	1178	60" Monofilament leader with Self Location Snap
382-11910	1191	48"- Stacker with monofilament leader & Cannonball Snap



MINI POWER GRIP PLUS LINE RELEASE

Compact version of the Power Grip Plus

- Planer Board - 4 Pack
- 2-1/4" in length

NEW!

ORDER NO.	Mfr. No.	Description
382-11820	1182	Mini Power Grip Plus, 4 Pk
382-11821	1182-BUCKET	Mini Power Grip Plus, 100 Pc

For more information see: www.scotty.com

HAIRTRIGGER RELEASE CLIP & PINS

A fully adjustable tension release clip. With a simple turn of the yellow nut you can increase or decrease the amount of desired release tension. One of the only release clips on the market that works exceptionally well with braided fishing line.

382-20200

KINGPIN
Adjustable Hairtrigger Release Clips

ORDER NO.	Mfr. No.	Description
382-20200	2020	18" heavy duty leader with cannonball snap
382-10220	1022	3 extra pins for all Kingpin adjustable hairtrigger release clips

NO. 3015 ELECTRIC DOWNRIGGER COVER

Durable Cordura™ cover protects downrigger from the elements.

ORDER NO. 382-30150

No. 423 DOWNRIGGER ROD HOLDER ADAPTER

Turn your downrigger mount into a rod holder mount.

In combination with a 241 or 241L mount (See page 682), easily place the adapter on top of your 1023 Tilt-up mounting bracket, and select your favorite rod holder and you're ready to go. Built to last with rugged engineering grade nylon.

ORDER NO. 382-04230

No. 1004 CONNECTOR SLEEVES

10 black brass sleeves for joining wire line or for locating line releases.
ORDER NO. 382-10040

No. 1008 STOPPER BEADS FOR STAINLESS STEEL LINES

6 nylon stoppers for the auto stop and for locating line releases. (3 each black and yellow).
ORDER NO. 382-10080

No. 2008 AUTO-STOP BEADS FOR BRAIDED LINE

6 beads for use with braided line for "Depthpower" electric downriggers.
ORDER NO. 382-02008
24 beads for use with braided line for "Depthpower" electric downriggers.
ORDER NO. 382-02008-24

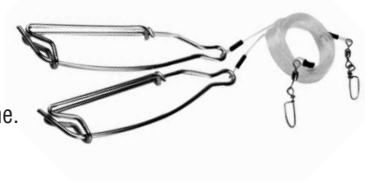
No. 374 SURE STOP DOWNRIGGER STOPPER KIT

Complete with over 8 ft. of custom 240 lb. test black nylon seine twine, a 100% stainless steel crane swivel with a load rating of 411 lbs. and a heavy duty coast lock terminal end. The gunmetal black crane swivel found in the 374 is three times stronger than brass swivel.
ORDER NO. 382-00374

No. 373 DIVER SNUBBER

This mini diver snubber is excellent for fishing with all types of divers. It is manufactured from tough U.V. resistant polyurethane. Extremely effective at preventing lines from twisting as it has a ball-bearing swivel at one end and a barrel swivel at the other.
ORDER NO. 382-00373

No. 1161 DUMMY FLASHER



Quickly attach extra flashers or dodgers to your downrigger line. 2 per pack.
ORDER NO. 382-11610

No. 1153 TERMINAL KIT

1 Coastlock snap with swivel (No.1150), 3 sleeves, 1 soft stop bumper and 1 stainless steel thimble.
ORDER NO. 382-11530

No. 425 HAMMER HEAD ROD BUTT CUSHION

More comfortable and easier to use than most fighting belts.
Universal rod butt tube allows simple rod to rod transfer.
ORDER NO. 382-04250

No. 3025 DOWNRIGGER WEIGHT RETRIEVER

Great helper and safety precaution for the downrigger fisherman. Brings weights in for rigging lines and releases without having to lean out over a gunnel.
ORDER NO. 382-30250

For more information see: www.scotty.com

No. 370 & 371 TROLLING SNUBBER

Attach between your downrigger cable and weight. The Scotty Trolling Snubber absorbs shock, provides electrical insulation and helps prevent snagging.
Easy to grip. Allows quick connection to your downrigger cannon ball.

ORDER NO.	Mfr. No.	Description
382-03700	370	Trolling Snubber with Sampo® ball bearing swivel and trolling snap (Weight not included)
382-03710	371	Trolling Snubber with trolling snap only

DOWNRIGGER WEIGHT

Balanced with a longer fin for precision tracking. Thick coated in black. Reflective labels. 10 Lb.
ORDER NO. 937-02101 Mfr. No. 210B

For more information see: www.greenfieldproducts.com

No. 2500 LINER PULLER - The Scotty® line puller is the ultimate crab & prawn trap pulling machine.

- Compact size makes for easy stowing
- Attaches directly to your existing Scotty® downrigger mount
- 19 amp draw @ 50 lbs.
- High torque 12V motor
- Accomodates 1/4" - 3/8" line
- 120 fpm retrieval speed
- 100 lb. capacity
- Heavy duty stainless steel and composite construction
- Easy access on/off switch
- Pulls 1 crab trap or up to 4 prawn traps*
- Backed by a 2 year warranty
- Scotty®/Marinco™ plug, receptacle & mount included
- Power cord: 40" Length
- Swivel base not included
- Recreational use only

ORDER NO. 382-02500 Mfr. No. 2500

In use

No. 3134 LOCKING PLATE SET

Works in conjuction with your existing mounting knobs and padlocks of your choice. Works with all Scotty tilt-up electric and manual downriggers. Manufactured using rugged fiber reinforced engineering grade nylon molded over a robust stainless steel plate.

** This system provides a degree of protection for your Scotty downrigger and swivel mount. It is not designed to, and will not stop a determined and equipped thief.

ORDER NO. 382-31340

Note: Padlocks not included

SURE STOP PRO

The sure stop turns off your electric Downriggers auto stop at the same spot every time. The tuna cord provides a secure hold for your self-locating snap and is easier on your hands when pulling your gear to the boat. The Scotty Snubber absorbs shock, provides electrical insulation and helps prevent snags (model's 377 & 378). Tubing has been added to provide protection against abrasion in high wear areas.

ORDER NO.	Mfr. No.	Description
382-03750	0375	Sure Stop Pro, for 30" Downrigger Boom
382-03760	0376	Sure Stop Pro, for 60" Downrigger Boom
382-03770	0377	Sure Stop Pro, for 30" Downrigger Boom with Snubber
382-03780	0378	Sure Stop Pro, for 60" Downrigger Boom with Snubber

382-03750

382-03760

382-03770

382-03780

Patented Marinco® ConnectPro® Plug and Receptacle have weather resistant connections.
Unique locking blades and spring clamping connection for secure electrical contact.
Large contact surface area for maximum conductivity. Corrosion-resistant, plated brass electrical components.
Marinco's exclusive Perma-Lock™ terminals, which virtually never need retightening

2126 12V Downrigger Receptacle	**ORDER NO. 382-21260**
2127 12V Downrigger Plug	**ORDER NO. 382-21270**
2125 12V Downrigger Plug and Receptacle	**ORDER NO. 382-21250**

PLUG AND RECEPTACLE FOR OLDER MODELS*

No. 1125 HELLA ELECTRIC PLUG AND SOCKET

Electric plug and socket for DepthPower electric downriggers prior to Fall 2006. For 12 volt max. 18 amp applications. **ORDER NO. 382-11250**

No. 1126 HELLA ELECTRIC SOCKET ONLY

ORDER NO. 382-11260

No. 1127 HELLA ELECTRIC PLUG ONLY

ORDER NO. 382-11270

***Scotty Downriggers now come standard with Marinco® ConnectPro® plug and receptacle.**

For more information see: www.scotty.com

ROD HOLDERS

Scotty is recognized as one of the world's leading manufacturers of rod holders. With innovative designs and many versatile mounting options, we're sure you'll find the exact combination you're looking for.

RODMASTER II

Fibre reinforced engineering nylon offers strength, resilience and reliability.
Removable gimbal pin and front opening slot accommodates any rod and reel combination.
10" tube. Includes No. 241 combination deck or side mount.
Bolting dimensions: 1-5/16" x 3-3/16"

ORDER NO.	Mfr. No.	Description
382-03500	0350-BK	Rod Holder with No.241 combination deck or side mount
382-03490	0349-BK	Rod Holder with no mount

DOWNRIGGER BOOM ROD HOLDER

382-03580	0358-BK	Boom Rod Holder fits 1-1/4" Scotty downrigger booms Clamp-on style
382-03550	0355-BK	Boom Rod Holder fits 3/4" and 1" Scotty downrigger booms Bolt through the boom

NO. 349 RODMASTER II ROD HOLDER – NO MOUNT

Fibre reinforced engineering nylon offers strength, resilience and reliability. Removable gimbal pin & front opening slot accommodates any rod and reel combination. 10" tube. Includes No. 241 combination deck or side mount.
Rodmaster II Interior Diameter: 1.85"
ORDER NO. 382-03490 Mfr. No. 0349-BK

BAIT CASTER/SPINNING ROD HOLDER

Holds a bait caster reel in a cushioned cradle.
A slot in the front of the rod holder allows for a spinning reel to be securely held in position. The rod holder design has a side mounted flange, which leaves the bottom open. This allows for the rod holder to accommodate trigger grips. Pistol grip rod butts easily clear the sides of the rod holder for quick rod retrieval. Rod can be secured in holder with a soft latching strap which snaps over the top.

ORDER NO.	Mfr. No.	Description
382-02790	0279-BK	B/C Rod Holder no Mount
382-02800	0280-BK	B/C Rod Holder with No. 241 combination deck or side mount – Black
382-02810	0281-BK	B/C Rod Holder with No. 244 Flush Deck Mount
382-02820	0282-BK	B/C Rod Holder with No. 438 Gear-Head Track Adapter
382-03880	0388-BK	Rod Holder with No. 459 Adjustable Rod Holder Extender, and No. 312 Mounting Post.

TRIPLE ROD HOLDERS

Scotty's fully-adjustable multiple rod holder comes with a built-in lure and accessory rack, which gives you quick access to your lures and tools.
Includes No. 241 combination deck or side mount. Made from fibre reinforced engineering nylon.

NO. 256 Includes 3 No. 230 Power Lock rod holders, post bracket and 241 side deck mount.
ORDER NO. 382-02560

NO. 257 Includes post bracket and No. 241 side deck mount (rod holders not included).
ORDER NO. 382-00257

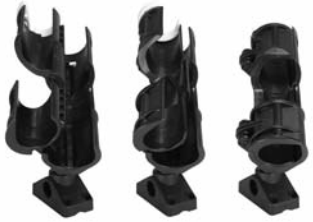
For more information see: www.scotty.com

ROD HOLDERS

Scotty is recognized as one of the world's leading manufacturers of rod holders. With innovative designs and many versatile mounting options, we're sure you'll find the exact combination you're looking for.

ORCA ROD HOLDER

- The fastest rod release of any holder on the market.
- Fibre reinforced engineering nylon, offers strength, resilience and reliability.
- Completely adjustable to multiple vertical and horizontal positions.
- With one quick motion, your fishing rod is lifted straight out into the fish fighting position.



NO. 400 ORCA ROD HOLDER WITH 241L

Locking push button combination side/deck mount

ORDER NO. 382-00400

NO. 401 ORCA ROD HOLDER WITH 244L

Locking lever flush mount

ORDER NO. 382-00401

NO. 405 OFFSHORE ORCA KIT

•1- Orca Rod Holder body
•1- 459 Adjustable Rod Holder extension
•1- 5/16" x 2 1/4" S.S. Star knob

The 405 is an optional boom mount for all Scotty downriggers. When adjusted properly, the 405 allows for closer inboard positioning of the Orca rod holder, creating faster and easier rod removal.

ORDER NO. 382-04050

POWER LOCK ROD HOLDERS

Scotty's most popular value-priced, positive locking, open style rod holder.
Fibre reinforced engineering nylon, offers strength, resilience and reliability.
Available in four colors – black, grey, white or sand.
Note: All post mount Scotty Rod holders are fully adjustable up and down and rotate 360˚
Bolting Dimensions: 1-5/16" x 3-3/16"

382-02300

ROD HOLDER WITH NO. 241 COMBINATION DECK OR SIDE MOUNT

ORDER NO.	Mfr. No.	Colour
382-02300	0230-BK	Black
382-02301	0230-WH	White
382-02302	0230-GR	Grey
382-02304	0230-BK-QUAD	Black – 4 Pack

382-02301

NO. 229 POWER LOCK ROD HOLDER - NO MOUNT

Scotty's most popular value-priced, positive-locking, open style rod holder.
Fibre reinforced engineering nylon offers strength, resilience and reliability.
Power Lock Interior Diameter: 1.95"

ORDER NO. 382-02290 Mfr. No. 0229-BK

382-02290

ROCKET LAUNCHER ROD HOLDERS

Fully Adjustable rod holder with over 9" of stainless steel jacketed composite construction, accommodating all rods. Attaches to any Scotty Downrigger Boom.

Main Features:

- Heavy Duty Stainless Steel
- Unique Side or Deck Mounting Bracket with new Lock Down Feature
- Tilts up and down, including upright for rod storage when travelling
- Less missed strike opportunities
- Swivels 360 degrees
- Locks closed for travelling

382-04700

No. 470 ROCKET LAUNCHER ROD HOLDER with Locking Side/Deck Mount

Includes 241L Locking "push button" Combination Side / Deck Mount. To use the new Scotty "lock-down" mount system, simply choose the best direction to fish from and insert the rod holder or accessory, pushing the post straight down into the mount.
Can be mounted on top or side of gunnel.
Mount Dimensions: 4" x 2" x 2"
Bolting Dimensions: 1-5/16" x 3-3/16
Rocket Launcher Interior Diameter: 1.70"
ORDER NO. 382-04700 Mfr. No. 470

382-04690

No. 469 ROCKET LAUNCHER ROD HOLDER with No Mount

Comes with no mount, enabling you to choose separately whichever mount suits your needs.
ORDER NO. 382-04690 Mfr. No. 469

For more information see: www.scotty.com

ROCKET LAUNCHER ROD HOLDERS

No. 447 DUAL ROD HOLDER KIT

Rod Holder gives you the ability to fish with two rods without mounting a secondary rod holder.

- Fully loaded dual rod holder system that features the popular Scotty® "Rocket Launcher" rod holders
- These rod holders are completely adjustable up and down as well as side to side
- Rocket Launchers also feature stainless steel jacketed composite construction for extra strength and durability
- Designed for use with swivel mount (1026) Order No. 382-10260

ORDER NO. 382-04470 Mfr. No. 447

Fully Adjustable Rod Holder

STRIKER ROD HOLDER

No. 239 STRIKER ROD HOLDER – NO MOUNT

Designed for Salmon, Muskie, Halibut, Sturgeon and other big game fish. Stainless steel reinforced post with an oversized opening with easy lock / unlock ring. The inner support rotates with the rod to instantly remove and "strike" simultaneously. All post mount Scotty Rod Holders are fully adjustable.

ORDER NO. 382-02390 Mfr. No. 239
(No Mount)

ORDER NO. 382-02400 Mfr. No. 0240
(Includes 241 Mount)

382-02390

382-02400

FLY ROD HOLDER

No. 260 FLY ROD HOLDER – NO MOUNT

Innovative compact design allows hands free trolling with a fly rod. Fully adjustable and includes a safety strap. Even works well with "short butt" fly rods.

ORDER NO. 382-02600 Mfr. No. 260

382-02600

R-5 ROD HOLDER

No. 290 W/ 241 MOUNT

- The R-5 Rod Holder has been designed to securely hold your Spincaster, Spinning, Bait Caster, Level Wind and Fly Rods with up to 15 lb. test line
- The ¼" stainless steel lock bar pivots open to allow a quick effortless release of your rod.
- Easy adjustable lock bar tension.
- 241 Side deck mount included
- Designed and built to withstand all conditions & backed by the Scotty name

ORDER NO. 382-02900 Mfr. No. 0290

ROD HOLDER MOUNTS

No. 241 COMBINATION SIDE OR DECK MOUNT

Can be mounted on top or side of gunnel.
For all Scotty post mount rod holders.
Dimensions: 4" x 2" x 2".
Bolting dimension: 1-5/16" x 3-3/16"
ORDER NO. 382-02410

No. 241L LOCKING COMBINATION Side or Deck Mount

Same as above with **locking** push button.
ORDER NO. 382-02410-1

No. 244 FLUSH DECK MOUNT with splash cover

For all Scotty post mount rod holders.
Dimensions: 4" x 2" x 2"
Bolting Dimensions: 1-5/16" x 3-3/16"
ORDER NO. 382-02440

No. 244L LOCKING FLUSH DECK Mount with splash cover

Same as above with **locking** lever.
Dimensions: 4" x 2" x 2"
Bolting Dimensions: 1-5/16" x 3-3/16"
ORDER NO. 382-02440-1

No. 344 ROUND FLUSH DECK MOUNT

Sealed base for watertight applications (such as kayak decks) includes splash cover.
For all Scotty post mount rod holders
Dimensions: 3-3/4" diameter
Bolting Dimensions: 2-3/16" x 2-3/16"
ORDER NO. 382-03440

No. 444 COMPACT ROUND THREADED FLUSH DECK MOUNT

Fits gunwales up to 2" thick. Secures with no exposed hardware using provided nylon nut. Comes with cap to seal the bottom.
ORDER NO. 382-04440

No. 248 OARLOCK MOUNT

Excellent for row boats. Use the oarlock socket on your small boat to mount a rod holder or lake troller.
Install or remove in seconds.
ORDER NO. 382-02480

No. 242 RAIL MOUNT ADAPTER

Fits 7/8" & 1" diameter round rail, and 1" square rail. For all Scotty post mount rod holders.
Works with
No. 241 Side/Deck mount.
Includes stainless steel fasteners.
ORDER NO. 382-02420

No. 243 1-1/4" SQUARE RAIL MOUNT

Provides versatile mounting without having to drill more holes in your boat. Perfect for boats with limited mounting surfaces. Stainless steel fasteners (included) hold this tough mount securely in place. Works with all Scotty post mount rod holders.
Fits 1-1/4" square rails.
ORDER NO. 382-02430

No.253 GIMBAL MOUNT

Allows the use of all Scotty post mounted rod holders with factory installed flush mounted rod holders.
Fits 9" x 1-1/2" flush mounts.
ORDER NO. 382-02530

No. 449 CLAMP MOUNT

Fully portable mounting option for all Scotty Rod Holders and post mounted accessories
Includes No. 241 Combination Side/Deck Mount
Made from super tough, reinforced engineering grade nylon
Includes all necessary fasteners
Maximum opening 2".
ORDER NO. 382-04490

No. 440-BK-4 - 440-BK-8 LOW-PROFILE TRACK

- Made from corrosion proof high strength composite material that will last a lifetime
- Easily install Low Profile Track on your kayak, canoe, or any other watercraft
- Slide the Scotty No. 438 Gear-Head Track Adapter into the track, click in your favourite Scotty Rod Holder or Accessory and start fishing. Gear-Head Track Adapter not included #382-04380

ORDER NO. 382-04404 1-3/4"W x 3/8"H x 7"L (4" usable)
ORDER NO. 382-04408 1-3/4"W x 3/8"H x 7"L (8" usable)

No. 438 GEAR-HEAD TRACK ADAPTER

Fits all Kayak Track Systems

- The Scotty® Gear-Head Track Adapter quickly slides into place and locks down your post mounted Scotty® rod holders and accessories
- Similar to the revolutionary Scotty® 428 gear head (Order No. 382-04280), this system allows you to quickly change rod holder positions with a simple "twist"
- You can use your favorite, fully adjustable Scotty® rod holder and adjust it to any vertical or horizontal position without having to drill permanent mounting holes
- Designed to fit all kayak track systems, this product is a must for serious kayak anglers

ORDER NO. 382-04380

No. 426 SCOTTY SIDE SLIDE TRACK ADAPTER

The Scotty® Side Slide Track Adapter is a quick, effective means of firmly locking down your post mounted Scotty rod holders and accessories when track is mounted on its side as opposed to being top mounted

ORDER NO. 382-04260

No. 428 GEAR HEAD MOUNT

Quick and Easy, Drop and Lock System.
Allows you to secure and re-position your rod holder with just a twist.

ORDER NO. 382-04280

No. 429 GEAR HEAD MOUNT EXTENDER

Comes with No. 428 Gear Head Mount, No. 459 Adjustable Rod Holder Extender, and No. 312 Mounting Post.

ORDER NO. 382-04290

No. 340 TRACK ADAPTER

Let's you use all Scotty rod holders with 3-1/2" wide track systems.
Made with glass filled nylon. Fits Bert's, Trax Tech, etc.
Stainless steel fasteners included.

ORDER NO. 382-03400

No. 340

No. 343 LOCKING GUNNEL TRACK MOUNT

NEW!

Built for boats with integrated gunnel tracks, the 343 securely attaches to your vessel without the need to drill holes, or carry tools. This simple, intuitive design allows you to quickly add, remove, or re-position the mount anywhere on the boat, from bow to stern. A dependable lock to keep gear solidly in place, and a push-button release makes changes and removal fast & easy. Compatible with all post mount Scotty accessories.

ORDER NO. 382-03430

No. 453 GIMBAL MOUNT ADAPTER W/GEAR-HEAD

Quick and easy drop and lock system transforms the existing gimbal mount on your watercraft into a fully adjustable mounting point for post mounted Scotty® rod holders and accessories.

- Complete with the revolutionary Scotty® 428 gear head (Order No. 382-04280), this system allows you to quickly change rod holder positions with a simple "twist"
- Use your favorite, fully adjustable Scotty® rod holder and adjust it to any vertical or horizontal position without having to drill permanent mounting holes
- Lightweight, yet incredibly strong, the 453 Gimbal Mount Adapter is manufactured with engineering grade composite materials
- This gear combo is built to last and made to work, with no extra mounts or drilling holes required

ORDER NO. 382-04530

In use

For more information see: www.scotty.com

No. 341 GLUE-ON PAD for INFLATABLE BOATS

No. 341

Manufactured from flexible PVC and can be bonded to PVC or Hypalon inflatable boats. Stainless steel fasteners included. Size 5"W x 7"H. Works in conjunction with 241 Side/Deck mount. (Not included)

ORDER NO. 382-03411 (Black)
ORDER NO. 382-03412 (Grey)

No. 459 ADJUSTABLE ROD HOLDER EXTENDER

No. 459

Provides the option for you to position your Scotty Rod Holder into that perfect fish fighting location. Conveniently position your rod holder closer to you on your kayak or your downrigger to eliminate reaching for your rod.
Extends the height of the rod holder by 9-1/2".

ORDER NO. 382-04590

No. 259 ROD HOLDER HEIGHT EXTENDER

No. 259

Increase your odds with easier access to your rod and reel. Extends the height of the rod holder by 6-1/2", allowing for faster access when that fish strikes. Works with Scotty post mount rod holders (except 240 Striker).

ORDER NO. 382-02590

No. 414 OFFSET GEARS

Endless Rod Holder Positions

Now you can adjust your rod holder to that perfect fish fighting position!

- Offset Gears double your rod holder positions for ultimate versatility
- Position your rod holder exactly where you want
- Simply place a gear between the rod holder post and your Scotty rod holder, adjusting your desired angle of the rod holder before fastening the bolt tight

ORDER NO. 382-04140

No. 415 SLIP DISCS

- Allow you to make micro adjustments to your rod holder or any of the Scotty® rod holder height extenders. These discs when placed between the rod holder post and Scotty® rod holder allow you to obtain infinite adjustment
- Using one or both discs

ORDER NO. 382-04150

No. 254M MINI ROD HOLDER HEIGHT EXTENDER

No. 254M

Extends the height of your rod holder by 4-1/4", allowing you to tilt and swivel your rod holder when using a Flush Deck Mount. The MINI extender provides more flexibility when choosing the perfect position for your rod. Works with all Scotty post mount rod holders.

ORDER NO. 382-02540

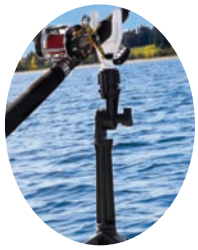
No. 433 COAMING / GUNNEL MOUNT CLAMP WITH GEAR-HEAD

Position your rod holder or Scotty accessory virtually anywhere on the lip of your kayak's coaming or boat gunnel. Built tough from rugged engineering grade nylon, the 433 revolutionizes the way you can fish from your sit-in kayak. The attached Gear-Head mount allows you to quickly change rod holder positions with a simple twist. Easily fasten the 433, drop and lock your favorite Scotty rod holder or accessory and start fishing! A non-permanent solution for mounting fishing gear to your watercraft and getting you out there!

ORDER NO. 382-04330

No. 416-BK ROD BALANCER / REST

- Non-resistance approach encourages more bite to strike hook-ups when fishing
- Increased successful and efficient hook-sets
- Built tough from rugged engineering grade nylon
- Makes for a great rod rest when fighting big fish in a small boat or kayak
- Works with all Scotty post mounts and rod holder height extenders
- 360˚ rotation available when using Scotty post mounts or extenders-
- Scotty® always recommends using a rod safety leash at all times



ORDER NO. 382-04160

No. 342-BK GLUE-ON PADDLE CLIP

Scotty's super-strong paddle clip now comes with the option of a glue-on mounting pad. This versatile product is great for any inflatable watercraft, including kayaks and SUP's where drilling holes is not an option. Using marine grade adhesive, mount the low profile 342 in a convenient location and simply snap in your paddle.

ORDER NO. 382-03420

No. 441 BACKING PLATE

Use the Scotty Backing Plate to add structural support when attaching the Scotty 241L / 241 Combination Side / Deck Mount or the Scotty 244L / 244 Flush Deck Mount to thin-walled watercraft. Made with super-tough rugged engineering grade nylon.
Stainless steel nuts & machine nuts included.

ORDER NO. 382-04410

FENDER RING

Use the Fender Ring to quickly attach a fender to your Scotty rod holder mounts. Easy to insert and remove. Inside diameter of ring is 7/8".

ORDER NO. 382-03270
(2 /Pkg)

ORDER NO. 382-03271
Bucket of 50.

For more information see: www.scotty.com

No. 367 UNIVERSAL FISHFINDER MOUNT

NEW!

Mounting your fish finder has never been easier with this universal fish finder mount. Designed with a multi pattern top plate to fit most popular electronic brands. The perfect mount for your 7" – 9" screens. The post mount allows you to install your screen in any of Scotty's post mount brackets. A full 360° of rotation allows you to position your screen in the perfect spot every time. Engineering grade nylon and stainless steel fasteners guaranty a lifetime of use even in the toughest conditions. Some assembly required. Accessories sold separate.

ORDER NO. 382-03670

No. 269, 270 & 272 SWIVEL FISHFINDER MOUNT

Uses the patented Scotty post mount design for quick removal and infinitely adjustable rotation. Fits or can be adapted to most fishfinder brands including Lowrance, Eagle, Humminbird and Garmin. Includes No.241 Side/Deck Mount and stainless steel fasteners. Can be used with No. 242 Rail Mount, No.449 Clamp Mount, No. 254 Height Extender for added mounting options.

ORDER NO. 382-02690 (Includes No. 241 Side/Deck Mount)
ORDER NO. 382-02700 (Includes No. 244 Flush Deck Mount)
ORDER NO. 382-02720 (Post bracket only)
Works with Scotty optional rod holder mounts.

No. 368 UNIVERSAL SOUNDER / FISHFINDER MOUNT

The Scotty Universal Sounder / Fishfinder Mount uses a new multi pattern universal top plate and the patented Scotty post mount design for quick removal and adjustable rotation. Simply fasten your sounder bracket to the top plate, then lock down the sounder mount into your favorite Scotty post mounting system.
Only intended for use with Fishfinders and other marine electronics.
(Sounder, Fishfinder, No. 241L Locking Combination Side/Deck Mount and fasteners not included).

ORDER NO. 382-03680 (Includes No. 241 Side/Deck Mount)

No. 140 & 141 TRANSDUCER ARM MOUNT FOR POST MOUNTS

Transducer mounting arm is designed for kayaks and small boat use. Made of high strength composite material that will give you years of service without corrosion problems. Telescopes from a compact 11.5" to 18" in length. Fully adjustable design allows for any angle.
ORDER NO. 382-01400 (Includes No. 241L Locking Side / Deck Mount, Scotty Post Mount, Scotty 415 Slip Disk, and Scotty Transducer Arms). **(Transducer not included).**

ORDER NO. 382-01410 (Includes No. 438 Gear-Head Track Adapter, Scotty 415 Slip Disk, and Scotty Transducer Arms). The 141 track adapter mount will allow you to install one of Scotty's fishfinder mounts or any Scotty post mount products. **(Track and Transducer not included).**

No. 443
FLEXIBLE D-RING WITH 3" STICK-ON ACCESSORY MOUNT

- Flexible D-Ring with Stick-on Accessory Mount is a great additional mounting point and works well with the No. 130 Paddle Leash, a cord or bungee to secure anything down to a SUP, kayak or small watercraft
- Securely fasten a cooler, paddle, dry bag or other gear accessory to a flat surface with this non-permanent mounting solution
- Includes No. 348 Stick-On Accessory Mount
- Includes 3M™ VHB™ Tape

ORDER NO. 382-04430
Stick-on base diameter: 3"

No. 436
STAND UP PADDLE BOARD LEASH PLUG ADAPTER

- Quick and Easy, Drop and Lock System
- Customize your board by either adding a Scotty Camera Mount, Cup Holder or any other Scotty Accessory
- Allows you to secure and re-position a rod holder or accessory with just a twist
- Quickly secures to a stand up paddle board's pre-installed leash plug
- Made from high strength composite materials and stainless steel J-Hook, makes for a trouble free use in various environments including salt water
- Comes with a large J-Hook for deep leash plugs and a short J-Hook for shallow leash plugs
- Use in conjunction with an extender to bring your rod closer to you

ORDER NO. 382-04360
Stick-on base diameter: 3"

No. 445-BK & 448-BK
STICK-ON ACCESSORY MOUNT WITH GEAR-HEAD

- Position your Scotty Rod Holder or Scotty Accessory virtually anywhere on your SUP or flush kayak/boat surface
- Includes attached Gear-Head Mount which makes it easy to drop and lock a Scotty Rod Holder or post mount product and change its position with a simple twist
- Includes No. 345 Stick-on Accessory Mount
- Includes 3M™ VHB™ Tape
- A non- permanent solution for mounting Scotty products to your watercraft
  NOTE: When using rod holders with this mount be sure to use them for storage purposes only

ORDER NO. 382-04450
Stick-on base diameter: 2"

ORDER NO. 382-04480
Stick-on base diameter: 3"

FISHING ACCESSORIES

No. 206 & 207
ALUMINUM LANDING NETS

Aluminum alloy handle and hoop with tough corrosion-resistant finish.
Strong 1-1/4" diameter handle retracts for compact storage. Guaranteed quality – 5 year warranty.

ORDER NO.	Description
382-02060	30" solid hoop, 4 foot handle
382-02070	30" solid hoop, 6 foot handle

No. 210 NET MINDER

Simply slide the rubber ring down the net handle, clip the bottom of the net into the release and the net will release from the clip when a fish is caught in the net.
ORDER NO. 382-02100

BAIT BOARD

The Scotty Bait board is the ultimate multi-purpose workspace for all your tool, tackle, & gear prep needs.

- Quickly mount the Bait Board to any Scotty® post mount
- Stores all your fishing favorites with the built-in lure and accessory rack, giving you quick and easy access to everything you need
- Exterior tray walls let you cut bait and prep lures conveniently in a contained space with tools at your finger tips
- Mount the Scotty Camera Mount No. 135 (Order No. 382-01350) or an all purpose cup mount No. 311BK (Order No. 382-03110) directly onto your Bait board saving you valuable boat space
- Keeps knives, pliers and hook sharpeners in place between use for added safety
- Easily elevate the board with the help of any adjustable rod holder extender (Example No. 429 (Order No. 382-04290)
- For great portability when kayaking, mount the Bait Board to the new 453 Gimbal Mount Adapter (Order No. 382-04530)
- Dimensions: 9.5" x 12.25" x 1.75"

ORDER NO. 382-04550
Mfr. No. 455

No. 130 PADDLE LEASH C/W FLEX COIL

For Paddles, Rods, Nets, Gaffs, and a variety of other items that need to be secured while in use.

- Uses 2 extra strong Scotty 1009 swivel snaps
- The super strong Flex Coil cord allows for maximum unrestricted movement.
- Stretches to approx. 6'
- Includes 2 figure 8 securing straps

Available in Black only

ORDER NO. 382-01300
Mfr. No. 130-BK

No. 990 KNIFE SHARPENER

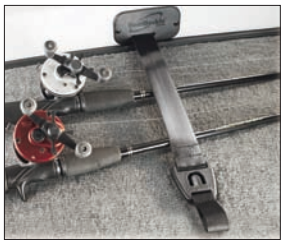
The ultimate sharpening device! Easy to use and can conveniently be stored in a tackle box or galley. Blades may be rotated to 8 different positions to extend the life of the sharpener. Blades made of Tungsten Carbide.

ORDER NO. 382-09900

BoatBuckle®

RODBUCKLE® RETRACTABLE ROD HOLD-DOWN SYSTEM

- Deck Mount with self-retracting polyester strap extends a full 24" & securely locks into position on the deck
- PVC extrusion coated strap grips rods and resists hook penetration
- Easy installation and retracts out of the way when not in use



ORDER NO.	Mfr. No.	Description
317-14200	F14200	RodBuckle® Gunwale/Deck Mount, Adjusts to 24"

ROD HOLDERS HLS SERIES

- SUR-Grip Release Handle ensuring a comfortable, secure hold
- Rubber grommets for maximum protection keeps hardware away from equipment

VERTICAL ROD HOLD-DOWN PLUS

- 2 Foam molded rod inserts that hold up to 8 rods
- Conceals all mounting hardware

Mfr. No. F15433

Mfr. No. F15435

ORDER NO.	Mfr. No.	Description	Length
317-15433	F15433	Deck Mount Rod Hold-Down PLUS	10" / 6"
317-15435	F15435	Vertical Rod Hold-Down PLUS	12"

TACKLE TITAN™ MINI

Magnetic Lure Holder & Tackle Organizer

- Holds: Up to 4 lures + magnetic top shelf
- Dimensions: 6" L x 1.25" H x 1.25" D
- Mounts on any flat surface with included 3M tape or fasteners

ORDER NO.	Mfr. No.	Colour
205-02029	TT-MINI1-DP	Black

For more information see: www.thmarinesupplies.com

TACKLE TITAN™ LURE RACK

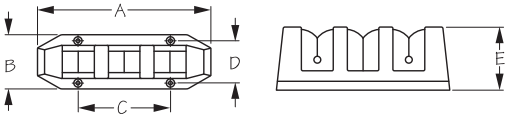
- Includes 20 large holes, & 22 small holes
- No more loose lures
- Gear is organized & accessible
- Mount with screws or tape

NEW!

ORDER NO.	Mfr. No.	Colour
205-099959	TT-TTS1-DP	Black
205-098808	TT-TTS2-DP	White

SEA-DOG LINE — ROD STORAGE RACK

Injection Molded ABS

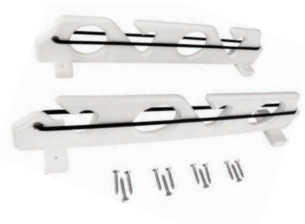


ORDER NO.	Mfr. No.	A	B	C	D	E	Fastener
423-25613	(pr.)325613-1	7-13/16"	2-7/16"	4-3/16"	1-15/16"	2-7/8"	# 8 FH
423-25615	(pr.)325615-1	11-3/8"	4-1/4"	4-1/4"	1-5/8"	2-7/16"	#8 FH

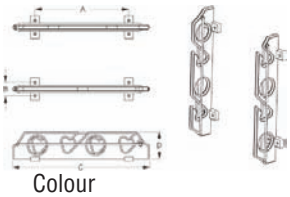
Soft foam inserts hold rods securely, reducing damage from rough seas.
Model No. 325613 holds 3 rods. Model No. 325615 holds 5 rods.

4-ROD STORAGE RACK

Polypropylene



NEW!



ORDER NO.	Mfr. No.	A	B	C	D	Fastener	Colour
423-25624	325624-1	10-7/16"	1-1/2"	15-1/8"	3"	# 8 FH	White

Constructed of extremely durable, high-strength UV resistant polypropylene.
For horizontal and overhead installation. Rods are secured with bungee cord attachment.
Installs with twelve #8 FH fasteners (included).

For more information see: www.sea-dog.com

Scotty — No. 111 KAYAK STARTER PACK

Fishing essentials for outfitting your Kayak.

The Kayak Starter Pack includes:

(1) No. 282 - CC No. 382-02820 - (Baitcaster Spinning Rod Holder with Gear Head & Track)
(1) No. 438 - CC No. 382-04380 - (Gear Head Track Adapter)
(1) No. 440-BK-4 - CC No. 382-04404 - (4" Low Profile Track)
(1) No. 311 - CC No. 382-03110 - Drink Holder (fits cans, coffee mugs & insulated sleeves)
(1) No. 136 - CC No. 382-01360 - Paddle Clip (holds your paddle, net, gaff & boat hook)
(1) No. 455 - CC No. 382-04550 - Baitboard & Accessory Tray

Stainless steel fasteners included - (18 pieces #10 x 5/8")

Not intended for use with Inflatable Kayaks.

NEW!

ORDER NO. 382-01110

No. 302 KAYAK STABILIZERS

Feel secure and stable in your kayak while fishing with the Scotty Stabilizers attached to your kayak. Made with easy inflatable inner bladders offering over 30 lb. of extra buoyancy. Scotty's new locking mounts make installation and removal quick and easy! Each pontoon includes a Scotty adjustable mounting system for easy installation and removal. The 30" long x 8" diameter (zipper opening) pontoons are made of heavy PVC-coated outer shell material with a durable inner bladder.

Each Stabilizer Kit includes:

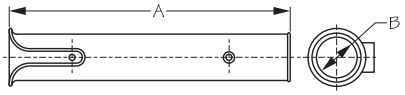
2 - Inflatable pontoons
2 - 28" anodized arms
4 - No. 241L Locking combination Side/Deck Mounts
2 - No. 280 Bait Caster Rod Holders

ORDER NO. 382-03020 Mfr. No. 302

For more information see: www.scotty.com

SIDE MOUNT ROD HOLDER

Injection Molded Polypropylene

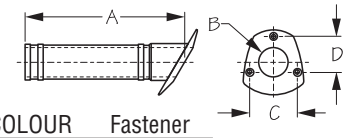


ORDER NO.	Mfr. No.	A	B	Colour	Fastener
423-25121	325121-1	11-11/16"	1-3/4"	White	#10 RH

A molded-in stand-off is located on the back of the rod holder allowing direct mounting to any flat surface.

FLUSH MOUNT ROD HOLDER

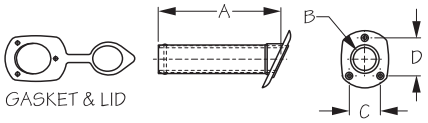
Injection Molded ABS



ORDER NO.	Mfr. No.	A	B	C	D	COLOUR	Fastener
423-25160	325160-1	9-1/2"	1-5/8"	2-1/2"	2-5/8"	Black	#12 FH
423-25161	325161-1	9-1/2"	1-5/8"	2-1/2"	2-5/8"	White	#12 FH

FLUSH MOUNT ROD HOLDER WITH CAP

Stamped 316 Stainless

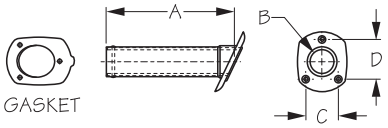


ORDER NO.	Mfr. No.	A	B	C	D	Fastener
423-25175	325175-1	8-3/4"	1-1/2"	2-3/16"	3"	# 12 FH
423-25239	325239-1	Replacement Cap and Gasket				

Slim lines stainless steel construction with UV resistant PVC cap and full length PE liner.

FLUSH MOUNT ROD HOLDER

Stamped 316 Stainless



ORDER NO.	Mfr. No.	A	B	C	D	Fastener
423-25176	325176-1	8-3/4"	1-1/2"	2-1/8"	3"	#12 FH

For more information see: www.sea-dog.com

attwood

ROD HOLDER

- Polished 316 grade stainless steel tube
- Corrosion resistant
- UV resistant polymer liner protects finish on rod & reel
- Includes UV resistant cover cap/gasket

STANDARD SERIES

- 2" Diameter x 7-1/2" Length

ORDER NO.	Mfr. No.	Configuration	Flange Shape	Colour	End Type
106-66363	66363-7	15˚ Angle	Oval	Black	Open

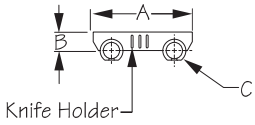
For more information see: www.attwoodmarine.com

SEA-DOG LINE QUALITY MARINE GEAR

TWO POLE WALL MOUNT ROD HOLDER

Injection Molded Polypropylene

- Two Pole Wall Mount
- One piece design, no assembly required

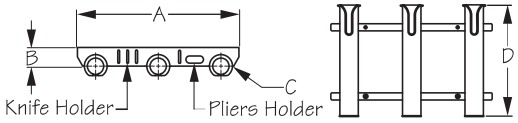


ORDER NO.	Mfr. No.	A	B	C	D	E	F	Colour
423-25028	325028-1	9"	1-3/4"	1-3/4"	10-3/4"	8"	4-5/8"	White
423-25029	325029-1	9"	1-3/4"	1-3/4"	10-3/4"	8"	4-5/8"	Black

THREE POLE WALL MOUNT ROD HOLDER

Injection Molded Polypropylene

- Three Pole Wall Mount
- One piece design, no assembly required

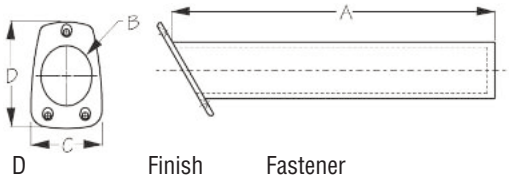


ORDER NO.	Mfr. No.	A	B	C	D	E	F	Colour
423-25038	325038-1	13-1/2"	1-7/8"	1-3/4"	10-3/4"	7"	4-1/2"	White
423-25039	325039-1	13-1/2"	1-7/8"	1-3/4"	10-3/4"	7"	4-1/2"	Black

NARROW GUNNEL ROD HOLDER WITH STAINLESS TOP

Stamped 316 Stainless/Injection Molded ABS

NEW!



ORDER NO.	Mfr. No.	A	B	C	D	Finish	Fastener
423-25065	325065-1	10""	1-5/8"	2-5/16"	3-7/16"	Stainless	#10 FH

Designed for narrow gunnel applications. Accommodates rods up to 1-5/8" in diameter. Features a 30˚ angle. Constructed of UV resistant injection molded ABS with highly polished investment cast 316 stainless top. Installs with three #10 FH fasteners (not included).

For more information see: www.sea-dog.com

PERKO® MADE IN THE USA

FISHING ROD HOLDERS

Angled Flush Mount -Approximate 65 degree

Features:

- Polished Stainless Steel Flange
- Stainless Steel Tube,
- Soft Black Liner
- Flange Gasket with Integral Flip-up Cap.

ORDER NO.	Mfr. No.	Mount Type	I.D. Tube	O.D. Tube	Under Flange Length	Dimensions	Drain Bib
621-04520	0452DPOSTS	Angled	1-5/8"	2"	8-1/4"	4-1/8" x 3-3/8"	No

REPLACEMENT PARTS FOR FISHING ROD HOLDERS

Construction:

- Soft Black Flange Gasket with Integral Flip-Up Cap
- Soft Black Lip
- Replacement Or Upgrade for Older Holders

CAP & GASKET KITS

ORDER NO.	Mfr. No.	Description	Fits Rod Holder
621-04801	0480DP0BLK	Cap & Gasket Kit	0448DP1CHR
621-04811	0481DP0BLK	Cap & Gasket Kit	0452DP0STS

COMPLETE LINER W/LIP & TUBE

ORDER NO.	Mfr. No.	I.D.	Fits Rod Holder
621-04821	0482DP1BLK	1-5/8"	Angled Flush Mount Rod Holders
621-04831	0483DP1BLK	1-5/8"	All Others

For more information see: www.perko.com

TACO MARINE

ROD STORAGE ALUMINUM ROD RACK

- Stylish Rod Storage
- Slotted to lock-in rods/reels
- Brushed aluminum rod holder rack

ORDER NO.	Mfr. No.	Description
305-313003	F31-3003BSA-1	Brushed Aluminum, 3-Rod Holder/Rack
305-313004	F31-3004BSA-1	Brushed Aluminum, 4-Rod Holder/Rack

Spline adjustments for rod holder angle and rack to fit the contour of the transom

4-ROD TRANSOM MOUNT RACK

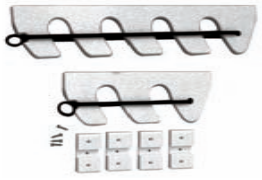
- Brushed Anodized Aluminum
- Long-lasting performance & appearance
- Adjustable to fit any boat's transom
- Form-fitting PVC white liner

ORDER NO.	Mfr. No.	RH Length	RH I.D.	Depth	Full Length
305-3135041	F31-3504BSA-1	10"	1-7/8"	6-1/4"	40-1/2"

4-ROD DELUXE PONTOON BOAT ROD RACK

- Compact design is big enough to hold spinning & conventional tackle
- Stainless-steel fasteners resist rust & corrosion
- Easy assembly
- UV-stabilized high density polyethylene
- Secure & convenient, onboard rod storage

Mfr. No. P03-074W
ORDER NO. 305-03074



305-03133/34

"BUNGEE" ROD HOLDER

- Perfect for under the gunnel
- Includes mounting backing plates & hardware
- UV-Stabilized high-density polyethylene for easy installation to withstand daily marine use
- Bungee cords keep your rods safe & secure

ORDER NO.	Mfr. No.	Description
305-03133	P03-133W	3-Rod Bungee Rod Holder
305-03134	P03-134W	4-Rod Bungee Rod Holder

For more information see: www.tacomarine.com

ROD HANGER RACKS

Stainless Steel Type 316L

- Secure storage for big game and spinning rods
- UV-Stabilized white poly racks w/ beveled edges offer a finished look
- Store multiple rods in convenient easy-mount vertically, horizontally and overhead
- Polished stainless steel/Delrin racks with pre-drilled recessed mounting holes rod hanger components

ORDER NO.	Mfr. No.	Description
305-162752	F16-2752-1	4-Rod Stainless Steel Rod Hanger Rack

WISE MARINE SEATING

ROD TENDER® TWIN ROD HOLDER WITH 2 SIDE MOUNTS

- High-impact co-polymer
- Multi-positional
- Locking rod ring
- Open design accepts all types of rod & reel systems
- Colour: Black

ORDER NO. 816-60390 Mfr. No.6039

For more information see: www.wiseseats.com

PANTHER ROD HOLDERS - 700, 800 SERIES

- Precision made out of rust-resistant stainless steel & anodized aluminum
- Provide unmatched dependability & durability in both saltwater & freshwater environments
- 360˚ Full hemisphere of possible locking positions
- Posi-LOCK technology – 25˚ - 45˚ - 90˚ angles
- Protects your trolling motor from excessive vibration
- Unique rubber lock-down strap
- Mounting base on all Panther models can be easily removed from the unit with an Allen Wrench for storage
- Diameter 1-3/4"
- Mounting hardware included

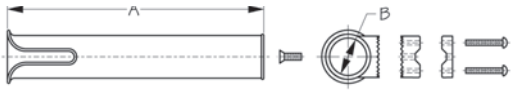
ORDER NO.	Mfr. No.	Description
934-950700	95-0700	7-3/4" depth fits most standard fishing rods *(Replaces 934-00700)*
934-950800	95-0800	10" depth for larger fishing rods *(Replaces 934-00800)*

NEW!

For more information see: www.panthermarineproducts.com

RAIL MOUNT ROD HOLDER

Injection Molded Polypropylene



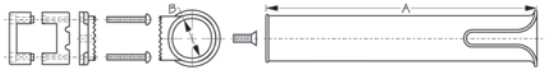
ORDER NO.	Mfr. No.	Colour	A	B	Fits Tubing
423-27160	327160-1	Black	11-3/4"	1-3/4"	7/8" - 1"
423-27161	327161-1	White	11-3/4"	1-3/4"	7/8" - 1"

These rod holders can accomodate rods up to 1-3/4" in diameter. Designed with a front mount adjustment screw. This allows easy adjustment without having to disassemble the rail mount brackets as required on competing models. Sea-Dog Line recommends using a safety line on the rod and/or reel when used with rail mount rod holders.

423-27161

RAIL MOUNT ROD HOLDER - SQUARE RAIL

Injection Molded Polypropylene



423-27166	327166-1	White	11-3/4"	1-3/4"	1-1/4" x 1-1/4"

Designed with a front mount adjustment screw. This allows easy adjustment without having to disassemble the rail mount brackets as required on competing models. It is a quick and easy way to add rod holders to pontoon boats. Sea-Dog Line recommends using a safety line on the rod and/or reel when used with rail mount rod holders.

Available in White Only

For more information see: www.sea-dog.com

PONTOON SQUARE RAIL ADJUSTABLE ROD HOLDER

Each rod holder comes with 2 protective liners, one to fit 1" and one to fit 1-1/4" square rail. The liners are round on the outside allowing the rod holder to be adjusted to any angle above the water. The hidden left or right adjustment allows even more adjustment choices. Made from 304 stainless steel tube lined with a UV resistant black PVC and fitted with a chrome zinc alloy adjustable clamp. Angle around the rail is infinitely adjustable.

Angle to the left or right adjusts 15˚ increments.

- Fits 1" or 1-1/4" square rail
- Fully adjustable around the rail and side to side
- 9" tall tube with 1-5/8" ID
- Gimbal pin keeps rod from spinning
- Solid bottom with drain holes prevents water from pooling
- Includes everything you need to install, mounting screws and the right hex key needed to make the angle adjustment and to tighten the clamp in place

ORDER NO. 336-55108
Mfr. No. 55108A

For more information see: www.cesmithco.com

TACO MARINE

FISHING PLIERS & KNIFE HOLDER

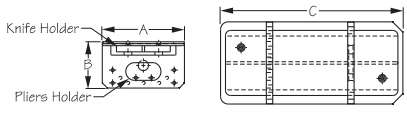
- Safe & convenient storage
- Available with Accessory-Ready Adapter for versatile accessorizing
- Holds a pair of pliers & 2 knives
- Includes stainless steel mounting screws

ORDER NO.	Mfr. No.	Description
305-011000	P01-1000W	Knife & Plier Holder

For more information see: www.tacomarine.com

SEA-DOG LINE QUALITY MARINE GEAR

KNIFE & PLIERS HOLDER



ORDER NO.	Mfr. No.	A	B	C	FASTENER
423-25925	325925-1	3-7/8"	2-1/4"	8-7/8"	# 8 FH

Great for storing your knives, pliers and fishing lures.

For more information see www.sea-dog.com

SHURHOLD

GOPRO CAMERA ADAPTER

Camera adapter compatible with GoPro Cameras and Shurhold Handles. Extend the versatility of your camera by quickly and easily attaching it to any Shurhold handle.

ORDER NO. 962-01040
Mfr. No. 104

- Capture underwater footage from inside the boat or on the dock
- Use to get above the crowd
- Use to capture moments of yourself scuba diving and more
- Set in rod holder for aerial view of all the fishing action
- Use to inspect under vessel or vehicle or other hard to reach areas

For more information see www.shurhold.com

Scotty

No. 135 PORTABLE CAMERA MOUNT

Fully twistable, turnable, rotatable and best of all, instantly portable. Locks down a standard camera or GoPro™ without needing a special adapter. Fits ALL Scotty post mount systems. The versatile top plate also works great for mounting compass or any other device that mounts on a flat surface.

ORDER NO. 382-01350 Mfr. No. 135

FASTENERS & ACCESSORIES
HANDI-MAN MARINE
KEEPING REPAIRS AT BAY

FISHING ROD HOLDER MOUNTING KIT

- Stainless Steel
- 10 x 1" /4 pcs.

ORDER NO. 754-00459A Mfr. No.459A

For more information see: www.handimanmarine.com

HYDROWAVE BASS H2

HydroWave Bass H2 is a Marine Audio Device based on the reactive senses of a Bass and other predatory fish.

HydroWave Bass H2 delivers the latest in patented, sound emitting technology, effectively imitating the audible underwater sounds of baitfish and fish-feeding activities. Research has proven these sounds stimulate feeding impulses in game fish.

System Includes:
H2 unit, waterproof speaker with 14' cord, speaker mounting, (6) 3" tie wraps, user guide & warranty card.

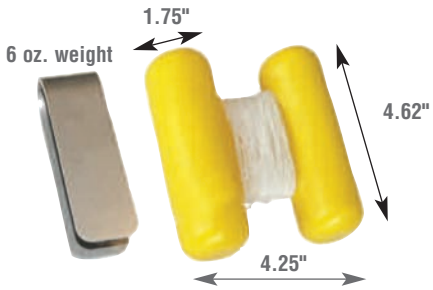
- 16 Sound patterns
- Waterproof speaker
- 16 Bit-CD quality sound
- Expansion port for additional sounds
- 5 Pre-programmed delay (Options (15/30/45/60/120)
- 14' Cord
- Lateral & Vibration Reaction Technology
- 2.5" Liquid display - LCD Screen
- Made in the U.S.A.

Bass Edition Sounds:
Power Pattern
Bait Blitz
Delayed Schooling
Schooling Blitz
Surface Bait
Spawning Bait
Ultra Finesse
Finesse
Feeding Frenzy
Deep Bait
Crawfish on Gravel Finesse
Crawfish on Sand Finesse
Blue Back Finesse
Bream Bed
Active Pads

ORDER NO.	Mfr. No.	Description
210-00038-11	HW-100038-11P	HydroWave Bass H2 System

For more information see www.thmarinesupplies.com

LEAD FREE Perfect for Marking that Sweet Spot



HOT SPOT MARKER BUOYS

Features and Benefits:
- Rounded design allows buoy to deploy quickly sending the weight to the bottom faster.
- Use to mark structure, weed lines, drop offs, or hot spots.
- Low profile helps resist wind and current drift.
- 6 oz. lead free weight ensures rapid deployment.
- 75 foot nylon twine is strong, durable and resistant to abrasion, acids, mildew and rot.
- Lifetime Warranty on vinyl buoy.
- Made in the USA.

ORDER NO.	Mfr. No.	Colour
101-00152	152	Yellow
101-00153	153	Orange

For more information see: www.taylormadeproducts.com

FISHING BAROMETER

Track pressure trends for greater fishing success!
- Easy to calibrate for local barometric pressure
- Adjustable pressure change indicator
- Color coded dial shows typical conditions for great, good or poor fishing
- Sure-grip ABS plastic housing
- Braided lanyard

ORDER NO. 668-69200
Mfr. No. 69200

NEW!

TURBO IN-LINE BLOWERS

Improved 3" design includes:

- Nickel-plated motor can for corrosion resistance
- Stiffening ribs to reduce housing distortion
- Motor cap to seal wires and motor for water resistance
- Up to 25% higher airflow
- Up to 40% fewer amps
- NMMA Certified
- IMCI (CE) Certified

Attwood's new and improved Turbo 4000 sets the standard for in-line blower performance. Utilizing advanced fan blade design techniques, Attwood has developed a blower system that matches air flow of existing in-line blowers at a significantly reduced noise level. For added durability, Attwood incorporates an engineered plastic housing that resists deformation during installation and prevents blade to housing interference.

ORDER NO.	Mfr. No.	Description
For 3" I.D. Ventilation Hose		
101-17310	1731-4	Turbo 3000 Standard 12V
101-17330	1733-4	Turbo 3000 Water Resistant 12V
For 4" I.D. Ventilation Hose		
101-17470	1747-4	Turbo 4000 Standard 12V
101-17490	1749-4	Turbo 4000 Water Resistant 12V

101-17310

101-17470

New & Improved

Water Resistant

For more information see: www.attwoodmarine.com

3" AND 4" IN-LINE BLOWERS

- Efficient high volume air flow
- Quiet operation
- Low amp draw
- Slip-on inlet and outlet ducting connections
- Sealed motor shaft for moisture protection
- Corrosion resistant nickel plated motor housing
- ABYC-H2
- ISO 9097:8846
- IMCI (CE)
- N.M.M.A. type accepted
- USCG 183.410 Compliant, Ignition protected

ORDER NO.	Mfr. No.	Description
272-14000	140	3" In-Line Blower
272-24000	240	4" In-Line Blower

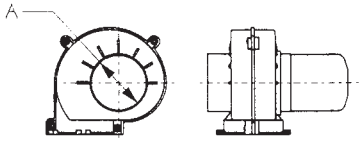
For more information see: www.xylem.com

BILGE BLOWER - 12 Volt

Injection Molded ABS Housing

ORDER NO. 424-35210

Mfr. No.	Amps	A	CFM	Fastener
435210	3 @ 12 V	3"	100	1/4" Bolt



For more information see: www.sea-dog.com

IN-LINE BLOWERS

DETMAR blowers are reliable, efficient and have the highest capacity on the market.

- UL 1128
- ABYC H-2
- NMMA Certified
- U.S.C.G. 33 CFR sections 183.410, 183.425 and 183.610
- IMCI Certified in accordance with ISO 9097

ORDER NO.	Mfr. No.	Description
107-07540	7-5-4C	3" In-Line Blower (3" intake, 3" exhaust)
107-07510	7-5-1C	4" In-Line Blower (4" intake, 4" exhaust)
107-07580	7-5-8C	4" intake, 3" exhaust In-Line Blower

107-07510

107-07540

DetMar CORPORATION

UL LISTED

For more information see: www.detmarcorp.com

Johnson Pump

3" AND 4" IN-LINE BLOWERS

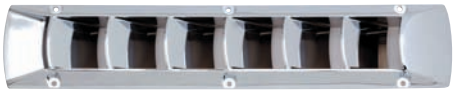
- 12 Volt
- High capacity at low amp draw
- Quiet, highly efficient & reliable operation
- High quality ABS plastic construction
- Installs easily with mounting feet & slide-on hose connection
- ABYC H-2
- NMMA Certified
- U.S.C.G. 33 CFR Sections 183.410, 183.425 & 183.610

ORDER NO.	Mfr. No.	Size	Capacity
671-66302	66302	3" In-Line	158 CFM
671-66402	66402	4" In-Line	240 CFM

For more information see: www.spxflow.com/johnson-pump-marine

VENTS - CLAMSHELL/LOUVERED

PLASTIC LOUVERED VENTS



- ABS plastic, will not rust, discolour or streak.
- No dangerous sharp edges to scratch or cut hands or feet.
- Designed for gunwale mounting to assure high-vent mounting so that the boat will meet and pass the tip test.
- 3-7/16" wide x 17-7/8" long x 3/4" high (1" neck).
- Installation hole size: 2-1/4" x 16-1/8".
- Pre-drilled with six mounting holes for size #8 screws.

ORDER NO. 101-14950 - Off-White Mfr. No. 1495-1

COLLECTOR BOXES

For use with Venturi, Flush Louvered or Trimline Vents. Corrosion-resistant plastic.

ORDER NO.	Mfr. No.	Description	Depth	Installation Hole
101-13411	1341-1	For two 3" I.D. hoses	3-7/8"	2-1/16" x 15-9/16"
For use with 1494 - 101-14941, 1423, 1424, 1425, 1426, 1496A				
101-13421	1342-1	For one 4" I.D. hose	5"	2-1/8" x 15-5/8"
For use with 1494 - 101-14941, 1423, 1424, 1496A				

COLLECTOR BOXES

For use with plastic louvered vent, with two 3" I.D. wire-supported ventilation hoses. Box fastens to vent with screws or pop rivets, then vent fastens to the deck. Corrosion-resistant plastic.

ORDER NO.	Mfr. No.	Description	Depth	Installation Hole
101-13451	1345-1	For two 3" I.D. hoses	4"	2-7/16" x 16-1/4"
For use with 1495 - 101-14950, 101-14951				

COLLECTOR BOXES

CLAMSHELL VENTS - STAMPED STAINLESS STEEL

These clamshell vents can be used to seal and splash-proof openings for wire, hose, etc. Also ideal for locker vents.

SMALL CLAMSHELL VENT

- Covers holes up to 1", hose or wire up to 7/16" diameter.
- Requires three #6 fasteners for installation.
- 1-9/16" long x 1-3/16" wide x 1/2" high.

ORDER NO.106-66399 Mfr. No.66399-1

LARGE CLAMSHELL VENT

- Covers holes up to 1-1/2", hose or wire up to 9/16" diameter.
- Requires three #6 fasteners for installation.
- 2-1/4" long x 2-3/16" wide x 9/16" high.

ORDER NO. 106-66400 Mfr. No.66400-1

For more information see: www.attwoodmarine.com

LOUVERED VENT

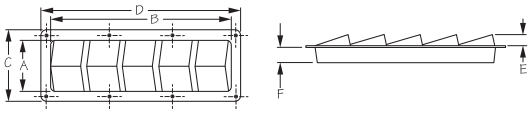
Measures 14" (356mm) long, 5-3/4" (146 mm) high and 1" (25 mm) deep with 1/2" (13 mm) flush height. Cut-out is 12-1/4" (311 mm) by 3-3/4" (95 mm).

ORDER NO. 107-07210 - White

For more information see: www.detmarcorp.com

SLOTTED VENTILATOR

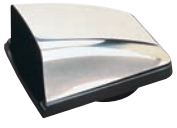
Stamped 316 Stainless

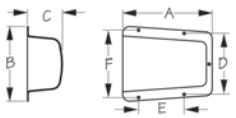


ORDER NO.	Mfr. No.	LOUVERS	A	B	C	D	E	F	Vent Area	Fastener
423-31290	331290-3	5	3-5/8"	12"	4-1/2"	12-7/8"	13/16"	1"	11.65 in²	# 6 RH

COWL VENT WITH BASE - Stamped 304 Stainless/Plastic

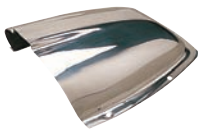
ORDER NO.	Mfr. No.	A	B	C	D	E	F	Fastener
423-31320	331320-1	5-7/8"	4-7/16"	3-5/16"	2-1/2"	3-9/16"	2-3/4"	#8 FH

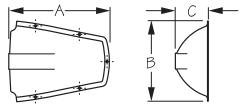




CLAM SHELL VENT - Stamped 304 Stainless

ORDER NO.	Mfr. No.	A	B	C	Vent Area	Fastener
423-31335	331335-1	5"	4-1/2"	2"	4.51 in²	# 6 RH
423-31340	331340-1	7"	5-3/4"	2-1/4"	7.51 in²	# 6 RH
423-31350	331350-1	7-1/2"	6-3/4"	2-7/8"	12.02 in²	# 6 RH





For more information see: www.sea-dog.com

PERKO® MADE IN THE USA

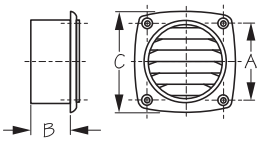
CLAMSHELL VENTILATOR
Chrome Plated Brass

ORDER NO.	Mfr. No.	Base Dimensions	Height Overall	Width Overall	Screw Size
621-03151	0315DP1CHR	1-5/8" x 1-1/2"	7/16"	7/8"	4
621-03152	0315DP2CHR	2" x 2"	9/16"	1-7/8"	6
621-03390	0339DP1CHR	4" x 3-3/4"	1-5/8"	2-1/2"	6

For more information see: www.perko.com

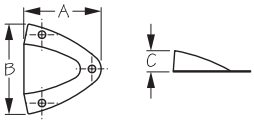
SEA-DOG® LINE QUALITY MARINE GEAR

HOSE VENT
Injection Molded ABS
Hose/Hole Size: 4"



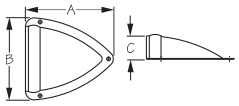
ORDER NO.	MFR. NO.	A	B	(OVERALL) C	VENT AREA	FASTENER
423-37410	337410	3-9/16"	1-3/8"	4-15/16"	4.05 in²	#8 FH

MIDGET VENT
Stamped 304 Stainless



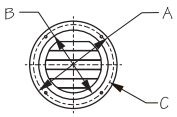
ORDER NO.	MFR. NO.	A	B	C	VENT AREA	FASTENER
423-31360	331360-1	1-5/8"	1-3/4"	1/2"	.29 in²	# 6 RH
423-31370	331370-1	2-1/4"	2-1/8"	5/8"	.52 in²	# 6 RH

MIDGET VENT -
HEAVY DUTY
Stamped 304 Stainless



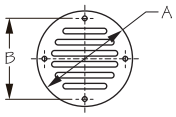
ORDER NO.	MFR. NO.	A	B	C	VENT AREA	FASTENER
423-31375	331375-1	3-3/4"	3-1/2"	1/2"	.75 in²	# 6 RH

ROUND LOUVERED VENT
Stamped 304 Stainless



ORDER NO.	MFR. NO.	A	B	C	VENT AREA	FASTENER
423-31424	331424-1	4"	2-1/2"	3-5/8"	.88 in²	# 6 RH
423-31425	331425-1	5"	3-1/2"	4-1/2"	2.02 in²	# 6 RH

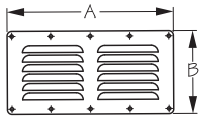
DRAIN COVER
Stamped 304 Stainless



ORDER NO.	MFR. NO.	A	B	VENT AREA	FASTENER
423-31600	331600-1	3-1/4"	2-3/4"	2.11 in²	# 6 RH
423-31601	331601-1	2-1/2"	2-1/8"	.85 in²	# 6 RH

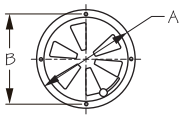
For more information see: www.sea-dog.com

LOUVERED VENT
Stamped 304 Stainless (Not Shown)



A	9-1/8"	B	4-5/8"
VENTED AREA		3.24 in²	
FASTENER		# 6 RH	
Mfr. No.		331400-1	
ORDER NO.		423-31400	

BUTTERFLY VENT - SIDE KNOB
Stamped 304 Stainless



A	5"	B	4-3/4"
VENTED AREA		2.89 in²	
FASTENER		# 6 RH	
Mfr. No.		331455	
ORDER NO.		423-31455	

attwood

SMALL CLAMSHELL VENT

Covers holes up to 1", hose or wire up to 7/16" diameter. Requires three #6 fasteners for installation.
1-9/16" long x 1-3/16" wide x 1/2" high.
ORDER NO. 106-66399

LARGE CLAMSHELL VENT

Covers holes up to 1-1/2", hose or wire up to 9/16" diameter. Requires three #6 fasteners for installation.
2-1/4" long x 2-3/16" wide x 9/16" high.
ORDER NO. 106-66400

For more information see: attwoodmarine.com

PERKO MADE IN THE USA

COWL VENTILATOR

Chrome Plated Zinc Alloy Cowl with Black Polymer Base. 3" Duct Threads into Neck, Hose Clamps Not Required.
Overall Length: 5-3/4" / Overall Width: 4-3/8"
Overall Height: 2-5/8" / Mouth Opening: 8 sq. ins.
Screw Size: #8

ORDER NO. 621-13120 Mfr. No. 1312DP0CHR

For more information see: www.perko.com

attwood

COWL VENTILATOR WITH FLANGE

For use with 3" I.D. wire-supported ventilation hose.
Comes with flexible hose flange for simple, secure insertion into the deck hole. Flange is screwed onto hose, then the vent snaps easily onto the flange. Vent constructed of chrome-plated die-cast Perma- Plate® ZAMAK. Flange is non-corrosive plastic.

- Dimensions: 5-5/16" wide x 6" long x 2-1/4" high (neck extends 1" below deck)
- Installation hole size: 3-1/4" to 3-1/2" diameter
- Pre-drilled with three holes for #8 screws

ORDER NO. 101-13640 Mfr. No. 1364A3

TWIST-ON HOSE FLANGE

For use with 3" I.D. wire-supported ventilation hose.
Unique design allows hose installation from topside by simply turning the flange into the hose spiral, passing the hose through the deck hole, then mounting ventilator. The connection is secure with no hose clamps needed.
Non-corrosive plastic construction.

- Installation hole size: 3-1/4" - 3-1/2" diameter
- Pre-drilled with four holes for #10 screws

ORDER NO. 101-14050 Mfr. No. 1405-3

STORAGE VENT

Used to vent lockers and storage areas.
Does not accept a ventilation hose.
For mounting above the rub rail only.
Installs easily to provide 3" diameter transom vent.
Plastic construction will not corrode or discolour.

- Provides over 6 square inches of ventilation opening
- Overall dimensions: 3-13/16" flange diameter, 1-1/16" high, 5/8" neck
- Installation hole size: 3-1/16" to 3-1/8" diameter

ORDER NO. 101-13530 Mfr. No. 13531

For more information see: www.attwoodmarine.com

SEA-DOG LINE QUALITY MARINE GEAR

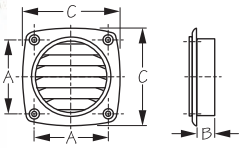
FLUSH VENT

Injection Molded ABS

A	3-9/16"
B	3-3/4"
C	4-15/16" (Overall)
HOLE SIZE	Up to 4"
VENT AREA	4.05in²
FASTENER	# 8 FH
COLOR	Black
Mfr. No.	337426-1
ORDER NO.	**423-37426**

THRU VENT

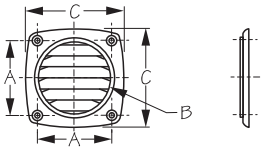
Injection Molded Polypropylene



Hose/Hole Size: 3"
Vent Area: 3.04in²

ORDER NO.	Mfr. No.	Colour	A	B	C (OVERALL)
423-37310	337310	White	2-13/16"	5/8"	3-5/8"
423-37320	337320	Black	2-13/16"	5/8"	3-5/8"

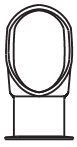
FASTENER: #8 FH



LOW PROFILE COWL VENT/ SNAP-ON DECK PLATE

Dip Molded PVC

ORDER NO.	Diameter	Height	Int. Colour
427-27130	3"	5"	Red
427-27142	4"	5-7/8"	White



STANDARD COWL VENT/ SNAP-ON DECK PLATE

Dip Molded PVC

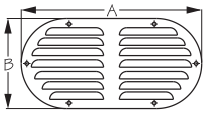
ORDER NO.	Mfr. No.	Diameter	Height	Int. Colour
427-27135	727135-3	3"	7-3/4"	Red
427-27147	727147-3	4"	9-1/4"	White

For more information see: www.sea-dog.com

SEA-DOG LINE
QUALITY MARINE GEAR

LOUVERED VENT - OVAL

Stamped 304 Stainless



ORDER NO.	Mfr. No.	A	B	Vent Area	Fastener
423-31405 / ea.	331405-1	9-1/8"	4-5/8"	2.94 in²	#6 RH

For more information see: www.sea-dog.com

PERKO®
MADE IN THE USA

LOCKER VENTILATOR

Chrome Plated Brass
Screw Size: #6 R.H.

ORDER NO.	Size / O.D.
621-03301	2-1/2"
621-03302	3-1/4"

For more information see: www.perko.com

MARINCO®

SOLAR POWERED EXHAUST VENTILATION

The MiniVent 1000 is the smallest and most economical solar vent in the Nicro line. At just 7" in diameter and approximately 1-3/4" high, the MiniVent 1000 is compact yet effective. The solar powered model is an exhaust vent only, but it will keep the boat cabin cool when you need it most -during the hot sunlight hours. Under solar power, the Mini Vent 1000 will move 700 cubic feet of air an hour. At night, even a light breeze will continue to ventilate the boat passively. Built-in shut-off damper prevents water intrusion in rough seas. Fits a 3-3/4" installation hole.

MINI VENT 1000

CE

- Solar powered exhaust ventilation during daylight -passive exhaust at night
- No batteries or wiring required
- Whisper-quiet fan operation
- Durable white ABS construction
- Shut-off damper to prevent water intrusion in rough seas
- 2-year limited warranty and 5-year qualified warranty
- Mounting hardware included
- Optional stainless steel cover available
- Dimensions: 7" diameter x 1-3/4" high
- All MiniVent 1000 models come complete with white plastic interior trim ring, mounting hardware and an easy-to-understand installation manual

Mfr. No. N20020 3" White
ORDER NO. 113-20020

AIR VENT 500
PASSIVE EXHAUST VENTILATION

Nicro offers the AirVent 500 as a non-solar ventilation option that can passively move 600 to 1,000 cubic feet of air per hour in a 15 knot breeze. Nicro's engineering expertise created this vent to be strong, compact and effective.
The AirVent 500 is an economical way to provide ventilation in your boat or it can be used in conjunction with other solar powered or 12V vents to create cross flow air circulation.

- Compact size: 7" diameter x 1-3/4" high
- High Air Flow volume 600-1,000 cu. ft./hour in a 15 knot breeze
- Strong U.V. stabilized white ABS construction
- Center panel is translucent plastic allowing light to pass through it below deck
- Center damper shuts vent off from below
- Easy installation- attaches directly to deck in compact 3-3/4" diameter hole

Mfr. No. N28810 3" White
ORDER NO. 113-28810

DAY/NIGHT SOLAR VENT

NEW DESIGN

CE

- Circulates fresh air in boat cabin eliminating mold, mildew and musty air
- Moves 1,000 cubic feet of air/hour or 24,000 cubic feet of air/day (4" model)
- Rechargeable battery allows for 24-hour continuous operation
- Whisper quiet fan operation
- No wiring required
- Built-in on/off fan switch, LED lights and intake/exhaust switch
- 2-year limited warranty
- High capacity NiMh battery operates vent for up to 24 hours without sunlight on a full charge
- Threads into included deck plate and can be removed from outside without tools
- Complete air & green water shut-off from below
- All Day/Night PLUS models come complete white plastic interior trim ring, insect screen, mounting hardware and an easy-to-understand installation manual
- **Replaces NICRO 3" & 4" snap-in deck plates (fits existing holes once snap-in deck plates are removed)**

ORDER NO.	Mfr. No.	Description
333-20803S	N20803S	3" Stainless
333-20804S	N20804S	4" Stainless
222-20803W	N20803W	3" White
222-20804W	N20804W	4" White

For more information see www.marinco.com

PRECISION WIND DIRECTION INDICATORS

10" WINDEX VANE
For Small Boats and Dinghies

Sapphire suspension bearing, 10" Vane (25cm) and adjustable tacking arms with tabs. Vane and tabs feature reflectors for high visibility day and night. Includes glass reinforced polycarbonate J-Base for side, top or front of mast mounting on most dinghies, smaller boats and sport boats. Stands just 9.25" (23.5cm) tall and weighs 1.2 ounces (31g).

ORDER NO.	Mfr. No.	Description
510-03120	3120	Windex 10 Sport
510-03101	3101	Spare Vane Only

15" WINDEX VANE The Choice for Most Sailors

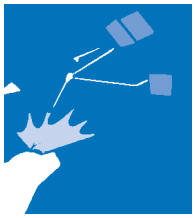
The 15" (38.1cm) vane can be through bolted or tapped into the masthead. The mounting socket has a 5/16"-18 thread. The entire unit weighs only 3.6 ounces (101g). Sapphire suspension system and reflector tabs on the bottom surfaces make Windex 15 highly sensitive and visible, even at night!
Bird-proof spike extends above vane to keep birds off your mast. Can be equipped with Windex Light #3200.

ORDER NO.	Mfr. No.	Description
510-03150	3150	Windex 15
510-03151	3151	Spare Vane Only

WINDEX LIGHT For Viewing Windex Indicators at Night

This unique lighting system makes it as easy to "read the wind" at night as during the day, from anywhere on deck. The Windex Light is mounted directly to the masthead fitting of the Windex 10 and 15. The non-dazzling light from the 12-volt bulb illuminates the reflecting surfaces of the reference tabs and vanes. Completely waterproof with non-corroding, silver parts.
Low battery drain: Current draw of Windex Light is 120ma.

ORDER NO.	Mfr. No.	Description
510-03200	3200	Windex Light



WINDEX AV Combines Two Installations into One

Windex AV lets you mount the time tested Windex 15" wind vane onto standard Metz™ or Shakespeare™ brand VHF or AM/FM whip antennas. Keeps masthead uncluttered, reduces weight and windage aloft. Rides on low-friction Teflon™ bearings in place of sapphire suspension. Complete with 15" (38cm) vane, reflective tabs, stainless arms, and all components needed for easy installation.

ORDER NO.	Mfr. No.	Description
510-03160	3160	Windex AV

Note: Antenna not included

WINDEX ACCESSORIES

J-BASE™ VERSATILE MOUNT
for Windex 15 and Windex 10.Sport

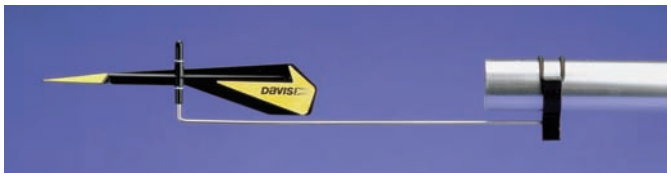
Standard with the Windex 10.Sport, **J-Base™** can be ordered as an option for Windex 15. Allows for side, top or front mounting on most masts, on big boats or dinghies alike. **J-Base™** is made of glass filled polycarbonate, 2" (5cm) long. Includes stainless steel set screw and (2) #10 self-tapping screws. Reduces overall weight by 15 grams when substituted for standard mounting base on Windex 15.

ORDER NO.	Mfr. No.	Description
510-03155	3155	J-Base for Windex 15
510-03125	3125	J-Base for Windex 10.Sport

BLACK MAX WIND DIRECTION INDICATOR
Tough • Versatile • Sensitive

Black Max™ is a versatile, high performance wind direction indicator that attaches quickly to masts and booms on most small boats such as Lasers and Sunfish. The tough, high impact plastic vane is designed to withstand years of punishment and the abuse of small boat sailing. The stainless steel mounting arm and set screw, as well as a tough plastic mounting base, add to the system's durability.
Wind vane length 8" (20 cm).
ORDER NO. 510-01295
Mfr. No. 1295

Unique adjusting system fits masts OR booms from 1.5 to 2.5" (38 to 64 mm)



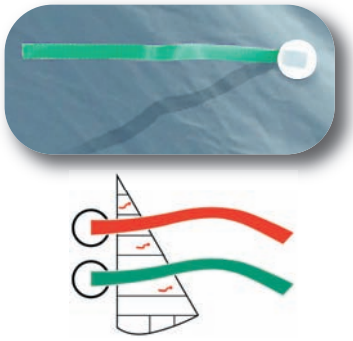
Attached to a boom

Attached to a mast

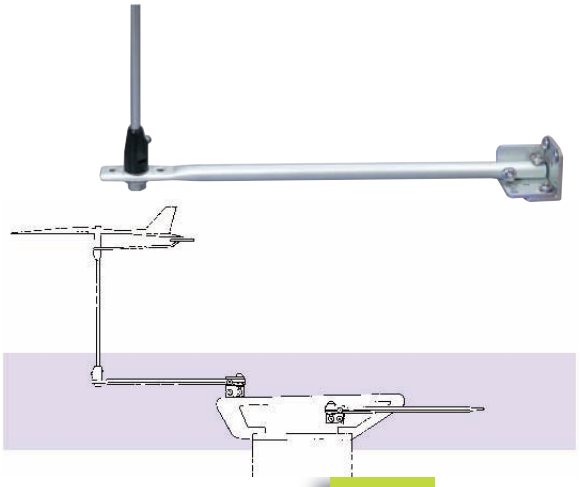
Unbreakable protective storage tube

SAIL & RIGGING GEAR
Air-Flow Tels™
Lightweight, ripstop nylon Air-Flow Tels™ attach to sails with waterproof adhesive locator discs. No holes required. Tels show the air flow across the sails - allowing you to trim sails for maximum performance. Each kit includes 14 Tels and full instructions on where to apply them and how to read them.
ORDER NO.510-00950
Mfr. No. 950

#950 Air-Flow Tels™



UNIVERSAL MASTHEAD MOUNT
Extend your Windex 10.Sport or Windex 15 vane away from masthead obstructions. The 13" (33cm) arm comes with hardware to allow for side or top mounting and offset angles up to ±20 degrees. Mount on the back of the mast for easier viewing from the cockpit.
Can be used with Windex Light # 510-03200.
Length 13 inches (33cm) Weight 3.2 oz (90g)
ORDER NO.510-01705
Mfr. No. 1705



SAIL TRACK STOPS

When it's time to lower your sail you can rely on Davis' Round and Flat SAIL TRACK STOPS to hold your sail and its slides in place on the mast and boom. Large knurled wheels are released with ease. Made of heavy-duty, black anodized aluminum and marine grade nickel plated brass. Flat stops come with lanyard holes.

#2350	ROUND	.50" dia. x 875"	(13 x 22mm)	**ORDER NO. 510-02350**
#2351	FLAT	.42" x 1 x .125"	(11 x 25 x 3mm)	**ORDER NO. 510-02351**
#2352	FLAT	.75" x 1 x .125"	(19 x 25 x 3mm)	**ORDER NO. 510-02352**

EMERGENCY RADAR REFLECTOR

Effective in any Weather

RADAR REFLECTORS

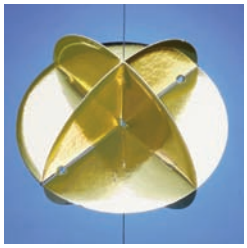
Giving ships a chance to see you in fog and low visibility conditions is a must for serious boaters.

• Proven Superiority. • Ranked "the best radar reflector" and one of the top ten sailing products by Practical Sailor. • Rated "superior" by SRI after the most rigorous tests ever conducted on radar reflectors, some costing 10 times as much.

EMERGENCY RADAR REFLECTOR

Every small boat needs a radar reflector.
The Davis Emergency Radar Reflector is a compact, lightweight and economical unit that disassembles and stows flat for storage. When needed, it pops open to 11.5" diameter (292mm) and installs in seconds. Its three perpendicular planes reflect radar from all directions. Made of special plastic-metal foil laminate. Resists corrosion or peeling. Cheap insurance!

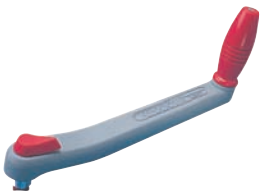
ORDER NO. 510-00151

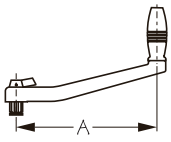


#151 Emergency Radar Reflector

For more information see: www.davisinstruments.com

SEA-DOG LINE QUALITY MARINE GEAR





"IT FLOATS™" - LOCKING WINCH HANDLE

Injection Molded Fiberglass Nylon

Patented design is made by way of air assist injection molding instead of foam filled method, thus preventing any potential leakage of foam from within the handle. Both sizes feature ball bearings in the handle to ensure smoother action under load.

ORDER NO.	Mfr. No.	A
426-04080	604080	8"
426-04100	604100	10"

For more information see: www.sea-dog.com

BOAT COVERS

BoatGuard®

Hot Shot™ Fabric
Acrylic Coated Polyester

BoatGuard® Boat Covers are America's best selling universal-fit trailerable boat covers. Strong enough to be trailered, and are fully capable of surviving the rigors of the road. BoatGuard® Covers are manufactured from acrylic coated polyester grey Hot Shot™ fabric that is both light weight and water repellent. Storage bag & tie-downs included.

All BoatGuard® covers feature:

- 4-ply folded seams and double-folded hems.
- Strong 1" wide tie-down loops to secure the cover without scratching the boat.
- Shock cord in the hem for a close fit.
- Sizes to fit most models.
- 2 year limited warranty.

POLYESTER ORDER NO.	Max. Beam Width	Length/Description
111-70201	to 75"	12' to 14' Aluminum Fishing
111-70202	to 75"	14' to 16' Aluminum Fishing
111-70203	to 90"	14' to 16' V-Hull Runabout Bow Rider
111-70204	to 96"	16' to 19' Fish 'n Ski
111-70211	to 96"	17' to 19' Center Console
111-70205	to 102"	17' to 19' V-Hull Runabout Bow Rider
111-70206	to 102"	19' to 21' V-Hull Runabout Bow Rider
111-70207	to 102"	21' to 23' Cuddy Cabin

BoatGuard® ECLIPSE BOAT COVERS

Hot Shot™ Fabric
Acrylic Coated Polyester

New improved fabric keeps boat interior temperature up to 20° cooler!

This cover is designed to be eye catching and fully trailerable. BoatGuard Eclipse offers excellent mildew and water resistance and can withstand harsh environments with ease. Unique design spreads strap tension evenly across cover surface.

- 300 denier heavy duty 6.25 oz. polyester fabric in two-tone colours
- Fully trailerable
- Includes storage bag, tie-down straps and support pole
- Sewn-in air vents provide proper air circulation under cover
- 5 year limited warranty.

ECLIPSE ORDER NO.	Max. Beam Width	Length/Description
111-70902	to 75"	14' to 16' Aluminum Fishing
111-70903	to 90"	14' to 16' V-Hull Runabout Bow Rider
111-70904	to 96"	16' to 19' Fish 'n Ski
111-70911	to 96"	17' to 19' Center Console
111-70905	to 102"	17' to 19' V-Hull Runabout Bow Rider
111-70906	to 102"	19' to 21' V-Hull Runabout Bow Rider
111-70907	to 102"	21' to 23' Cuddy Cabin
111-70909	to 102"	19' to 21' Center Console
111-70910	to 102"	21' to 23' V-Hull Runabout Bow Rider

NOTE: Tie your cover securely while trailering and; as with any boat cover, a support pole should be used to allow water to run off.

For more information see: www.taylormadeproducts.com

BIMINI TOPS

HOT SHOT™ BIMINI BOATOPS®

Manufactured with the same great features as the current tops, these units are sold with the Frame & Fabric Tops packaged separately. Frames are Bright Dip Anodized Aluminum with Marine Nylon Hardware; Tops are manufactured from Hot Shot Acrylic Coated Polyester that are available in colors listed below.

Frame Features:
- Heavy duty thick 7/8" bright anodized aluminum tubing
- Non-corrosive light density black nylon fittings
- Double-wall tubing in main bow (on larger models)
- Both horizontal and vertical hardware included
- Includes bow straps for extra support and adjustable tie down straps
- All stainless steel hardware

Fabric Top Features:
- Constructed from Hot Shot™ fabric -100% acrylic coated polyester
- UV and mildew resistant
- Water repellent
- 6 oz. breathable fabric

Stitched with GORE Tenara SEWING THREAD

Seams Guaranteed for a Lifetime! To Outlast All Fabrics . . . or we'll Repair it Free!

ORDER NO.	Mfr. No.	Description	
42" HEIGHT			
ORDER NO. 104-42673	42673	Bimini Frame only	6'L x 42"H x 67"-72"W
ORDER NO. 104-27010	42701 OW	White Top only	6'L x 42"H x 67"-72"W
ORDER NO. 104-27011	42701 OB	Blue Top only	6'L x 42"H x 67"-72"W
ORDER NO. 104-27012	42701 OG	Grey Top only	6'L x 42"H x 67"-72"W
ORDER NO. 104-27013	42701 ON	Navy Top only	6'L x 42"H x 67"-72"W
ORDER NO. 104-27014	42701 OR	Black Top only	6'L x 42"H x 67"-72"W
ORDER NO. 104-42679	42679	Bimini Frame only	6'L x 42"H x 73"-78"W
ORDER NO. 104-27020	42702 OW	White Top only	6'L x 42"H x 73"-78"W
ORDER NO. 104-27021	42702 OB	Blue Top only	6'L x 42"H x 73"-78"W
ORDER NO. 104-27022	42702 OG	Grey Top only	6'L x 42"H x 73"-78"W
ORDER NO. 104-27023	42702 ON	Navy Top only	6'L x 42"H x 73"-78"W
ORDER NO. 104-27024	42702 OR	Black Top only	6'L x 42"H x 73"-78"W
ORDER NO. 104-42685	42685	Bimini Frame only	6'L x 42"H x 79"-84"W
ORDER NO. 104-27030	42703 OW	White Top only	6'L x 42"H x 79"-84"W
ORDER NO. 104-27031	42703 OB	Blue Top only	6'L x 42"H x 79"-84"W
ORDER NO. 104-27032	42703 OG	Grey Top only	6'L x 42"H x 79"-84"W
ORDER NO. 104-27033	42703 ON	Navy Top only	6'L x 42"H x 79"-84"W
ORDER NO. 104-27034	42703 OR	Black Top only	6'L x 42"H x 79"-84"W
54" HEIGHT			
ORDER NO. 105-54673	54673	Bimini Frame only	6'L x 54"H x 67"-72"W
ORDER NO. 105-47010	54701 OW	White Top only	6'L x 54"H x 67"-72"W
ORDER NO. 105-47011	54701 OB	Blue Top only	6'L x 54"H x 67"-72"W
ORDER NO. 105-47012	54701 OG	Grey Top only	6'L x 54"H x 67"-72"W
ORDER NO. 105-47013	54701 ON	Navy Top only	6'L x 54"H x 67"-72"W
ORDER NO. 105-47014	54701 OR	Black Top only	6'L x 54"H x 67"-72"W
ORDER NO. 105-54679	54679	Bimini Frame only	6'L x 54"H x 73"-78"W
ORDER NO. 105-47020	54702 OW	White Top only	6'L x 54"H x 73"-78"W
ORDER NO. 105-47021	54702 OB	Blue Top only	6'L x 54"H x 73"-78"W
ORDER NO. 105-47022	54702 OG	Grey Top only	6'L x 54"H x 73"-78"W
ORDER NO. 105-47023	54702 ON	Navy Top only	6'L x 54"H x 73"-78"W
ORDER NO. 105-47024	54702 OR	Black Top only	6'L x 54"H x 73"-78"W
ORDER NO. 105-54685	54685	Bimini Frame only	6'L x 54"H x 79"-84"W
ORDER NO. 105-47030	54703 OW	White Top only	6'L x 54"H x 79"-84"W
ORDER NO. 105-47031	54703 OB	Blue Top only	6'L x 54"H x 79"-84"W
ORDER NO. 105-47032	54703 OG	Grey Top only	6'L x 54"H x 79"-84"W
ORDER NO. 105-47033	54703 ON	Navy Top only	6'L x 54"H x 79"-84"W
ORDER NO. 105-47034	54703 OR	Black Top only	6'L x 54"H x 79"-84"W
PONTOON BOATS 56" HEIGHT			
ORDER NO. 106-01325	601325	Bimini Frame only	8'L x 56"H x 96"W
ORDER NO. 108-40001	840000B	Blue Top only	8'L x 56"H x 96"W
ORDER NO. 108-40002	840000R	Black Top only	8'L x 56"H x 96"W

For more information see: www.taylormadeproducts.com

HOT SHOT ™ ZIPPERED STORAGE BOOTS FOR BIMINI BOATOPS®

Keep your Bimini BoaTop® neatly stored when you are not on the boat. Boots feature one separating plastic zipper for easy on/easy off, and are made of marine vinyl to last for years. Manufactured with Hot Shot™ acrylic coated polyester fabric, that makes the boot strong yet lightweight and easy to store.

67" x 72" Width - HOT SHOT FABRIC

ORDER NO.	Mfr. No.	Colour
106-31700	631700W	White
106-31701	631700B	Blue
106-31702	631700G	Grey
106-31703	631700N	Navy
106-31704	631700R	Black

73" x 78" Width - HOT SHOT FABRIC

ORDER NO.	Mfr. No.	Colour
106-31760	631760W	White
106-31761	631760B	Blue
106-31762	631760G	Grey
106-31763	631760N	Navy
106-31764	631760R	Black

79" x 84" Width - HOT SHOT FABRIC

ORDER NO.	Mfr. No.	Colour
106-31820	631820W	White
106-31821	631820B	Blue
106-31822	631820G	Grey
106-31823	631820N	Navy
106-31824	631820R	Black

91" x 96" Width - HOT SHOT FABRIC

ORDER NO.	Mfr. No.	Colour
106-31941	631940B	Blue
106-31944	631940R	Black

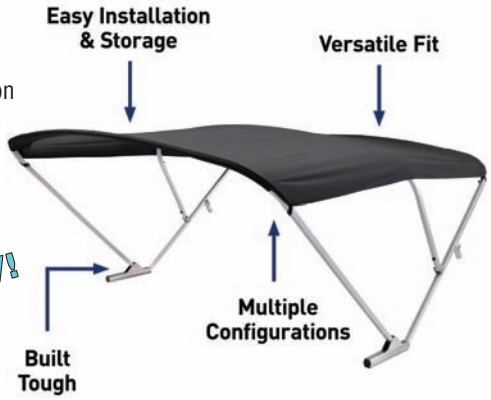
SURESHADE® POWER BIMINI

Never leave your seat again to adjust your bimini top. The Sureshade® Power Bimini allows boaters to operate their canopy from the helm with the flip of a switch. In seconds, your pontoon bimini can adjust from fully extended to lying completely down, or any position between.

- Equipped with a telescoping frame that adjusts from 92" to 102" wide, this automatic shade system fits most pontoons on the market today
- With 10' of canvas, you can get up to 30% more coverage than standard bimini tops

ORDER NO.	Mfr. No.	Description
202-0000297	2020000297	Clear Anodized Frame, Black Canvas
202-0000302	2020000302	Clear Anodized Frame, Pacific Blue Canvas
202-0000304	2020000304	Black Anodized Frame, Black Canvas
202-0000308	2020000308	Black Anodized Frame, Navy Blue Canvas

NEW!



ANCHORSHADE®III

Long known for manufacturing quality marine products,
Taylor Made Products has re-invented the highly successful Anchorshade. Several important design changes are being introduced, including larger diameter and solid fiberglass structural ribs, and hinge connectors which are twice as strong as on our last model. Also added to these improvements, is a powder-coated aluminum frame (so even if scratched, it will not rust), a 4-point locking height adjuster and a Sur-Lock push-up mechanism. These newest innovations are sure to keep your Anchorshade III looking and working well, for years to come!
This uniquely designed 6ft. x 6ft. square umbrella can be used on almost any vessel from a small fishing boat to the larger high performance boats.
AnchorShade®III is designed to be used when anchored or at idle speed on a calm day.
AnchorShade®III is perfect for relaxing on the water,
at dockside, or just lounging on the beach.

- Adjustable pole locks in place up to 8'
- Lightweight, mildew/fade resistant UV-treated nylon top
- Excellent sun protection. Blocks out 85-90% of harmful rays
- Adjustable straps with non-corrosive hardware provide mounting flexibility for nearly all applications
- "Market Style" top allows venting to occur without loss of sun protection
- Comes complete with its own heavy-duty carrying case with a shoulder strap

ORDER NO.	Mfr. No.	Description
666-22042	22042	Anchorshade III, White
666-22043	22043	Anchorshade III, Blue

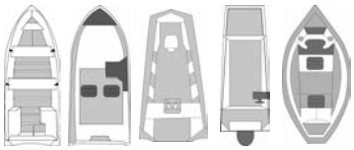
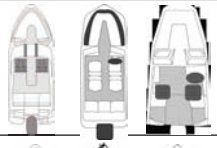
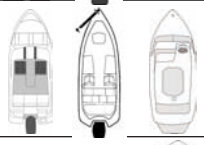
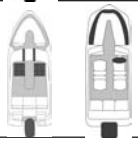
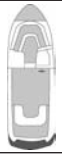
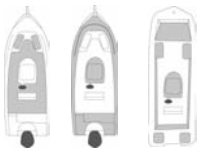
Great NEW Design!

For more information see: www.taylormadeproducts.com

CARVER UNIVERSAL FLEX-FIT™ PRO BOAT COVERS

- Material: Economically priced, Poly-Flex II is a 5.3 oz. 300 x 300 denier 100% solution-dyed marine polyester with a polyurethane finish coating. Lightweight and strong, provides good resistance to tearing, fading and rot. Good sun blockage, durable water repellency, UV and mildew resistant finish. Breathable to help allow interior moisture to escape.
- Heavy-duty 1/4" shock cord sewn into hem for a snug fit
- Double stitch construction & reinforced tie-down loops for added strength & durability
- Weather-resistant anti-wick thread throughout construction
- Trailering straps included for quick & easy tie-down
- Join seams are folded 4-ply, no raw edges
- Good resistance to tearing
- Mesh storage bag included
- 3-Year Warranty

NEW!

ORDER NO.	Mfr. No.	Boat Types	Diagram	Centerline Length	Max Beam Width
457-79001	79001	V-Hull Fishing Boats		14' - 16'	78"
		V-Hull Narrow Bass		14' - 16'	78"
		Jon Boats		14' - 16'	78"
		Open Jon Boats		14' - 16'	78"
		Drift Boats		14' - 16'	78"
457-79002	79002	V-Hull Runabouts I/O or O/B		14' - 16'	86"
		Tri-Hull Boats I/O or O/B		14' - 16'	86"
		Tri-Hull Bass Boats		14' - 16'	86"
457-79003	79003	Fish & Ski Boats I/O or O/B		16' - 19'	96"
		Wide Bass Boats		16' - 19'	96"
		Tournament Ski Boats		16' - 19'	96"
457-79004	79004	V-Hull Boats I/O or O/B		17' - 19'	96"
		Tri-Hull Boats I/O or O/B		17' - 19'	96"
457-79005	79005	V-Hull Runabout Boats I/O or O/B		20' - 21'	102"
457-79010	79010	V-Hull Runabout Boats I/O or O/B		22' - 23'	102"
457-79006	79006	V-Hull Low-Profile Cuddy Cabin Boats I/O or O/B		19' - 22'	102"
457-79011 or 457-79012	79011 79012	V-Hull CC Fishing Boats w/ High Bow Rails V-Hull CC Fishing Boats with Shallow Draft Hull Bay Style CC Fishing Boats with Shallow Draft Hull		17' - 19' 20" - 22"	102" 102"
457-79009	79009	Pontoon Boats		20' - 22'	102"

STYLED-TO-FIT® TRAILERABLE BOAT COVERS

- "Semi-Custom" boat covers are highly fitted to accommodate the primary characteristics of the boat style
- Designed to accommodate all popular hull styles & boat configurations
- 1/4" strong, durable shock cord encased in the hem for a snug fit
- Great for travel, mooring & storage

CARVER by COVERCRAFT

MATERIAL: POLY-FLEX II - OPTION #1
Colour - SLATE GRAY

Features:

- Economically-priced 5.3 oz. 100% Solution-Dyed Marine Polyester with polyurethane finish coating
- 300 Denier x 300 Denier
- Poly-Flex II colors are part of the polyester fiber itself the colour goes completely through the fiber instead of being just on the surface
- Lightweight and strong
- Good resistance to tearing, fading and rot
- Good sun blockage
- Durable water repellency, UV and mildew resistant finish
- Breathable to help allow interior moisture to escape
- Covers are trailerable when secured to trailer with included Tie Down Kit (CC Order # 457-61000). (1) kit includes: 12 tie-down straps - If the boat is 20' or larger, we recommend an additional tie-down kit.
- NOTE: Motor covers are sewn into the outboard boat covers; some designs come with a separate motor cover
- **3 Year Limited Warranty**

MATERIAL: Sun-DURA® - OPTION #2
Colour - MIST GRAY

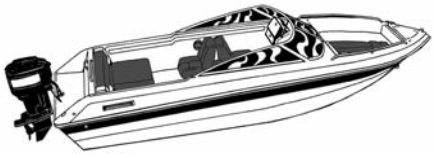
Features:

- 100% Solution Dyed Polyester means colors are part of the polyester fiber itself, rather than the dye adhering only to the surface of the fibers
- 7.6 oz. marine grade polyester that offers superior resistance to harmful UV rays, fading, mildew, tearing & overall wear-&-tear
- Our own unique finish provides exceptional water repellency while maintaining breathability for the health of the boat
- Covers are trailerable when secured to trailer with included Tie Down Kit (CC Order # 457-61000). (1) kit includes: 12 tie-down straps - If the boat is 20' or larger, we recommend an additional tie-down kit.
- NOTE: Motor covers are sewn into the outboard boat covers; some designs come with a separate motor cover
- **7 Year Limited Warranty**

STYLED-TO-FIT COVERS - V-HULL RUNABOUTS BOATS (INCLUDING EURO STYLE) with WINDSHIELD & HAND OR BOW RAILS - OUTBOARDS

ORDER NO.	Mfr. No.	Boat Types	Centerline Length	Max Beam Width	Material
457-77016-10PF	77016F-10	V-Hull R-A-B O/B	16' 6"	86"	Poly-Flex II
457-77017-10PF	77017F-10	V-Hull R-A-B O/B	17' 6"	90"	Poly-Flex II
457-77018-10PF	77018F-10	V-Hull R-A-B O/B	18' 6"	96"	Poly-Flex II
457-77019-10PF	77019F-10	V-Hull R-A-B O/B	19' 6"	96"	Poly-Flex II
457-77020-10PF	77020F-10	V-Hull R-A-B O/B	20' 6"	102"	Poly-Flex II

Attached motor cover. (Outboard only.)



STYLED-TO-FIT COVERS - V-HULL RUNABOUTS BOATS (INCLUDING EURO STYLE) with WINDSHIELD & HAND & BOW RAILS - INBOARD / OUTBOARD

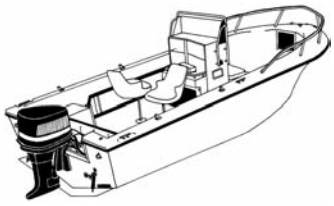
ORDER NO.	Mfr. No.	Boat Types	Centerline Length	Max Beam Width	Material
457-77117-10PF	77117F-10	V-Hull R-A-B I/O	17' 6"	90"	Poly-Flex II
457-77118-10PF	77118F-10	V-Hull R-A-B I/O	18' 6"	96"	Poly-Flex II
457-77119-10PF	77119F-10	V-Hull R-A-B I/O	19' 6"	96"	Poly-Flex II
457-77120-10PF	77120F-10	V-Hull R-A-B I/O	20' 6"	102"	Poly-Flex II
457-77121-11SD	77121S-11	V-Hull R-A-B I/O	21' 6"	102"	Sun DURA®
457-77123-11SD	77123S-11	V-Hull R-A-B I/O	23' 6"	102"	Sun DURA®

Designed for V-Hull runabout boats (including Euro-style) with windshield & hand or bow rails.

STYLED-TO-FIT COVERS - V-HULL CENTER CONSOLE FISHING BOATS with HIGH BOW RAILS - OUTBOARDS

ORDER NO.	Mfr. No.	Boat Types	Centerline Length	Max Beam Width	Material
457-70017-11SD	70017S-11	V-Hull Center Con. Fishing Boat	17' 6"	92"	Sun DURA®
457-70018-11SD	70018S-11	V-Hull Center Con. Fishing Boat	18' 6"	96"	Sun DURA®

Accommodates console height up to 54" from deck. Each cover has an attached motor cover. (Outboard only.)



For more information see: www.carvercovers.com

CARVER by COVERCRAFT

STYLED-TO-FIT® TRAILERABLE BOAT COVERS CONTINUED

MATERIAL: POLY-FLEX II - OPTION #1
Colour - SLATE GRAY

MATERIAL: Sun DURA® - OPTION #2
Colour - MIST GRAY

See Top of Page 731 for Material Description

STYLED-TO-FIT® COVERS
SKI BOATS with LOW PROFILE WINDSHIELD - INBOARD / OUTBOARD

ORDER NO.	Mfr. No.	Boat Types	Centerline Length	Max Beam Width	Material
457-74118-10PF	74118F-10	Ski Boats Low Profile Windshield	18' 6"	88"	Poly-Flex II

STYLED-TO-FIT® COVERS
WIDE BASS BOATS - OUTBOARDS

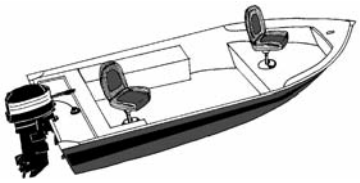
ORDER NO.	Mfr. No.	Boat Types	Centerline Length	Max Beam Width	Material
457-77221-11SD	77221S-11	Wide Bass Boats	21' 6"	96"	Sun DURA®

Coverage is provided for trolling motor, depth finders & pedestal seats. Accommodates windscreen up to 12".Each cover has an attached motor cover. NOTE: If boat is equipped with jack plate, add length of jack plate to the centerline of boat to determine correct size of cover. (Outboard only.)

STYLED-TO-FIT® COVERS
V-HULL FISHING BOATS (WIDE SERIES) - OUTBOARD

ORDER NO.	Mfr. No.	Boat Types	Centerline Length	Max Beam Width	Material
457-71114-10PF	71114F-10	V-Hull Fishing Boat	14' 6"	72"	Poly-Flex II
457-71116-10PF	71116F-10	V-Hull Fishing Boat	16' 6"	76"	Poly-Flex II

Each cover has an attached motor cover. (Outboard only.)



STYLED-TO-FIT® COVERS
V-HULL FISHING BOATS with SIDE CONSOLES w/WIND SCREEN - OUTBOARD

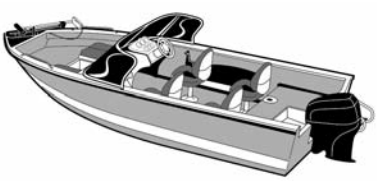
ORDER NO.	Mfr. No.	Boat Types	Centerline Length	Max Beam Width	Material
457-72215-10PF	72215F-10	V-Hull Fishing Boat	15' 6"	76"	Poly-Flex II
457-72216-10PF	72216F-10	V-Hull Fishing Boat	16' 6"	92"	Poly-Flex II

Each cover has an attached motor cover. Coverage provided for bow mounted trolling motor & side console with windscreen. Coverage accommodates height up to 14". (Outboard only.)

STYLED-TO-FIT® COVERS
ALUMINUM V-HULL FISHING BOATS with WALK-THRU WINDSHIELD (WIDE SERIES) - OUTBOARD

ORDER NO.	Mfr. No.	Boat Types	Centerline Length	Max Beam Width	Material
457-72316-10PF	72316F-10	Alum V-Hull Fishing Boat with WS - OB	16' 6"	100"	Poly-Flex II
457-72317-10PF	72317F-10	Alum V-Hull Fishing Boat with WS - OB	17' 6"	100"	Poly-Flex II
457-72318-10PF	72318F-10	Alum V-Hull Fishing Boat with WS - OB	18' 6"	100"	Poly-Flex II

Coverage is provided for bow mounted trolling motor. Cover accomodates windshield height up to 24". Each cover has an attached motor cover. (Outboard only.)



CARVER by COVERCRAFT

STYLED-TO-FIT® TRAILERABLE BOAT COVERS CONTINUED

MATERIAL: POLY-FLEX II - OPTION #1
Colour - SLATE GRAY

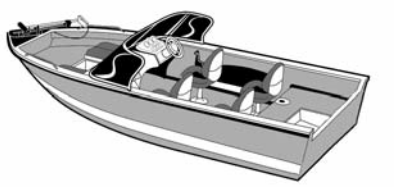
MATERIAL: Sun DURA® - OPTION #2
Colour - MIST GRAY

See Top of Page 731 for Material Description

STYLED-TO-FIT® COVERS
ALUMINUM V-HULL FISHING BOATS with WALK-THRU WINDSHIELD (WIDE SERIES) - INBOARD / OUTBOARD

ORDER NO.	Mfr. No.	Boat Types	Centerline Length	Max Beam Width	Material
457-72418-10PF	72418F-10	Alum V-Hull Fishing Boat with WS - I/O	18' 6"	100"	Poly-Flex II

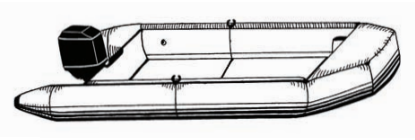
Coverage is provided for bow mounted trolling motor. Cover accommodates windshield height up to 24".



STYLED-TO-FIT® COVERS
BLUNT NOSE INFLATABLE BOATS - OUTBOARD

ORDER NO.	Mfr. No.	Boat Types	Centerline Length	Max Beam Width	Material
457-78660-10PF	7INF8BF-10	Blunt Nose Inflatable - OB	8' 6"	60"	Poly-Flex II
457-79660-10PF	7INF9BF-10	Blunt Nose Inflatable - OB	9' 6"	60"	Poly-Flex II
457-71066-10PF	7INF10BF-10	Blunt Nose Inflatable - OB	10' 6"	66"	Poly-Flex II
457-71168-10PF	7INF11BF-10	Blunt Nose Inflatable - OB	11' 6"	68"	Poly-Flex II
457-71270-10PF	7INF12BF-10	Blunt Nose Inflatable - OB	12' 6"	70"	Poly-Flex II

Designed to fit boats with outboard motor attached. (Outboard only.)



CARVER by COVERCRAFT

For more information see:
www.carvercovers.com

BIMINI TOPS

BIMINI TOPS - 46" / 36" HEIGHT

Round Aluminum Frame / Sunbrella® Outdura® Fabric / Matching Storage Boot included

*** All 46" Height Bimini Top tubing can easily be cut down from 46" to 36" Height**

CARVER 3-BOW ROUND TUBE BIMINI TOP 46" / 36" x 6'

COMPLETE TOP KIT, READY TO ASSEMBLE - UPS-ABLE with MATCHING STORAGE BOOT

- Ideal for Day Cruisers, Cuddy Cabin Boats, Bass Boats, Fish & Ski Boats, V-Hull Fishing Boats w/side console walk-thru windshield, Walk-Around Cuddy Boats, Whaler Style Boats

ORDER NO.	Mfr. No.	# Bows	Height	Width	Length	Sunbrella® Outdura® Colour
457-04669-1	A4669UB-1	3	46"*	67"-72"	6'	Charcoal
457-04669-2	A4669UB-2	3	46"*	67"-72"	6'	Jet Black
457-04669-4	A4669UB-4	3	46"*	67"-72"	6'	Pacific Blue
457-04669-5	A4669UB-5	3	46"*	67"-72"	6'	Captain Navy
457-04669-7	A4669UB-7	3	46"*	67"-72"	6'	Jockey Red
457-04669-10	A4669UB-10	3	46"*	67"-72"	6'	Cadet Gray
457-04675-1	A4675UB-1	3	46"*	73"-78"	6'	Charcoal
457-04675-2	A4675UB-2	3	46"*	73"-78"	6'	Jet Black
457-04675-4	A4675UB-4	3	46"*	73"-78"	6'	Pacific Blue
457-04675-5	A4675UB-5	3	46"*	73"-78"	6'	Captain Navy
457-04675-7	A4675UB-7	3	46"*	73"-78"	6'	Jockey Red
457-04675-10	A4675UB-10	3	46"*	73"-78"	6'	Cadet Gray
457-04681-1	A4681UB-1	3	46"*	79"-84"	6'	Charcoal
457-04681-2	A4681UB-2	3	46"*	79"-84"	6'	Jet Black
457-04681-4	A4681UB-4	3	46"*	79"-84"	6'	Pacific Blue
457-04681-5	A4681UB-5	3	46"*	79"-84"	6'	Captain Navy
457-04681-7	A4681UB-7	3	46"*	79"-84"	6'	Jockey Red
457-04681-10	A4681UB-10	3	46"*	79"-84"	6'	Cadet Gray

BIMINI TOPS - 54" HEIGHT Round Aluminum Frame / Sunbrella® Outdura® Fabric / Matching Storage Boot included

CARVER 3-BOW ROUND TUBE BIMINI TOP 54" x 6'

COMPLETE TOP KIT, READY TO ASSEMBLE - UPS-ABLE with MATCHING STORAGE BOOT

- Ideal for Center Console Fishing Boats, Whaler Style Boats, and Center Console Bay Style Boats

ORDER NO.	Mfr. No.	# Bows	Height	Width	Length	Sunbrella® Outdura® Colour
457-05469-1	A5469UB-1	3	54"	67"-72"	6'	Charcoal
457-05469-2	A5469UB-2	3	54"	67"-72"	6'	Jet Black
457-05469-4	A5469UB-4	3	54"	67"-72"	6'	Pacific Blue
457-05469-5	A5469UB-5	3	54"	67"-72"	6'	Captain Navy
457-05469-7	A5469UB-7	3	54"	67"-72"	6'	Jockey Red
457-05469-10	A5469UB-10	3	54"	67"-72"	6'	Cadet Gray
457-05475-1	A5475UB-1	3	54"	73"-78"	6'	Charcoal
457-05475-2	A5475UB-2	3	54"	73"-78"	6'	Jet Black
457-05475-4	A5475UB-4	3	54"	73"-78"	6'	Pacific Blue
457-05475-5	A5475UB-5	3	54"	73"-78"	6'	Captain Navy
457-05475-7	A5475UB-7	3	54"	73"-78"	6'	Jockey Red
457-05475-10	A5475UB-10	3	54"	73"-78"	6'	Cadet Gray
457-05481-1	A5481UB-1	3	54"	79"-84"	6'	Charcoal
457-05481-2	A5481UB-2	3	54"	79"-84"	6'	Jet Black
457-05481-4	A5481UB-4	3	54"	79"-84"	6'	Pacific Blue
457-05481-5	A5481UB-5	3	54"	79"-84"	6'	Captain Navy
457-05481-7	A5481UB-7	3	54"	79"-84"	6'	Jockey Red
457-05481-10	A5481UB-10	3	54"	79"-84"	6'	Cadet Gray

For more information see: www.carvercovers.com

CARVER by COVERCRAFT

CARVER BIMINI TOP FABRIC OPTIONS

Sunbrella or OutDura®

- Premium 100% Solution Dyed Marine Acrylic 9.25 oz Fabric utilizing either Sunbrella® or Outdura®
- Both fabric brands are considered to be industry leading solutions for the marine industry with competitive quality, performance & value
- Both are highly UV & mildew resistant, providing excellent resistance to fading & rot, excellent (top of the line) sun blockage, breathability, & water repellency
- Trailerable
- 20 colours available by manufacturer
- **Carver reserves the right to provide either fabric depending on current availability**
- **10 Year Limited Warranty on Sunbrella® and Outdura®**

Vinyl

- Weatherproof vinyl
- 14 oz. with charcoal denim backing
- Waterproof, all-weather finish
- Resistant to dirt, grease and mildew.
- Excellent sun blockage
- Easy to handle, fold, & store
- **Excellent Quality 5-Year Warranty**

BIMINI TOPS - 2 BOW - 42" HEIGHT
COMPLETE - READY-TO-ASSEMBLE / UPS-ABLE

Features:

- Complete with both canvas & frame included
- Double-walled main bow for added strength
- High grade domestic nylon fittings, standard
- Heavy-duty type 316 stainless steel snap hooks & eye straps
- Stainless steel adjuster buckles & assembly fasteners
- Canvas binding is 100% marine-grade acrylic
- Heavy duty marine grade zipper on storage boot won't corrode
- Weather resistant anti-wick thread used throughtout canvas construction
- Professional stitching, no raw edges

2 BOW ROUND TUBE BIMINI TOP - 42" x 5'6" COMPLETE TOP KIT
COMPLETE - READY-TO-ASSEMBLE / UPS-ABLE

- Ideal for V-Hull Fishing Boats, Jon Style Fishing Boats, Open Jon Boats, Inflatable Boats
- Complete kit includes: Aluminum Frame, Vinyl Fabric / Zippered Matching Storage Boot Included

ORDER NO.	Mfr. No.	# Bows	Height	Width	Length	Vinyl Colour
457-42570	V4257UB	2	42"	53"-62"	5'6"	White
457-42670	V4267UB	2	42"	63-73""	5'6"	White

CARVER by COVERCRAFT

For more information see: www.carvercovers.com

CARVER by COVERCRAFT

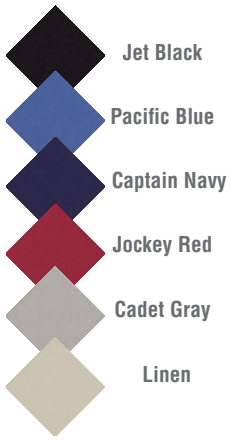
sunbrella outdura

CARVER 4-BOW SQUARE TUBE PONTOON BIMINI TOP 48" X 8'

COMPLETE TOP KIT, READY TO ASSEMBLE - UPS-ABLE
Square Aluminum Frame / Sunbrella® Outdura® Fabric
with MATCHING STORAGE BOOT

Designed for pontoon boats. The tough, rigid 1" square satin-finish tube complements the rails on the pontoon boat. All 4-bow square tube bimini tops come with an attached rear brace kit with quick release pins, high grade domestic nylon fittings and a matching zippered storage boot. Comes with full sleeves without zippers, and does not have a cutout for a running light.

ORDER NO.	Mfr. No.	# Bows	Height	Width	Length	Sunbrella® Outdura® Colour
457-84932-2	A(8SQ)4893UB-2	4	48"	96"-102"	8'	Jet Black
457-84932-4	A(8SQ)4893UB-4	4	48"	96"-102"	8'	Pacific Blue
457-84932-5	A(8SQ)4893UB-5	4	48"	96"-102"	8'	Captain Navy
457-84932-7	A(8SQ)4893UB-7	4	48"	96"-102"	8'	Jockey Red
457-84932-10	A(8SQ)4893UB-10	4	48"	96"-102"	8'	Cadet Grey
457-84932-12	A(8SQ)4893UB-12	4	48"	96"-102"	8'	Linen



BIMINI TOP ACCESSORIES

BIMINI TOP BRACE KITS

Specifically designed to hold your top up and out of the way when top is folded and not in use.
Each package contains 2 braces which can be cut down to desired length, 2 deck hinges, 2 unique hinged jaw slides that make installation easy by eliminating the need to disassemble the main bow, and 2 pole clips to secure the braces to the bimini frame and eliminate rattling while top is folded down for travel or storage.
All screws necessary for mounting are included. ***(1 pair per package)***

ORDER NO.	Mfr. No.	Description
457-62010	62010	Aluminum Brace Kit - 48" Round Tube - 7/8"
457-62014	62014	Aluminum Brace Kit - Adj. 22"-44" Round Tube - 7/8"
457-62016	62016	Aluminum Brace Kit - 48" Square Tube - 1"

CARVER by COVERCRAFT

For more information see: www.carvercovers.com

CARVER by COVERCRAFT

BOAT COVER ACCESSORIES

CARVER BOAT COVER TIE DOWN KIT

AN ABSOLUTE MUST FOR PROTECTING YOUR BOAT AND EXTENDING THE LIFE OF YOUR BOAT COVER!

This is an effective, efficient way to secure your boat cover when trailering. Constructed of heavy duty 1" black polypropylene webbing and convenient quick-release buckles. Unlike bungee cords, these durable tie down straps don't stretch, so they won't tear your cover or damage your boat.

Each kit contains (12) 12-foot straps

ORDER NO.	Mfr. No.
457-61000	61000

CARVER BOAT SUPPORT POLES with BOAT VENT II

Added breathability for the health of your boat. Replace a conventional support pole with one that provides an air vent to reduce moisture, heat and mildew under the cover. Includes an adjustable (22" to 70") anodized aluminum pole, boat vent and simple installation instructions.

Packaged (1) per box

ORDER NO.	Mfr. No.
457-60002	60002

CARVER BOAT COVER REINFORCEMENT

This repair kit is an ideal way to prolong the life of your boat cover. Kit includes one square yard self adhesive material. Use it to add extra padding to stress points from windshields, trolling motors, etc. Simply cut to desired size and apply to clean, dry surface.

ORDER NO.	Mfr. No.
457-61050	61050

BOAT VENT II ONLY

Protect your investment with this fast and easy-to-install Boat Vent II. The Boat Vent II can be added to any custom or styled-to-fit boat cover. Made with UV inhibited polymers to withstand the elements. Prolongs the life of the boat's upholstery by venting the enclosed space of the warm, moist air. Boat Vent II helps prevent mold, mildew, and bacteria from growing under the boat cover and causing irreversible damage to the boat's interior. Can be used alone or with most standard 3/4" support poles.

ORDER NO.	Mfr. No.
457-00000	VENTII

CARVER BOAT SUPPORT POLES with SNAP & VINYL END

Prevents dry rot and mildew. These lightweight telescoping poles are designed to support your cover so that water does not pool. Constructed of anodized aluminum tubing that can be adjusted to desired height from 22" to 70". Additional vinyl end included. ***Packaged (1) per box***

ORDER NO.	Mfr. No.
457-60000	60000

PRIVACY CURTAIN

Great for use as a changing room or portable potty enclosure. Made with Poly-Flex II, 100% marine-grade polyester and non-corrosive marine-grade zipper. Attaches to bimini top with 1" polypropylene straps with quick release buckles. Height is adjustable up to 60"

(1 per package)

ORDER NO.	Mfr. No.
457-53009	53009

CARVER by COVERCRAFT

BIMINI TOP ACCESSORIES

BIMINI TOP SLIDE TRACK KITS

Designed to allow a retracted top to slide into storage position, this is an alternative to a brace kit. Hardware is included to accommodate standard mounting or side mounting.
Each aluminum slide track kit includes 2 slide tracks,
2 sliding deck hinges with combined slide locks,
2 sidemount sliding deck hinges, 2 side locks,
4 end caps, and all necessary screws for mounting.
(1 pair per package)

ORDER NO.	Mfr. No.	Description
457-62000	62000	24" Slide Track Kit
457-62001	62001	36" Slide Track Kit

10" TRAILERING STRUTS
ALUMINUM with NYLON FITTINGS

Keep your bimini top secure while trailering. Fits any 7/8" round tube bimini top frame.
Two 10" long struts can be cut down to desired length and are easy to install.
All installation hardware included.
(1 pair per package)

ORDER NO.	Mfr. No.
457-62005	62005

UNIVERSAL MOTOR COVERS

Universal Motor Covers are a great option if you are upgrading your motor or simply need a replacement motor cover. Each motor cover has 1/4" draw rope sewn into the hem for easy installation and snug fit.

Material: Poly-Flex II®

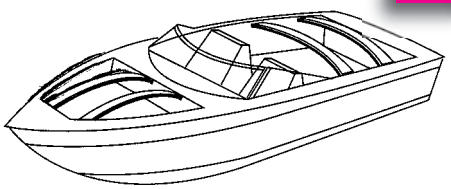
- Economically-priced 5.3 oz. 100% Solution-Dyed Marine Polyester with polyurethane finish coating
- 300 Denier x 300 Denier
- Poly-Flex II® colors are part of the polyester fiber itself so the color goes completely through the fiber instead of being just on the surface
- Lightweight and strong
- Good resistance to tearing, fading & rot
- Good sun blockage
- Durable water repellency
- UV & mildew resistant finish
- Breathable to help allow interior moisture to escape

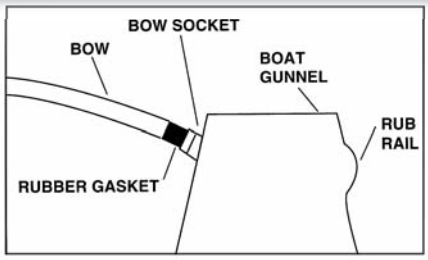
3 Year Limited Warranty

Colour: Slate Gray

ORDER NO.	Mfr. No.	Description	Length	Height	Width
457-70000-10PF	70000F-10	MH-5 HP	18	10"	12"
457-70001-10PF	70001F-10	MH-10-35 HP	20"	20"	14"
457-70002-10PF	70002F-10	MH-40-70 HP	25"	18"	15"
457-70003-10PF	70003F-10	MH-100 HP	25"	26"	19"
457-70005-10PF	70005F-10	MH-150 HP	31"	29"	18"
457-70006-10PF	70006F-10	MH-200-250 HP	30"	40"	24"
457-70007-10PF	70007F-10	MH-350 HP	41"	40"	26"

BOAT COVER SUPPORT ACCESSORIES





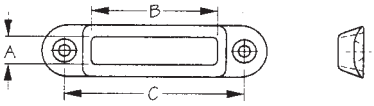
BOAT COVER SUPPORT SYSTEMS

Bows mounted in bow sockets are the sure and easy way to KEEP a boat cover taut and free from water collecting pockets.

SEADOG LINE QUALITY MARINE GEAR

BOW SOCKET

Die Cast Zinc Chrome Plated

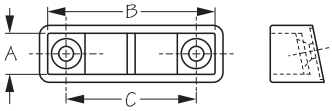


A = 3/8", B = 1-13/16"
C = 2-9/16"
Fastener: #8 FH

Mfr. No. 327415-1
ORDER NO. 423-27415 (Pair)

DECK MOUNT BOW SOCKET (White)

Injection Molded Nylon



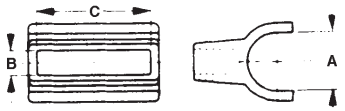
A = 7/16", B = 2"
C = 1-5/8"
Fastener: #10 FH

Mfr. No. 327410-1
ORDER NO. 423-27410 (Pair)

Recessed base design allows for a water-tight seal without the use of gaskets.

RAIL MOUNT BOW SOCKET

Injection Molded Nylon



A = 7/8", B = 3/8", C = 1-11/16"
Mfr. No. 327400-1

ORDER NO. 423-27400 (Pair)

Designed to fit snugly on a 7/8" round rail without the use of fasteners.
The Rail Mount Bow Sockets aid in assembling a rounded support structure for a cover and can be easily removed from the boat when the cover is not in use.

For more information see: www.sea-dog.com

attwood

WOODEN BOW

Support bows create arch support for boat cover.
Finished hardwood.
Width: 1-3/8" Length: 8' Beam: 92"

ORDER NO. 102-20880
Mfr. No. 10702-1

For more information see: www.attwoodmarine.com

Taylor Made

FIBERGLASS BOW

Super strong and flexible. Will not take a "set".
Cut to desired length. Shipped with rubber end covers to grab socket.

ORDER NO. 109-09240 - 72" x 1-1/4" x 3/16"
ORDER NO. 109-09260 - 96" x 1-1/4" x 3/16"

DIE CAST BOW SOCKETS

Bows mounted in bow sockets are the sure and easy way to keep a boat cover taut and free from water-collecting pockets. Sockets can be mounted on any rail system. Rubber gasket provides snug fit for fiberglass bows. Accepts any bow. Chrome Plated.

ORDER NO. 109-09350 (Pair)

For more information see: www.taylormadeproducts.com

BOAT COVER BOWS

Made of heavy duty Fiberglass, these strong flexible bows will hold up even the heaviest boat covers and prevent pools of water from forming.
Easy to cut if a custom fit is desired. Includes 1 set of bow sockets.

ORDER NO.	Mfr. No.	Description
112-91603	DE91603F	Fiberglass Bow Set - 6 ft. (2-3'), Grey 1-9/16", includes S/S slat connector
112-91604	DE91604F	Fiberglass Bow Set - 8 ft. (2-4'), Grey 1-9/16", includes S/S slat connector

For more information see: www.dockedge.com

DOCK EDGE

BOAT COVER SUPPORT POLES

36"- 64" SUPER BOAT COVER SUPPORT POLE

This fully adjustable support pole is 3 support poles in one!
We supply a male canvas snap, a grommet tip, and a plain end cap with this Super Support Pole. So, if you have a female canvas snap or a grommet on your boat cover, you can get a support that will work with your cover. The pole is aluminum, with a durable plastic adjuster to set the correct height for your cover.

ORDER NO. 101-11992 Mfr. No. 11992

For more information see:
www.taylormadeproducts.com

BOAT COVER SUPPORT POLE BASE PAD

Base is designed for use with all 7/8" diameter (bottom pole) support poles. Fits #'s 11991 & 11992. Bottom pad is made for EPDM to provide additional friction to hold pole in place against the deck versus the crutch tip design. Base has a swivel capability that allows the pole to be positioned at just the right angle for your application. Simply remove the bottom tip from your existing support pole and insert over adapter to secure. Sold individually.

ORDER NO. 101-11976 Mfr. No. 11976

36"- 64" ADJUSTABLE BOAT COVER SUPPORT POLE

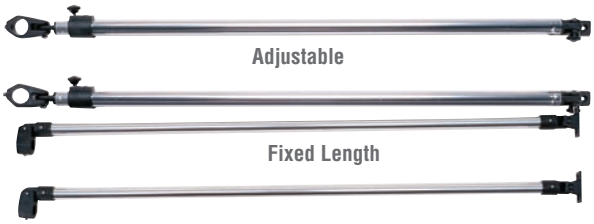
Extend the life of your boat cover by preventing water from pooling on top. Our standard boat cover support pole has a non-marring tip on each end of a telescoping aluminum tube. A durable plastic knob allows for easy adjustment of the height.

ORDER NO. 101-11991 Mfr. No. 11991

BIMINI SUPPORT POLES

Keep your Bimini BoaTop® off the gunwales with a pair of bimini support poles. Available in adjustable or fixed lengths, use these poles to replace your rear straps and keep your top "up and out of the way." Two jaw slides (7/8") and deck hinge are included.
Sold in pairs.

ORDER NO.	Mfr. No.	Description
101-11995	11995	Adjustable Support Poles, 28" x 48"
101-11989	11989	Fixed Support Poles, 40" Length



Caution: These poles should never be used to replace the front support straps. Only the rear straps should be replaced with adjustable support poles. Do not exceed 35 miles per hour while using adjustable Bimini top support poles.

QUICK-ON TIE DOWN KIT

8 Pack

- Holds even pressure on tie down loops
- Simple & secure way to attach tie down straps to boat cover
- Works on all 1" webbing loops and buckles
- Durable quick release buckle
- 8 ft. length

ORDER NO. 105-55748

TARP CLIP

Powerful locking jaws provide ultimate gripping power. Quick and Easy to use. Made from tough reinforced Nylon.
ORDER NO. 382-03000 (4 Pack)
ORDER NO. 382-03010 (60 Pack)

- Tarps, Temporary Shelters
- Boat and Automobile Covers
- Motor Home Awnings
- Emergency Tent Repairs
- Swimming Pool covers
- Golf Towels

For more information see: www.scotty.com

BOAT COVER REPAIR KIT

Total of 24 PIECES

- Canvas tool • Snap extenders (Extend A Snap)
- Screw studs • Buttons • Sockets
- Screw studs

ORDER NO. 561-01400

For more information see:
www.handimanmarine.com

attwood

DELUXE BOAT COVER SUPPORT SYSTEM

One of the best cover support systems on the market. Provides an easily adjustable, effective boat cover support to keep water from accumulating in the center of the boat cover. Extends the life of any boat cover by as much as 50%. The support uses a telescoping center pole (28" to 48") and polyweb straps with bow spreader to form a double ridge line under the cover. The pole rests on a rubber foot and the web straps attach to the stern with non-marring hooks.

- Aluminum pole: 1" diameter
- Polyweb straps: 1" wide, black

For Boats up to 19 ft.
Mfr. No. 10795-4
ORDER NO. 101-10795

For more information see: www.attwoodmarine.com

CAMCO

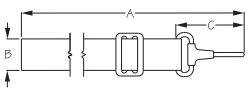
BOAT COVER SUPPORT KIT - ANTI-POOLING

Helps maintain the quality of your boat cover.

- Telescoping support system that keeps your boat cover from sagging and allowing water to pool in low places
- Heavy-duty telescoping handle locks in place
- Nylon strap assembly is 50-ft long and fits most boats up to 22 feet in length
- Adjusts from 30" to 50"
- Self-standing with support plates on the top & bottom foam pad to prevent sliding
- Easy to install, stores compactly
- BONUS Boat hook included

Mfr. No. 41970
ORDER NO. 668-41970

SEA-DOG LINE
QUALITY MARINE GEAR



BIMINI STRAP

Nylon/Stainless

ORDER NO.	Mfr. No.	A	B	C	Colour
422-98172	298172-1	8'	1"	2-1/8"	Black
422-98272	298272-1	8'	1"	2-1/8"	White

Sold in Pairs

For more information see: www.sea-dog.com

Taylor Made

BOAT COVER SUPPORT SYSTEM

Extend the life of your boat cover by preventing water from pooling. The system includes 50 feet of webbing, quick release buckles, a boat cover support pole that snaps to the webbing, and two hooks to attach to the transom.

Mfr. No. 55741
ORDER NO. 105-55741

Taylor Made

TURN LATCH

A simple twist latch for securing walk-thru windshields or other hatch openings. Black thermo-plastic complete with self-tapping screws.

Mfr. No. 1162
ORDER NO. 111-11620 (2/Pkg.)

Taylor Made

ADJUSTABLE SIDE VENT HANDLE

Designed to replace most original handles on the side vent windows. Easy installation. Designed to fit side windows having exactly 1/4" mounting hole.
Sold in pairs-left & right

Mfr. No. 11616
ORDER NO. 101-11610

For more information see: www.taylormadeproducts.com

SEA-DOG LINE QUALITY MARINE GEAR

BOAT TOP HARDWARE

TOP FITTINGS - Injection Molded Nylon

273101

273160

273101

273163

273165

273176

273180

ORDER NO.	Mfr. No.	Description	Colour	Tube O.D.*	Pin Size
422-73100 (pr.)	273100-1	Top Cap	Black	7/8"	1/4"
422-73101 (pr.)	273101-1	Top Cap	White	7/8"	1/4"
422-73110 (pr.)	273110-1	Top Cap	Black	3/4"	1/4"
422-73111 (pr.)	273111-1	Top Cap	White	3/4"	1/4"
422-73160 (pr.)	273160-1	Jaw Slide	Black	7/8"	3/16"
422-73161 (pr.)	273161-1	Jaw Slide	White	7/8"	3/16"
422-73162 (each)	273162-1	Hinged Jaw Slide w/Bolt	Black	7/8"	1/4"
422-73163 (each)	273163-1	Hinged Jaw Slide w/Bolt	White	7/8"	1/4"
422-73165 (pr.)	273165-1	Jaw Slide	Black	3/4"	3/16"
422-73166 (pr.)	273166-1	Jaw Slide	White	3/4"	3/16"
422-73175 (pr.)	273175-1	Top Insert	Black	3/4"	1/4"
422-73176 (pr.)	273176-1	Top Insert	White	3/4"	1/4"
422-73180 (pr.)	273180-1	Top Insert	Black	7/8"	1/4"
422-73181 (pr.)	273181-1	Top Insert	White	7/8"	1/4"

**** Stainless tube wall thickness .049"***

HINGE FITTINGS - Injection Molded Nylon

273200

273206

273230

273241

ORDER NO.	Mfr. No.	Description	Colour	Base Width	Base Length	Fastener	Pin Size
422-73200 (pr.)	273200-1	Large Deck Hinge	Black	13/16"	2-7/16"	3/16"	#10 FH
422-73201 (pr.)	273201-1	Large Deck Hinge	White	13/16"	2-7/16"	3/16"	#10 FH
422-73205 (pr.)	273205-1	Small Deck Hinge	Black	13/16"	2-3/8"	3/16"	#10 FH
422-73206 (pr.)	273206-1	Small Deck Hinge	White	13/16"	2-3/8"	3/16"	#10 FH
422-73230 (pr.)	273230-1	Large Deck Hinge/Angled	Black	7/8"	2-7/16"	3/16"	#10 FH
422-73231 (pr.)	273231-1	Large Deck Hinge/Angled	White	7/8"	2-7/16"	3/16"	#10 FH
422-73240 (pr.)	273240-1	Concave Deck Hinge	Black	13/16"	2-7/16"	3/16"	#10 FH
422-73241 (pr.)	273241-1	Concave Deck Hinge	White	13/16"	2-7/16"	3/16"	#10 FH

**** Stainless tube wall thickness .049"***

TRACK FITTING

ORDER NO.	Mfr. No.	Description	Colour	Base Width	Base Length
422-73213* / ea.	273213-1	.85 Track End Cap Stop	Black	7/8"	1-1/4"
422-73220 (pr.)	273220-1	.85 Track Slide	Black	11/16"	2-3/8"

**** Fastener #8 FH***

273220

273560

SQUARE TUBE FITTING

ORDER NO.	Mfr. No.	Description	Tube Dimensions	Pin Size	Pin/Screw Part #
422-73560/ ea	273560-1	Square Tube Top Slide, Black	1" x 1" (outside)	3/16"	OP27301
422-73561/ ea	273561-1	Square Tube Top Slide, White	1" x 1" (outside)	3/16"	OP27301
422-73580/ ea	273580-1	Square Tube Top Insert, Black	7/8" x 7/8"(inside)	1/4"	N/A
422-73581/ ea	273581-1	Square Tube Top Insert, White	7/8" x 7/8"(inside)	1/4"	N/A

273580

BOAT TOP HARDWARE

HINGE FITTINGS - Injection Molded Nylon

273251

273255

273261

273265

273280

273270
Actual Colour is Black

273285

273295

ORDER NO.	Mfr. No.	Description	Colour	Base Width	Base Length #	Pin Size
422-73250 (pr.)	273250-1	Deck Hinge	Black	7/8"	2-7/16"	1/4"
422-73251 (pr.)	273251-1	Deck Hinge	White	7/8"	2-7/16"	1/4"
422-73255 (pr.)	273255-1	Four Hole Side Mount Deck Hinge	Black	1-3/4"	2"	1/4"
422-73256 (pr.)	273256-1	Four Hole Side Mount Deck Hinge	White	1-3/4"	2"	1/4"
422-73260 (pr.)	273260-1	Side Mount Slide - .850 track	Black	7/8"	2-1/4"	1/4"
422-73261 (pr.)	273261-1	Side Mount Slide - .850 track	White	7/8"	2-1/4"	1/4"
422-73265 (pr.)	273265-1	Side Mount Slide - 1.050 track	Black	1"	2-1/4"	1/4"
422-73270 (pr.)	273270-1	Deck Hinge Slide - .850 track	Black	7/8"	2-7/16"	3/16"
422-73285 (pr.)	273285-1	Deck Hinge Slide - .850 track - Stbd & Prt	Black	7/8"	2-7/16"	3/16"
422-73286 (pr.)	273286-1	Deck Hinge Slide - .850 track - Stbd & Prt	White	7/8"	2-7/16"	3/16"
422-73295 (pr.)	273295-1	.85 Track Slide Lock	Black	11/16"	13/16"	n/a
422-73296 (pr.)	273296-1	.85 Track Slide Lock	White	11/16"	13/16"	n/a

NOTE: 422-73255 & 422-73256 Use #10 FH Fasteners.

HEAD SCREWS & CONNECTORS - Injection Molded Nylon

273298

ORDER NO.	Mfr. No.	Description	Colour	Tube O.D.*	Length
422-73298 (pr.)	273298-1	Head Screw - 1/4"-20 x 7/8"	Black	Fits part # 273250 thru 273266	1-3/8"
422-73299 (pr.)	273299-1	Head Screw - 1/4"-20 x 7/8"	White	Fits part # 273250 thru 273266	1-3/8"
422-73300 (pr.)	273300-1	Tube Connector - 7/8"	Black	7/8"	2-1/4"

**** Stainless tube wall thickness .049"***

273300

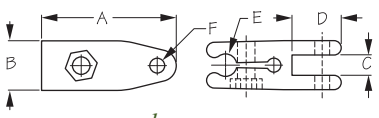
CANVAS TOP FITTINGS - Injection Molded Nylon

ORDER NO.	Mfr. No.	Description	Colour	Tube O.D.*	Hole Space	Fastener
422-73350	273350-1	90° Inside Eye End	Black	3/4"	n/a	n/a
422-73351	273351-1	90° Inside Eye End	White	3/4"	n/a	n/a
422-73369	273369-1	90° Inside Eye Bracket	Black	n/a	15/16"	#8 FH
422-73370	273370-1	90° Inside Eye Bracket	White	n/a	15/16"	#8 FH

**** Stainless tube wall thickness .049"***

273351

ORDER NO.	Mfr. No.	Description	A	B	C	D	E	F
422-73565/ ea.	273565-1	Bracket Mount Jaw Slide,Black	2-1/16"	3/4"	5/16"	3/4"	3/8"	1/4"



273565

273369

BOAT TOP HARDWARE

TOP FITTINGS - Investment Cast 316 Stainless

270100/101

270111

270160/161

270167

270175/180

ORDER NO.	Mfr. No.	Description	Tube O.D.*	Pin Size	Pin/Screw Part #
422-70100 (ea.)	270100-1	Top Cap	7/8"	1/4"	n/a
422-70101 (ea.)	270101-1	Top Cap	1"	1/4"	n/a
422-70111 (ea.)	270111-1	Top Cap Heavy Duty	1"	5/16"	n/a
422-70160 (ea.)	270160-1	Top Slide with Bolt	7/8"	1/4"	OP27001
422-70167 (ea.)	270167-1	Hinged Top Slide with Bolt	1"	1/4"	OP27001
422-70161 (ea.)	270161-1	Top Slide with Bolt	1"	1/4"	OP27001
422-70175 (ea.)	270175-1	Top Insert - 3/4"	1/4"	n/a	
422-70180 (ea.)	270180-1	Top Insert - 7/8"	1/4"	n/a	

**** Stainless tube wall thickness .049"***

HINGE FITTINGS - Investment Cast 316 Stainless

270200

270205

270210

270230

270240

270245

270250

270255

422-99980

422-99981

422-99986

ORDER NO.	Mfr. No.	Description	Base	Pin Size	Pin/Screw Part #	Fastener
422-70200 (ea.)	270200-1	90° Deck Hinge	3/4" x 2-1/4"	1/4"	OP27001	#10 FH
422-70205 (ea.)	270205-1	90° Deck Hinge - Heavy Duty	1" x 2-1/16"	5/16"	OP27004	1/4" FH
422-70210 (ea.)	270210-1	90° Deck Hinge (Removable Pin)	3/4" x 2-1/4"	1/4"	OP27002	#10 FH
422-70230 (ea.)	270230-1	Angle Base Deck Hinge	3/4" x 2-1/4"	1/4"	OP27001	#10 FH
422-70235 (ea.)	270235-1	Angle Base Deck Hinge (Removable Pin)	3/4" x 2-1/4"	1/4"	OP27002	#10 FH
422-70240 (ea.)	270240-1	Concave Base Deck Hinge	3/4" x 2-1/4"	1/4"	OP27001	#10 FH
422-70245 (ea.)	270245-1	Concave Base Deck Hinge (Removable Pin)	3/4" x 2-1/4"	1/4"	OP27002	#10 FH
422-70250 (ea.)	270250-1	Side Mount Deck Hinge	7/8" x 2"	1/4"	OP27006	#10 FH
422-70255 (ea.)	270255-1	Side Mount Deck Hinge - Heavy Duty	1-7/8" x 2-13/16"	5/16"	OP27005	1/4" FH
422-99980 (ea.)	299980-1	Lanyard with stepped release pin				
422-99981 (ea.)	299981-1	Lanyard with straight release pin				
422-99986 (ea.)	299986-1	Toggle Pin & Lanyard - Straight				
422-99999 (set)	299999-1	Set Screw 1/4"- 28 x 3/16" Cone point hex drive (set of ten).				

**** Stainless tube wall thickness .049"***

TACO MARINE

CANVAS TOP FITTINGS "DELUXE" BALL & SOCKET

Stainless Steel Type 316L
Polished Finish

- Patented ball and socket pivot design offers full rotation
- Delrin insert provides tight, rattle-free fit and smooth operation
- Deck hinges fit 7/8", 1" tube and windshield headers
- Quick release pull and D-ring pin

F11-0177S

F11-1001AS

F12-0181S

F12-0300S

ORDER NO.	Mfr. No.	Description	Tube O.D.*	Fastener
305-110177-2	F11-0177S	Top Cap	7/8"	Set Screw
305-111001-2	F11-1001AS	Jaw Slide	7/8"	Set Screw
305-120181-2	F12-0181S	Top Cap	1"	Set Screw
305-120300-2	F12-0300S	Jaw Slide "Deluxe"	1"	Set Screw

* Blister Pack (Each)

DECK HINGES "DELUXE"

Stainless Steel Type 316L
Polished Finish

- Offered in concave and flat mounts
- Secure fit

F13-0241/244BN

F13-0242/244BN

F13-0301/244BN

F13-0302/244BN

F13-0244BN

ORDER NO.	Mfr. No.	Description	Tube O.D.*
305-130241	F13-0241/244BN	Deck Hinge, Flat w/ Pin & Lanyard	7/8"
305-130242	F13-0242/244BN	Deck Hinge, Concave, w/ Pin & Lanyard	7/8"
305-130301	F13-0301/244BN	Deck Hinge, Flat, w/ Pin & Lanyard	7/8, 1", & 1-1/4"
305-130302	F13-0302/244BN	Deck Hinge, Concave, w/ Pin & Lanyard	7/8, 1", & 1-1/4"
Accessory			
305-130244	F13-0244BN	Stainless Steel Pin & Lanyard w/Plastic Knob	-

* Blister Pack (Each)

For more information see: www.tacomarine.com

FASTENERS & ACCESSORIES
HANDI-MAN MARINE
KEEPING REPAIRS AT BAY

RIGGING AND CANVAS – TOOLS

CANVAS FASTENER KIT

Kit Includes:

(1) Snap Tool & Die
(6) #8 x 5/8" Stud Wood Screw PH Stainless Steel
(10) Snap Cap 11/64"
(10) Snap Socket
(10) Snap Stud Post 1/4"
(10) Snap Eyelet

ORDER NO. 755-00107 Mfr. No. HP-107

CANVAS FASTENERS & TOOL KIT

- Nickel Plated Brass
- Stainless Steel Screws
- Comes in lockable partitioned plastic box
- Peggable

Kit Contains:

(36) Snap Button 11/64" Barrel, **(36)** Socket
(24) ¼" Barrel Eyelet, **(24)** Eyelet Stud
(12) Stud #8 x 3/8" **(12)** Stud #8 x 5/8"
(1) Steel Punch **(1)** Molded Lexan Base

ORDER NO. 970-14500 Mfr. No. 970145

CANVAS REPAIR KIT

Kit Includes: 132 Piece

(25) Button Socket 1/4"
(25) Button Stud 1/4"
(25) Button Cap 1/4"
(25) Button Eyelet 1/4"
(25) Button Stud #8 x 5/8" Tapping Screw
(1) Vice Grip Tool
(4) Vice Grip Inserts
(1) Hand Tool Die
(1) Hand Tool Punch

Dimensions: 6-1/2" x 11" x 2"

ORDER NO. 970-16400 Mfr. No. 970164EA

EXTEND-A-SNAP™ CANVAS FASTENER

No more tug-of-war with shrunken canvas covers!

Extend-a-Snaps help to avoid shrinkage of canvas covers while gaining 3/4" per side, on the cover

ORDER NO. 654-56261 Mfr. No. 560261
Package of 4

For more information see: www.handimanmarine.com

CANVAS FASTENERS

Nickel Plated Brass

ORDER NO.	Mfr. No.	Fig. No.	Description
422-99101 (set)	299101-1	1 & 2	Canvas Socket - 7/32" (3/set) & Backplate (3/set)
422-99102 (set)	299102-1	3 & 4	Canvas Stud - 2 Prong Clinch (4/set) & Washer (4/set)
422-99103 (set)	299103-1	5 & 6	Canvas Stud - Eyelet Type (4/set) & Washer (4/set)

ORDER NO.	Mfr. No.	Fig. No.	Description
422-99104 (set)	299104-1	16	Canvas Stud - (#8 Wood Screw) 1/2" (5/set)
422-99107 (set)	299107-1	19	Canvas Stud - (#8-32 Machine Screw) 3/8" (5/set)

ORDER NO.	Mfr. No.	Fig. No.	Description
422-99108 (set)	299108-1	7 & 8	Canvas Snap Cap 1/4" (6/set) & Socket (6/set)
422-99109 (set)	299109-1	9 & 8	Canvas Snap Cap 5/16" (6/set) & Socket (6/set)
422-99110 (set)	299110-1	10 & 15	Canvas Snap Stud - Standard (6/set) & Snap Post - 1/4" (6/set)

ORDER NO.	Mfr. No.	Fig. No.	Description
422-99111 (set)	299111-1	20	Canvas Snap Stud (#8 Sheet Metal Screw) 3/8" (6/set)
422-99112 (set)	299112-1	21	Canvas Snap Stud (#8 Sheet Metal Screw) 5/8" (6/set)
422-99113 (set)	299113-1	21A	Canvas Snap Stud (#10 Sheet Metal Screw) 5/8" (6/set)
422-99114 (set)	299114-1	21B	Canvas Snap Stud (#8 Sheet Metal Self Tap Screw) 1/2" (6/set)
422-99115 (set)	299115-1	22	Canvas Snap Stud (#10-32 Machine Screw) 3/8" (5/set)

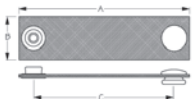
ORDER NO.	Mfr. No.	Fig. No.	Description
422-99116 (pair)	299116-1	23	Snap Turn Buckle - 2 Screw Base" (2/set)
422-99117 (set)	299117-1	11 & 12	Snap Turn Buckle - 2 Prong Clinch (2/set) & Backplate (2/set)
422-99118 (set)	299118-1	13 & 14	Snap Turn Buckle Eyelet (2/set) & Washer (2/set)
422-99119 (pair)	299119-1	24	Snap Turn Buckle (#7 Brass Wood Screw) 5/8" (2/set)

ORDER NO.	Mfr. No.	Fig. No.	Description
422-99120 (ea)	299120-1	25	Canvas Snap Hand Punch & Base

ORDER NO.	Mfr. No.	Fig. No.	Description
422-99124 (set)	299124-1	26	S.S. Windshield Clip - 3/4" Base (4/set)
422-99125 (set)	299125-1	27	S.S. Windshield Clip - 7/8" Base (4/set)

ADD - A - SNAP - Nickel Plated Brass/Nylon

ORDER NO.	Mfr. No.	A	B	C	Colour
422-99201B (pair)	299201B-1	1-1/2"	1"	11/16"	Black
422-99201W (pair)	299201W-1	1-1/2"	1"	11/16"	White
422-99202B (pair)	299202B-1	2-1/2"	1"	1-1/2"	Black
422-99202W (pair)	299202W-1	2-1/2"	1"	1-1/2"	White



For more information see:
www.sea-dog.com

PULL THE DOT FASTENER

This fastener has a unique locking feature which will withstand extreme pressure on three sides without unlocking, yet releases instantly on the fourth side when outer edge of cloth is lifted up.
Neater appearance than Lift-A-Dot or Turnbutton.
Note: Will not interchange with the regular Dome Fasteners

No.**101-18100** - BUTTON No.**101-18201** - SOCKET No.**101-18303** - STUD

Attach No. 101-18100/101-18201 with regular dome setting tools.

DOME BUTTON - 3/16" use with No. 014-05480
ORDER NO. 106-06700

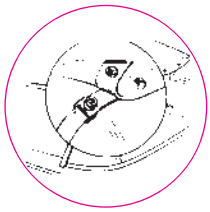
DOME SOCKET - Use with No. 106-06700
ORDER NO. 014-05480

POST EYELET - 3/16" post use with No. 105-05500
ORDER NO. 105-05501

DOME STUD - Attach with screw or rivet or with No. 105-05501
ORDER NO. 105-05500

DOME STUD - No. 8 x 3/8" Stainless Steel Screw Robertson Drive
ORDER NO. 106-06880

WINDSHIELD CLIPS
ORDER NO. 101-10388 (3/4")
ORDER NO.101-10391 (7/8")



BOAT TOP HARDWARE ACCESSORIES

MARINE SNAP CANVAS KIT WITH PLIERS TOOL

- Includes 72 piece snap assortment.
- Will do up to 2 layers of material.
- Fast and simple to use.

Mfr. No. 970162

ORDER NO. 970-16200

CANVAS PUNCH

Punches 6 hole sizes 5/64 – 3/16"

ORDER NO. 990-69000

Mfr. No. 990690

CANVAS PLIERS

ORDER NO. 990-69100

Mfr. No. 990691

For more information see: www.handimanmarine.com

VICE GRIP DOME SETTERS

Special Welded on Dies for Setting
#106-06700/#014-05480
and #101-18100/#101-18201 Fasteners

ORDER NO. 102-24000

INTERNAL EYE ENDS

615" diameter, for 3/4" tubing. 2 per pkg.
Chrome plated Zamak.

ORDER NO. 101-12020

FASTENER TOOL

ORDER NO. 101-13600

For more information see: www.taylormadeproducts.com

Ironwood Pacific OUTDOORS

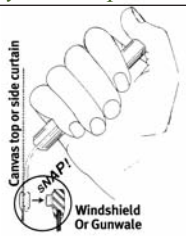
Make Fastening Boat Canvas 'a Snap'

"TOP-SNAPPER" TOOL

- Makes snapping boat covers and tops easy!
- Dual blades to fasten inside and outside canvas snaps
- Both blades are ideal for unsnapping snaps without ripping your canvas
- Easy-to-grip rubberized handle
- Works on corroded snaps and shrunken canvas
- Lifetime Warranty

ORDER NO. 968-00008

Mfr. No. 008.1



TOP-SNAPPER COUNTER DISPLAY

- Display 12 Top-Snappers in a 8" x 5" point of purchase display

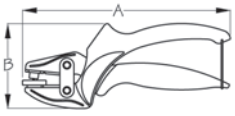
ORDER NO. 968-00088

Mfr. No. 008.80

For more information see: www.ironwoodpacific.com

SEA-DOG LINE
QUALITY MARINE GEAR

CANVAS SNAP TOOL - Aluminum Steel

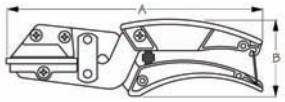


ORDER NO.	Mfr. No.	A	B
422-99190 Ea.	299190-1	7-1/4"	2-7/8"

Includes a die wrench & three removable dies for various snap caps & studs. Not for use with heavy-duty stainless canvas snaps.

MULTI-PURPOSE CUTTER

Powder Coated Steel



ORDER NO.	Mfr. No.	A	B
425-63310	563310-1	9-1/2"	2-5/8"

Great for rope and plastic tubing.
Includes two spare utility blades.

HEAVY DUTY CANVAS & UPHOLSTERY SCISSORS

304 Stainless Steel/Injection Molded Nylon

ORDER NO.	Mfr. No.	A	B
425-63320	563320-1	8-1/4"	3-1/4"

Quality stainless steel shears are designed with offset handles to allow the blades to hug the work surface, giving you precise cutting with thin and thick materials. Applications include: rubber, vinyl, leather, plastics, cording, upholstery, and canvas.

For more information see: www.sea-dog.com

DRAWN ALUMINUM TUBING

Close tolerance to provide consistent use with rail and top fittings. Also offers superior strength to standard extruded tube. Fits most canvas top applications.Silver Bright Dip and Anodized finish for chrome like appearance. Withstands corrosive environments. Extrusion flow lines may appear through the anodized finish.

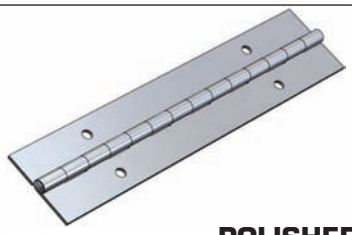
ORDER NO.	O.D.	Wall Thickness	Length
003-10780	7/8"	.058	10'
003-20780	7/8"	.058	20'

STAINLESS STEEL TUBING (ROUND)

Used for a multitude of applications including grab rails, bow rails and canvas top frames. Polished finish.

ORDER NO.	O.D.	Wall Thickness	Length
080-10780	7/8"	.049	10'
080-20780	7/8"	.049	20'
080-10100	1"	.049	10'
080-20100	1"	.049	20'

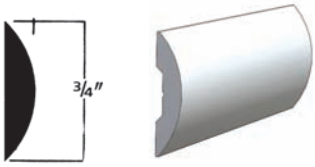
TACO MARINE



TACO'S CONTINUOUS HINGES

- Long-lasting stainless steel
- Movable fasteners ideal for hinging lids and hatches
- Drilled on 2" centers with no stagger
- Finish: Annealed

ORDER NO.	Mfr. No.	Description
140-11272-A	H14-0112A72-1	1-1/2" x 72"
140-11472-A	H14-0114A72-1	1-1/4" x 72"
140-20072-A	H14-0200A72-1	2" x 72"



POLISHED ALUMINUM MOLDING (HALF OVAL)

6063-T5 alloy and temper is designed for easy tight radius bending as well as providing strength and protection. Anodized finish to protect against the harsh marine environment. Drilled and countersunk on 6" centres.

ORDER NO.	Mfr. No.	Length	Height	Width
500-19501	A50-0195TAL12D	12'	3/4"	3/16

For more information see: www.tacomarine.com

SEA-DOG LINE QUALITY MARINE GEAR

RAIL TEES Investment Cast 316 Stainless

ORDER NO.	Mfr. No.	Description	Tube O.D.*
422-90600 (ea.)	290600-1	60° Universal Tee	7/8"
422-90601 (ea.)	290601-1	60° Universal Tee	1"
422-90900 (ea.)	290900-1	90° Tee	7/8"
422-90901 (ea.)	290901-1	90° Tee	1"
422-91600 (ea.)	291600 -1	60° Tee - Left Hand	7/8"
422-91601 (ea.)	291601-1	60° Tee - Left Hand	1"
422-92600 (ea.)	292600 -1	60° Tee - Right Hand	7/8"
422-92601 (ea.)	292601 -1	60° Tee - Right Hand	1"
422-93100 (ea.)	293100-1	3-Way Corner Fitting	7/8"
422-93101 (ea.)	293101-1	3-Way Corner Fitting	1"
422-93141 (ea.)	293141-1	4-Way Tee	1"

** Stainless tube wall thickness .049"*

290600
290601
291600
291601
292600
292601

290900
290901

293100
293101

293141

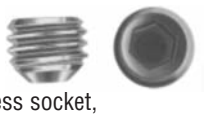
ELBOWS Investment Cast 316 Stainless

ORDER NO.	Mfr. No.	Description	Tube O.D.*	Degree
422-95090 (ea.)	295090-1	Elbow	7/8"	90°
422-95091 (ea.)	295091-1	Elbow	1"	90°
422-95110 (ea.)	295110-1	Bow Form	7/8"	110°
422-95111 (ea.)	295111-1	Bow Form	1"	110°

Flagpole mounting hole in Bow Forms are designed to fit 1/2" diameter flagpole such as part number #103-28110

295090
295091

295110
295111



SET SCREW

1/4-28 x 3/16 Headless socket, cone point hex drive, stainless steel.

ORDER NO. 422-99999 - 10 Pk.
ORDER NO. 654-00555 - 100 / Box

STANCHION CAP

Investment Cast 316 Stainless
Tube O.D.* 7/8"
Eye Diameter: 5/16"
Mfr. No. 270510-1

ORDER NO. 422-70510

** Stainless tube wall thickness .049"*

LIFELINE BASE

Investment Cast 316 Stainless
Base: 2-7/16" x 1-1/2"
Pin Diameter: 3/8"
Fastener: #10 FH
Mfr. No.: 270550-1

ORDER NO. 422-70550

For more information see: www.sea-dog.com

SEA-DOG LINE
QUALITY MARINE GEAR

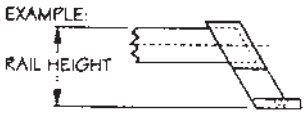
HAND RAIL FITTINGS

Die Cast Zinc Chrome Plated

286560

286565

286566



ORDER NO.	Mfr. No.	Description	Rail Height (See example above)	Tube O.D.*	Fastener
422-86560 (ea.)	286560-1	60° Center	2-1/8"	7/8"	#10 FH
422-86565 (ea.)	286565-1	60° End - Left Hand	2-1/8"	7/8"	#10 FH
422-86566 (ea.)	286566-1	60° End - Right Hand	2-1/8"	7/8"	#10 FH

**** Stainless tube wall thickness .049"***

BASE RAIL FITTINGS

Die Cast Zinc Chrome Plated

286060

286090

286160

286190

ORDER NO.	Mfr. No.	Description	Tube O.D.*	Base	Fastener
422-86060 (ea.)	286060-1	60° Round Base	7/8"	2-5/8"	#10 FH
422-86090 (ea.)	286090-1	90° Round Base	7/8"	2-5/8"	#10 FH
422-86160 (ea.)	286160-1	60° Rectangular Base	7/8"	1-5/8" x 2-3/4"	#10 FH
422-86190 (ea.)	286190-1	90° Rectangular Base	7/8"	1-5/8" x 2-3/4"	#10 FH
422-99999 (set)	299999-1	Set Screw 1/4" - 28 x 3/16" Cone point hex drive (set of ten).			
422-99980 (ea.)	299980-1	Lanyard with Stepped Release Pin			
422-99981 (ea.)	299981-1	Lanyard with Straight Release Pin			
422-99986 (ea.)	299986-1	Toggle Pin & Lanyard - Straight			

Set screws can be purchased separately or the fittings can be pop riveted using stainless steel or aluminum rivets. Skin pack fittings include set screws. * Stainless tube wall thickness .049"

RAIL TEES

Die Cast Zinc Chrome Plated

296090

296160

296260

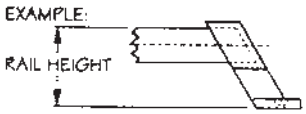
296510

ORDER NO.	Mfr. No.	Description	Tube O.D.*
422-96090 (ea.)	296090-1	90° Tee	7/8"
422-96160 (ea.)	296160-1	60° Tee - Left Hand	7/8"
422-96260 (ea.)	296260-1	60° Tee - Right Hand	7/8"
422-96510 (ea.)	296510	110° Bow Form	7/8"
422-99999 (set)	299999-1	Set Screw 1/4" - 28 x 3/16" Cone point hex drive (set of ten).	

Set screws can be purchased separately or the fittings can be pop riveted using stainless steel or aluminum rivets. Skin pack fittings include set screws. * Stainless tube wall thickness .049"

HAND RAIL FITTINGS

Investment Cast 316 Stainless



285060
285061

285160
285161

288290

ORDER NO.	Mfr. No.	Description	Rail Height (See example above)	Tube O.D.*	Fastener
422-85060 (ea.)	285060-1	60° Center	1-13/16"	7/8"	#10 FH
422-85061 (ea.)	285061-1	60° Center	1-7/8"	1"	1/4" FH
422-85160 (ea.)	285160-1	60° End	1-13/16"	7/8"	#10 FH
422-85161 (ea.)	285161-1	60° End	1-7/8"	1"	1/4" FH
422-88290 (ea.)	288290-1	Bullet End	n/a	7/8"	n/a

**** Stainless tube wall thickness .049"***

BASE RAIL FITTINGS - ROUND

Investment Cast 316 Stainless

280300
280301

280450
280451

280600
280601

280900
280901

ORDER NO.	Mfr. No.	Description	Tube O.D.*	Base	Fastener
422-80300 (ea.)	280300-1	30° Round Base	7/8"	2-5/8"	# 10FH
422-80301 (ea.)	280301-1	30° Round Base	1"	2-3/4"	1/4" FH
422-80450 (ea.)	280450-1	45° Round Base	7/8"	2-5/8"	#10 FH
422-80451 (ea.)	280451-1	45° Round Base	1"	2-3/4"	1/4" FH
422-80600 (ea.)	280600-1	60° Round Base	7/8"	2-5/8"	#10 FH
422-80601 (ea.)	280601-1	60° Round Base	1"	2-3/4"	1/4" FH
422-80900 (ea.)	280900-1	90° Round Base	7/8"	2-5/8"	#10 FH
422-80901 (ea.)	280901-1	90° Round Base	1"	2-3/4"	1/4" FH

**** Stainless tube wall thickness .049"***

BASE RAIL FITTINGS - RECTANGULAR

Investment Cast 316 Stainless

281300
281301

281450
281451

281600
281601

281900
281901

ORDER NO.	Mfr. No.	Description	Tube O.D.*	Base	Fastener
422-81300 (ea.)	281300-1	30° Rectangular Base	7/8"	1-3/4" x 2-5/8"	#10 FH
422-81301 (ea.)	281301-1	30° Rectangular Base	1"	1-7/8" x 3-3/16"	1/4" FH
422-81450 (ea.)	281450-1	45° Rectangular Base	7/8"	1-11/16" x 3"	#10 FH
422-81451 (ea.)	281451-1	45° Rectangular Base	1"	1-7/8" x 3-1/4"	1/4" FH
422-81600 (ea.)	281600-1	60° Rectangular Base	7/8"	1-3/4" x 3-1/16"	#10 FH
422-81601 (ea.)	281601-1	60° Rectangular Base	1"	1-7/8" x 3-1/4"	1/4" FH
422-81900 (ea.)	281900-1	90° Rectangular Base	7/8"	1-11/16" x 3"	#10 FH
422-81901 (ea.)	281901-1	90° Rectangular Base	1"	1-7/8" x 3-3/16"	1/4" FH
422-99999 (set)	299999-1	Set Screw 1/4" - 28 x 3/16" Cone point hex drive (set of ten)			

**** Stainless tube wall thickness .049"***

LOW PROFILE ACCESS & VENTILATION HATCH

TAYLOR MADE® HATCHES

Taylor Made® gray tempered safety glass for scratch resistance and clarity. New security locking handles with lock-in vent position. Positive lock riser arms for easy open/easy close. Pre-drilled mounting holes. Designed as a replacement for all Taylor Made® and similar style hatches. Trim ring included.

ORDER NO.	Mfr. No.	Description	Frame Size	Maximum Hole Cut-Out
111-50103	50103	Ultra III Hatch 12" x 12"	14-3/4" x 14-3/4"	12" x 12"
111-50111	50111	Ultra III Hatch 20" x 20"	22-1/2" x 22-1/2"	19-3/4" x 19-3/4"

TAYLOR MADE HATCH REPLACEMENT PARTS - MODEL YEARS 1990 TO PRESENT

Mfr. No.	Fig.	ORDER NO.	Description	Quantity
1731	A	111-17310	1994-Present handle w/post, "O" rings, lock, screw	One
1724	B	111-17240	Hatch riser arm - for 10" x 10" hatch	One
1723	C	111-17230	Hatch riser arm - for 12" x 12" hatch	One
1728	C	111-17280	Hatch riser arm - for 13" x 18" hatch	One
1729	D	111-17290	Hatch riser arm - for 17" x 17" hatch	One
1730	D	111-17300	Hatch riser arm - for 18" x 18" hatch	One
1722	D	111-17220	Hatch riser arm - for 20" x 20" hatch	One
1721	E	111-17210	Hatch riser arm locking knob	One
1720	F	111-17200	1990-1993 Handle w/post, O-rings, screw	One
1725	G	111-17250	D-sponge gasket	7'
1726	H	111-17260	Installation foam - 1/4" x 1/2"	8'

Items A & E are for model years 1994-Present only. Item G is for model years 1990-1993 only.
All hatch riser arms and handles are universal and can be used on the left or right side.

A

B

C

D

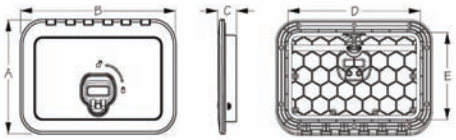
E

F

G

H

NEW!



TRIPLE LATCH RECTANGULAR MARINE HATCH

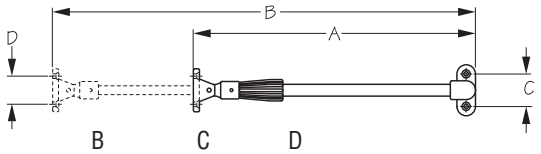
Injection Molded Polypropylene

ORDER NO.	Mfr. No.	A	B	C	D	E	Colour	Fastener
423-36520	336520-3	10-1/4"	14"	1-11/16"	11-13/16"	7-3/4"	**White**	#10 FH
423-36525	336525-3	10-1/4"	14"	1-11/16"	11-13/16"	7-3/4"	**Black**	#10 FH

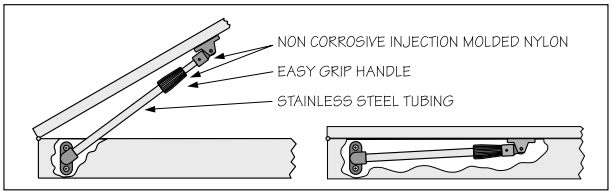
Features 3 locking points which when engaged cause the camming surface to pull the lid into the gasket creating a water tight seal. Constructed of injection molded polypropylene with a structural honeycomb lid for superior rigidity and strength. Non-slip textured surface. Can be mounted horizontally or vertically. Full strength piano hinge for added strength and security. Interior opening is 11-1/8" x 7" and will accept group 24 series size batteries. Installs with ten #10 FH fasteners (not included).

HATCH ADJUSTER

Formed and Stamped 304 Stainless/Nylon

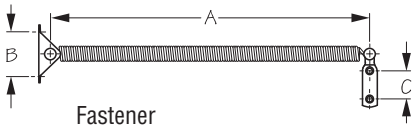


ORDER NO.	Mfr. No.	A	B	C	D
423-21295	321295-1	11-15/16"	17-7/8"	1-3/8"	1-3/16"
423-21296	321296-1	14-15/16"	24"	1-3/8"	1-3/16"



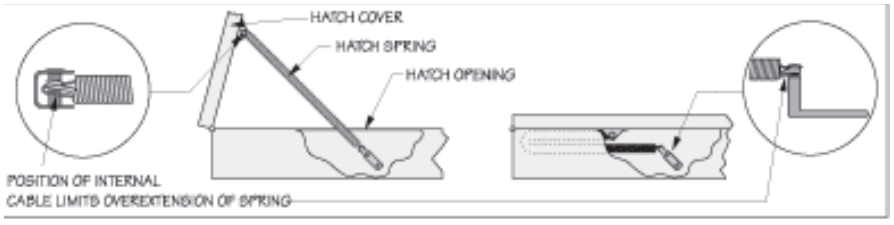
HATCH SPRING

Formed and Stamped 304 Stainless



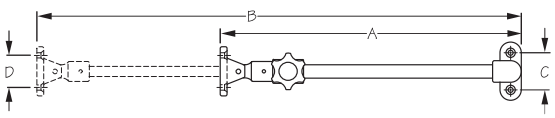
ORDER NO.	Mfr. No.	A	B	C	Fastener
423-21650	321650-1	8-5/8"	1-1/16"	3/4"	#10 RH & 3/16" Pop Rivet

The Sea-Dog Hatch Spring has an internal wire that prevents the spring from being over-extended during normal use. Not recommended for applications where hatch will scoop wind while boat is underway and over-extend spring.



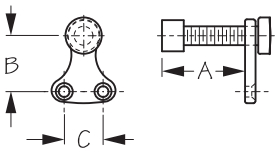
HATCH ADJUSTER

Formed and Stamped 304 Stainless/Nylon



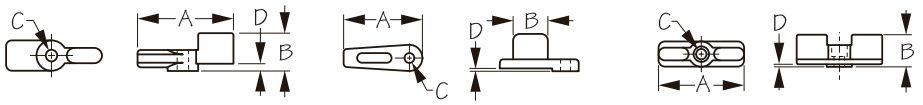
ORDER NO.	Mfr. No.	A	B	C	D
423-21291 (Ea)	321291-1	11-1/8"	17-7/8"	1-3/8"	1-3/16"
423-21292 (Ea)	321292-1	14-3/16"	24-3/16"	1-3/8"	1-3/16"

ANTI-RATTLE WINDOW FASTENER
Sand Cast Brass Chrome Plated



ORDER NO.	Mfr. No.	A	B	C	Fastener
423-22210	322210-1	1-5/16"	7/8"	5/8"	#6 FH

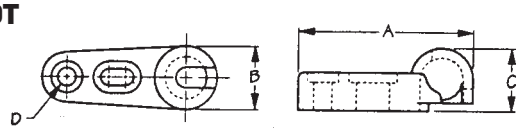
WINDSHIELD LATCH
Injection Molded Nylon



324110/324140 324180 324210

ORDER NO.	Mfr. No.	Description	A	B	C	D
423-24110 (pr.)	324110-1	Single Wing Latch - .105	1-9/16"	5/8"	3/16"	1/8"
423-24140 (pr.)	324140-1	Single Wing Latch - .300	1-9/16"	13/16"	3/16"	5/16"
423-24180 (pr.)	324180-1	Thumb Latch - .035	1-1/2"	11/16"	3/16"	1/16"
423-24210 (pr.)	324210-1	Double Latch - .022	1-11/16"	5/8"	3/16"	1/16"

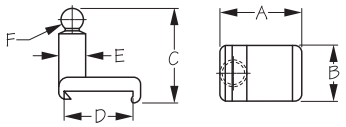
WINDSHIELD BRACE FOOT
Injection Molded Nylon



ORDER NO.	Mfr. No.	A	B	C	D
423-24300)	324300-1	2-1/16"	3/4"	3/4"	3/16"

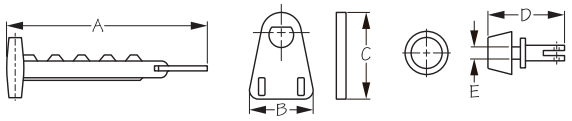
Fits 1/2" Tubing

MALE WINDSHIELD RETAINER SPACER
Injection Molded Nylon



ORDER NO.	Mfr. No.	Color	A	B	C	D	E	F
423-24360 (pr.)	324360-1	Black	1-1/8"	3/4"	1-5/16"	15/16"	3/8"	5/16"

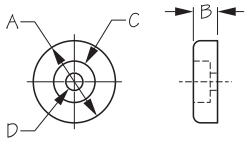
SIDE VENT ADJUSTER KIT
Injection Molded Nylon



ORDER NO.	Mfr. No.	A	B	C	D	E
423-24380 (ea.)	324380-1	5"	1-9/16"	2-3/16"	1-15/16"	5/16"

Improved push nut retainer cap with washer. Includes a 302 stainless steel pin.

WINDSHIELD/DOOR BUMPER PAD
Injection Molded PVC



ORDER NO.	Mfr. No.	Color	A	B	C	D
423-24390 (pr.)	324390-1	Black	3/4"	3/16"	3/8"	1/8"

WINDSHIELD SUPPORT BARS

Used as original equipment on many fine walk-thru windshields. Windshield support bars are made from either anodized aluminum tubing with nylon fittings or powder coat aluminum tubing with chrome plated zamak feet*. The fittings allow for pivot in almost every direction for easy installation. **Sold in single units.**

ORDER NO.	Mfr. No.	Size	Finish
101-16320	1632	11"	Alum.
101-16340	1634	12"	Alum.
101-16360	1636	13"	Alum.
101-16370	1637*	13"	P/Coat
101-16380	1638	14"	Alum.
101-16390	1639*	14"	P/Coat
101-16410	1641*	15"	P/Coat
101-16420	1642*	16"	P/Coat

For more information see: www.taylormadeproducts.com

WINDSHIELD MALE SNAP ADAPTER

Designed and used for many OEM windshield / canvas applications. Molded nylon insert fits into trim grooves. .200" wide by .500" deep and accepts standard male screw-in snaps. 6 sets of inserts and snaps included. Use to secure cockpit covers, bimini tops, etc.

ORDER NO. 111-04070

Mfr. No. 407

HIDDEN HOLD-DOWN FASTENERS

Complete with nuts and rubber grommets

ORDER NO. 111-16070

Mfr. No. 1607

SUN BLOCK CLIP - WINDOW PROTECTOR

Protect your clear plastic windows from scorching & costly replacement with "SUN-BLOCKER", a self insulated protective clip which eliminates contact between your metal tubular top frame & the clear plastic windows. Unprotected windows develop a chronic condition which should no longer exist for boaters. It is a safety hazard when you can't see through these windows! "SUN-BLOCKER" reduces singeing, scorching & heat cracking. Two or three "SUN-BLOCKER" clips can give you maximum protection against element destruction of your clear plastic windows.

• Designed cooling air-vents • All rounded-corners eliminate abrasion

ORDER NO.	Mfr. No.	Description	Colour
144-00078	NHS-78	Sun Blocker Clip, 7/8"	Marine Grey
144-00100	NHS-100	Sun Blocker Clip, 1"	Marine Grey

For more information see: www.nhsmarine.com

WINDSHIELD HOLDER CLIPS

NEW!

- Makes installation and removing windshield simple
- Base mounts to the boat and the quick twist fastener passes through the windshield
- Great for preventing broken windshields in shipping, installation and for cleaning
- Quick twist release
- Winged head nut
- Sold by pairs

ORDER NO. 205-65001

Mfr. No. WSH-1PR-DP

For more information see: www.thmarinesupplies.com

FLUSH CLEATS

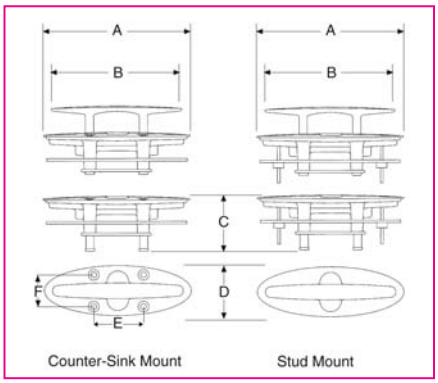
Stud mount

Counter-sunk mount

This cleat recesses flush to the deck for a clean, contemporary look at an affordable price. Two mounting styles include an exclusive stud-mounted cleat (Patented). Water-resistant cleat recesses into cast body and is captured with lubricated seals. An optional drainage receptacle mounts below the cleat to drain off water. Durable, enhanced cast 316 stainless steel construction and simple patented design assures long-life and dependable operation.

Easy Installation

Hole pattern is similar to competitive models
1/8" stamped backing plate, for decks thicker than 1/2", is standard on all models



Mfr. No.	Description	A	B	C	D	E	F
COUNTERSUNK*							
66510	4-1/2" Cleat	5-1/4"	4-1/2"	3-1/8"	2"	1-5/8"	1-7/16"
66514	6" Cleat	7"	6"	3-1/3"	2"	1-7/8"	1-21/32"
STUD MOUNT							
66512	4-1/2" Cleat	5-1/4"	4-1/2"	3-1/8"	2"	–	–
66516	6" Cleat	7"	6"	3-1/3"	2-3/8"	–	–

ORDER NO.	Mfr. No.	Description	Mounting Style
106-66510	66510-7	4-1/2" Flush Cleat	Counter-sunk
106-66512	66512-7	4-1/2" Flush Cleat	Stud mount
106-66514	66514-7	6" Flush Cleat	Counter-sunk
106-66516	66516-7	6" Flush Cleat	Stud mount

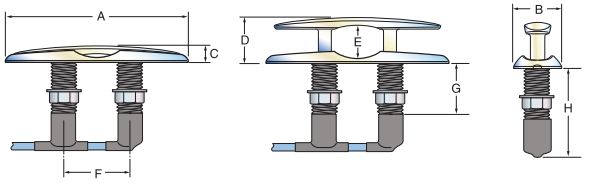
Countersunk models: Fasteners not included. Stud mount: Fasteners are included.

NEAT CLEATS

The Neat Cleat offers what you've been asking for - a retractable cleat with a thin profile that installs easily on narrow gunwales.

- The cleat stays up when pulled up. Friction springs hold it in place & reduces rattling
- When lowered, cleat is only 1/2" above deck.
- Beautiful, strong and durable - each stanchion is a 7/8" rod of solid enhanced # 316 stainless steel alloy.

ORDER NO.	Mfr. No.
106-66515	66515-7
106-66517	66517-7



Specifications: (Install. Hole Saw Size: 7/8") (Max Hull Thickness: 1")

A Total Length	B Total Width	C Above Deck Lowered	D Above Deck Raised	E Line Opening	F Between Stanchions	G Thread Length	H Install Depth
4-1/2"	1-15/16"	1/2"	1-5/8"	1-1/4"	1-3/4"	1-3/4"	3-1/8"
6"	1-1/2"	1/2"	1-5/8"	1-1/4"	2-1/4"	1-3/4"	3-1/8"

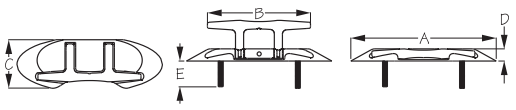
For more information see: www.attwoodmarine.com

SEA-DOG LINE
QUALITY MARINE GEAR

FOLDING STUD MOUNT CLEAT

Investment Cast 316 Stainless

Folding Stud Mount Cleat folds down for flush appearance,

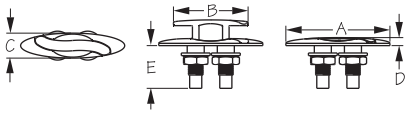


ORDER NO.	Mfr. No.	A	B	C	D	E
420-41404	041404-1	6-7/16"	4-1/2"	2-1/8"	1/2"	1-11/16"

S-STYLE PULL-UP CLEAT

Investment Cast 316 Stainless

Includes backing plate. Recesses flush to the deck for a contemorary look.



ORDER NO.	Mfr. No.	A	B	C	D	E
420-41304	041304-1	6-1/4"	4-1/2"	1-1/2"	1/2"	2-9/16"
420-41594	041594	Drain Fitting for 420-41304				

For more information see: www.sea-dog.com

PERKO® MADE IN THE USA

CLEATS

OPEN BASE CLEAT
Chrome Plated Zinc Alloy with Black Polymer Base.

ORDER NO.	Overall Length	Max. Rope Size	Screw Size
621-13061 (pair)	4-1/2"	3/8"	# 10
621-13062 (each)	6"	1/2"	1/4

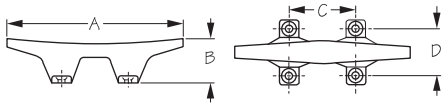
OPEN BASE CLEAT
Chrome Plated Zinc Alloy

ORDER NO.	Mfr. No.	Overall Length	Dimensions Base Size	Max. Rope	Screw Size
621-11884 (pair)	1188DP4CHR	4"	2-1/8" x 1-1/2"	5/16"	# 10
621-11886 (each)	1188DP6CHR	6"	3" x 1-3/4"	7/16"	# 10
621-11888 (each)	1188DP8CHR	8"	4" x 2-1/8"	5/8"	1/4

For more information see: www.perko.com

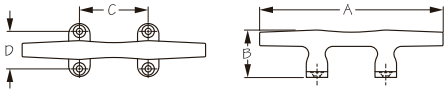
SEA-DOG® LINE QUALITY MARINE GEAR

4-HOLE CLEAT
Die Cast Zinc Chrome Plated



ORDER NO.	Mfr. No.	A	B	C	D	Fastener
425-44104/ea	044104-1	4-1/2"	1-1/16"	1-3/4"	1-3/16"	# 8 FH
425-44106/ea	044106-1	6"	1-3/8"	2-3/16"	1-9/16"	# 10 FH

OPEN BASE CLEAT
Die Cast Zinc Chrome Plated Zinc

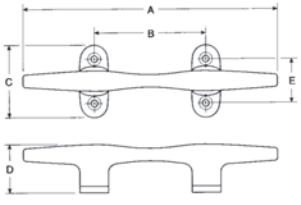


ORDER NO.	Mfr. No.	A	B	C	D	Fastener
420-44604 /ea.	044604-1	4"	1-1/4"	1-1/2"	1-1/16"	#10 FH

For more information see: www.sea-dog.com

attwood

HERRESHOFF CLEAT
Classic Herreshoff style cleat provides traditional styling, easy line tie-off, and corrosion-resistance.
Made of enhanced 316 stainless steel alloy.
Four holes for attachment. See table for fastener size.

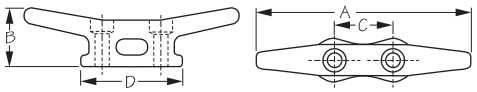


ORDER NO.	Mfr. No.	Description	A	B	C	D	E	Screw Size
106-66009	66009L6	6" Cleat	6"	2-1/4"	1-7/8"	1-1/4"	1-9/64"	1/4"
106-66010	66010L3	8" Cleat	8"	2-27/32"	2-3/16"	1-1/2"	1-11/32"	1/4"

For more information see: www.attwoodmarine.com

OPEN BASE CLEAT - FLAT HEAD

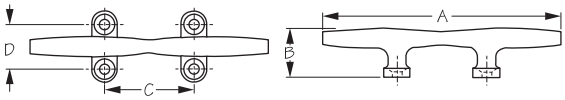
Hot Dipped Galvanized Iron



ORDER NO.	Mfr. No.	A	B	C	D	Fastener
420-40104 /pr	040104-1	4"	1-1/8"	7/8"	1-7/8"	# 10 FH
420-40106 /pr	040106-1	6"	1-3/8"	1-1/4"	2-3/16"	1/4" Bolt
420-40108 /ea	040108-1	8"	2-1/8"	1-11/16"	3-1/4"	5/16" Bolt
420-40110 /ea	040110	10"	2-1/2"	2-3/8"	4-1/16"	3/8" Bolt

OPEN BASE CLEAT

Investment Cast 316 Stainless

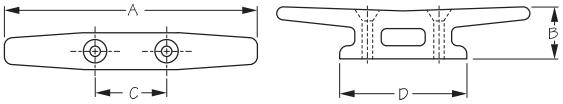


ORDER NO.	Mfr. No.	A	B	C	D	Fastener
420-41604 /ea	041604-1	4"	15/16"	1-3/4"	1"	# 10 FH
420-41606 /ea	041606-1	6"	1-1/4"	2-1/4"	1-1/8"	1/4" FH
420-41608 /ea	041608-1	8"	1-1/2"	2-13/16"	1-3/8"	1/4" FH
420-41610 /ea	041610-1	10"	1-7/8"	3-5/8"	1-3/4"	5/16" FH

OPEN BASE CLEAT

Injection Molded Nylon

Black

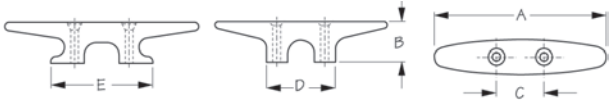


ORDER NO.	Mfg. No.	A	B	C	D	Fastener
420-43030 /pr	043030-1	3"	11/16"	1"	1-5/8"	# 6 FH
420-43040 /pr	043040-1	4"	7/8"	1-1/8"	2"	# 8 FH
420-43050 /pr	043050-1	5"	1-1/16"	1-7/16"	2-1/2"	# 10 FH
420-43065 /ea	043065-1	6-1/2"	1-3/8"	1-11/16"	2-15/16"	# 12 FH

All Sea-Dog Open Base Nylon Cleats are designed with a molded-in recess in the base. This traps the sealant in place providing a more watertight seal.

HEAVY DUTY CLEAT

Injection Molded Nylon



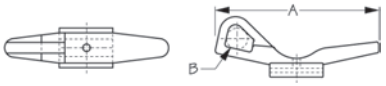
ORDER NO.	Mfr. No.	A	B	C	D	E	Colour	Fastener
420-43340	043340-1	4-1/4"	1"	1-1/4"	1-3/4"	N/A	Black	#10 FH
420-43360	043360-1	6-1/16"	1-1/4"	1-9/16"	2-1/4"	N/A	Black	1/4" FH
420-43380	043380-1	8-1/16"	1-3/4"	2-1/4"	N/A	4-3/16	Black	5/16" FH

HALYARD CLEAT

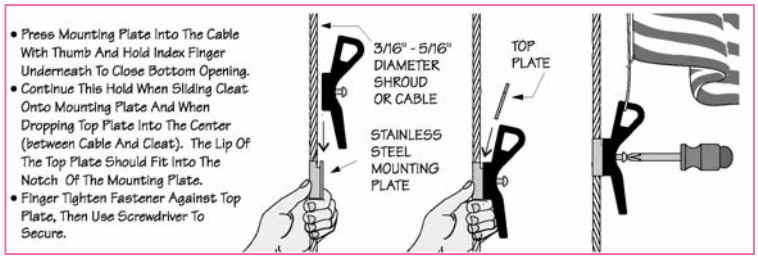
Injection Molded Nylon/Stamped 304 Stainless

Designed to mount on any 3/16" - 5/16" diameter shroud and used for tying off a halyard when not in use. Additional uses include mounting attachments for flags, solar showers, awnings, topping lift tie, antenna, etc.

ORDER NO.	Mfr. No.	A	B
420-50110 /ea.	050110-1	3-7/8"	1/2"



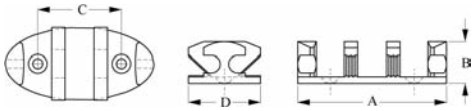
For more information see: www.sea-dog.com



ZIG ZAG CLEAT

Injection Molded Nylon

Simply weave rope around cleat arms, no knots needed.
Great for fender lines, trailer covers and utility lines. Fits lines up to 3/8"
Sold in pairs.

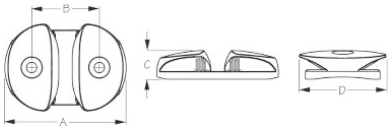


ORDER NO.	Mfr. No.	A	B	C	D	Fastener
420-43540	043540-1	3-1/2"	15/16"	1-15/16"	1-3/4"	1/4" FH

ZIG CLEAT

Injection Molded Nylon

Designed for easy, one-handed adjustability, this fastening point features enough holding power for bungees, small flags and other cord line quick secure accessories but without the extra line weaves of a horn-style cleat.
Sold in pairs.



NEW!

ORDER NO.	Mfr. No.	A	B	C	D	Line Size	Fastener
420-43550	043550-1	2-3/8"	1-5/16"	1/2"	1-11/16"	1/4"	#10 FH

For more information see: www.sea-dog.com

PANTHER

3" ROPE CLEAT

A no tie, no knot, rope cleat that will secure any rope or line, up to 3/8 in. diameter with no knots, is just what is needed for a variety of purposes ranging from boats and docks to trucks and trailers. You can use the Rope Cleat to secure just about any object up to 200 lbs with no knots. The 3 in. design is available in heavy duty nylon, die cast chrome or die cast zinc for years of trouble free use.

The Rope Cleat "It's a Cinch".

Black Nylon - 2 Pk.
ORDER NO. 934-03810
Mfr. No. 55-8100

Die Cast Chrome Plated - 2 Pk.
ORDER NO. 934-03820
Mfr. No. 55-8200

Die Cast Zinc Plated - 2 Pk.
ORDER NO. 935-58400
Mfr. No. 55-8400

For more information see: www.panthermarineproducts.com

TACO MARINE

MULTI-PURPOSE 15˚ PORTABLE CLEAT

Allows the boater the ease of an instant cleat in the location of a rod holder, but also allows the boater to add a boat fender to the same cleat over board to protect the side of the boat as well as many uses.

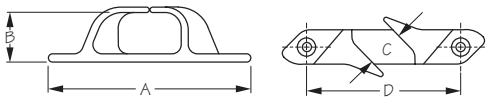
- Brushed aluminum finish
- Large S-shape 9" clear design
- Accommodates up to 3/4" dock line for larger boat applications
- Pipe diameter 1-1/2" fits into standard rod holders 1-5/8" dia.
- Loop hole design to hang fenders over the side
- Ideal for hanging hose while washing boat
- Packaged in mesh bag for easy drying if stored wet & to avoid scratching dock or storage surfaces on the boat

ORDER NO. 305-30861
Mfr. No. F30-0861BSA-1

For more information see: www.tacomarine.com

SKENE CHOCKS

Investment Cast 316 Stainless

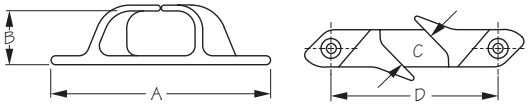


ORDER NO.	Mfr. No.	A	B	C	D	Fastener
420-60060	060060-1	4-1/2"	13/16"	11/16"	3-5/16"	# 10 FH
420-60065	060065-1	6"	1-1/8"	13/16"	4-5/8"	# 1/4" FH

Sold as pairs

SKENE CHOCKS

Sand Cast Brass Chrome Plated

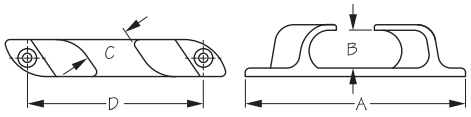


ORDER NO.	Mfr. No.	A	B	C	D	Fastener
425-64030	064030-1	3-3/8"	3/4"	5/8"	2-1/2"	# 10 FH

Sold as pairs

BOW CHOCKS

Investment Cast 316 Stainless



ORDER NO.	Mfr. No.	A	B	C	D	Fastener
420-60040	060040-1	4-3/4"	13/16"	1/2"	3-5/16"	# 10 FH

Sold as pairs

For more information see: www.sea-dog.com

PERKO® MADE IN THE USA

SKENE BOW CHOCKS

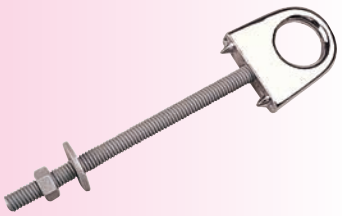
Chrome Plated Zinc

ORDER NO.	Mfr. No.
621-12230	1223DP0CHR

Sold as pairs

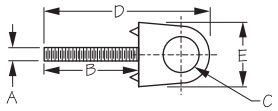
- Max. Rope Size: 1/2"
- Screw Size # 8
- Overall Length: 3-1/2"
- Width: 7/8"

For more information see: www.perko.com



BOW EYE

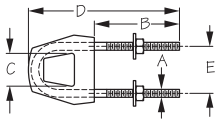
Die Cast Chrome Zinc Head - Galvanized Shaft



ORDER NO.	Mfr. No.	A	B	C	D	E	Breaking Strength (lb.)
420-79133	079133-1	3/8" NC	2-9/16"	15/16"	5-1/8"	1-13/16"	2500
425-79135	079135-1	3/8" NC	4-5/8"	15/16"	6-5/8"	1-13/16"	2500

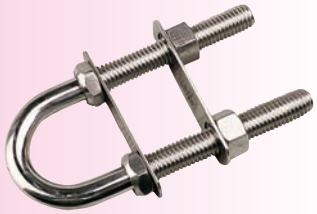
TWIN SHANK BOW EYE

Die Cast Chrome Zinc Head - Chrome Steel Shafts



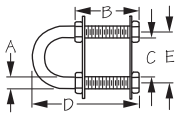
ORDER NO.	Mfr. No.	A	B	C	D	E	Breaking Strength (lb.)
420-79233	079233-1	5/16"	2-15/16"	1-1/8"	5-1/4"	1-5/8"	6000

Threads: 5/16"-18 UNC. Comparable to Perko® #1235. U-Bolt surrounds cast eye for added strength



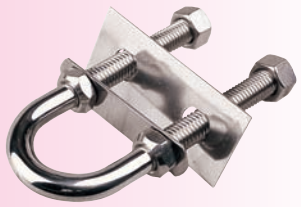
BOW EYE

Machined AISI 304 Stainless



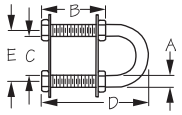
ORDER NO.	Mfr. No.	Thread	A	B	C	D	E	Breaking Strength (lb.)
420-80031	080031-1	3/8" NC	3/8"	1-1/2"	1-1/16"	2-7/8"	1-7/16"	16,000
420-80033	080033-1	3/8" NC	3/8"	2-1/2"	1-1/16"	3-15/16"	1-7/16"	16,000
420-80035	080035-1	3/8" NC	3/8"	3-1/2"	1-1/16"	4-15/16"	1-7/16"	16,000
420-80055	080055-1	1/2" NC	7/16"	3-1/2"	1-3/8"	5-5/16"	1-7/8"	25,000
420-80085	080085-1	1/2" NC	1/2"	3-7/16"	1-3/8"	5-5/16"	1-7/8"	28,000

Sea-Dog Bow Eyes come with adjustable finished nuts as compared to the crimped ring used on most other bow eyes. The 3/8" and 7/16" shafts have rolled threads.All parts are made of stainless steel.
Plate sizes: 080031-080035: 2-1/4" x 3/4" (both plates) **080055:** 3" x 3/4" (both plates).
080085 works with Lift Eye #048350



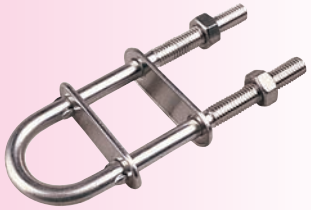
STERN EYE

Machined AISI 304 Stainless



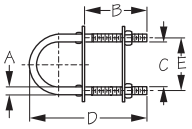
ORDER NO.	Mfr. No.	Thread	A	B	C	D	E	Breaking Strength (lb.)
420-80135	080135-1	3/8" NC	3/8"	3-1/2"	1-1/16"	4-15/16"	1-7/16"	16,000

Sea-Dog Stern Eyes come with adjustable finished nuts as compared to the crimped ring used on most other stern eyes. The 3/8" shaft has rolled threads. All parts are made of stainless steel.
Plate sizes: 080135: 2-1/4" x 3/4" (plate 1) 2-3/4" x 1-1/4" (plate 2).



U-BOLT

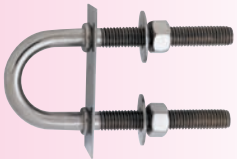
Machined AISI 304 Stainless



ORDER NO.	Mfr. No.	A	B	C	D	E	Breaking Strength (lb.)
420-80288	080288-1	5/16" - 8mm	3-1/8"	1"	4-1/2"	1-5/16"	3,850

All Sea-Dog U-Bolts listed above have metric threads. The outer mounting plate is held in place by crimped ears forged into the U-Bolt.
Plate size: 080288: 2" x 11/16" (both plates).

For more information see: www.sea-dog.com



U-BOLT BOW EYE

7/16" Stainless Steel

Bow eye has twin shanks to prevent twisting. 1-9/16" inside diameter. 1/2" x 3-1/4" thread length. Up to 12,000 lb. pull. Plated nuts and washers included. When transom-mounted this rugged bow eye can function as a ski tow. **Not to be used for lifting.**

ORDER NO. 103-33921 Mfr. No. 3392-3 (Skin Pack)

For more information see: www.attwoodmarine.com

BOAT TOP HARDWARE

TOP FITTINGS - Die Cast Zinc Chrome Plated

276100

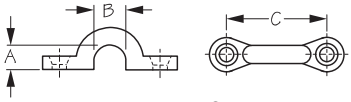
276160

276200

ORDER NO.	Mfr. No.	Description	Tube O.D.*	Pin Size	Fastener
422-76100 (pr.)	276100-1	Top Cap	7/8"	1/4"	N/A
422-76160 (pr.)	276160-1	Jaw Slide	7/8"	1/4"	N/A
422-76200 (pr.)	276200-1	90° Deck Hinge	Base: 3/4" x 2-1/4"	1/4"	#10 FH

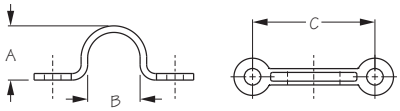
** Stainless tube wall thickness .049"*

PAD EYE
Forged AISI 304 Stainless



ORDER NO.	Mfr. No.	A	B	C	Fastener
420-81200 / pr.	081200-1	5/16"	3/8"	1-3/8"	#8 FH
420-81205 / pr.	081205-1	3/8"	1/2"	1-5/8"	#10 FH

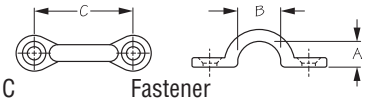
PAD EYE
Stamped 304 Stainless



ORDER NO.	Mfr. No.	A	B	C	Fastener
420-81101	081101-1	1/2"	7/16"	1-1/8"	#8 RH
420-81102	081102-1	5/8"	9/16"	1-3/8"	#10 RH

Note: Models 081101-1 and 081102-1 are packed in sets of 4 each.

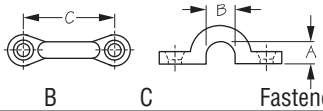
PAD EYE
Die Cast Zinc Chrome Plated



ORDER NO.	Mfr. No.	A	B	C	Fastener
420-81242 / set	081242-1	3/8"	1/2"	1-3/8"	#8 FH

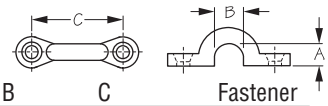
For part number 081242-1, one set includes five pad eyes.

PAD EYE
Forged Bronze Wire



ORDER NO.	Mfr. No.	Finish	A	B	C	Fastener
420-81270 / pr.	081270-1	Bronze	5/16"	3/8"	1-3/8"	#10 FH
420-81275 / pr.	081275-1	Chrome	5/16"	3/8"	1-3/8"	#10 FH
420-81276 / pr.	081276-1	Chrome	3/8"	1/2"	1-3/4"	#10 FH

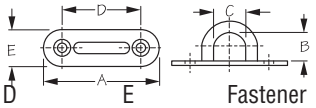
PAD EYE
Injection Molded Nylon



ORDER NO.	Mfr. No.	Color	A	B	C	Fastener
420-81310 / set	081310-1	Black	3/8"	1/2"	1-3/8"	#8 FH
420-81311 / set	081311-1	White	3/8"	1/2"	1-3/8"	#8 FH

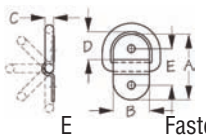
Note: Models 081310-1 and 081311-1 are packed 5 each per set.

OBLONG EYE PLATE
Stamped 304 Stainless

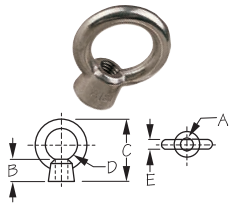


ORDER NO.	Mfr. No.	A	B	C	D	E	Fastener
420-89702	089702-1	2-9/16"	5/8"	3/4"	1-13/16"	3/4"	#12 FH

FOLDING D-RING
Stamped 304 Stainless



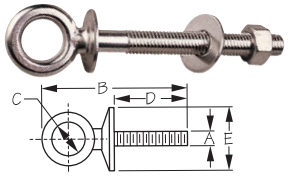
ORDER NO.	Mfr. No.	A	B	C	D	E	Fastener
420-90145	090145-1	2"	1-1/4"	1/4"	1"	1-1/4"	1/4 RH



EYE NUT - Investment Cast 316 Stainless

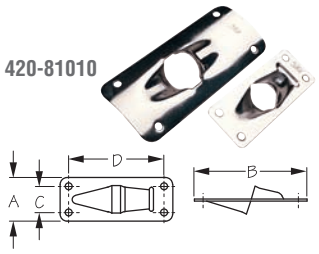
ORDER NO.	Mfr. No.	A	B	C	D	E
427-81060	078106-1	1/4"-20 NC	7/16"	1-1/4"	5/8"	3/16"
427-81080	078108-1	5/16"-18 NC	9/16"	1-1/2"	13/16"	1/4"
427-81100	078110-1	3/8"-16 NC	5/8"	1-7/8"	1"	5/16"

Designed to be screwed onto various lengths of threaded stock or bolts to accommodate varying transom thickness. Eye nuts have NC threads.



EYEBOLT WITH SHOULDER - Machined AISI 304 Stainless

ORDER NO.	Mfr. No.	A	B	C	D	E	Breaking Strength (lb.)
420-80488	080488-1	5/16" - 8mm	4-5/16"	5/8"	3"	1"	5,250

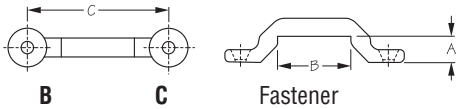


EXIT PLATE - Stamped 316 Stainless

ORDER NO.	Mfr. No.	A	B	C	D	Line Size	Style	Fastener
420-81010	081010	1-1/4"	3-1/4"	3/4"	2-3/4"	Up to 1/2"	Curved	#10 RH

Exit Plates are used to guide halyard from out of a mast or spar or from below deck and allow exterior adjustment of the halyard. Two sizes are available in both flat versions and curved versions for small masts or spars. The small exit plates have a stamped wear guard and the large exit plates have a welded stainless round bar wear guard.

TIE DOWN EYE STRAP
Forged Bronze Wire Chrome Plated



ORDER NO.	Mfr. No.	A	B	C	Fastener
420-81252 / pr.	081252-1	3/8"	2"	3-1/8"	#10 FH

Tie Down Eye Straps can be used for a multiple of hold down applications. Fits 1" and 2" webbing, they are used commonly to hold down batteries, fuel tanks, ice chests, life rafts, dinghies, etc.

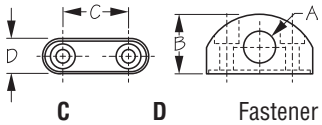
NEW!

TIE DOWN EYE STRAP
Forged 304 Stainless

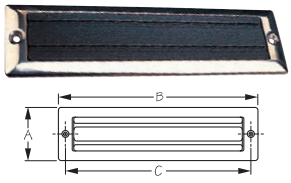
ORDER NO.	Mfr. No.	A	B	C	D	Fastener
420-81261 / pr.	081261-1	3/8"	1-1/16"	2-1/8"	5/16"	#10 FH
420-81265 / pr.	081261-1	3/8"	1-3/8"	2-1/4"	1/4"	#10 FH

Black

FAIRLEAD
Injection Molded Nylon

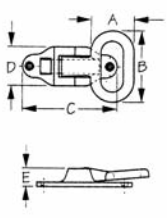


ORDER NO.	Mfr. No.	A	B	C	D	Fastener
420-82010 / ea.	082010	3/8"	3/4"	7/8"	7/16"	#8 RH



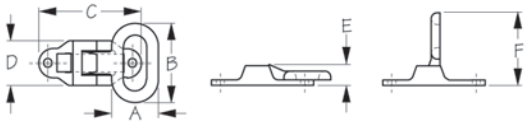
DECK STEP - Injection Molded Rubber/Stamped 304 Stainless

ORDER NO.	Mfr. No.	A	B	C	Fastener
423-28012 / pr.	328012-1	2-1/4"	8-3/8"	7-11/16"	#8 FH
423-28013 / pr.	328013-1	3-3/8"	8-7/8"	8-3/16"	#8 FH
423-28017 / pr.	328017-1	Replacement Pad for 328012			



423-22620

423-28020



FOLDING STEP - Sand Cast Brass Chrome Plated

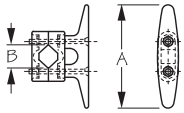
ORDER NO.	Mfr. No.	A	B	C	D	E	F	Fastener
423-22620	322620-1	2"	3-1/4"	4-5/16"	1-13/16"	13/16"	3-7/16"	#12 FH

FOLDING STEP - Investment Cast 316 Stainless

ORDER NO.	Mfr. No.	A	B	C	D	E	F	Fastener
423-28020	328020-1	3-3/8"	3-3/8"	4-3/8"	1-7/8"	7/8"	3-7/16	5/16" RH

RAIL MOUNT CLEAT

Injection Molded Nylon/Stainless Steel

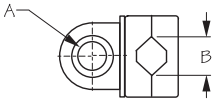


ORDER NO.	Mfr. No.	A	B
423-27111	327111-1	4-5/16"	7/8" - 1"

Ideal for easy attachment of fenders, flag halyards, canvas tie downs and related accessories. Includes a 043340 heavy duty black nylon cleat.

RAIL MOUNT FAIRLEAD WITH STAINLESS INSERT

Injection Molded Nylon/Stainless Steel

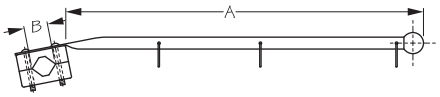


ORDER NO.	Mfr. No.	A	B
423-27112	327112-1	11/16"	7/8" - 1"

Allows easy routing of roller furling lines. The stainless insert allows use of wire lines if necessary. Includes a 082615 nylon fairlead with stainless insert.

RAIL MOUNT FLAGPOLE

Injection Molded Nylon/Stainless Steel

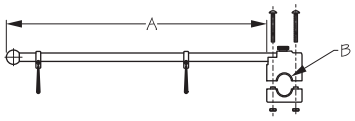


ORDER NO.	Mfr. No.	A	B
423-27120	327120-1	15-1/2"	7/8" - 1"

The Sea-Dog Rail Mount Flagpole comes complete with split rings for easy flag attachment.

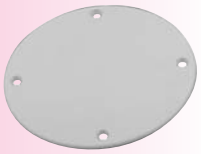
ADJUSTABLE RAIL MOUNT FLAGPOLE

Injection Molded Nylon & Polypropylene/Stainless Steel

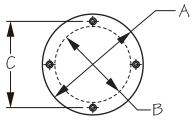


ORDER NO.	Mfr. No.	Size	B	C	Flagpole Included
423-27122	327122-1	17"	15-1/4"	7/8" - 1"	17"
423-27124	327124-1	30"	28-1/4"	7/8" - 1	30"

The Sea-Dog Adjustable Flagpole is made of highly polished, heavy wall stainless steel tubing. The flag is attached to the flagpole using nylon penant mounts with stainless steel spring wire quick release clips which are designed to hold their shape after continued use. Both penant mounts can move either direction on the flagpoles allowing flexibility in mounting various sizes of flags where the eyelets of the flag are less than the overall length of the flagpole. The 327122-1 & 327124-1 incorporate a rail mount flagpole holder for the 17" & 30" flagpoles that can attach to either 7/8" or 1" tubing.



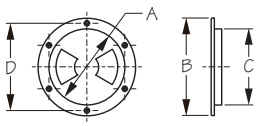
INSPECTION COVER - Injection Molded abs



ORDER NO.	Mfr. No.	Color	A	B	C	Fastener
423-37051	337051-1	White	5-5/8"	4-1/4"	4-13/16"	#10 FH

SCREW OUT DECK PLATE - Injection Molded ABS

Sea-Dog Line deck plates are molded to the highest standards using top quality UV stabilizers and anti-oxidants. Use silicone sealant on hull or deck surface when installing the deck plate ring.
Keep threads clean with hot, soapy water. Lubricate with Vaseline or Teflon grease.
NOTE: Avoid contact with acetone or strong solvents.

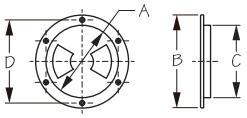


ORDER NO.	Mfr. No.	A	B	C	D	Colour	Fastener
423-37140	337140-1	4-7/16"	5-3/4"	4-1/2"	5-1/8"	White	#8 FH
423-37145	337145-1	4-7/16"	5-3/4"	4-1/2"	5-1/8"	Black	#8 FH
423-37150	337150-1	5-7/16"	6-3/4"	5-1/2"	6-1/8"	White	#8 FH
423-37160	337160-1	6-1/2"	8-1/8"	6-1/2"	7-1/4"	White	#8 FH
423-37165	337165-1	6-1/2"	8-1/8"	6-1/2"	7-1/4"	Black	#8 FH

SCREW OUT DECK PLATE WITH CLEAR COVER - Injection Molded ABS/Polycarbonate

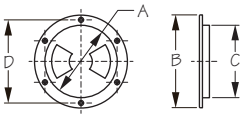
ORDER NO.	Mfr. No.	A	B	C	D	Colour	Fastener
423-37161	337161-1	6-1/2"	8-1/8"	6-1/2"	7-1/4"	White	#8 FH

The Sea-Dog Screw Out Deck Plate with clear polycarbonate lid allows visual inspection of watertight compartments, storage lockers and fuel fittings without removing the lid.
Use silicone sealant on hull or deck surface when installing the deck plate.
Lubricate with Teflon grease or Vaseline and clean with hot, soapy water.
NOTE: Avoid contact with acetone or strong solvents.



QUARTER-TURN DECK PLATE - Injection Molded ABS/Polycarbonate

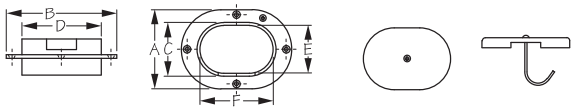
Sea-Dog Line's Quarter-Turn Deck Plate is UV stabilized and features a new locking system that prevents over tightening, jamming and cross threading. Easy to open and close.
A specially engineered lubricated gasket is used in conjunction with a knife edge for a leak tested seal. Patent pending.



ORDER NO.	Mfr. No.	A	B	C	D	Colour	Texture	Fastener	Std. Pk.
423-36140	336145-1	4-1/2"	6-1/8"	4-1/2"	5-3/8"	Black	Smooth	#8 FH	Each
423-36167	336167-1	6-1/2"	8-1/8"	6-1/2"	7-3/8"	Black	Textured	#8 FH	Each

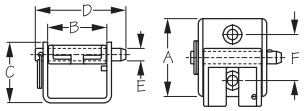
SEA-DOG LINE QUALITY MARINE GEAR

CHAIN DECK PIPE
Investment Cast 316 Stainless



ORDER NO.	Mfr. No.	A	B	C	D	E	F	Fastener
423-21800	321800	4-1/16"	5-5/8"	2-3/4"	4-1/8"	2-1/2"	3-3/4"	#10 FH

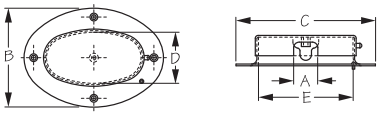
CHAIN STOPPER
Stamped 304 Stainless



ORDER NO.	Mfr. No.	A	B	C	D	E	F	Fastener
423-21825	321825-1	3-1/8"	2-3/8"	2-7/16"	3-5/8"	1/2"	1-7/8"	3/8" FH

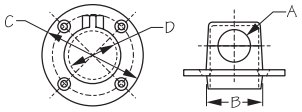
Chain stoppers for Sea-Dog and comparable bow rollers. Mounts alone or inside most bow rollers. #423-21825 fits chain sizes 5/16" - 3/8". Chain stoppers help prevent damage to windlass.

CHAIN DECK PIPE
Forged Brass Chrome Plated



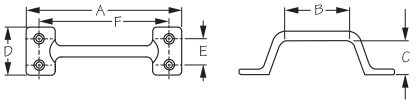
ORDER NO.	Mfr. No.	A	B	C	D	E	Fastener
423-22070	322070	1"	4-1/2"	6-1/4"	2-5/16"	4"	#8 FH
423-22075	322075-1	Replacement Cap & Chain					

HINGED CHAIN DECK PIPE
Die Cast Brass Chrome Plated



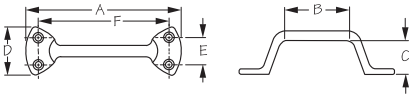
ORDER NO.	Mfr. No.	A	B	C	D	Fastener
423-22080	322080-1	1"	1-3/4"	3-1/8"	1-1/2"	#8 FH

LIFT HANDLE
Sand Cast Brass Chrome Plated



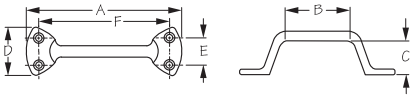
ORDER NO.	Mfr. No.	A	B	C	D	E	F	Fastener:
422-22340	222340-1	4-3/4"	2-5/8"	13/16"	1-1/4"	5/8"	4-1/16"	#10FH

LIFT HANDLE
Sand Cast Brass Chrome Plated



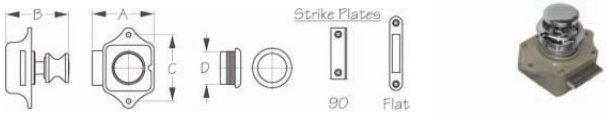
ORDER NO.	Mfr. No.	A	B	C	D	E	F	Fastener:
422-22350	222350-1	5-3/4"	2-5/8"	1-1/4"	1-3/4"	1"	4-3/4"	#8FH

LIFT HANDLE
Die Cast Zinc Chrome Plated



ORDER NO.	Mfr. No.	A	B	C	D	E	F	Fastener:
422-24260 (ea)	224260-1	5-7/8"	2-3/4"	1-3/8"	2"	1-1/8"	4-15/16"	#10FH

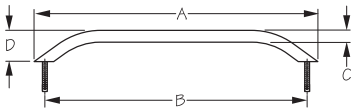
PUSH BUTTON RIM LATCH
Brass/Plastic Housing



ORDER NO.	Mfr. No.	A	B	C	D	Max Door Thickness	Finish on Brass	Fastener
422-24300 (ea)	224300-1	1-15/16"	1-7/8"	2-1/16"	1"	1"	Polished Chrome	#6RH

STUD MOUNT HAND RAILS

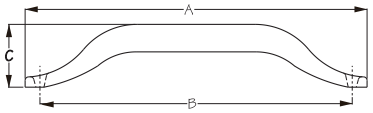
304 Stainless Steel



ORDER NO.	Mfr. No.	Description	Rail Height	Tube O.D.	Fastener
422-54106 / ea.	254106-1	6" Stud Mount Hand Rail	2"	3/4"	5/16" x 18
422-54112-1 / ea.	254112-1	12" Stud Mount Hand Rail	2"	3/4"	5/16" x 18

SURFACE MOUNT HAND RAIL

Formed 304 Stainless



ORDER NO.	Mfr. No.	A	B	C	Finish	Tube O.D.	Fastener
422-54312	254312-1	12-1/4"	11-3/16"	2-3/8"	Stainless	1"	5/16" FH
422-54318	254318-1	18-1/4"	17-3/16"	2-3/8"	Stainless	1"	5/16" FH
422-54324	254324-1	24-1/4"	23-3/16"	2-3/8"	Stainless	1"	5/16" FH

LED STUD MOUNT HAND RAIL

Formed 304 Stainless

ORDER NO.	Mfr. No.	A	B	C	D	E	LED Colour	Fastener
422-54509	254509-1	10"	7-7/8"	2-1/2"	1-3/4"	6-1/2"	Blue	5/16"-18 Nut
422-54512	254512-1	13"	10-7/8"	2-1/2"	1-3/4"	9-1/2"	Blue	5/16"-18 Nut
422-54518	254518-1	19"	16-7/8"	2-1/2"	1-3/4"	15-1/2"	Blue	5/16"-18 Nut

*Heavy-duty stainless steel springs provide an extremely strong catch mechanism to securely hold doors and hatches. Stainless steel mounting steel.

For more information see: www.sea-dog.com

DetMar CORPORATION

SAFETY GRAB HANDLE

This attractively styled Grab Handle may be used as an economical safety device throughout passenger areas. Molded of high impact plastic, this rugged handle has a soft leather grained vinyl covering for a comfortable, no slip grip which won't corrode or discolour in harsh marine environments. The Grab Handle mounts by through bolting with two 1/4" pan or round head machine screws. Once installed, decorative caps snap over mount holes so no fasteners are visible. Handle measures 9-1/4" long with a 6-3/4" bridge length and 1-5/8" finger clearance.

ORDER NO. 101-21132 - Black (each)

For more information see: www.detmarcorp.com

STAINLESS STEEL 9" GRAB RAIL

9" stainless steel grab rail with Santoprene™ rubber grip. (Black)
2 available models:

ongaro EST. 1958

SCHMITT Marine Steering Wheels

Top Mounted w/ 1/4-20 studs (Studs not included)
ORDER NO. 856-02010
Mfr. No GRB0201

For more information see: www.schmittongaromarine.com

SEA-DOG LINE QUALITY MARINE GEAR

DISPLAY - EYES, STRAPS & U-BOLTS

Contains:

ORDER NO.	Qty	Sea-Dog#	Description
420-79133	2 ea	079133-1	Chrome Zinc Bow Eye 3/8" x 3""
420-79233	2 ea	079233-1	Chrome Zinc Twin Shank Bow Eye 5/16" x 3"
420-80033	2 ea	080033-1	Stainless Bow Eye - 3/8" x 2-1/2"
420-80055	2 ea	080055-1	Stainless Bow Eye - 7/16" x 3-1/2"
420-80085	2 ea	080085-1	Stainless Bow Eye - 1/2" x 3-1/2"
420-80187	2 ea	080187-1	Stainless Stern Eye 1/2" x 4-3/4"
420-80488	2 ea	080488-1	Stainless Eyebolt - 9/16"D 5/16" x 3-3/16"
420-81102	2 set	081102-1	Stainless Steel Pad Eye - 9/16" x 9/16"
420-81200	2 pair	081200-1	Stainless Steel Pad Eye - 5/16"
420-81242	2 set	081242-1	Chrome Zinc Pad Eye - 3/8"
420-81261	2 pair	081261-1	Stainless Tie Down Eye Strap 1-1/4"
420-81265	2 pair	081265-1	Stainless Tie Down Eye Strap 1-3/8"
420-81270	2 pair	081270-1	Brass Pad Eye - 5/16"
420-81275	2 pair	081275-1	Chrome Bronze Pad Eye - 5/16"
420-81310	2 set	081310-1	Nylon Pad Eye - 3/8" (Black)
420-90145	2 ea	090145-1	Stainless Folding D-Ring - 2"

ORDER NO.	Mfr. No.
429-16017	916017

DISPLAY - BOAT FILLS, CAPS & KEYS

Contains:

ORDER NO.	Qty	Sea-Dog#	Description
423-35690	2 ea	335690-1	Stainless Universal Deck Plate Key
423-51320	2 ea	351320-1	Stainless Cast Hose Deck Fill Gas 1-1/2"
423-51390	1 ea	351390-1	Replacement Cap / Chain for #351320-351323
423-51391	2 ea	351391-1	Replacement Cap / Chain for #351350-351353/ 351620 & 351621/351330 & 351331
423-51393	1 ea	351393-1	Replacement Cap for 351340
423-51399	2 ea	351399-1	Cast Stainless Deck Fill Key
423-51750	2 ea	351750-1	Chrome Zinc Gas Fill with Splash Guard
423-51755	1 ea	351755-1	Replacement Cap for #351750
423-57015	2 ea	357015-1	Cap for 357010 - Gas (Red)
423-57016	2 ea	357016-1	Cap for 357011 - Diesel (Green)
423-57017	2 ea	357017-1	Cap for 357013 - Water (Blue)
423-57018	2 ea	357018-1	Cap for 357014 - Waste (Black)
423-57090	2 ea	357090-1	Replacement Flip Cap - Gas (Red)
423-57091	2 ea	357091-1	Replacement Flip Cap - Diesel (Green)
423-57093	2 ea	357093-1	Replacement Flip Cap - Water (Blue)
423-57094	2 ea	357094-1	Replacement Flip Cap - Waste (Black)
423-57399	2 ea	357399-1	Nylon Deck Fill Key

ORDER NO.	Mfr. No.
429-16021	916021

UNDER PLATFORM

UNDER PLATFORM SLIDING LADDER

- Designed for under platform use - stows easily and compactly
- Ideal for installations under swim platforms or under the deck on bow or side of pontoon boats
- Nylon bushings between ladder sections prevent inadvertent deployment when flipping ladder into the water
- Ladder stows compactly within its own length
- Spring loaded self-locking for stowage
- 304 stainless steel - rated to 400 lbs.
- Flat poly treads for increased comfort

Specifications:
3 Steps, Length Deployed: 33.5" (85cm)
Length Stowed: 16" (41cm)
Overall height: 3" (8cm)
Width: 11.5" (29cm)
Support Frame Length:
14.75" (37cm)L x 13.75" (35cm)W
Three 1/4", mount holes each side, 6" spacing

ORDER NO. 459-19643
Mfr. No. 19643

OUT OF SIGHT UNDER PLATFORM TELESCOPIC 3 STEP LADDER

- Steps telescope down easily
- Ladder slides up, under platform for stowage
- Flat poly treads for increased comfort
- Mounting hardware and securing strap included
- Self-locking angled support bracket
- 304 Stainless Steel - rated to 400 lbs
- Dimensions :L Deployed: 34.5” (88cm), L stowed: 14.5” (37cm) Overall height 2.5” (6cm), W 11.63” (30cm)

ORDER NO. 459-19623
Mfr. No. 19623-61

TELESCOPING TRANSOM LADDER

- Designed to allow for boarding at transom – mounts directly on transom
- Folds down and telescopes into the water
- Self-locking brackets hold ladder secure against transom
- 4 steps allow for comfortable angled step up access under waterline
- 304 Stainless Steel - rated to 400 lbs
- Bungee cord securing strap included
- Nylon bushings between ladder sections provide smooth deployment

Specifications:
4 Step, L: Deployed: 34.5" (88cm), L stowed: 14.5" (37cm),
Overall height: 1.5" (4cm), W: 12" (31cm)

ORDER NO. 459-19684
Mfr. No.19684:01

For more information see:
www.garelick.com

BOARDING LADDERS

SPORT/DIVER LADDERS

SPORT/DIVER LADDER

- Angled Design for stair-like ease of boarding
- 2-1/4" Diameter center vertical allows easy use with diving gear
- Oval steps with textured surface
- Stainless steel quick release transom mounting bracket and ladder storage brackets included
- Heavy duty – Rated to 400 lbs. (181 kilos) boarding weight
- Designed for all vertical, horizontal and breakaway mounting hardware options

ORDER NO.	Mfr. No.	Description	Dimensions
459-19803	19803:01	3-Step	38"L X 13"W
459-19804	19804:01	4-Step	48"L X 13"W

STAINLESS STEEL SPORT/DIVER LADDER

- Designed for all vertical, horizontal and breakaway mounting hardware options
- Superior corrosion resistant, electropolished stainless steel.
- Easy boarding – for swimmers or divers with fins and heavy gear.
- Center post design – angled mount for stair like ease. Quick release transom mount bracket makes attachment easy.
- Heavy duty – rated to 400 lbs. (181 kilos) boarding weight
- Comfortable non-skid step surface.

Mounting Hardware Included

Center vertical 1.75" diameter electropolished stainless steel tube. Welded stainless cross steps, non-slip oval shaped aluminum steps.

ORDER NO.	Mfr. No.	Length	Width
459-19833	19833	37"	14.5"

3-Step

TELESCOPING STAINLESS STEEL SPORT DIVER LADDER

Transom Mount

- Superior corrosion resistant electropolished stainless steel
- Easy boarding – for swimmers or divers with fins and heavy gear
- Dual 1.25" (3cm) center post design – angled mount for stair-like usability
- Heavy-duty – Rated to 400 lbs. (181kg) boarding weight
- Comfortable non-skid step surface

Folded

Specifications:
3 Steps, Includes Stainless Quick Release Transform Mounting Bracket (# 459-99180)
34" (86cm)L x 13.5" (34cm)W
Folded up for storage: 17" (43cm)

ORDER NO. 459-19843
Mfr. No. 19843

TELESCOPING STAINLESS STEEL GUNWALE EEZ-IN HOOK LADDER

- Compact design stows ladders in less space in storage locker
- Comfortable contour black traction molded poly steps
- Thick 1" (3cm) diameter electro-polished Stainless Steel tubing – 250 lbs capacity
- Thick vinyl covered 11" folding hooks
- One piece all aluminum adjustable standoffs with cuhioned tips
- Includes securing strap

3-Step Ladder Steps telescope closed and hooks fold flat for compact storage

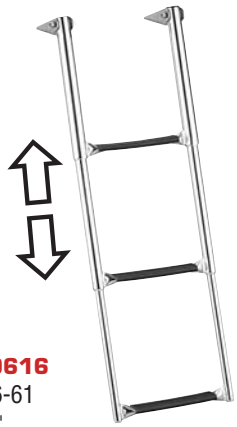
ORDER NO.	Mfr. No.	Description	Hook	Dimensions Stowed	Dimensions Deployed
459-61310	06131:01	3-Step	11"	21"L X 16"W	39"L X 16"W
459-61410	06141:01	4-Step	11"	32"L X 16"W	51"L X 16"W

Traction Molded Composite Step, 1" (3 cm) diameter electro polished Stainless Steel 16" (41 cm) x 2.5" (6 cm) x 1.5" (4 cm)

OVER PLATFORM TELESCOPING DROP LADDER

Stainless Steel

- Steps – Fold out and over, telescope down easily
- Compact Stowage – Steps fold over flat on platform
- Flat poly treads for increased comfort
- Electropolished 304 Stainless Steel
- Standard folding gudgeons, 6" L
- Securing strap included
- Rated to 250 lbs.



ORDER NO. 459-19615
2 Step - Mfr.No. 19615-61
Length Deployed: 23.5"
Length Stowed: 13.5"
Overall Height: 1.25"
Width: 11.25", L of gudgeons: 5.75"

ORDER NO. 459-19616
3 Step - Mfr.No. 19616-61
Length Deployed: 34.5"
Length Stowed: 14.5"
Overall Height: 1.25"
Width: 11.5", L of gudgeons: 7"

ORDER NO. 459-19617
4 Step - Mfr.No. 19617-61
Length Deployed: 45.5"
Length Stowed: 15.5"
Overall Height: 1.5"
Width: 12", L of gudgeons: 6.5"

6-STEP WIDE BODY OVER PLATFORM TELESCOPIC LADDER

- Wide body 16" (41cm) design and extra length – make it easier and more comfortable to use
- Two extra steps into the water adds 24" (61cm) length – overall length deployed over 5-1/2'
- For larger boat installations at transom playform
- 6 Steps fold out and over, telescopic down easily
- Compact stowage – steps fold over the onto the platform
- Flat poly treads for increased comfort and traction
- Heavy duty 6" folding gudgeons for easy mounting
- Full 2" (5 cm) diameter main body 304 staiknless steel – weight capacity to 400 lbs.
- Bungee cord securing strap included
- Nylon bushings between ladder sections provide precision sliding and prevents inadvertent deployment when flipping ladder body into the water

- Dimensions: L Deployed: 367.5" (171cm), L stowed: 19.75" (50cm)
  Overall height 2.25" (6cm), W 16" (41cm), L of heavy duty gudgeons 6" (15cm)

Stowed

Mfr. No. 19686:01
ORDER NO. 459-19686

OVER PLATFORM TELESCOPING LADDER

459-19656

Stowed
459-19656

- Steps - fold out and over, telescope down easily
- Compact stowage - steps fold over flat on platform
- Comfortable black contour traction molded steps
- Standard folding gudgeons
- 304 stainless steel - rated to 275 lbs.
- Black poly steps
- Nylon bushings between ladder sections prevent inadvertent deployment when flipping ladder into the water

- 3 Step, L - deployed: 34.5" (88cm), L stowed: 16" (41cm), Overall height: 1.25" (3cm), W: 11.5" (29cm), L of gudgeons: 7" (18cm)

ORDER NO. 459-19656 Mfr. No. 19656:01

- 4 Step, L - deployed: 45.5" (116cm), L stowed: 27.5" (62cm), Overall height: 1.50" (4cm), W: 12" (30.5cm), L of gudgeons: 7" (18cm)

ORDER NO. 459-19657 Mfr. No. 19657:01

PONTOON BOARDING LADDERS

REMOVABLE PONTOON FOLDING BOARDING LADDER

- Folds down to 4 steps; hooks fold and ladder stows in locker underneath furniture
- Securing clip included
- Sturdy design with overrail hooks for easy boarding
- Lightweight anodized aluminum 1" (3cm) diameter resists corrosion
- Attaches easily to deck at side gate for temporary or permanent mounting
- Comfortable contour black traction molded steps
- 400 lb. capacity
- 4 Step, Fold Down: L: 30" + 13" (76cm + 33cm), W: 16" (41cm)

Mfr. No. 12350
ORDER NO. 459-12350
(Includes Shur-Loc catches 459-76000)

Mfr. No. 12350-21:01
ORDER NO. 459-12350-21
(Includes Deck Mounting Cups 459-99076)

PREMIUM FOLDING PONTOON TRANSOM BOARDING LADDER

- Permanent mount at transom, ideally at stern gate door
- Folds down for easy boarding
- Comfortable black contour traction molded steps extra deep for added step surface (5" x 12")
- Durable 1" (3 cm) diameter anodized aluminum tube
- Includes securing clip, and second step abuts end of pontoon log
- 400 lb. capacity
- 2 - 4 Step, Fold Down: L: 14" + 32" (36cm + 81cm)
  OL: 46" (117cm), 16" (41cm)

Mfr. No. 12380:01
ORDER NO. 459-12380

For more information see: www.garelick.com

PONTOON SWIM LADDER

- Use at side gate or transom
- Attaches easily to deck with included Shur-loc catches
- Vinyl sleeves on verticals protect pontoon
- Hooks fold flat for stowage
- Durable 1" (3 cm) diameter Anodized aluminum tube
- Comfortable white traction molded poly steps

ORDER NO.	Mfr. No.	Length	Width
459-15240	15240	50"	15"
4-Step			

For more information see: www.garelick.com

COCKPIT STEPS & FOOTRESTS

Value Priced Varnished Oak Treads

WHITE POLYMER FOOTREST

- Used with Helm seat or Pilot Chairs for comfort
- Eliminates dangling feet while piloting

SPECIFICATIONS:
Heavy duty wrap-around aluminum extrusion with brushed anodized aluminum finish.
High density polyethylene traction grooved step.
7.5" height x 15" width x 8.25" depth.

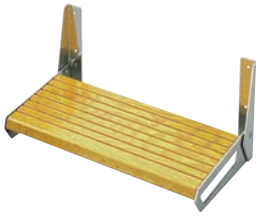
ORDER NO. 459-27415
Mfr. No. 27415

TEAK FOOTREST

- Heavy duty wrap around aluminum extrusion with brushed anodized aluminum finish and teak inserts.

SPECIFICATIONS:
7.5" height x 8.25" depth.

ORDER NO. 459-27515
15" Width
Mfr. No. 27515



OAK FOOTREST

- Used with Helm seat or Pilot Chairs for comfort
- Eliminates dangling feet while piloting

SPECIFICATIONS: Stamped aluminum folding side brackets.
Varnished Oak traction grooved step.
7.5" height x 8.25" depth.

ORDER NO. 459-26015
15" Width
Mfr. No. 26015

LADDER HARDWARE

SHUR-LOC LADDER CATCHES

- Bracket mounts to hull or deck for attaching EEz-In® Latch type boarding ladders and cockpit steps
- Allows permanent or temporary mounting
- Stamped stainless steel
  - Self locking design

ORDER NO. 459-76000
Mfr. No. 76000
Pair - 2.5" H x 1.75" W

REPLACEMENT TRANSOM MOUNTING BRACKET

- Included with all sport/diver series ladders
- 1" (3cm) thick poly spacer, 10 ° angle
- With lock and stainless face plate mounting bracket
- Mounting hole diameter: 5/16" (1cm)

Mfr. No 99180
ORDER NO. 459-99180

ALUMINUM LADDER STANDOFFS

- Supports ladders against hull
- Fits traction molded poly step
- Cushioned tip - Helps protect hull
- 4.5" (11cm) length, pair

Mfr. No.99000
ORDER NO. 459-99000

LADDER MOUNT KIT

- Stainless Steel
- 10 x 3/4" /8 pcs.

Mfr. No 462A
ORDER NO. 754-00462A

For more information see: www.handimanmarine.com

For more information see: www.garelick.com

TRANSOM PLATFORM WITH TELESCOPING LADDER

459-19536

For use on Outboard Transoms

- Durable HDPE platform is pre-drilled for easy assembly
- For use on Outboard Transoms
- Mounts at 10° angle on Transom
- Ladder Steps – Telescope down easily
- Flat Poly treads for extra comfort
- One stainless wraparound rail and one underside support rail, both 1" (3cm) diameter reversible
- With 2-Step telescoping ladder

Dimensions: 18"W x 19"D x .75" Thick (46 x 48 x 2cm)
Rail Height above and below platform: 11.5" (32cm)
Ladder: Stainless Steel – 2 steps
Length deployed: 23.5" (60cm)
Length stowed: 13.5" (34cm) Overall Height: 5" (13cm)
Width: 11.25" (29cm)

ORDER NO. 459-19536
Mfr. No. 19536
- Vertical slide up, under platform for stowage
- For use on outboard Transoms

459-19537

ORDER NO. 459-19537
Mfr. No. 19537
- Vertical slide up, over platform for stowage

OUTBOARD SWIM PLATFORM WITH FOLD DOWN LADDER STEP

- Mounts at 10° angle on Transom
- For use on outboard Transoms
- Durable HDPE platform is predrilled for easy assembly
- Stainless Steel hardware
- One Stainless wrap around rail and one underside support rail, reversible
- 1" (3cm) Diameter Stainless Steel

With 1 step fold-down ladder, 13"L x 14.5"W (33 x 37cm).
Platform: 18" Wide x 15.5" Deep x .75" Thick (46 x 32 x 2cm).
Rail Height above and below platform: 12.5" (32 cm)

ORDER NO. 459-19535
Mfr. No. 19535

TRANSOM PLATFORM WITH TELESCOPING LADDER

- Durable HDPE platform is predrilled for easy assembly
- Mounts at 10° angle on Transom
- Ladder steps telescope down easily
- Flat poly treads for extra comfort
- Two 1" (3 cm) diameter stainless wrap around rails

Dimensions: 18"W x 19"D x .75" Thick (46 x 48 x 2cm)
Height above platform: 11.5" (32cm)
Ladder: Stainless Steel – 2 steps
Length deployed: 23.5" (60cm)
Length stowed: 13.5" (34cm) Overall Height: 5" (13cm),
Width: 11.5" (29cm)

ORDER NO. 459-19546
Mfr. No. 19546
- Vertical slide up, under platform for stowage
- For use on I/O Transoms

For use on I/O Transoms

459-19546

459-19547

ORDER NO. 459-19547
Mfr. No. 19547
- Vertical slide up, over platform for stowage

For more information see: www.garelick.com

I/O SWIM PLATFORM WITH FOLD DOWN LADDER STEP

- For use on inboard/outboard Transoms
- Mounts at 10˚ angle on Transom
- Durable HDPE platform is predrilled for easy assembly
- Stainless Steel hardware
- 1" (3 cm) diameter Stainless Steel
- Two stainless wrap around rails

With 1 step fold-down ladder,
13"L x 14.5"W (33 x 37cm)

Platform:
18" Wide x 19" Deep x .75" Thick (46 x 48 x 2cm)

Rail Height above platform: 11.5" (29cm)

ORDER NO. 459-19545
Mfr. No. 19545

For use on I/O Transoms

For more information see: www.garelick.com

SWIM PLATFORM

- **Enhance Appearance**
- **Eliminate Maintenance**
- **Save Weight**
- **Reduce Cost**

101-01519

Colour: Ivory
Material:
High Strength Polypropylene

Detmar designed platforms are molded of high-strength,reinforced polypropylene that will not bleach, fade or crack in harsh sun and salt water environments. Easy to clean. Platform measures 19-1/2"W x 16"D and features an attractive woodgrain finish with no-slip ribbing. Fold down stainless steel ladder features soft molded vinyl step for boarding comfort. Ladder is hinged underneath platform, keeping attachment hardware out from underfoot. Ladder folds into molded recess for secure running. All stainless steel fasteners included.

I/O - O/B Swim Platform - With one wraparound S.S. rail and one underside bracket and support tube.
ORDER NO. 101-01522 Mfr. No. 10-15-22C

I/O Swim Platform - With twin wraparound S.S. rails
ORDER NO. 101-01519 Mfr. No. 10-15-19C

For more information see: www.detmarcorp.com

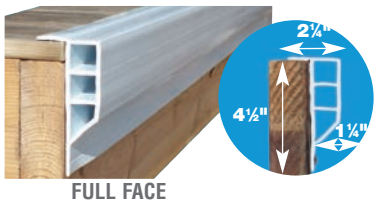
For more information see:
www.garelick.com

DOCK BUMPER PROFILES

DOCK EDGE

STANDARD HEAVY DUTY PROFILES

These profiles are constructed of marine grade flexible PVC, will not chip or crack under normal usage, and are unaffected by oil, gas or salt water. UV Stabilizers prevent yellowing, deterioration from sunlight and unsightly blotching.
Protect your investment with a durable Commercial Grade Protection System.



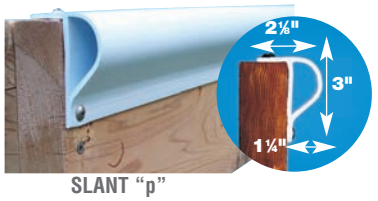
FULL FACE

FULL FACE: Ideal for larger applications, this Profile provides extra strength and security against damage to boats or property. Double internal channels with cross girder adds additional protection from impacts and provides a large contact area.
ORDER NO. 440-11600 16' Roll Full Face **White**
ORDER NO. 440-11160-3B 3x8' Lengths - (24') Full Face **Black**

SMALL "p"

SMALL"p": Perfect for small outboards or personal watercraft. Will retain resiliency and brilliance for years. Can be installed in minutes.
ORDER NO. 440-11700 16' Roll Small "p" **White**
ORDER NO. 440-11180-3B 3x8' Lengths - (24') Small "p" **Black**

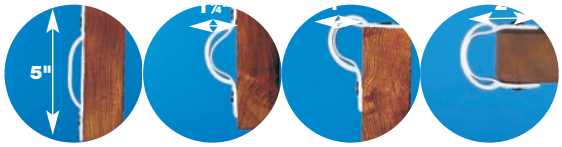
PROUDLY MADE IN CANADA FABRIQUÉ AU CANADA CANADIAN



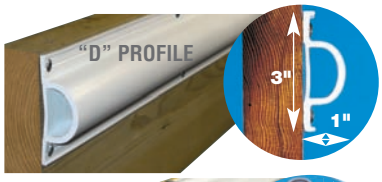
SLANT "p"

SLANT "p": Provides a larger contact area for added protection, combined with resiliency and durability.
ORDER NO. 440-11800 16' Roll Slant "p" **White**
ORDER NO. 440-11170-3B 3x8' Lengths - (24') Slant "p" **Black**

UNIVERSAL 4-WAY: Unique design allows mounting in several configurations to suit any application. Mount flat on your dock for traditional use, as a heavy-duty double wall fender, or as a corner protector. Can be used on pilings with equal effectiveness. Prevent boat damage during docking with this UNIVERSAL Profile. Stainless steel or aluminum fasteners recommended for maximum durability. **White only**.
ORDER NO. 440-10100 25' Roll Universal

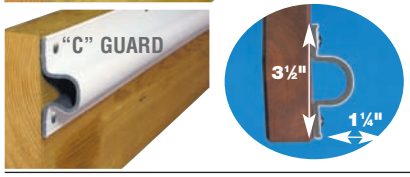


FLEXIBLE PVC



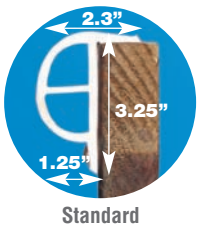
"D" PROFILE: This versatile and strong profile without a lip can be mounted vertically or horizontally anywhere on the dock face. Great for pilings too. Made of Marine Grade PVC with UV Inhibitors and Fungicide. Packaged in easy to use rolls for fewer joints.
ORDER NO. 440-11900 16' roll "D" Profile, **White**

DOCK GUARD: The economy Dock Guard Co-Extruded Profile can be used in light to medium duty applications. It features a raised lip for gunwale protection on Ski and Bass boats.
ORDER NO. 440-11340 Dock Guard, **White**e (24' / CTN) 4x6' Lengths
ORDER NO. 440-11360 Dock Guard, **White** (10' / CTN)



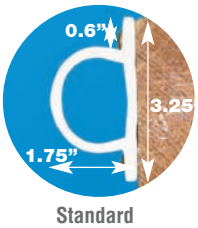
"C" GUARD: This economy "C" Shape Profile is made of Marine Grade PVC with UV Inhibitors to exacting standards. It will not crack or distort with temperature extremes.
It comes in easy to install 6 Ft. Lengths and can be used on flat surfaces as well as on pilings.
ORDER NO. 440-11330 "C" Guard, **White** (24' / CTN) 4x6 Lengths
ORDER NO. 440-11320 "C" Guard, **White** (10' / CTN)

HEAVY "p"



Standard

HEAVY "D"



Standard

HEAVY SLANT "p"

Standard

PRODOCK COMMERCIAL GRADE PROFILES

- Heavy duty profiles
- Manufactured from premium grade, virgin PVC, with UV inhibitors and fungicide.

HEAVY "p"	Standard	**440-01200-3**	Packaged in 8 Ft. Lengths, 24 Ft. /Carton, **White**
HEAVY "D"	Standard	**440-01205-3**	Packaged in 8 Ft. Lengths, 24 Ft. /Carton, **White**
HEAVY SLANT "p"	Standard	**440-01210-3**	Packaged in 8 Ft. Lengths, 24 Ft. /Carton, **White**

For more information see:www.dockedge.com

FLEXIBLE PVC

AIR CUSHION PROFILE

AIR CUSHION

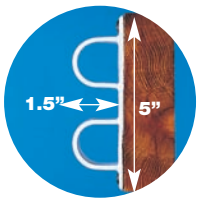
Air trapped inside these profiles cushions impact just like a pressurized fender, but mount permanently, exactly where needed, for full time protection.

DOUBLE "D"

Provides double the protection with two air-filled channels. Uses small corners, end plugs and connectors sold separately. Easily installed horizontally or vertically on any dock or boat house.
Requires 2 End Plugs or Connectors for each joint.

ORDER NO. 440-10020-5
Double D, **White** (40' / CTN) 5x8' Lengths

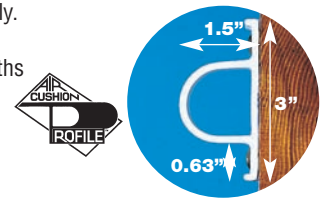
ORDER NO. 440-10021-5
Double D, **Blue** (40' / CTN) 5x8' Lengths



SINGLE"D"

Install on any horizontal or vertical surface. Ensures peace of mind for any runabout or personal watercraft owner. Uses small corners, end plugs and connectors sold separately.

ORDER NO. 440-10040-10
Single D, **White** (80' / CTN) 10x8' Lengths



SINGLE "P"

Easily installed on any horizontal or vertical surface. Large "P" section with large air volume provides excellent protection. Uses large corners, end plugs and connectors sold separately.

ORDER NO. 440-10010-4
Single P, **White** (32' / CTN) 4x8' Lengths

ORDER NO. 440-10010-4B
Single P, **Black** (32' / CTN) 4x8' Lengths

ORDER NO. 440-10011-4
Single P, **Blue** (32' / CTN) 4x8' Lengths

PROUDLY MADE IN CANADA FABRIQUÉ AU CANADA CANADIAN

Connect AIR CUSHION™ Profiles for a seamless appearance using Connectors for end-to-end joints, Outside 90° Corners and finish the seamless AIR CUSHION™ System with End Plugs.

CONNECTORS

440-10280	**White**	Large Connector, 2/ Bag
440-10290	**White**	Small Connector, 4/ Bag
440-10281	**Navy Blue**	Large Connector, 2/ Bag
440-10291	**Navy Blue**	Small Connector, 4/ Bag

CORNERS

440-10480	**White**	Large Outside Corner, 2/ Bag
440-10490	**White**	Small Outside Corner, 4/ Bag
440-10481	**Navy Blue**	Large Outside Corner, 2/ Bag
440-10491	**Navy Blue**	Small Outside Corner, 4/ Bag

PREMIUM CORNERS

440-10520	White	Large Premium Outside Corner, 1Pc/Pk

END PLUGS

440-10260	**White**	Large End Plug, 2/ Bag
440-10270	**White**	Small End Plug, 4/ Bag
440-10261	**Navy Blue**	Large End Plug, 2/ Bag
440-10271	**Navy Blue**	Small End Plug, 4/ Bag

PVC SOLVENT, CLEAR

Ideal for cementing all Corners, End Plugs and Connectors for AIR CUSHION™ profiles. May be subject to shipping restrictions.

ORDER NO. 440-10510

MOUNTING SCREWS

Stainless Steel will prevent unsightly staining caused by corrosion. Recommended for all profiles.S.S., 100/Pk, Includes driver bit.

ORDER NO. 440-10060

SUPER FULL FACE

Extra-wide Profile surface. Co-extruded **HEAVY DUTY** ribbed vinyl construction with bright white finish. Molded-in UV Inhibitors and Fungicides.
Ideal for marinas, dock builders and commercial applications.
1⅜" Mounting flanges, 1¼" Deep, 8" Over-all height.

ORDER NO. 440-12300-2 Super Full Face, **White**, 2 x 6 Ft. 12 Ft. /Carton

CORNEREDGE

Is the answer to every boater's docking problems.
Like all Profiles, it is constructed of marine grade flexible PVC, developed not to chip or crack under normal usage. Unaffected by oil, gas or salt water. UV and Fungus Inhibitors prevent fading, yellowing, deterioration from sunlight and unsightly blotching. This exceptionally strong Profile is further reinforced by two internal supports, making it ideal for every application. May be applied on any horizontal or vertical dock corner or piling.

ORDER NO. 440-10500-6 Corneredge (48' / CTN) 6x8' lengths

For more information see: www.dockedge.com

DOCK BUMPERS & PROFILES

BOAT SAVER™
SUPER SAVER™

Developed specifically for AIR CUSHION™ spot protection. It's like having a fender mounted just where you need one the most. Order several for complete protection. Can be mounted vertically or horizontally on docks, pilings or boat houses. Combine with other high quality Profiles for total protection.

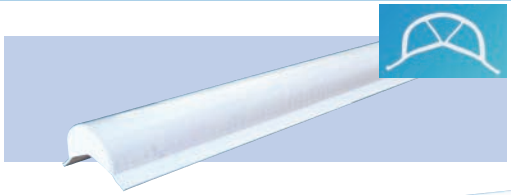
Super Saver End Plugs, Caps and Connectors sold separately.

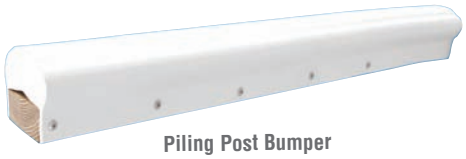
See Page 753

ORDER NO.	Description
440-10050	Boat Saver™, 24" Length, White, Ea.
440-10150-3	Super Saver™, 3 x 8' Lengths, White (24ft/Ctn)
440-10151-3	Super Saver™, 3 x 8' Lengths, Navy (24ft/Ctn)

PILING BUMPER

- Premium marine grade PVC construction
- Molded-in UV Inhibitors & Fungicides
- Integral strengthening ribs
- Curved profile to make piling mounts easier
- Mounts easily on curved or flat surfaces
- 6 ft. Lengths, capped one end (Top)





ORDER NO.	Description
440-10200	Piling Bumper
440-10220	Piling Post Bumper, 2x4 Mount

ULTRAGARD™

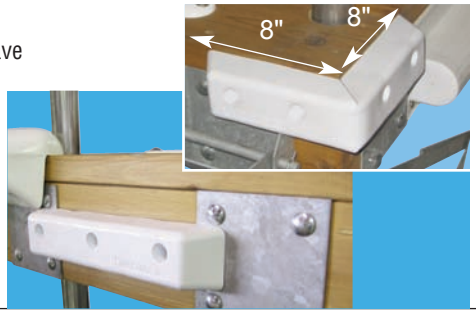
This bumper is manufactured from the same quality material as our Dolphin™ boat fenders and offers the ultimate in cushioning of impacts from your boat. Molded in ribs on the interior of the UltraGard™ ensure it is very soft, but durable and will not collapse. The back has a slight radius allowing for easy mounting on piling as well.

Measures 35" x 2-1/4" x 5"

ORDER NO.	Description
440-10080	UltraGard™ 35", White PVC (ea)

PROTECT™ CORNER / PROTECT™ STRAIGHT

These heavy duty bumpers are manufactured from PVC with UV inhibitors and fungicides, have excellent shock absorption qualities and will not mark or mar the hull of the boat. The Protect™ Straight and Protect™ Corner Bumpers also have many industrial applications where cushioning and protection are required.

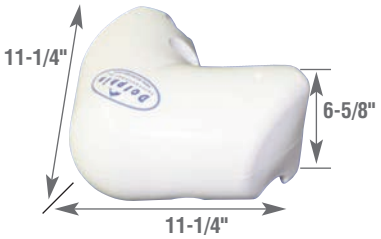


ORDER NO.	Description
440-10580	Protect™ Straight, 12" HD, PVC White (ea)
440-10590	Protect™ Corner, 16" in Total-(8" per side), HD, PVC White (ea)

CORNER BUMPERS

Protect your vessel from damaging impact by using premium dock corners. These air-filled bumpers are made from PVC with **UV Inhibitors & Fungicides** & feature built-in air valves for inflation or deflation if necessary.

ORDER NO.	Mfr. No.	Description
112-10574	1057-1-F	Corner Bumper, White with Display Header Card & S.S. Screws
112-10030	R1003	Corner Bumper, Navy Blue with Display Header Card & S.S. Screws
112-50000	R1034	Corner Bumper, White - BULK



DockSide™

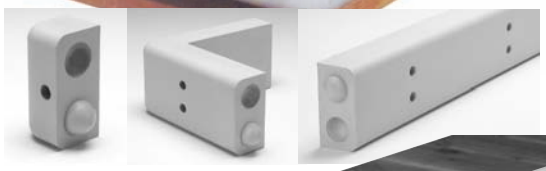
440-10640	1064-W-F	Corner Bumper, White, 11-1/4" x 11-1/4"

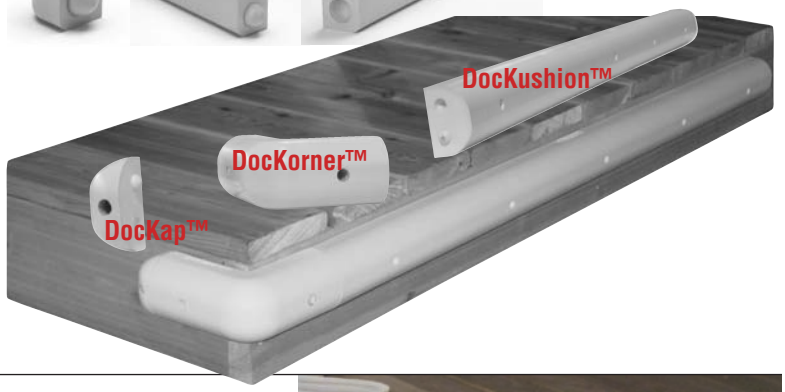
For more information see: www.dockedge.com

DOCK EDGE

DOCKUSHION™ MODULAR BUMPER SYSTEMS

The ultimate in protection systems. No need for fenders any more! This revolutionary new design incorporates a soft expanded polypropylene core surrounded by integral skin foam. This creates the softest but most durable bumper you can treat your boat to. A marine plywood backer also molded in allows strong secure mounting. Unique male and female sockets at the ends make joining the pieces a snap for a seamless look. End caps and corners complete your system for a professional looking job. The U.V. Stabilized classic grey color will enhance the look of your dock and is always clean looking.





ORDER NO.	Description
440-11500	DocKushion™ Large Putty 48" Interlok
440-11510	DocKorner™ Large Putty 9" Interlok
440-11520	DocKap™ Large Putty 2" Interlok
440-11530	DocKushion™ Small Putty 48"
440-11540	DocKorner™ Small Putty 5-1/2"
440-11550	DocKap™ Small Putty 1-1/4"

FLEXGUARD™ FLEXIBLE FENDER SYSTEMS

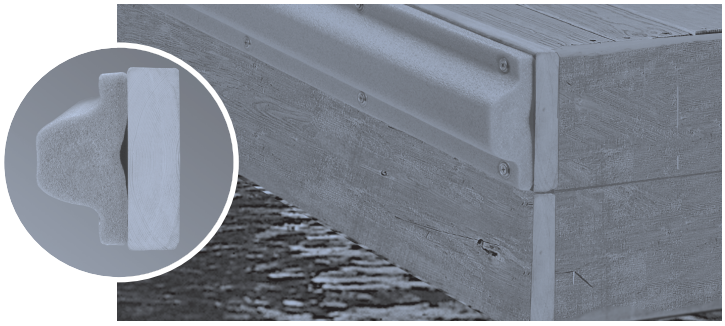
Designed with both smooth and ribbed surfaces, this bumper is manufactured from flexible PVC, containing both U.V. Inhibitors and Fungicide. The ribbed surface adds strength and can be mounted with either surface showing. Sold in 25' Long x 5" Wide rolls. Available in White, Beige and Gray.

ORDER NO. 440-10750 FlexGuard™ Ctn/ 25' roll, White

BOAT SHIELD™

This extruded U.V. Stabilized polyethylene foam bumper is contoured at the back so it can be mounted both horizontally on your dock or vertically on pilings. The beveled edge helps deflect your boats' fenders so they do not catch under the profile. The light grey colour matches up with the natural colour of weathered wood. Stainless steel screws and washers included. 48" x 2-3/4" x 5"

ORDER NO. 440-10070 Boat Shield™ 48" Grey, PE



DOCK WHEELS

Smooth rolling wheels offer substantial dock cushioning and feature molded-in valves to adjust the level of firmness. Heavy-duty hot dipped galvanized hardware mounts securely to dock and the 12" wheel uses a large 2" diameter axle housing for extra strength.
Guides boats into your slip easily, regardless of wind and current conditions.

ORDER NO. 440-95072
Inflatable Dock Wheel -12"
ORDER NO. 440-95075
Inflatable Dock Wheel -18"
ORDER NO. 440-95078
Inflatable Dock Wheel - 9"

For more information see: www.dockedge.com

DOCK BUMPERS

DOCK PRO™ HEAVY DUTY VINYL DOCK BUMPERS

Taylor Made now offers the ultimate in versatile, durable docking protection! Dock Pro heavy-duty vinyl bumpers are ideal for rough conditions, and can take a beating. Made from U.V. resistant, marine-grade vinyl, they provide excellent protection for your boat and dock. Corner piece provides superior impact protection on dock corners. Bumpers have inflation valves for easy adjustment to desired firmness. Pre-drilled for easy, permanent mounting with plated fasteners.

ORDER NO.	Mfr. No.	Size	Description
666-45500	45500	35.5"L x 4"D x 5"H	Straight Mount
666-45510	45510	13"L x 4"W x 5"H	Corner Mount

DOCK CUSHIONS

Hybrid construction means soft compressible foam where you want it and tough high density foam where you need it. The inner core of the new foam bumper is a lower density EVA foam (2.8 pounds per cubic foot) and the outer (front and back) pieces are tougher, higher density PE foam (8.7 pcf). UV protected foam material is maintenance free, non-marring and provides superior cushioning from impact. Designed for both horizontal and vertical applications, dock cushions are pre-drilled and ready to mount. Hardware not included. Also available with LED lighting installed. Easily identify your dock from a distance. Dock cushion contains 3 recessed ultra-bright LED's and solar power panel. Can illuminate for 6 hours after full sunshine charge.

Foam plugs are supplied to give the bumper a clean finished look!

ORDER NO.	Mfr. No.	Size	Description
114-60110	46011	3.25"D x 5"T x 36"L	Straight

POST BUMPERS

Post bumpers are great protection for pipe supported type docks. Protects the boat from contact with the metal dock pipe and hardware at dock level. Easily slides over 1 1/2" dock pipe and rests securely against the dock. Molded from marine grade vinyl with an inflation valve to adjust firmness. Bumper measures 7" dia. x 17" long.

ORDER NO.	Mfr. No.	Description
666-45600	45600	Post Dock Bumper (White)

For more information see: www.taylormadeproducts.com

TORPEDO BUMPERS

These large, durable bumpers add an attractive and functionally rugged cushion to the leg pipes of your docking system. Fabricated from the same quality material as our Dolphin™ fenders, each weighs a rugged 2.7 lb. and measures 18" tall with a diameter of 5". Each torpedo bumper also includes a molded-in air valve for easy inflation or deflation as desired. Place them on dock leg pipes over the mounting brackets to prevent damaging your watercraft from protruding bolts. Simply slip the top portion of the Torpedo bumper over a leg pipe and slide it down to the dock surface. Flex the bumper to go over the mounting bracket on the dock faceboard and spread the lower flange of the torpedo bumper to slip over the leg pipe that is below the dock faceboard. Inflate as desired.

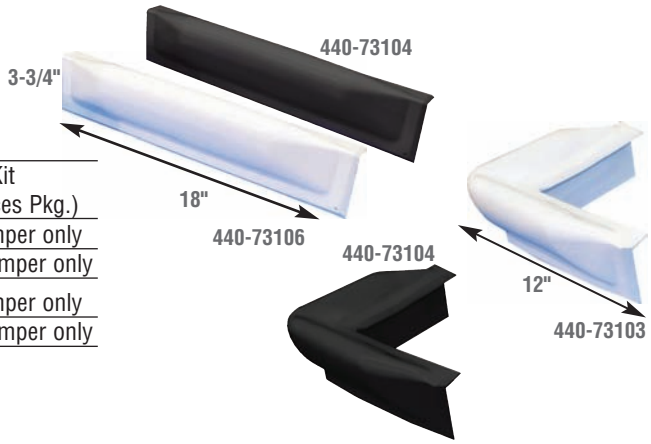
ORDER NO.	Description
440-91110	White Torpedo Bumper, 18" Each
440-91104	Navy Blue Torpedo Bumper, 18" Each

For more information see: www.dockedge.com

DOCK EDGE

DOCK GUARD™ DOCK BUMPER KIT

This roto-molded bumper kit is fabricated from soft vinyl with UV inhibitors and fungicides. Each piece has angled ends to deflect craft and molded-in ribs for additional strength. The contours of each piece protects above as well as the dock face, providing excellent gunnel protection for bass and ski boats. Mounts easily in minutes and is suitable for all applications.
Convenient 3-Piece value pack.
12" Corner x 1, 18" Straight x 2



ORDER NO.	Mfr. No.	Colour	Description
440-73100	DE73100F	White	Dock Bumper Kit (3 pieces Pkg.)
440-73103	DE73103F	White	12" Corner Bumper only
440-73106	DE73106F	White	18" Straight Bumper only
440-73104	DE73104F	Black	12" Corner Bumper only
440-73107	DE73107F	Black	18" Straight Bumper only

DockSide™

OCEANUS BUMPERS

These heavy-duty roto-molded bumpers incorporate all the benefits of a multi-usage product with the strength and integrity you've come to know from DockEdge products. Due to its design it will not only protect the lower bow but anywhere you install an Oceanus bumper. Fabricated to be permanently secured in place, it also has grooves which act as reinforcing ribs and can be used for temporary strapping in places where fastening
isn't allowed. Ideal for commercial & marina applications.

- Fabricated with UV inhibitors & fungicides
- Includes screw-in inflation valve

ORDER NO.	Mfr. No.	Description
440-73071	DE73071F	Oceanus Bumper, White

DockSide™

DOCKSIDE™ BUMPERS

Industrial Strength with the Standard Quality and Performance of Dolphin™ Fenders

These rugged fenders are the ultimate in heavy impact protection. Heavy-wall molded PVC construction with intergral inflation valve. Each fender has angled ends to deflect craft and may be used in pairs to form protection for insided corners. Excellent gunnel protection.

ORDER NO.	Mfr. No.	Description
440-10600	DE1060WF	DockSide 7" x 16", White, Straight
440-10620	DE1062WF	DockSide 8.5" x 24", White, Straight

SUPERSOFT DOCK BUMPER

These SuperSoft bumpers are great for large boats!

- Premium marine grade PVC
- Easily installed on most docks
- Additional protection when docking
- UV protection to guard against discoloration
- Microguard anti-Microbial treated

1 per Pack

ORDER NO.	Mfr. No.	Description
440-73303	DE73303F	SuperSoft Corner Bumper, 17.5" x 6" White
440-73306	DE73306F	SuperSoft Straight Bumper, 39" x 6" White

For more information see: www.dockedge.com

DOCK BUMPER

MADE IN THE USA

Patent Pending

CLEARVUE™ VINYL DOCK EDGING

Taylor Made now offers dock edging made entirely of clear PVC, allowing the natural beauty of a wooden dock to stand out.

- Non-marring
- UV and mildew resistant

SMALL COMMERCIAL P - SHAPE

This heavy duty commercial grade profile includes heavier wall sections and reinforcing ribs.

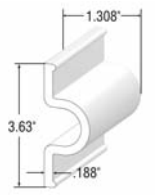
- Provides extra protection for larger boats, dock builders & Marinas

ORDER NO.	Mfr. No.	Description
666-45970	45970	10' Coil

STANDARD C - SHAPE

This versatile extrusion can be mounted both vertically and horizontally to nearly all dimensional lumber sizes. It has been designed to function either as a side guard profile or as an edge guard for light-to-medium-duty applications.

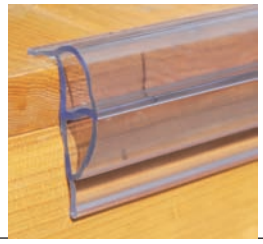
ORDER NO.	Mfr. No.	Description
666-45973	45973	10' Coil



STANDARD "P" - SHAPE

Traditional "P" Shape for light to medium dock edge applications. Light weight and easy to install and provides excellent protection for your boat.

ORDER NO.	Mfr. No.	Description
666-45971	45971	10' Coil



TRUE COLOR™ VINYL DOCK EDGING

Using True Color™ Technology to colour match aluminum docks in any setting.

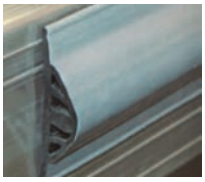
- Non-marring
- Holding up to UV and mildew

COMMERCIAL P - SHAPE

ORDER NO.	Mfr. No.	Description
114-45965	45965	Silver, Large 10' Straight
114-45966	45966	Silver, Small 10' Retail Pack

COMMERCIAL SIDE GARD

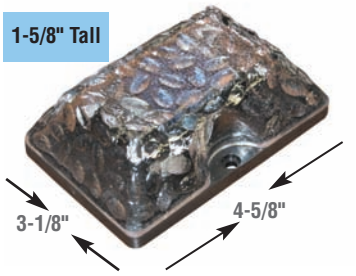
114-45969	45969	Silver, 10' Retail Pack



For more information see: www.taylormadeproducts.com

CLEARVUE™ LED LIGHTING

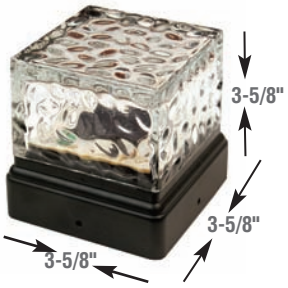
- Features four ultra-bright warm white LEDs
- User replaceable AA NiMH battery
- Clear plastic lens ensures durability while still allowing the solar panel to properly charge
- 8 hour run times after a full charge



DOCK LIGHT

The ClearVue Dock Light can be mounted to any flat surface, making it ideal for docks, decks, or walkways.

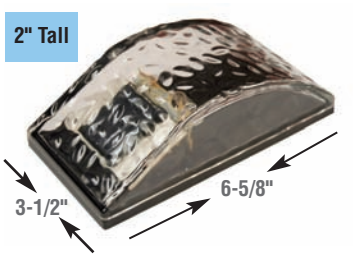
ORDER NO.	Mfr. No.
111-46303	46303



SQUARE POST LIGHT

The ClearVue Square Post Light is specifically designed to mount on the top of a 4" x 4" post.

ORDER NO.	Mfr. No.
111-46304	46304



SIDE POST LIGHT

The ClearVue Post Light is a unique and elegant solution to down lighting. Simply mount the light to any post and the light will provide a pool of light at the base of the post, where you need it.

ORDER NO.	Mfr. No.
111-46305	46305

SOLAR LED LIGHTING

SOLAR LED DOCK & DECK LIGHTS

Features and Benefits:

- 3 Colors Built In With a Push Of A Button (Bright White, Candlelight, Blue)
- 3 LEDs Illuminated Simultaneously
- Replaceable AAA NiMH Rechargeable Battery
- Auto On/Off at Dusk and Dawn
- Waterproof For Heavy Rain, Wind, and Snow
- No wiring needed
- Installs in minutes

NOTE: Duration of light output varies directly with the amount of sunlight exposure. Expect less burn time when daylight conditions are shorter, overcast, or cloudy. Light is shipped in the "Off" position. Simply press the button to switch between the three color modes and use the "Off" position for long term storage.

3 COLOUR CHOICES
Switch from white to candlelight to blue!

ORDER NO.	Mfr. No.
101-46206	46206

DOCK FLOATS/FENDERS

SOFTSIDE™ DOCK FENDERS

Molded from a lightweight polymeric material that is soft to the touch, easy on hulls, and resistant to UV, chalking, splitting, and crushing. Double-molded eye ends for extra strength. Seamless one-piece construction. Oval shape and ribbed sides resist rolling against hull.

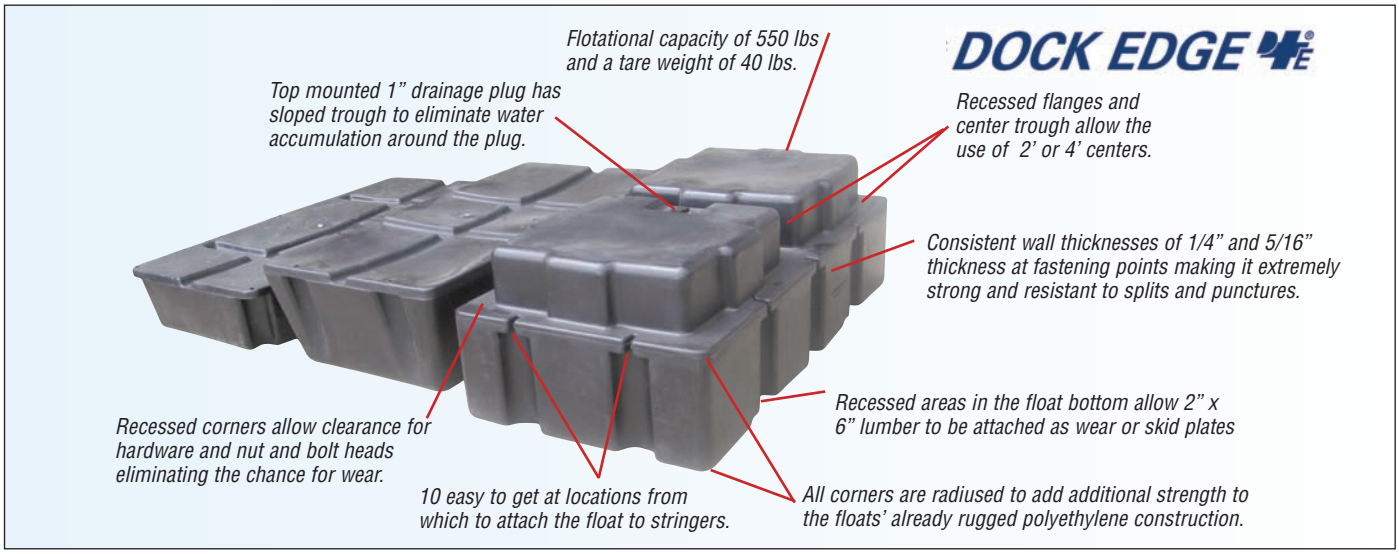
- Sold in a PDQ display carton for easy retail display
- Guaranteed for life
- Made in the U.S.A.

ORDER NO.	Mfr. No.	Description	Dimensions	Mounting Pattern
109-93531	93531-1	12" x 12" Corner Dock Fender Fits 90° Angle	11-3/4" x 11-3/4" x 4-1/2"	(4) 5/16" holes
109-93532	93532-1	Straight-Edge Dock Fender	18" x 3-1/2" x 4-1/2"	(3) 5/16" holes
109-93533	93533-1	Slide-On Post Dock Fender Fits up to 2-3/8" O.D. Post	7" diam. x 15" height	(4) 5/16" holes
109-93534	93534-1	Round Corner Dock Fender Fits 90° Angle	7" diam. x 15" height	(6) 5/16" holes
109-35371	93537-1	Long Dock Fender, White	45"L x 8.5"W x 6"H	(4) 5/16" holes

For more information see: www.attwoodmarine.com

DOCK FLOATS

Howell™ Dock Floats are ROTATIONALLY MOLDED from high density, black, virgin polyethylene with U.V. Inhibitors ensuring the most rugged float possible. Wall thicknesses are a minimum 1/4" and up to 5/16" at fastening points and corner edges, ensuring extremely strong resistance to splits and punctures.



HOWELL™ 550 DOCK FLOAT

With the Howell™ 550 & 400 dock floats our Dock Hardware program is complete with all products developed and produced by Dock Edge +. This benefits you, our customer by making it possible to purchase a complete and compatible line from hardware right through to the finishing touches and knowing that the Howell™ float series is backed by a **10-YEAR WARRANTY** against manufacturing defects.

HOWELL™ 400 DOCK FLOAT

With the same great qualities of the Howell™ 550 float, the 400 has a floatation capacity of 400 lbs. and is also available filled with closed cellular foam for commercial use and applications that do not require water ballast.

Dimensions: 24" x 48" x 12" high and a tare weight of 28 lb.

Description	Dimensions	ORDER NO.
Howell™ 550, Empty	2' x 4' x 16"	440-99246
Howell™ 400, Empty	2' x 4' x 12"	440-99242
Howell™ 400, Foam Filled	2' x 4' x 12"	440-99241
Howell™ 250, Empty	2' x 4' x 8"	440-99238
Howell™ 250, Foam Filled	2' x 4' x 8"	440-99239
Howell™ 600, Foam Filled	2' x 4' x 16"	440-99243

HOWELL™ 250 DOCK FLOAT

The Howell™ 250 has a floatation capacity of 250 lbs. and is also available filled with closed cellular foam for commercial use and applications that do not require water ballast.

Dimensions: 24" x 48" x 8" high

HOWELL™ 600 DOCK FLOAT

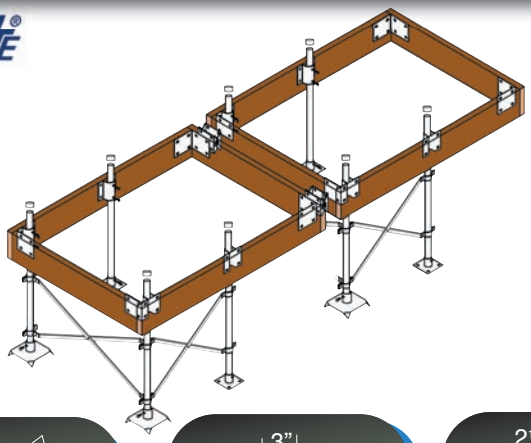
Dimensions: 24" x 48" x 16" with a flotation capacity of 600 lbs.

For more information see: www.dockedge.com

DOCK EDGE

STATIONARY DOCK HARDWARE ENGINEERED FOR STRENGTH, DURABILITY & SIMPLICITY.

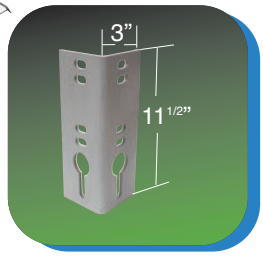
- **All Stationary Dock Hardware is 1/8" (nominal) Hot Dipped Galvanized Steel with 7/16" Holes for 3/8" Carriage Bolts.**



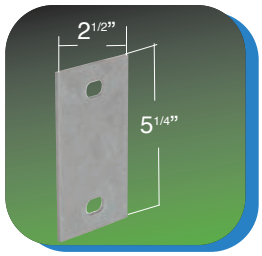
Hardware Placement Guide
Correct Usage of Hardware with Backer Plates

440-75000 Corner Leg Holder. Mounts on inside corner of framework.

440-86106 Connector Hinge



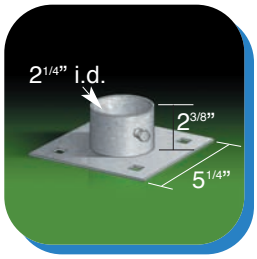
440-91119 Anchor Chain Corner. 3/16" thickness. Universal hole placement.



440-95123 Washer Plate

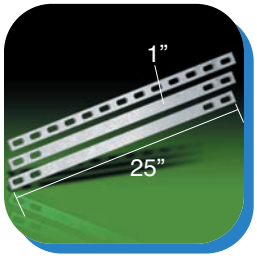
440-86105 Connector Hinge Kit. 3/16" thickness

440-75010 Side Leg Holder. Can be mounted inside or outside of the dock frame.



440-75020 Base Plate. Used as a footing. May be bolted to a 2" x 6" piece of lumber and joined to an adjacent base plate for stability.

440-75030 Connector Hinge. Used to join dock sections or a fixed ramp to the dock at varying angles. Includes hinge pin.

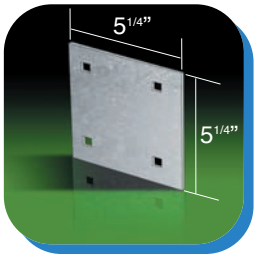


440-75100 Leg Brace Set. Extends up to 72". Use with Leg Brace Holders to connect legs for stability.

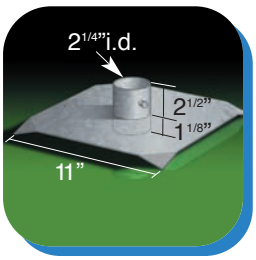
440-10320 Leg Cap. Use to cover raw leg pipe edges. Gives dock the finishing touch. (4 per pack)

440-75050 Corner Plate. Used on inside corners for increased strength.

440-75090 Corner Leg Brace Holder. Use when attaching a 440-75100 Leg brace from corner to side legs for stability.



440-75150 Backer Plate. Prevents pipe from deforming wood causing bolt loosening and dock shifting.



440-94102 Bottom Pad. Use for soft bottom applications. Allows leg pipe to extend through to lake bed for lateral support. Pointed corners.

440-95122 Joist Corner. Used to reinforce stringer joints.

440-75220 Anchor Tie Down Corner. Used to secure dock in place. May also be used as inside corner for added strength.

440-75080 Leg Brace Holder. Use with Leg Brace Set to connect leg pipes for stability. (Double)

440-93168 (6' 8") & **440-75280** (10') Galvalume Leg Pipe.

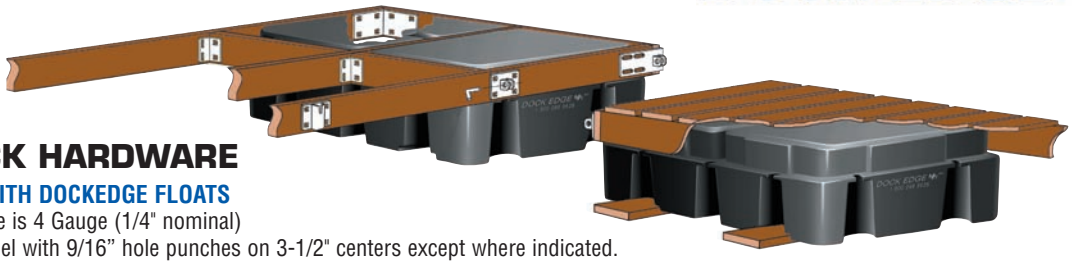
LEG PIPE SAND AUGER
440-94200

- Rugged Cast Iron
- Fits up to 2" O.D. pipe
- Easily penetrates sandy or soft sediment as well as packed surfaces

Always use backer plates and carriage bolts and sandwich the framing lumber between hardware. Lag bolts alone will fail over time.

For more information see: www.dockedge.com

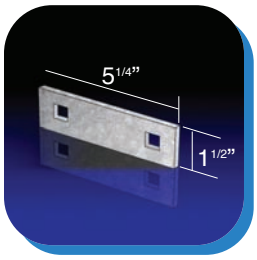
DOCK EDGE



FLOATING DOCK HARDWARE

ENGINEERED FOR USE WITH DOCKEDGE FLOATS

- All Floating Dock Hardware is 4 Gauge (1/4" nominal) Hot Dipped Galvanized Steel with 9/16" hole punches on 3-1/2" centers except where indicated.
- Slot sizes are 9/16" x 1 5/8" except where indicated.
- All Male and Female Connectors have a 3/8" tab with a 7/8" hole to fit a 3/4" Pin or bolt.
- Universal hole placement fits 2" x 8" & over lumber. Holes designed for use with any 3-1/2", 4-1/2", or 5-1/2" bolt pattern.



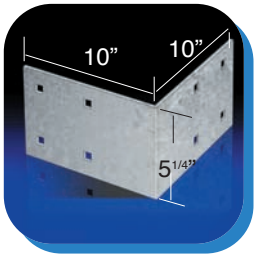
440-99006 Washer Plate.

440-99002 Joist Corner. Use to mount stringers with 440-99006 washer plates. Also use as a backer plate to prevent cleats from pulling out.

440-93122 Backer Plate. Used to sandwich wood framing when another piece of hardware isn't used. Prevents bolt loosening and pull-through.

440-99005 Side Pipe Holder. Bolts to side of dock frame to anchor it in place yet allows vertical movement for water variances.

440-99013 Chain Retainer. Holds chain up to 1/2" to secure the dock in position.

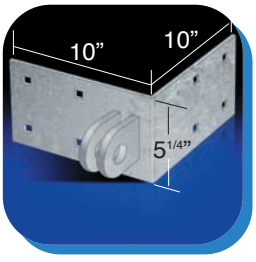


440-99004 Outside Corner. Use with backer plates or inside corners at outside ends of docks, fingers and swim platforms.

440-75460 Inside Corner. For lighter duty applications where an outside corner is not necessary.

440-75470 Inside Anchor Corner. Use as inside corner. Adds extra strength with its anchor chain bar. Accepts chain up to 1/2".

440-99009 Male Corner Hinge. Use with all styles of Female Connector Hinges.

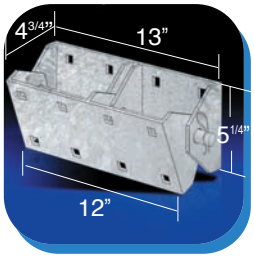


440-99010 Female Corner Hinge. See Male Corner Hinge.

440-99011 Female T Connector. See Male T Connector and Connector Pin.

440-99012 Male T Connector. Use with all styles of Female Connector Hinges.

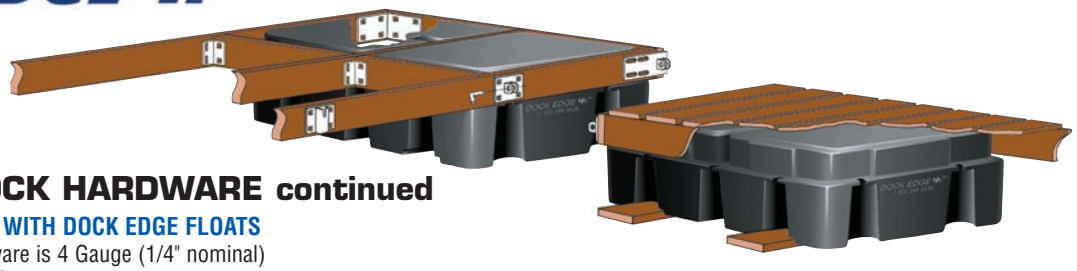
440-96111 Connector Pin used to join male and female connectors.



440-75160 HD Connector Hinge. Use at both ends of ramps when connecting dock sections to shore or joining multiple sections.

440-99001 HD Anchor Chain Corner. Offers maximum corner strength when used with 440-99004 Outside Corner or any Corner Connecting Hinge.

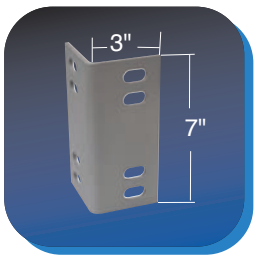
DOCK EDGE



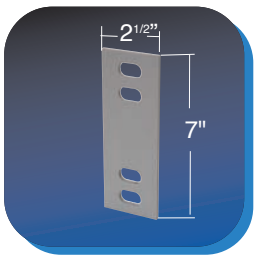
FLOATING DOCK HARDWARE continued

ENGINEERED FOR USE WITH DOCK EDGE FLOATS

- All Floating Dock Hardware is 4 Gauge (1/4" nominal) Hot Dipped Galvanized Steel with 9/16" hole punches on 3-1/2" centers except where indicated.
- Slot sizes are 9/16" x 1 5/8" except where indicated.
- All Male and Female Connectors have a 3/8" tab with a 7/8" hole to fit a 3/4" Pin or bolt.
- Universal hole placement fits 2" x 8" & over lumber. Holes designed for use with any 3-1/2", 4-1/2", or 5-1/2" bolt pattern.



440-98602
Inside Corner. 3/16" thickness. Universal hole placement.



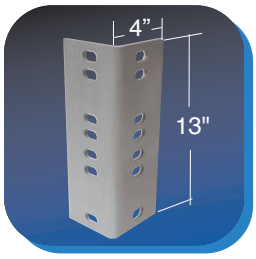
440-98604
Universal Plate for 2' x 8' and over. 3/16" thickness.

440-98606
Anchor Chain Plate. Universal hole placement.

440-98608
Connector Hinge Ribbon. Universal hole placement.

440-98609
Connector Hinge Low Profile. Universal hole placement.

440-98610
Anchor Chain Corner. Universal hole placement.

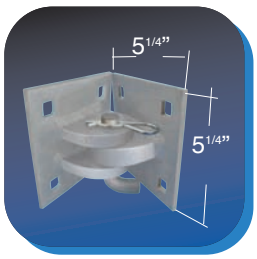


440-98612
Inside Corner. Universal hole placement

440-98614
Inside Corner. Universal hole placement.

440-98616
Multi-Anchoring Leg Holder. 3/16" thickness. Universal hole placement

440-98618
Corner Inside/Outside. Universal hole placement



440-99020
Connector Hinge T Style Backer Plate. Heavy duty with 1/2" & 3/4" tabs. Universal hole placement.

DOCK WHEELS

HD wheels are available in a 24" diameter with an 8" tread width and 700 lb. capacity. These tough, rigid wheels, offer stress, crack and impact resistance, molded from U.V. stabilized polyethylene. They roll easily over virtually any terrain. They also offer excellent performance in low temperatures, prolonged exposure to petroleum products and will not rust on the axle. Use for roll-in docks or boat lifts. 24" fits 1.98" axle shaft, Black HDPE

ORDER NO. 440-90024

Axle Kit

DOCK EDGE

DOCK AXLE KIT

Convert your fixed dock to a rolling dock on wheels.
- Quick and simple kit installation
- Make your dock installation and removal easy
- Install wheels inside or outside, (Wheels purchased separately)

ORDER NO.	Mfr. No.
440-85235	85-235-F

DO IT YOURSELF

FLOATING DOCK KITS

DOCK2GO

DOCK 2 GO MODULAR FLOATING DOCK HARDWARE KIT

- Includes heavy duty hot dipped galvanized mounting hardware required to assemble a 6' x 12' modular floating dock section*
- Detailed construction and hardware placement instructions included
- Each kit may be utilized to construct a stand-alone dock or may be attached to another
- **Dock 2 Go** section using a **Dock 2 Go** modular connector kit (CC Order No. 440-85205) to increase dock length or width as required

**Fasteners, lumber, floatation and anchorage sold separately to allow for consumer preferences or requirements*

Kit includes: (6) Backer Plate (CC Order No. 440-93122), (4) Inside Corner (CC Order No.440-75460), (16) Joist Corner (CC Order No. 440-99002), (28) Washer Plate (CC Order No. 440-99006), (2) Chain Retainer (CC Order No. 440-99013)

ORDER NO.	Mfr. No.	Description	
440-85272	85-272-F	Dock 2 Go Dock Hardware Kit	***SPECIAL ORDER ONLY

@ Have a Technical Question?

Contact our Technical Support Staff
email: techsupport@ccmarine.ca

DOCK EDGE

FLOATING DOCK HARDWARE

All Floating Dock Hardware Sets are 4 gauge (1/4" nominal) Hot Dipped Galvanized Steel with 9/16" hole punches on 3-1/2" centers except where indicated. Slot sizes are 9/16" x 1-5/8" except where indicated. All male and female connectors have a 3/8" tab with a 7/8" hole to fit a 3/4" pin or bolt.

FLOATING CONNECTOR HINGE SET

Includes all mounting hardware required to securely attach Dock 2 Go™ modular dock sections or similar constructions together.*
*Requires 8 x 2-1/2" x 1/2" carriage bolts, lock washers and nuts.
- 2 Male T connectors
- 2 Female T connectors
- 2 Connector pins
- 4 Backer plates

ORDER NO.	Mfr. No.	Description
440-85205	85-205-F	Connector Hinge Set

FLOATING INSIDE CORNER SET

For lighter duty floating dock applications where an outside corner is not necessary.
*Requires 32 x 2-1/2" x 1/2" carriage bolts, lock washers and nuts.**
- 4 Inside corners
- 4 Backer plates

ORDER NO.	Mfr. No.	Description
440-85210	85-210-F	Inside Corner Set

FLOATING JOIST CORNER SET

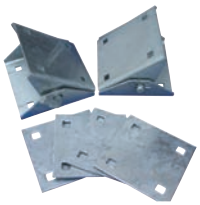
Use to mount stringers with washer plates on your floating dock.
*Requires 8 x 2-1/2" x 1/2" carriage bolts, lock washers and nuts.
- 2 Joist corners
- 4 Washer plates

ORDER NO.	Mfr. No.	Description
440-85215	85-215-F	Joist Corner Set

STATIONARY DOCK HARDWARE

All Stationary Dock Hardware Sets are 11 gauge (1/8" nominal) Hot Dipped Galvanized Steel with 7/16" holes for 3/8" Carriage Bolts.

STATIONARY CONNECTOR HINGE SET



Join dock sections or a fixed ramp to the dock at varying angles.
*Requires 16 x 2-1/2" x 3/8" carriage bolts, lock washers and nuts.
- 2 Hinge sets
- 4 Backer plates

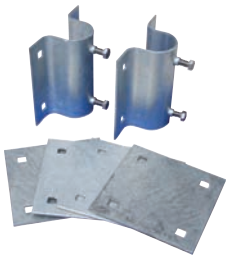
ORDER NO.	Mfr. No.	Description
440-85220	85-220-F	Connector Hinge Set

STATIONARY INSIDE CORNER SET

For stationary dock applications where an outside corner is not necessary.
*Requires 32 x 2-1/2" x 3/8" carriage bolts, lock washers and nuts.
- 4 Inside corners
- 4 Backer plates

ORDER NO.	Mfr. No.	Description
440-85225	85-225-F	Inside Corner Set

STATIONARY SIDE LEG HOLDER



Securely mount side legs to the inside or outside of the dock frame without deforming wood causing bolt loosening and dock shifting.
*Requires 32 x 2-1/2" x 3/8" carriage bolts, lock washers and nuts.
- 2 Side leg Holders
- 4 Backer plates

ORDER NO.	Mfr. No.	Description
440-85230	85-230-F	Side Leg Holder Set

**Fasteners, lumber, floatation and anchorage sold separately to allow for consumer preferences or requirements*

DOCK EDGE

FLIP-UP LADDERS

FLIP-UP - ECO^2 WELD-FREE

Marine Grade Aluminum

Designed to make a minimum carbon footprint, these ladders are manufactured with no welding processes involved to reduce material waste and save energy. Easy to assemble & includes stainless steel hardware. Ribbed anti-slip steps for a sure footing.
Capacity: 500lb. (227kg)

FLIP-UP
WELD-FREE

DOCK EDGE GREEN PRODUCTS

Rail Height: 18-1/2" (47cm)
Tread Depth: 2-1/2" (6.4cm)
Tread Width: 14" (35.6cm)
Distance to first step: 10-1/2" (26.7cm)
Distance between treads: 11" (27.9cm)

ORDER NO.	Description
440-21730	3 Step, Complete
440-21740	4 Step, Complete
440-21750	5 Step, Complete

FLIP-UP - WIDE STEP - WELDED DOCK LADDERS

Marine Grade Aluminum

With 4" (10cm) x 16.75" (42.5cm) ribbed anti-slip steps, these ladders flip up and out of the water when not in use, and are easily secured in the up or down position with a handy retainer pin. Clean, smooth, mill finish aluminum and welded construction. Large diameter gables and rails for strength and a sure grip.
Easy to assemble & includes stainless steel hardware.
Capacity: 665 lb. (300kg)

FLIP-UP

Rail Height: 19" (45.5cm)
Tread Depth: 4" (10.2cm)
Tread Width: 16.75" (42.5cm)
Distance to first step: 11" (27.9cm)
Distance between treads: 12" (30.5cm)

ORDER NO.	Description
440-21230	3 Step, Complete
440-21240	4 Step, Complete
440-21250	5 Step, Complete

NEW!

Note: Never use any ladders for diving. Doing so may damage the ladder, void warranty and/or result in personal injury

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DOCK EDGE
Your Dock • Your Way

For more information see:
www.dockedge.com

DOCK EDGE

FIXED LADDERS

White Powder Coated Galvalume™

Howell™

Available in bright white polyester finished Galvalume™. These ladders will make a durable and attractive addition to your dock, seawall or any marine application. Heavy 1-1/2" (3.8cm) tubing ensures a positive grip and stainless steel; hardware is included.
Capacity: 400 lbs. (180kg)

Rail Height: 18-1/2" (47cm)
Tread Depth: 3-3/4" (9.5cm)
Tread Width: 14" (35.6cm)
Distance to first step: 12" (30.5cm)
Distance between treads: 11" (27.9cm)

ORDER NO.	Description
440-21030	3 Step, White, Galvalume
440-21040	4 Step, White, Galvalume
440-21050	5 Step, White, Galvalume

FIXED - ECO$_2$ WELD-FREE

Marine Grade Aluminum

WELD-FREE

These durable ladders have been designed to make a minimum carbon footprint. They are manufactured with no welding processes involved. Easily assemble in a few minutes with stainless steel fasteners. Wider steps make it better for a sure grip and safe climb.
Capacity: 500 lbs. (227kg).

Rail Height: 18" (45.7cm)
Tread Depth: 2-1/2" (6.4cm)
Tread Width: 14" (35.6cm)
Distance to first step: 10" (25.4cm)
Distance between treads: 11" (27.9cm)

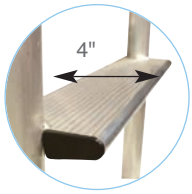
ORDER NO.	Mfr. No.	Description
440-20730	2073-F	3-Step Complete
440-20740	2074-F	4-Step Complete
440-20750	2075-F	5-Step Complete

DOCK EDGE GREEN PRODUCTS

FIXED – WIDE STEP LADDERS

Welded Marine Grade Aluminum

These durable ladders are ideal for sure-footed access to and from the water or boat. These rugged ladders will stand the test of time. Perfect for seawalls or dock applications with varying water levels.
Capacity: 665 lbs. (300kg)



Rail Height: 19-1/2" (49.5cm)
Tread Depth: 4" (10.2cm)
Tread Width: 16-3/4" (42.5cm)
Distance to first step: 7-7/8" (20cm)
Distance between treads: 12" (30.5cm)

ORDER NO.	Mfr. No.	Description
440-02043	2043-F	3-Step Complete Dock Ladder
440-02044	2044-F	4-Step Complete Dock Ladder
440-02045	2045-F	5-Step Complete Dock Ladder

DOCK EDGE

KWIK RELEASE
Aluminum Ladders

This Ladder is manufactured with 1" anodized, heavy wall aluminum tubing and is weld free.
This strengthens the ladder, removes any sharp edges, and eliminates the potential of cracking and corrosion at the joints.
All assembly hardware is stainless steel and assembly is quick and easy. An optional quick release kit is included.
Simply tilt the ladder up and slide it out for storage and cleaning, or mount the ladder permanently with its' pre-drilled holes.

PROUDLY MADE IN CANADA FABRIQUÉ AU CANADA CANADIAN

Rail Height: 18-1/2" (47cm) (Above the dock)
Tread Depth: 4-3/4" (12.1cm)
Tread Width: 14-7/8" (37.8cm)
Distance to first step: 12" (29.2cm)
Distance between treads: 10-1/2" (26.7cm)

ORDER NO.	Mfr. No.	Description
440-20030	2003-F	3-Step, Complete
440-20040	2004-F	4-Step, Complete
440-20050	2005-F	5-Step, Complete

SWING-UP
Roto-Molded 4-Step Ladder

Tough and durable, this roto-molded ladder swings up and out of the way, locking in place when not in use. Will not corrode with exposure and will not fade or crack. Molded-in U.V. Inhibitors & Fungicides. 4 Steps, Polyethylene, Stainless Steel assembly hardware.

ORDER NO.	Mfr. No.	Description
440-20640	2064-F	4-Step, Grey

Gable Height: 20-1/2" (52.1cm)
Tread Depth: 4" (10.2cm)
Tread Width: 14" (35.6cm)
Distance to first step: 11-3/4" (29.8cm)
Distance between treads: 10-1/2" (26.7cm)

STAND OFF
Roto-Molded 4-Step Ladder

With the same great features of the Swing-Up, the Stand Off roto-molded ladder extends into the water at a 60˚ angle to make getting out of the water easier.
Capacity: 500 lbs. (227kg)

ORDER NO.	Mfr. No.	Description
440-20840	2084-F	4-Step, Grey

Gable Height: 20-1/2" (52.1cm)
Tread Depth: 6-1/2" (16.5cm)
Tread Width: 14" (35.6cm)
Distance to first step: 12-1/2" (31.8cm)
Distance between treads: 10-1/2" (26.7cm)

For more information see: www.dockedge.com

DOCK EDGE®

MOORING ARMS

An economical alternative or enhancement to bumpers and dock bumper profiles, these Mooring Arms retain your watercraft a safe and convenient distance from the dock face to minimize the possibility of damage from wind, wake and waves. These easy-to-install mooring arms apply vector based forces to the bow and stern of the watercraft allowing it to freely and effortlessly follow wave and water action such as tidal fluctuations, yet securely keep the craft at arms length from the surface.

Arms are manufactured from the same durable Cross-wound fiberglass as our DockEdge and Howell mooring whips. Each set includes polyethylene line and pivot retainers as well as stainless steel hardware. Hot-Dipped Galvanized cleats, mooring lines and DockEdge Quality craftsmanship is included in every Mooring Arm kit.

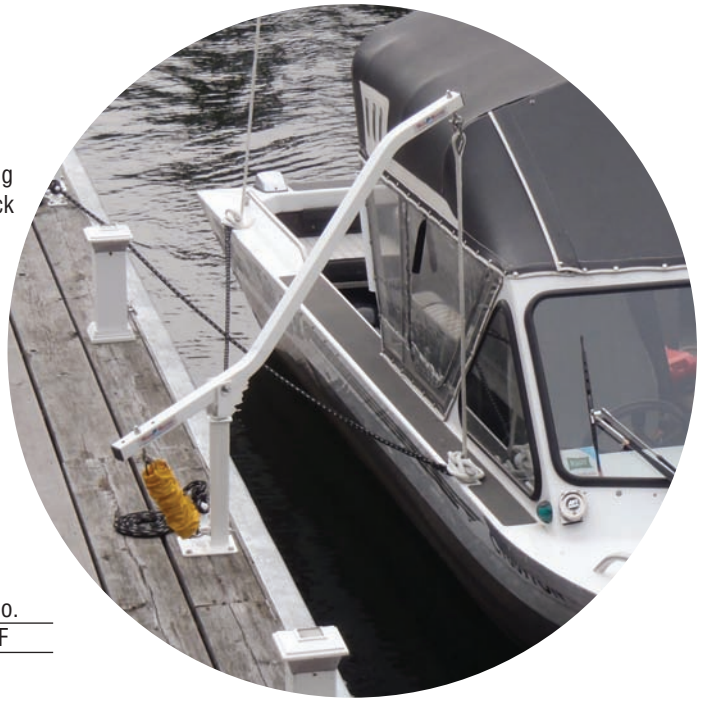
440-30340

440-30360

ORDER NO.	Mfr. No.	Beam	Description
440-30340	3034-F	6'	Mooring Arm Set(2), 4 Ft. for PWCs & Small Craft up to 1500 lbs.
440-30360	3036-F	8.5'	Mooring Arm Set (2), 6 Ft for craft up to 5000 lbs.

WAKE WATCHER®

- Protects passengers and your boat
- Securely moors boats up to 3,500 lb. (1,500 kg)
- Protects your boat from dock contact
- Allows your boat to come close to the dock for easy passenger boarding
- Automatically repositions your boat safely 3 ft. (1m) away from the dock
- Adjustable tension
- Resists lateral, vertical and horizontal motion
- Featured in Popular Science magazine



ORDER NO.	Mfr. No.
440-30500	3050-F

DOCK MOORING WHIPS

PREMIUM DOCKSIDE™ MOORING WHIPS

DOCK EDGE

The practical alternative to marine railways, davits and lifts, these grey fiberglass WHIPS are exceptionally strong, attractive and do not obstruct your waterfront view. They act as a spring to safely hold your boat a safe, convenient distance away from the dock.
Solid cast aluminum grey powder coated bases with built-in cleats. Unaffected by cold or heat. WHIPS can be removed quickly from bases for storage.
Complete with double braided nylon whip lines, spring lines, and stainless steel mounting hardware.
Some mooring areas may be too rough for any type of tie-up system.
Note: Weight is more critical than length when selecting the correct whip size.
One Year Warranty.

PROUDLY MADE IN CANADA FABRIQUÉ AU CANADA CANADIAN

MOORING WHIP KITS

ORDER NO.	Description
440-32000	8' Mooring Whip (set of 2) For boats up to 18' and/ or 2,500 lb.
440-34000	12' Mooring Whip (set of 2) For boats up to 23' and/ or 5,000 lb.
440-36000	14' Mooring Whip (set of 2) For boats up to 28' and/ or 10,000 lb.
440-38000	16' Mooring Whip (set of 2) For boats up to 33' and/ or 20,000 lb.
440-30000	Whip Mounting Base (1 pc.) /w screws
440-32001	8' Mooring Whip Replacement (1)
440-34001	12' Mooring Whip Replacement (1)
440-36001	14' Mooring Whip Replacement (1)
440-38001	16' Mooring Whip Replacement (1)

ULTIMATE MOORING WHIPS

Ideal for protecting deck boats & larger boats from wind and wake damage in fluctuating water levels. These fiberglass whips surpass all others in construction and design technology. Manufactured from solid fiberglass rod and wrapped in three additional multi-stage, cross wound fiber layers. Adjustable cast aluminum bases with rubber shock absorbers allow for greater range of movement and flexibility. Impervious to UV degradation, cold and heat. Each Whip incorporates a unique functional roller tip and includes a tie-off cleat for easier access to your boat with unique line tensioners for easy, one handed operation.
Stainless Steel mounting hardware is included with each whip set.
Please note that even with rocker bases, tides in some areas may still be too extreme for any type of mooring or tie up system.
Includes lines and hardware.

ORDER NO.	Description
440-34500	Ultimate Mooring Whip, 12', (Set of 2) For boats up to 23', or 5,000 lb.
440-36500	Ultimate Mooring Whip, 14', (Set of 2) For boats up to 28', or 10,000 lb.
440-38500	Ultimate Mooring Whip, 16', (Set of 2) For boats up to 33', or 20,000 lb.

ECONOMY HOWELL™ MOORING WHIPS

The economical way to fasten your boat, these fiberglass WHIPS are exceptionally strong, attractive and will not obstruct your waterfront view. Each whip mounts into a durable cast aluminum base. DockEdge base is superior to other bases due to its solid cast aluminum design with molded-in cleat, ring and convenient thumb screw for securing the whip into position. It is unaffected by UV and cannot be damaged when securing to the dock due to it's tough 3/8" thick mounting footprint. Each whip includes a unique tip with a functional roller which allows easier access to your boat. By simply releasing the whip line from the base cleat, the whip lines effortlessly roll through the unique roller tip causing the boat to gently approach the dock for boarding. Each WHIP is constructed to the most rigid specifications and is of the higest quality, Great for PWCs too!

ORDER NO.	Description	
440-31000	8' Whip, (Set of 2)	For boats up to 18', or 2,000lb.
440-31200	12' Whip (Set of 2)	For boats up to 23', or 4,000lb
440-14200	Wheel Pulley, Nylon Black Replacement Part.	

DOCK CLEATS - IRON

Cast iron dock cleat with galvanized finish.
Pre-drilled for 1/4" fasteners.

ORDER NO.	Mfr. No.	Size
101-12102	12102-1	8" long

For more information see:
www.attwoodmarine.com

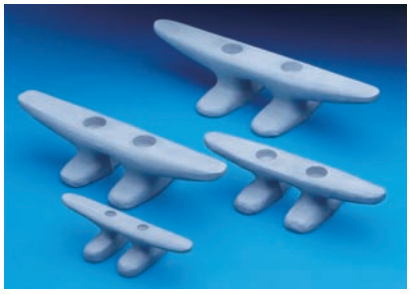
DOCK EDGE

CAST IRON DOCK CLEATS

These are your traditional,Cast Iron, Hot Dipped Galvanized Dock Cleats. The mounting holes are recessed with a hexagonal shape to stop the head of a carriage bolt from turning. This eliminates the need to use tow wrenches when mounting.

ORDER NO.	Mfr. No.	Description
440-28040	DE2804F	Dock Cleat, 4", Galvanized / Ea
440-28060	DE2806F	Dock Cleat, 6", Galvanized / Ea
440-28080	DE2808F	Dock Cleat, 8", Galvanized / Ea
440-28100	DE2810F	Dock Cleat, 10", Galvanized / Ea
440-28120	DE2812F	Dock Cleat, 12", Galvanized / Ea
440-28140	DE2814F	Dock Cleat, 14", Galvanized / Ea

NEW!



CAST ALUMINUM CLEATS

These cast aluminum cleats are sand blasted to give a clean grey matte finish. Each cleat is designed with an extra wide footprint for added strength. As well, each cleat has an enlarged counter-sunk hole for easy installation with a socket. Can be through bolted or lag bolted.

ORDER NO.	Mfr. No.	Size
440-24060	DE2406F	6"
440-24080	DE2408F	8"
440-24100	DE2410F	10 1/2"
440-24120	DE2412F	12 1/2"

"HDPE" MOULDED OPEN BASE CLEATS

Injection moulded High Density Polyethylene and U.V. Stabilized. Available in 4 sizes.

ORDER NO.	Mfr. No.	Size
440-23040	DE2304F	4"
440-23060	DE2306F	6"
440-23080	DE2308F	8"
440-23100	DE2310F	10"

"S" CLEATS

Cast aluminum cleats are sand blasted to give a clean grey matte finish. Each cleat has an enlarged counter-sunk hole for easy installation with a socket.

ORDER NO.	Mfr. No.	Size
440-24090	DE2409F	9"
440-24130	DE2313F	13"

SOLAR CLEAT LIGHT

Attractive and Functional with Powerful Solar Charging Performance & Mooring Strength

- Cast Aluminum Alloy Chassis
- Wide, Sturdy Base footprint
- 5 Super Bright white LEDs for side / base illumination (18000 milli Candela each)
- Polycarbonate side lenses
- Epoxy Monocrystalline solar panel
- Rechargeable, Replaceable AAA (Ni-Mh) battery
- Waterproof to Standard IP65
- Up to 12 hours illumination from a single charge
- Automatic On-At-Dusk
- Viewing Distance up to 325 ft.(100m)
- Optimal working temperature
- Dimensions: W = 10", D = 3.9", H = 3"
  –4˚F to +140˚F (-20˚C to +60˚C)

ORDER NO. 440-96288 Mfr. No. DE96288F

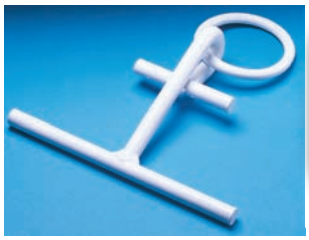
For more information see: www.dockedge.com

DOCK CLEATS

PORTACLEAT™

DOCK EDGE

Finally, a dock CLEAT you can take with you. Easy to store and easier to use, this strong, powder coated CLEAT with rope ring fits neatly in between dock timbers and twists 90 degrees to lock in place. Now you can position your lines exactly where you want, to best protect your boat without concern for where existing dock cleats may be located. Keep several aboard at all times.



ORDER NO. 440-75140 Mfr. No. DE91107F
Portable Dock Cleat White

MOORING RING

This economical, traditional mooring ring has been updated with a white polyester powder coat finish to prevent rusting, keeping your dock lines clean while enhancing the look of your dock.
5 1/4" x 2 5/8" with a 2 1/4" ring.

ORDER NO. 440-75120
Mfr. No. DE87108F

TIE UP CLEAT

This economical Tie-Up Cleat is used where strength and basic function is required. It is white polyester powder coated to prevent rusting and keep your dock lines clean while enhancing the look of your dock.
5 1/4" x 5 1/4" Base.

ORDER NO. 440-75130
Mfr. No. DE87111F

INSTACLEAT™

This strong, yet lightweight, cast aluminum portablecleat features a bright white polyester powder coat finish and stainless steel T-Bar. Install securely in seconds and use whenever cleats are missing or in an inconvenient location. Also provides extra security in rough weather for spring lines. It is also an ideal carry-on for PWC's, windsurfers, canoes etc.

ORDER NO. 440-27050
Mfr. No. DE2705WF

DOCK EDGE

DOCK RINGS

1200 lb. Capacity (550 Kg)
Galvanized
Ring Dim: 2" dia. x 5/16"
(5 cm x 0,79 cm)

ORDER NO. 440-87110
Mfr. No. DE87110F

2000 lb. Capacity (910 Kg)
Galvanized
Ring Dim: 2" dia. x 1/4"
(5 cm x 0,6 cm)

ORDER NO. 440-87109
Mfr. No. DE87109F

DOCK EDGE
Your Dock • Your Way

For more information see:
www.dockedge.com

DOCK EDGE

FLIP-UP™ CLEATS

Where safety is a concern, these innovative cleats fold down to a low profile base with smooth, rounded surfaces and conveniently flip up for easy use. Also useful for replacing conventional cleats on decks of houseboats and pontoon boats. Made from solid marine grade aluminum and in Polished or polyester powder coated finishes.

ORDER NO.	Mfr. No.	Description
440-26030	DE2603WF	Flip Up Ring, 3" White
440-26031	DE2603PF	Flip Up Ring, 3" Polished
440-26060	DE2606WF	Dock Cleat, Flip Up, 6", White
440-26080	DE2608WF	Dock Cleat, Flip Up, 8", White
440-26062	DE2606BF	Dock Cleat, Flip Up, 6", Black
440-26061	DE2606PF	Dock Cleat, Flip Up, 6", Polished
440-26081	DE2608PF	Dock Cleat, Flip Up, 8", Polished

PREMIUM FLIP-UP™ CLEATS

Double pivot design allows for easier rope attachment and added strength. These cleats are cast from solid marine grade Almag 35 aluminum and powder coated white.

NEW!

ORDER NO.	Mfr. No.	Description
440-26160	DE2616WF	Premium Flip Up Dock Cleat, 6" White

CLASSIC™ CLEATS

Undeniably the manufacturer of the finest dock equipment in the world, DOCK EDGE is proud to present our CLASSIC™ CLEATS, cast from solid aluminum and powder coated to last. Distinctive and highly functional, they are available in 4 sizes to suit any requirement.
10-1/2" Dock Cleat available as special order.

Flip Up™ Cleats, InstaCleat™ and Classic™Cleats Are cast aluminum with polyester powder coating.

ORDER NO.	Mfr. No.		
440-25040	DE2504WF	4-1/2"	Dock Cleat, White
440-25060	DE2506WF	6-1/2"	Dock Cleat, White
440-25080	DE2508WF	8-1/2"	Dock Cleat, White

For more information see: www.dockedge.com

attwood

FOLD-DOWN DOCK CLEATS

Ideal for small boats and watercraft. Cleats simply fold-down when not in use and flip back up when it comes time to tie off. Low-profile, fold-down design keeps cleat clear of dock traffic. Marine-grade aluminum protected with corrosion-resistant finish. Easy to install on all dock types with (2) standard 3/8; carriage bolts (not included).

ORDER NO.	Mfr. No.	Size
101-12048	12048-4	6" long
101-12049	12049-4	8" long

For more information see: www.attwoodmarine.com

STEPSAFE™ DOCK STEPS

StepSafe™ dock steps are molded in durable U.V. resistant Polyethylene. On the top of each step, **Taylor Made Products** own StepSafe™ non-slip pad is adhered for additional slip protection while boarding.1-1/2" wide flange provides adequate mounting surface for docks. Cleans easily with soap and water.

Note: Additional hand rails are available Special Order only

ORDER NO.	Mfr. No.	Description	Size
666-47100	47100	Single Tread Step	22"L x 18"W x 11.5"H
666-47200	47200	Double Tread Step	26.75"L x 23.5"W x 17"H
666-47201	47201	Aluminum Hand Railing Double Tread Step Model	19.50"W x 49"H
666-47300	47300	Triple Tread Step	35"L x 25"W x 25.5"H
666-47301	47301	Aluminum Hand Railing	26"W x 58"H

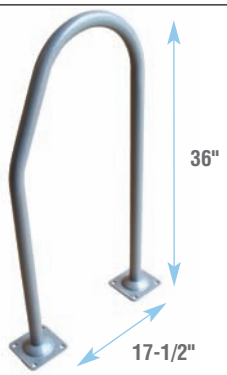
For more information see: www.taylormadeproducts.com

BOARDING BUDDY HAND RAIL

Safe convenient access both on and off a boat or dock.
Ideal for any docking platform to help prevent accidents.

- Textured high gloss, 1-1/2" (3.8cm) O.D. tubing with grey powder coated finish
- Punched mounting holes for carriage bolts or lags

ORDER NO.	Mfr. No.	Description
440-90800	90800-F	Boarding Buddy Hand Rail



For more information see: www.dockedge.com

COME ON BOARD HANDLES

Handles ideal for boats on the water where constant boarding is necessary with a large grabbing surface for comfort grip. The finger molded handle pipe design assures a more secure and comfortable grip. A two piece design for easy storage.

- Stainless steel type 304
- Comfortable grip
- Tube diameter 1-1/2" fits into standard rod holders 1-5/8" diameter
- Two piece design for easy storage

ORDER NO.	Mfr. No.	Description
305-160800	F16-0800-1	**Fixed Base Mount** - Come On Board Handle

Stainless steel receiver base ideal for gunnel or transom platform mounting. Attaches permanently to gunnel mount.

ORDER NO.	Mfr. No.	Description
305-160810	F16-0810-1	**Rod Holder Mount** - Come On Board Handle

Solid gimbal mount design assures proper locking placement.

For more information see: www.tacomarine.com

DOCK BENCH

- Strong anodized aluminum frame with extruded aluminum support legs
- Easy to assemble
- Heavy-duty design
- Weather resistant for harsh marine environment
- Packs neatly into box (19"W x 42"L x 5"D)

For more information see www.dockedge.com

DOCK PRO™ DOCK CART

Curved handle design reduces bending-over, making the Dock Pro dock cart easier to handle than conventional carts, while the unique angled tub feature provides better leg clearance for maneuvering. The Dock Pro dock cart is simply the easiest way to carry all your gear from the car to the boat. Features a spacious 7 cu. ft. heavy wall roto-molded poly-tub that will not rust or rot. Zinc coated corrosion resistant hardware used throughout. Plastic rim wheels with roller bearings will stand-up to the harshest marine environment.

Dimensions: 47"L x 23"W x 13"D

ORDER NO.	Mfr. No.	Weight Capacity	Wheel Size	Wheel Type
666-01060	1060	300 lbs.	20"	Solid
666-10600	1060W	Replacement Solid Wheel for Mfr. No. 1060		

For more information see: www.taylormadeproducts.com

DOCK EDGE

iCART

- Convenient, removable heavy-wall poly bucket (6.24 ft^3), 0.17 m^3 cargo area
- Powder coated steel frame
- E-Z-roll inflatable pneumatic tires easily traverse the most irregular surfaces
- Load capacity up to 300 lb. (136 kg)
- Quick & simple assembly

ORDER NO.	Mfr. No.	Description
440-90600	DE90600F	iCart with pneumatic tires
440-90605	DE90605F	iCart with solid tires

DOCK EDGE

SMARTCART

Attractive, functional, the SmartCart may be your new best friend dockside

- 8.77^3 ft (0.24 m^3) cargo area
- Removable ends for long loads
- Collapsible for quick & easy storage
- E-Z-roll inflatable pneumatic tires easily traverse the most irregular surfaces
- Corrosion resistant aluminum
- Load capacity up to 300 lb (136 kg)
- Minimal assembly required

ORDER NO.	Mfr. No.
440-90700	DE90700F

DOCK EDGE

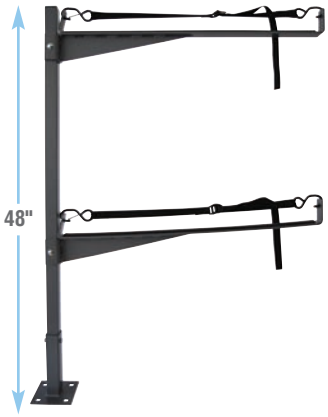
KAYAK HOLDER

- Easily mounts to your dock, deck, boathouse or any vertical surface
- Supports many times the weight of an average kayak
- Powder coated 1.5" round steel tubing and heavy duty steel construction
- Thick layer of foam protects your board or kayak from scratches
- Folds away when not in use to conserve space
- Mounting hardware not included due to widely varying mounting surfaces

ORDER NO.	Mfr. No.
440-90810	DE90810F

SUP/KAYAK RACK

- 32" wide support arms fits 2 kayaks, canoes, paddle boards, & surf boards, etc.
- Adjustable locking straps, with locking hook at one end
- Supports many times the weight of an average kayak
- 2' spacing lower rack
- Top rack open to accommodate any height
- Robust powder coated metal square tubing combined with thick metal fabrications & MIG welded for strength
- Universal mount is easy to assemble and take down
- Removable bolt detaches assembly for quick storage
- Powder coated popular grey Hammertone



ORDER NO.	Mfr. No.
440-90815	DE90815F

For more information see: www.dockedge.com

STOW 'N GO™ DOCK & PATIO STORAGE BOX

The Perfect Storage Box for your Dock, Pool or Patio

The Taylor Made PE Dock & Patio Storage Box is a durable polyethylene box that's perfect for your dock, pool or patio. It offers a secure place to store just about anything from life jackets and fishing supplies to cushions and pool accessories. Our boxes are manufactured with the highest quality UV-resistant polyethylene resin and is 100% maintenance-free. The double-walled lid is secured with a stainless latch, creating a weather- proof design to ensure your contents remain protected and dry. Available in classic white or sandstone color, which combines the fashionable appearance of authentic stone with the longevity of rotationally molded polyethylene.

Sandstone

Big enough to hold all your boating or poolside equipment

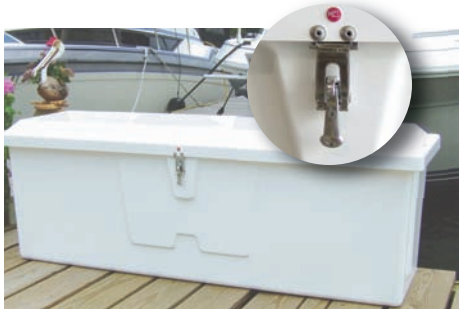
ORDER NO.	Mfr. No.	Colour	Size
666-23650	123650	Classic White	40"L x 24"W x 26"H
666-24650	124650	Sandstone	40"L x 24"W x 26"H
666-23750	123750	Classic White	67"L x 28"W x 24.5"H
666-24750	124750	Sandstone	67"L x 28"W x 24.5"H

STOW 'N GO™ FIBERGLASS DOCK BOXES

These fiberglass dock boxes are built tough. With a UV gelcoat finish and the stainless steel lockable latch and hardware these are sure to hold up in the harshest marine environments.
Our dock boxes incorporate gas shock lifts, which come standard on all models. These shocks help to keep your lid open on rocking docks and in higher wind areas and allows for a slower, more controlled closing. These fiberglass molded dock boxes are also constructed with a smooth interior finish which helps prevent splinters in your hands when storing or retrieving your boating accessories.

Standard Dock Boxes

Provide a large rectangular space in which to store all your boating needs.
(2 shocks installed)



ORDER NO.	Mfr. No.	Description	Height	Width	Depth
Standard Dock Boxes					
666-83562	83562	Small	24"	54"	22"
666-83552	83552	Medium	24"	72"	23"
666-83551	83551	Large	24"	85"	22"
666-83559	83559	Extra Large	24"	95"	22"
666-83553	83553	Deep Small	27"	46"	26"
666-83554	83554	Deep Medium	28.25"	72.75"	28.5"
Low Profile Dock Boxes					
666-83550	83550	Small	20"	40"	19"
666-83557	83557	Medium	18"	48"	20"
Fisherman's Dock Box					
666-83560	83560	Extra Large	24"	95"	22"
Top-Seat Dock Boxes					
666-83555	83555	Large	27"	46"	26"
666-83556	83556	Small	30"	17"	28.25"
Triangle Dock Box					
666-83561	83561	Triangle	27"	54"	33"

For more information see: www.taylormadeproducts.com

DOCK EDGE

DOCK EDGE GREEN PRODUCTS

DOCK EDGE SOLAR LIGHTS AT A GLANCE

CC ORDER NO.	Solar Light	Model No.	# of LED's	Lumens	LED Colours	Fresh/Salt Water	Run Time Hours	User Replacement Battery	Battery Qty/Size/Type	Waterproof Rating
440-96501	Solar Marker Light	DE96501F	6	40	1	Fresh	20	N	(1) Lithium	IP44
440-96310	Solar Dock & Deck Light Thin	DE96310F	6	8	1	Both	20	N	(1) LiFePO4.3.2V	IP68
440-96287	Solar Dock & Deck Light Ultra	DE96287F	12	8	1	Both	20	N	1) AA NiMH 1.2V	IP68
440-96286	Panoramic Dock Lite	DE96286F	4	5	1	Both	8	Y	(1) AAA NiMH 1.2V	IP65
440-96252	Solar Sentinel™	DE96252F	4	40	1	Both	12	Y	(2) AA NiMH 1.2V	IP65
440-96250	CleatLite™	DE96250F	4	40	1	Both	12	Y	(2) AA NiMH 1.2V	IP65
440-96264	Piling Lite™	DE96264F	4	40	1	Both	10	Y	(2) AA NiMH 1.2V	IP65
440-96255	DockLite™	DE96255F	6	6	1	Both	12	N	N/A	IP65
440-96257	Pro DockLite™	DE96257F	6	6	1	Fresh	10	Y	(2) AA NiMH 1.2V w/ connector 1.2V	IP65
440-96263	HD Aluminum DockLite	DE96263F	4	5	1	Both	10	N	N/A	IP65
440-96262	Docklite Value Pack	DE96262F	6	6	1	Fresh	10	N	N/A	IP65
440-96280	Post & Surface Mount Light	DE96280F	2	40	2	Fresh	10	Y	(1) LiFePO4.3.2V	IP65
440-96268	Piling CapLite™	DE96268F	6	10	6	Both	12	Y	(1) AAA NiCD 1.2V	IP65
440-96258	PostLite™	DE96258F	6	10	6	Fresh	12	Y	(1) AAA NiCD 1.2V	IP65
440-96272	Side Mount Lite	DE96272F	4	5	1	Fresh	10	Y	(1) AA NiMH 1.2V	IP65
440-96256	Solar Light HD	DE96256F	4	30	1	Fresh	12	Y	(2) AA NiMH 1.2V	IP65
440-96288 See page 771	Solar Dock Cleat	DE96288F	5	6	1	Both	12	Y	(1) AAA NiMH w/ solar panel 1.2V	IP65
440-96306	Starlite™ 108	DE96306F	6	5	1	Both	12	N	Solar Capacitor	IP67
440-96307	Starlite™ 120	DE96307F	4	5	1	Both	12	N	Solar Capacitor	IP67

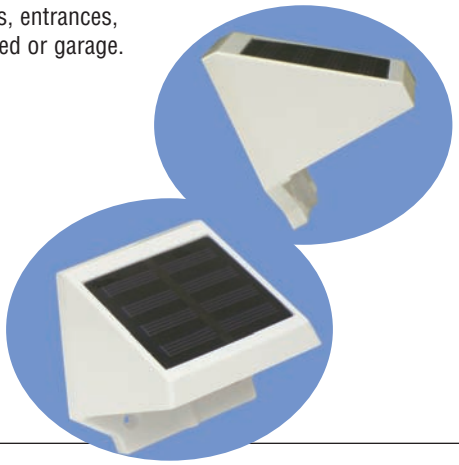
Note: When replacing your solar light battery, use a high quality rechargeable battery for optimal performance.

SOLAR DOCK LIGHTS

SIDE MOUNT SOLAR LIGHT

The Side Mount Lite is ideal for any location where a cast light is desirable such as walkways, entrances, illuminate your house number or areas difficult to reach with an electrical outlet such as a shed or garage.

- Ideal for home, cottage, deck or dock
- Small, compact, durable & attractive
- No wiring is necessary
- Automatically active at dusk
- Convenient On/Off switch to deactivate
- Li-ion battery - 1.2V 900 mh
- 4 brite white LEDs
- Weatherproof
- 5 lumens
- 10 hour run time



ORDER NO. 440-96272 Mfr. No. DE96272F 1Pc/ Pk

STARLITE™ SOLAR CAPACITOR SERIES

Welded Marine Grade Aluminum

The Starlite™ Capacitor Series of Solar lighting is for those with distinguishing tastes in design, durability and function. Not only are these unique and advanced solar lights built to provide a long and useful life, they actually seem to put out more light than they take in during the charging process. A capacitor stores the energy created from exposure to the sun, as well as charges the rechargeable battery. On days when there is insufficient sunlight to charge the battery, the capacitor re-energizes the battery with what it has held in safe keeping so you never have to go without light at night just because there wasn't enough during the day. Visible up to 1/2 mile or 800m. **5 Year Warranty**

ORDER NO.	Mfr. No.
440-96306	DE96306F

ORDER NO.	Mfr. No.
440-96307	DE96307F

SPECIFICATIONS	Model 108	Model 120
Auto On-At-Dusk	YES	YES
Colour	Charcoal Grey	Charcoal Grey
Dimensions (LxWxH)	4.25" x 3.46" x 0.9"	4.72" x 4.33" x .78"
Materials	Aluminum & Polycarbonate	Aluminum & Polycarbonate
LED's	6	4
Lumens (light emitted)	5	5
Solar Panel	2.5v, 95mA	2.5v, 105mA
Battery	Ni-MH 700mAh	Ni-MH 1000mAh
Capacitor	Super Capacitor 2 x 30F	Super Capacitor 2 x 30F
Operating Temperature	13 - 167˚F (-25˚C to 75˚C)	13 - 167˚F (-25˚C to 75˚C)
Waterproof to IP67	YES	YES
Load Capacity (weight)	30 Tons	30 Tons

SOLAR MARKER LIGHT

These automatic on-at-dusk lights are great for piling and docks!

- Size 4-7/8" x 3-15/16"
- 6pc. LED is visible for 1000 meters
- Constant/Flashing/Off Switch
- Flashes 35 times/minute
- Runs for 45 hours flashing or 20 hours constant on a full charge
- Lithium 1000mAh non-replaceable battery
- Waterproof IP44

ORDER NO.	Mfr. No.	Colour
440-96501	DE96501F	Clear
440-96503	DE96503F	Amber
440-96507	DE96507F	Red

For more information see www.dockedge.com

DOCK EDGE

DOCK EDGE GREEN PRODUCTS

Convenient Touchpad

POSTLITE™

- Install literally in minutes with NO WIRES
- Powerful solar charging capacity with 360˚ light diffusing polycarbonate lens & convex interior reflector maximize light output
- 6 Preinstalled LED colours with convenient touchpad built right into the circuit board means you can change colours to match a particular colour scheme
- Rechargeable replaceable AAA battery included & concealed securely under the circuit board
- Best suited for fresh water
- 10 lumens of emitted light
- 6 LED's
- 12 hour run time
- **Each PostLite™ fits post sizes: 1-5/8", 1-7/8", 2-3/8", & 3-1/4" I.D. as well as flat surfaces with the INCLUDED adapters**

ORDER NO. 440-96258 Mfr. No. DE96258F 2Pc/ Ctn

SOLAR POST TOP LIGHT - HEAVY DUTY

This solar post Top will fit your conventional 4" x 4" (10.2 x 10.2cm) wooden posts on an old or new project and bring a newer feel to those old, tired posts and railings

- Will fit conventional 4" x 4" wooden posts
- Corrosion-free construction
- Automatic on-at dusk, powerful solar charging panels
- Brite white LED's
- Clear polycarbonate lens secured between durable PVC upper & lower housings
- Includes replaceable rechargeable AA batteries
- Best suited for fresh water
- 30 lumens (emitted light)
- 4 LED's
- 12 hour run time

ORDER NO. 440-96256 Mfr. No.DE96256F

DOCKLITE™

The wireless solar DockLite™ is easy to install. Its durable, weatherproof low profile construction makes it an attractive and functional addition to docks, walkways, decks and landings. Ideal for illuminating trouble spots on pathways or transition areas such as from dock to shore. With extended duty solar charged batteries the DockLite™ and Heavy Duty PRO DockLite™ will last until sunrise. Automatic on-at-dusk. Easily withstands pededstrian and moderate vehicle traffic such as hand carts and more.

- Best suited for fresh water and salt water
- 6 lumens (emitted light)
- 6 LED's
- 12 hour run time

ORDER NO. 440-96255 Mfr. No. DE96255F 1Pc/ Pk

PRO DOCKLITE™

Each Pro Docklite™ comes individually packed in an attractive, consumer friendly carton. Low profile weatherproof construction and durability. Perfect for Docks, walkways, decks and landings.

- Includes replaceable rechargeable batteries
- Best suited for fresh water
- 6 lumens (emitted light)
- 6 LED's
- 10 hour run time

ORDER NO. 440-96257 Mfr. No. DE96257F 1Pc/ Pk

DOCKLITE™ VALUE 2 PACK

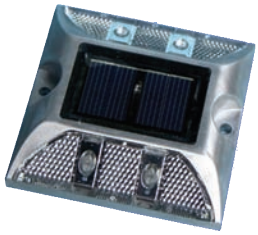
This value pack of solar DockLites is easy to install. The durable, weatherproof low profile construction makes them an attractive and functional addition to docks, walkways, decks and landings. Ideal for illuminating trouble spots on pathways or transition areas such as from dock to shore

- Best suited for fresh water
- 6 lumens (emitted light)
- 6 LED's
- 10 hour run time
- Installs easily with NO wires
- Automatic on-at-dusk

ORDER NO. 440-96262 Mfr. No. DE96262F 2Pc/ Pk

DOCKLITE™ HEAVY DUTY ALUMINUM DOCKLITE

Light up your Dock, Deck or Pathways with this attractive Solar Dock Lite



- Automatic on-at-dusk
- Installs easily with NO wires
- Corrosion resistant aluminum
- High intensity aluminum matte finish
- Traffic tolerant, toe friendly design
- Best suited for fresh water and salt water
- 5 lumens (emitted light)
- Bright white 4 LEDs
- 10 hour run time

ORDER NO. 440-96263 Mfr. No. DE96263F 1Pc/ Pk

For more information see: www.dockedge.com

SOLAR LIGHTS

DOCK EDGE GREEN PRODUCTS

Go Green. DockEdge solar products require only the suns energy and no wires to install. All are automatic On-At-Dusk.

DOCK EDGE

POST & SURFACE MOUNT LIGHT WITH MOTION SENSOR

- Runs for 10 hours on a full charge
- Best suited for fresh water
- Stainless steel light mounts on posts or any vertical surface
- Powerful solar charging performance
- Up to 3 metres and 90˚ detection angle vertically & horizontally
- White LED illuminates for 15 seconds when motion is detected
- Blue LED illuminates in standby
- Replaceable, rechargeable battery
- 40 lumens (emitted light)
- 2 LEDs

ORDER NO. 440-96280 1 Pc/Pk
Mfr. No. DE96280F

PANORAMIC DOCK LITE

- Perfect for docks and decks
- Automatic on-at-dusk
- Suited for fresh water and salt water
- Weatherproof, durable
- Works 8 hours on a full charge
- Replaceable, rechargeable battery
- 4-5 lumens (emitted light)
- 4 LED's

ORDER NO. 440-96286 1 Pc/Pk
Mfr. No. DE96286F

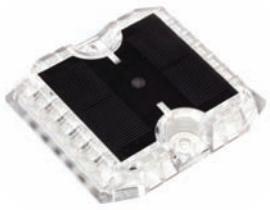
SOLAR DOCK & DECK LIGHT THIN

- Runs for 20 hours on a full charge
- Suited for fresh water and salt water
- Installs easily in minutes
- Made from polycarbonate
- Automatic on-at-dusk
- 5V, 60mA solar panel
- LiFePO4 (Lithium Iron Phosphate) 3.2V 500mah battery
- Measures 4.49 x 3.54 x 0.43" (114 x 90 x 11mm)
- 8 lumens (emitted light)
- 6 LEDs

ORDER NO. 440-96310 1 Pc/Pk
Mfr. No. DE96310F

NEW!

SOLAR DOCK & DECK LIGHT ULTRA



- Runs for 20 hours on a full charge
- Suited for fresh water and salt water
- Installs easily in minutes
- Made from polycarbonate
- Automatic on-at-dusk
- 2V, 200mA solar panel
- Ni-MH 1200mah battery
- Measures 4.53 x 4.13 x 0.79" (115 x 105 x 20mm)
- 8 lumens (emitted light)
- 12 LEDs

ORDER NO. 440-96287 1 Pc/Pk
Mfr. No. DE96287F

NEW!

SOLAR SENTINEL™

A solar station, which is not only attractive but also adds value and function to your docking area. Each Solar Sentinel™ incorporates stylish, durable solar lighting on an attractive, (white) broad based, tapered pillar to illuminate docking areas. Includes solar light, tapered pillar & replaceable rechargable AA batteries. **Excellent spot to secure a life ring with "J"-Hook,** *SOLD SEPARATELY (stainless steel, flush mount), ORDER NO. 440-90036*

- 40 lumens, • 4 LEDs
- 12 hour run time

ORDER NO. 440-96252 Mfr. No. DE96252F **LIGHT ONLY**

PILING LITE™

- Ideal for docks, decks, walkways & driveways or slip entries
- Attractive & functional & weatherproof
- Up to 10 hour run time
- Bright white LED / 360˚ illumination
- Powerful solar charging performance
- Installs easily with no wires
- Attractive & rugged broad-based ABS pillar
- Fits piling diameters 7" (17.8cm) and up
- Replaceable, rechargable (Ni-MH) AA batteries
- 40 lumens (emitted light)

ORDER NO. 440-96264 Mfr. No. DE96264F 1 Pc/ Ctn

CLEATLITE™

These solar lights are mounted on top of a sturdy galvanized steel base, housed inside an attractive, colonial style 12" tall, 4" wide vinyl pillar. Easy to install & NO WIRES. These decorative and functional dock accessories will add style to your dock day or night. The lamp is designed to illuminate your boat, dock and stainless steel cleat, and not shine in your eyes.

- 4 LEDs
- 40 lumens
- 12 hour run time

Each kit includes, pillar, stainless steel cleat, galvanized mounting base, solar light & replaceable rechargeable AA battery.

ORDER NO. 440-96250 Mfr. No. DE96250F
1 Pc/ Ctn

PILING CAPLITE™

- 360˚ illumination
- Automatic On-At-Dusk
- Flat or Conical Mount*
- Weatherproof
- Durable UV resistant ABS
- Wildlife deterrent spike
- Installs easily in minutes
- Includes rechargeable, replaceable AAA, Ni-CD battery
- 6 Preinstalled LED colours with convenient touchpad
- 10 lumens (emitted light)
- 12 hour run time

ORDER NO. 440-96268
Mfr. No. DE96268F 1 Pc/ Ctn

For more information see: www.dockedge.com

SWIVL-EZE®
EXCEEDS THE HIGHEST STANDARDS

The American Boat & Yacht Council has established rigorous safety codes for seating hardware. Swivl-Eze welcomes these standards because we know seating is the critical interface between a boating passenger and a safe and comfortable boat. We exceed ABYC standards to ensure the strength and safety of every Swivl-Eze product.

ABYC REQUIREMENTS REFERENCE GUIDE

To make specifying simple, we've created an easy visual coding system. Throughout this catalog, each code shows the rating applied to individual hardware.

- AO = Operator (Used at the helm/driver position)
- AN = Non-Operator (Not to be used at the helm/driver position)
- B = Not to be used at the helm/driver position for speeds not to exceed 5 mph

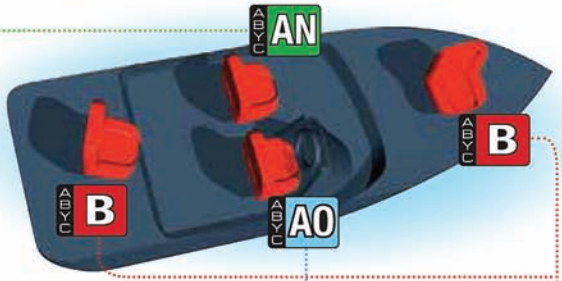
ABYC H31 SEAT STANDARDS

Go to attwoodmarine.com for updated requirements.

GENERAL REQUIREMENTS FOR ALL SEAT TYPES. (AO, AN, B)

31.6.1 Provided with a means to preent unintentional detachment
31.8.7 Withstand static load of 450 lbs.
31.8.13.1 Adjustable height seats must withstand vertical dynamic test

SPECIFIC REQUIREMENTS BASED ON SEAT TYPE (Catalog reference code)



AN
TYPE A: NON-OPERATOR
(Not to be used at the helm/driver position)

31.7.3 Swivel locking mechanism must sustain torque of 30 ft. lbs.
31.3 A seat designed for occupancy while the vessel is underway at any speed
31.7.1 Employ a locking mechanism for each plane or axis of movement
31.7.4 Seats with fore/aft adjustment must sustain static load of 300 lbs. for 3 minutes in mid position
31.7.5 Seats with a vertical adjustment feature shall have a positive locking mechanism
31.8.3 Sustain 10 impacts of 225 lbs.

AO
TYPE A: OPERATOR
(Used at the helm/driver position)

31.7.6.1 Must have positive locking swivels which withstand 150 ft. lbs. of torque
31.7.6.2 All seats interchangeable with the operator's seat must meet the requirements of this section
31.3 A seat designed for occupancy while the vessel is underway at any speed
31.7.1 Employ a locking mechanism for each plane or axis of movement
31.7.4 Seats with fore/aft adjustment must sustain static load of 300 lbs. for 3 minutes in mid position
31.7.5 Seats with a vertical adjustment feature shall have a positive locking mechanism
31.8.3 Sustain 10 impacts of 225 lbs

B
TYPE B
(Not to be used at the helm/driver position)

31.3 A seat designed for occupancy only at boat speeds not exceeding five miles per hour
31.8.3 Sustain dynamic loads at 1/2 the velocity required for Type A seats

EXCEPTIONS:

31.2.1 ABYC H31 standards do not apply to canoes, kayaks, sailboats, inflatables, race boats, tiller steered boats and boats rated for less than 10 horsepower or manual propulsion

PONTOON FURNITURE

WISE MARINE SEATING

DELUXE SERIES FEATURES:
- High impact marine-grade plastic frames
- Aluminum "No-pinch" hinges
- Contoured compression foam padding
- 28 oz. Marine grade vinyl
- Mildew resistant and UV treated
- Mounts on any pedestal or mounting surface with a 5-1/4" hole pattern
- Mounting screws included
- 5 Year Warranty on Frame
- 3 Year Warranty on Upholstery

8WD590 HIGH BACK SEAT

Height: 21.25"
Width: 17"
Depth: 21"
Seat Depth: 14"

NEW!

ORDER NO.	Mfr. No.	Colour
870-05901011	8WD590-1011	Grey/Navy/Blue
870-05901012	8WD590-1012	Grey/Red/Charcoal

8WD3315 DELUXE BUCKET SEAT W/ FLIP-UP BOLSTER

Height: 23"
Width: 19"
Depth: 27"
Seat Depth: 19.5"

NEW!

ORDER NO.	Mfr. No.	Colour
870-33151011	8WD3315-1011	Grey/Navy/Blue
870-33151012	8WD3315-1012	Grey/Red/Charcoal

PONTOON BUCKETS: FEATURES
- Roto molded, high impact plastic frame
- Flip-up bolster provides leaning surface
- Compression foam padding
- Double top stitching
- Heavy-duty 28oz marine grade vinyl
- Mildew resistant & UV treated
- Includes universal mounting plate
- 5 Year Warranty on Frame
- 3 Year Warranty on Upholstery

870-1168221

NEW!

870-110221 870-112221

870-13051011-L 870-13051011-R

870-00015

870-82118

ORDER NO.	Mfr. No.	Description	Colour
870-1168221	8WD1168-221	Steering Console w/Dual SS Cup Holders, 34.5"H, 29"L, 16.5"D, Footprint: 27.5" x 16.5"	Grey
870-110221	8WD110-221	Arm Rest - **Left Radius**, 22.5"H, x 7"W x 22.75"D	Grey
870-112221	8WD112-221	Arm Rest - **Right Radius**, 22.5"H, x 7"W x 22.75"D	Grey
870-13051011-L	8WD1305L-1011	Lean Back Recliner - **Left Radius**, 29.25"H, x 17"W x 23.75"D (Height without Cushion - 28.25"), w/ Dual Cup Holders	Grey
870-13051011-R	8WD1305R-1011	Lean Back Recliner - **Right Radius**, 29.25"H, x 17"W x 23.75"D (Height without Cushion - 28.25"), w/ Dual Cup Holders	Grey
870-82118	8WP21-18S	Adjustable Pedestal - Seat Mount Spider, Adjusts from 12" to 18" AD	
870-00015	8WD15	12 Way Position Locking Seat Swivel - Swivels 360°	

PREMIER PONTOON FURNITURE

FEATURES:
- Injection molded ergonomic seat frame system designed for ultimate all-day comfort. Features contoured lumbar back w/ integrated cushioning, superior durability & moisture mitigation
- Compression foam padding
- Heavy-duty 28 oz. marine grade vinyl
- UV treated and mildew resistant
- Mounts on any 5-1/4" hole pattern pedestal or mounting system
- 3 Year Warranty on Frame
- 3 Year Warranty on Upholstery

BM11009 PREMIER SERIES TORSA

Height: 22"
Width: 18"
Depth: 18.75"
Seat Depth: 15.5"

870-11009986

870-11009989

870-110091730

ORDER NO.	Mfr. No.	Colour
870-11009986	BM11009-986	Platinum/Spectra Navy/Cobalt Blue
870-11009989	BM11009-989	Platinum/Wineberry/Manitee
870-110091730	BM11009-1730	Mocha Java/Midnight/Rock Salt

For more information see: www.wiseseats.com

WISE MARINE SEATING

WD 707P SERIES LOUNGE SEATS BACK-TO-BACK – 10" Base Height

Seat Height: 28", Width: 17.5", Depth: 14.25"
Upright Length: 45.5", Extended Length: 64.5"
Base Height: 10", Width: 13.5"

870-707717

870-707715

FEATURES:

- State-of-the-Art, High-Impact Plastic Frames
- Vinyl Finish Molded Plastic Base
- Scuff & Mar Resistant
- Compression Foam Padding
- Removable Seat Cushion for Storage on Jump Seats
- Heavy-Duty 26 oz. Marine Grade Vinyl
- Mildew Resistant & UV Treated
- 6 Year Warranty on Frame
- 3 Year Warranty on Upholstery

ORDER NO.	Mfr. No.	Description
870-707710	WD707P1-710	White Lounge Seat, 10" Plastic KD Base
870-707715	WD707P1-715	Sand Lounge Seat, 10" Plastic KD Base
870-707717	WD707P1-717	Grey Lounge Seat, 10" Plastic KD Base

DELUXE SERIES PONTOON FURNITURE

DELUXE SERIES FEATURES:

- High impact injected molded plastic frames
- Roto molded plastic bases
- Scuff & mar resistant
- Stainless steel cup holders
- Removable seat cushion for storage
- Compression foam padding
- Heavy duty 28 oz. marine grade vinyl
- 5 Year Warranty on Frame
- 3 Year Warranty on Upholstery

WD95 28" BENCH & BASE

Height: 29.25" - Width: 28"
Depth: 24" - Seat Depth: 17.25"

870-0951011

ORDER NO.	Mfr. No.	Colour
870-0951011	WD95-1011	Grey/Navy/Blue
870-0951012	WD95-1012	Grey/Red/Charcoal

WD100 37" BENCH & BASE

Height: 29.25" - Width: 37"
Depth: 24" - Seat Depth: 17.25"

870-1001012

ORDER NO.	Mfr. No.	Colour
870-1001011	WD100-1011	Grey/Navy/Blue
870-1001012	WD100-1012	Grey/Red/Charcoal

WD125FF FLIP FLOP BENCH SEAT & BASE

Height: 32.25" - Depth: 27.5"
Width with Base Brackets: 36.5"
Width without Base Brackets: 32.5"

- Two position back rest
- Anodized aluminum arms
- Hinged seat cushion for storage

ORDER NO.	Mfr. No.	Colour
870-1251011	WD125FF-1011	Grey/Navy/Blue
870-1251012	WD125FF-1012	Grey/Red/Charcoal

WD133 DELUXE RADIUS CORNER

Height: 29.25"
Width: 25.375"
Depth: 32.75"
Seat Depth: 23.5"
Base Footprint: 25.375" x 32.75"

ORDER NO.	Mfr. No.	Colour
870-1331011	WD133-1011	Grey/Navy/Blue
870-1331012	WD133-1012	Grey/Red/Charcoal

For more information see: www.wiseseats.com

HIGH BACK BOAT SEATS

WISE MARINE SEATING

HIGH BACK FISHING BOAT SEATS

FEATURES:
- Injection molded high impact marine grade plastic frames
- Compression foam padding
- Heavy duty 28 oz. marine grade vinyl
- UV treated & mildew resistant
- 5 year warranty on frame
- 3 year warranty on upholstery

870-1062932 870-1062933 870-1062975

8WD1062LS
CLASSIC HIGH BACK
Height: 23.25" - Width: 16.5"
Depth: 20" - Seat Depth: 14.25"

ORDER NO.	Mfr. No.	Colour
870-1062932	8WD1062LS-932	Navy / White / Grey
870-1062933	8WD1062LS-933	Red / Grey / Charcoal
870-1062975	8WD1062LS-975	Grey / Charcoal / White

8WD588PLS
STANDARD HIGH BACK
Aluminum No-Pinch Hinges
Dimensions:
21.25"H x 17"W x 21"D - Seat Depth: 14"

ORDER NO.	Mfr. No.	Colour
870-588660	WD588PLS-660	Grey / Navy
870-588661	WD588PLS-661	Grey / Red
870-588664	WD588PLS-664	Grey / Charcoal

870-588660 870-588661 870-588664

BLAST-OFF TOUR SERIES
BASS - CRAPPIE - WALLEYE - FISH-N-SKI
MIX & MATCHING SEATING

8WD1461
17" WIDE HIGH BACK BOAT SEAT WITH FLAT PIANO TYPE HINGE
Height: 21.25" - Width: 17"
Depth: 18.75" - Seat Depth: 14"

FEATURES:
- High impact marine grade plastic frame
- Compression foam padding
- Double top stitch
- Heavy duty 28 oz. marine grade vinyl
- Mildew resistant & UV treated
- No-pinch aluminum hinges
- Less swivel
- 5 year warranty on frame
- 3 year warranty on upholstery

870-1461840

ORDER NO.	Mfr. No.	Colour
870-1461840	8WD1461-840	Cuddy Marble Grey / Cuddy Charcoal / Round Midnight Navy

3340 - QUANTUM SERIES HIGH BACK FOLD DOWN
Height: 22" - Width: 18.25"
Depth: 22" - Seat Depth: 16.5"

FEATURES:
- 2 Piece co-polymer seat frame w/ folding lock
- Long lasting comfort & durability with high density, 2 lb. molded foam pack
- Form fitting seat cover in mixed texture, heavy-duty marine grade vinyl
- UV treated & mildew resistant
- Auto-locking when folded with push tab release
- Mounts on any pedestal or flat surface with a 5-1/4" hole pattern
- Seat slide compatible
- Includes stainless steel mounting screws
- 3 year warranty

NEW!

870-33401788 870-33401789

ORDER NO.	Mfr. No.	Colour
870-33401788	3340-1788	Jazz Black / Marble / Charcoal
870-33401789	3340-1789	Mariner Blue / Charcoal / Marble

For more information see: www.wiseseats.com

WISE MARINE SEATING

WD734PLS
PROMOTIONAL LOW BACK FISHING SEATS

INJECTED MOLDED PLASTIC FRAME

Height: 18.75" - Width: 15.75"
Depth: 18.5" - Seat Depth: 14"

870-734660

870-734662

870-734711

870-734717

ORDER NO.	Mfr. No.	Colour
870-734660	WD734PLS-660	Grey/Navy
870-734661	WD734PLS-661	Grey/Red
870-734662	WD734PLS-662	Sand/Brown
870-734664	WD734PLS-664	Grey/Charcoal
870-734711	WD734PLS-717	Navy
870-734717	WD734PLS-711	Grey

FEATURES:
- Injection molded high impact marine grade plastic frames
- Compression foam padding
- Heavy duty 28 oz. marine grade vinyl
- UV treated & mildew resistant
- 5 year warranty on frame
- 3 year warranty on upholstery

3313
PROMOTIONAL LOW BACK SEAT

Height: 18" - Width: 16"
Depth: 16.25" - Seat Depth: 13.75"

331-30711

331-30717

ORDER NO.	Mfr. No.	Colour
331-30711	3313-711	Navy
331-30717	3313-717	Grey

MOLDED FISHING BOAT SEATS

INJECTED MOLDED EXTERNAL PLASTIC FRAME

FEATURES:
- State-of-the-Art, High-Impact Plastic Frames
- Heavy-Duty 28 oz. Marine Grade Vinyl
- Mildew Resistant & UV Treated
- Mounting Screws Included
- 3 Year Warranty on Frame
- 3 Year Warranty on Upholstery

WD140LS MOLDED PLASTIC BUCKET SEAT

Height: 16" - Width: 17"
Depth: 19" - Seat Depth: 20"

870-140713

ORDER NO.	Mfr. No.	Colour
870-140710	WD140LS-710	White
870-140713	WD140LS-713	Green
870-140717	WD140LS-717	Grey

WD138LS FOLDING PLASTIC SEAT

WITHOUT SWIVEL & CUSHION PADS

Height: 15.25" - Width: 20.25"
Depth: 18.5" - Seat Depth: 15.5"

870-138717

ORDER NO.	Mfr. No.	Colour
870-138717	WD138LS-717	Grey

WD139LS CUSHIONED FOLDING PLASTIC SEAT

WITHOUT SWIVEL

Height: 15.75" - Width: 20.25"
Depth: 19.7" - Seat Depth: 15.5"

870-139041

870-139717

ORDER NO.	Mfr. No.	Colour
870-139041	WD139LS-041	White Seat with Navy Cushion Pads
870-139717	WD139LS-717	Grey Seat with Grey Cushion Pads

WISE MARINE SEATING

TORSA SERIES SEATS

3150 TORSA SPORT

Mixed Textured Vinyls
Height: 22" - Width: 18"
Depth: 18.75" - Seat Depth: 15.5"

870-3151817

ORDER NO.	Mfr. No.	Colour
870-3151817	3150-1817	Blue Rain / Reef Stone / Sky Grey

FEATURES:
- Revolutionary ergonomic seat frame system w/ integrated cushioning, superior durability, & moisture mitigation
- Compression foam padding
- Double top stitch
- Heavy duty 28 oz. marine grade vinyl
- UV treated & mildew resistant
- 3 year warranty on frame
- 3 year warranty on upholstery

3155 TORSA PRO ANGLER 1

Marine Grade Vinyl
Height: 22" - Width: 18" Depth: 18.75" - Seat Depth: 15.5"

870-3155784

ORDER NO.	Mfr. No.	Colour
870-3155784	3155-784	Cuddy Brite White

3156 TORSA PRO ANGLER 2

Marine Grade Vinyl
Height: 22" - Width: 18" Depth: 18.75" - Seat Depth: 15.5"

870-3156911

870-3156900

ORDER NO.	Mfr. No.	Colour
870-3156911	3156-911	Cuddy Marble / Charcoal
870-3156900	3156-900	Cuddy Marble / Midnight Navy

FISHING BOAT SEATS

8WD999PLS TRACKER STYLE HIGH BACK

OEM Style, Silver Powder Coated
No Pinch Hinges
Height: 19" - Width: 17"
Depth: 19.5" - Seat Depth: 14.25"

870-999840

870-999841

ORDER NO.	Mfr. No.	Colour
870-999840	8WD999PLS-840	Marble / Midnite / Charcoal
870-999841	8WD999PLS-841	Marble / Dark Red / Charcoal

FEATURES:
- Injection molded high impact plastic frames
- Compression foam padding
- Heavy duty 28 oz. marine grade vinyl
- Mildew resistant & UV treated
- 5 year warranty on frame
- 3 year warranty on upholstery

BIG MAN FISHING SEATS

3058 HUSKY PRO EDITION BIG MAN

OEM Grade XTR No Pinch Hinges
Height: 24.5" - Width: 19" - Seat Depth: 16.5"

870-30581902

870-30581903

ORDER NO.	Mfr. No.	Colour
870-30581902	3058-1902	Marble / Sky Grey / Reef Stone
870-30581903	3058-1903	Midnight / Marble / Reef Stone

For more information see: www.wiseseats.com

WISE MARINE SEATING

AERO X COOL RIDE HIGH BACK SEAT

- Breathable mesh fabric sitting surface
- No-pinch hinge system, replaces restrictive support straps
- Seamless back frame
- Aircraft grade aluminum construction with powder coated finish
- Accessorize with gear holding expansion slots
- Includes stainless steel mounting hardware
- UV treated and mold & mildew resistant
- Mounts to any marine pedestal with 5-1/4" hole pattern
- Colour: Carbon Grey
- 3 year warranty

NEW!

Dimensions:
23"H x 19.75"W x 28.50"D
Sitting Depth: 18"

ORDER NO. 870-33730
Mfr. No. 3373-1800

CASTING DECK PRO SEATS

FEATURES:

- Mounts on Any Standard Pedestal or Swivel
- State-of-the-Art, High-Impact Plastic Frames
- Compression Foam Padding
- Heavy-Duty 26 oz. Marine Grade Vinyl
- Mildew Resistant & UV Treated
- 6 Year Warranty on Frame
- 3 Year Warranty on Upholstery

870-112717

WD112BP PRO SEAT

W/ EMBOSSED PATTERN
Height: 5.25"
Width: 15"
Depth: 11"
Seat Depth: 8.5"

870-112720

ORDER NO.	Mfr. No.	Colour
870-112717	WD112BP-717	Grey
870-112720	WD112BP-720	Charcoal

SKI BOAT BUCKET SEATS

CRUISER / RUN-A-BOUT / SKI

FEATURES:

- Roto-Molded High Impact Marine Grade Frames
- Compression Foam Padding
- Heavy-Duty 28 oz. Marine Grade Vinyl
- Flip-Up Bolster provides Leaning Surface
- Mildew Resistant & UV Treated
- Includes (1) Mounting Plate (WD399-1)
- 5 Year Warranty on Frame
- 3 Year Warranty on Upholstery

Bolster Up

3315 BAJA SERIES BUCKET SEATS W/BOLSTER

Height: 23" - Width: 19"
Depth: 27" - Seat Depth: 19.5"

ORDER NO.	Mfr. No.	Colour
870-33150-1	3315-784	Brite White
870-33150-2	3315-1773	Brite White/ Grey / Midnight Navy
870-33150-3	3315-1774	Brite White/ Grey / Dark Red
870-33150-4	3315-1782	Brite White/ Grey / Black

WISE MARINE SEATING

BOAT SEATS

Folded

XXL FOLDING CHAIRS

- High density cushions for all day comfort
- Pinchless Hinges
- Seat back folds down for storage and travel
- 5 year warranty

Dimensions:
26"H x 20"W x 17"D

ORDER NO.	Mfr. No.	Description
104-06910	1040691	Blue & Grey
104-06930	1040693	Grey & Charcoal
104-06970	1040697	Mossy Oak Duck Blind

DELUXE SPORT FLIP-UP CHAIR

- Heavy-duty marine grade vinyl over plush foam padding
- Bolster flips up for leaning position
- 5 year warranty

Dimensions:
Overall: 24.5"H x 20.5"W x 23"D
Seat: 15"W x 20"D (14.5"D with bolster in up position)

ORDER NO.	Mfr. No.	Description
104-32510	1043251	Navy & White

SKIPPER PREMIUM HIGH BACK SEATS

NEW DESIGN

- Premium high quality upholstery & cushions
- Weather resistant marine grade vinyl with optimal UV protection
- External injection molded seats with interlocking hinge for greater structural support
- Designed for maximum support, style & comfort
- Subtle curves provide lumbar support
- 1 year warranty on upholstery & cushions
- 5 year warranty on frame & substrate

Dimensions:
24.5"H x 18.5"D x 19.75"W

106-10630-B

106-10690-B

ORDER NO.	Mfr. No.	Description
106-10630-B	1061063-B	Charcoal/Grey
106-10690-B	1061069-B	Blue/Grey

SKIPPER PREMIUM LOW BACK SEATS

NEW DESIGN

- Contoured lumbar cushion cradles your back for maximum support
- Designed for style, comfort, and durability
- Folds down easily
- Concealed pinch proof hinges
- Weather resistant marine grade vinyl
- Universal mounting pattern

Dimensions:
22"H x 18."D x 18"W

106-10771

106-10791

ORDER NO.	Mfr. No.	Description
106-10771	1061077-1	Black/Grey
106-10791	1061079-1	Blue/Grey

PREMIUM FOLDING SEATS

- Premium high quality upholstery & cushions
- Weather resistant marine grade vinyl
- Rigid injection molded frame
- Designed for maximum support, style & comfort
- Heavy-duty aluminum powder coated hinges
- Durable strap with snaps hold seat closed when folded down
- 1 year warranty on upholstery & cushions
- 5 year warranty on frame & substrate

Dimensions:
24.5"H x 17"D x 17"W

106-20310

106-20340

ORDER NO.	Mfr. No.	Description
106-20310	1062031	Blue/Grey
106-20340	1062034	Charcoal/Grey

For more information see www.springfieldgrp.com

LOW BACK FOLDING COACH BOAT SEATS - ECONOMY

with Standard Hinge

- Plush padding
- Durable upholstery
- Rigid plastic injection molded frame
- Retention strap with snap
- Threaded T-Nuts and stainless steel screws for easy installation
- Dimensions: 15.5"L x 16"W x 19"H

ORDER NO.	Mfr. No.	Colour
104-06230	1040623	Grey
104-06290	1040629	White

104-06290

104-06230

FISH PRO 1 CHAIRS – FOLDING

NEW DESIGN

- Plush padding
- Durable upholstery with hand stitched seams
- High back for added support and comfort
- Centre pivot comfort fold down
- Rigid plastic injection molded frame
- Built-in Dry Storage deep pocket with Velcro flap
- Threaded T-Nuts and stainless steel screws for easy installation
- Dimensions: 23.5"W x 19.5"W x 26.5"H

MULTI COLOURS

ORDER NO.	Mfr. No.	Colour
104-16310-1	1041631-1	Blue/Grey
104-16340-1	1041634-1	Charcoal/Grey

SOLID COLOURS

ORDER NO.	Mfr. No.	Colour
104-16060-1	1041606-1	White

104-16340-1

104-16310-1

SPORT BUCKET CHAIRS W/FLIP-UP BOLSTER

- Marine grade vinyl
- Frame is bent aluminum tube
- Aluminum rail base with starboard support
- Flip-Up Bolster Dimensions: 6"D x 15"W x 4"H
- Overall Dimensions: 19.5"L x 15.5"W (Seating area) x 20"H
- Bolt mounting pattern: 9.5" x 9.5" or 9.5" x 11"

ORDER NO.	Mfr. No.	Colour
104-35010	1043501	White

CLASSIC FOLDING DECK CHAIR – CLASS B

- Durable and weather resistant
- High density foam cushions covered with heavy-duty marine grade vinyl that is mildew resistant and UV treated
- Aluminum with bright dip finish
- Double tubes for extra sturdiness
- Folds flat for compact storage
- Seating Area: 16"L x 20"W x 16"H
- Overall Dimensions: 24"L x 24"W x 31.5"H

ORDER NO.	Mfr. No.	Colour
010-80021	1080021	White

SKIPPER CHAIR PACKAGE
with Cushions – Fold Down

Skipper Grey Chair w/Black & Grey Cushions
- Injection molded seats with interlocking hinge for greater structural support.
- High density cushions for all day comfort.
- 5 year warranty (Frame & Substrate)
- 1 year warranty (Upholstery & cushions)

Package Includes:
15" Explorer pedestal post anodized with 9" satin base and Kingpin™ Trac-Loc™ seat mount rotates 360˚
Dimensions:
18"H x 20"W x 17"D
Universal Mounting Pattern:
5"x5" & 5.5" x 5.5" & 5"x12"

A **CLASS A**
Seat designed for occupancy while the boat is underway at any speed.

B **CLASS B**
Seat designed for occupancy only at boat speed not exceeding five miles per hour

AP **CLASS A PASSENGER**
Seat mount must resist 30 foot pounds of torque

AD **CLASS A DRIVER**
Seat mount must incorporate a "mechanical interference lock" and resist 150 pounds of torque

ORDER NO. 100-10030
Mfr. No. 1001003

Dimensions:
18"H x 20"W x 17"D
Universal Mounting Pattern:
5"x5" & 5.5" x 5.5" & 5"x12"

SKIPPER CHAIRS
Multi Colour – Fold Down
- Injection molded seats heavy duty with interlocking hinge for greater structural support
- Marine grade plastic
- High density cushions for all day comfort.
- Seat back folds down for storage and travel
- 5 year warranty (Frame & Substrate)
- 1 year warranty (Upholstery & cushions)

ORDER NO.	Mfr. No.	Description
106-10160	1061016	White & Blue Cushions
106-10170	1061017	Grey & Charcoal Cushions

For more information see: www.springfieldgrp.com

NEPTUNE III LEANING POSTS
FEATURES & BENEFITS
- (4) TACO poly tulip rod holders
- Deluxe includes (4) TACO aluminum tulip rod holders & backrest/grabrail
- Folding foot rest
- Cooler storage and strap

L10-2010BSA-1

MATERIAL CHARACTERISTICS
- Aluminum frame, spiral sanded, bright dip anodized
- One-piece welded frame construction made from marine-grade aluminum
- Seat cushions constructed with marine-grade vinyl, foam and PVC board substrate
- White upholstery
- Anti-warp and anti-rot
- Mildew, fungus and UV-resistant

L10-2005BSA-1

ORDER NO.	Mfr. No.	Description
305-10205	L10-2005BSA-1	Neptune III Leaning Post
305-10201	L10-2010BSA-1	Neptune III **Deluxe** Leaning Post

For more information see: www.tacomarine.com

BOATERS VALUE FOLDING DECK CHAIR
- Anodized Aluminum Folding Chair Frame

Specifications:
Height: 31", Width: 25"
Depth: 23", Seat Depth: 16"

ORDER NO. 870-33160
Mfr. No. 3316-784

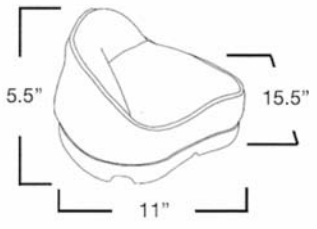
DOCK BENCH

- Strong anodized aluminum frame with extruded aluminum support legs
- Easy to assemble
- Heavy-duty design
- Weather resistant for harsh marine environment
- Packs neatly into box (19"W x 42"L x 5"D)

ORDER NO.	Mfr. No.	Description
109-90502-2	1099050-2	Aluminum Dock Bench

PRO STAND-UP SEATS

- Bicycle style seat comes with foam padding covered in marine grade vinyl.
- Plastic substrate; no more wood to rot out!
- Compact design allows for more room when standing up to fish. Whether you sit or lean against this seat, it povides comfort and stability
- Universal mounting pattern: 5" x 5"
- Includes external cover for comfort



ORDER NO.	Mfr. No.	Colour
104-02120	1040212	Black
104-02130	1040213	Grey

For more information see www.springfieldgrp.com

OPTIONAL REINFORCEMENT PLATE

- For use on roto-cast seats such as this when a fore and aft seat slide is not used. Accepts 99023 and 99235 swivels.

SPECIFICATIONS

13" x 7.875" x 3/16" (33 x 20 x 64 cm) thick aluminum plate, mounting hole pattern 12.5" x 5" (32 x 13 cm)

ORDER NO.	Mfr. No.	Description
459-99070	99070	Optional re-inforced plate

SWIVEL STANCHION FOOT RESTS

- Eliminates dangling feet – Adds comfort at helm
- Aluminum casting fits all fixed height 2-7/8" dia. stanchion
- Traction grooved stepping surface
- Fits all 2-7/8" Garelick / EEz-In seat bases
- 14" (35cm) Wide, 11.3" (28cm) Deep

ORDER NO.	Mfr. No.	Description
459-75004	75004	Aluminum Casting

ADJUSTABLE FOOT REST

- Modern Styling – 15" width.
- Provides added comfort for multiple users at helm.
- 4 positions provide 5" of vertical height adjustment.
- Angled 18 degrees down for more comfort when resting on stepping surface
- Traction grooved step surface with teak inserts.
- Rounded corner design helps eliminate scraping ankles.

Heavy duty wrap around aluminum extrusion with brushed anodized aluminum finish and teak treads.

ORDER NO.	Mfr. No.
459-27516	27516

SPECIFICATIONS

7.5" H x 15" W x 8.25" D (19 x 38 x 21 cm)

For more information see: www.garelick.com

YACHT CHAIR PACKAGES

AD

THE ADMIRAL

This all-weather chair with comfortable arm rests comes with a 9" heavy-duty die-cast aluminum base. The swivel rotates 360-degrees and the easy-grip handle can lock from right or left. Additional features include:

- Turning radius of 12"
- Recessed bottom. (Strengthens chair)
- Slotted back for hand grip
- Anodized 15" post, 2-7/8" diameter
- Adjustable 0° or 3° angled seat mount
- Cushions available

Seat Dimensions: Height: 17", Width: 19", Depth: 16"

ORDER NO.	Mfr. No.
100-14080	1001408-L

AD

THE COMMODORE

This popular chair package provides the boater with the stability needed to land the "big ones". Consider the Trac-Lock chair slide with 5" fore and aft travel, the 9" heavy-duty cast aluminum anodized base, the 360° locking swivel and much more:

- Turning radius of 12-3/4"
- Anodized 17" post, 2-7/8" diameter
- Adjustable 0° to 3° angled seat mount
- Easy grip handle can lock from left to right
- Plush foam padding
- Non-seamed cushion that won't trap water
- Textilene Mesh Underliners (Permits cushion to dry)
- Marine grade vinyl

Seat Dimensions: Height: 19", Width: 20", Depth: 16"

ORDER NO.	Mfr. No.
100-02050	1000205-L

AD

DELUXE BLUEWATER PACKAGE

This well made, well matched unit starts with our Bluewater chair shell for any size boater. Then we pair it with our Mainstay Power Pedestal that not only provides instant height adjustment but also acts as a shock absorbing pedestal. Cushions made with marine grade vinyl, plush foam padding; Textilene mesh underliners permit cushion to dry. Unit also includes Uni-Lock chair slide. Anodized for saltwater use. Includes Mainstay Pedestal with 14-1/2" to 19-1/2" adjustment.

Specifications:
Base: 9" ; 8" hole pattern.
Post (lower) 2-7/8"; (upper) 2-3/8" diameter
Seat Dimensions: Height: 19.5", Width: 25", Depth: 17"

ORDER NO.	Mfr. No.
110-01204	1001204-L

AD

NEWPORT CHAIR PACKAGE

- All weather chair with arm rests
- Height adjusts 13-1/2" - 16-3/4"
- 2-3/8" Trac-Lock Slide/Swivel (non-locking)
- Marine Grade Vinyl
- Adjustable polished base and post
- Comes with Cushions

Seat Dimensions: Height: 18", Width: 20", Depth: 15"

ORDER NO.	Mfr. No.
106-01000	1060100

A **CLASS A**
Seat designed for occupancy while the boat is underway at any speed.

B **CLASS B**
Seat designed for occupancy only at boat speed not exceeding five miles per hour

AP **CLASS A PASSENGER**
Seat mount must resist 30 foot pounds of torque

AD **CLASS A DRIVER**
Seat mount must incorporate a "mechanical interference lock" and resist 150 pounds of torque

For more information see: www.springfieldgrp.com

SPRING-LOCK™ SERIES

STAINLESS STEEL REMOVABLE PEDESTAL SYSTEM

POWER RISE ADJUSTABLE PEDESTAL

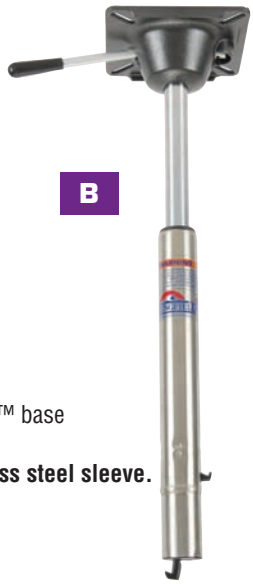
Adjustable for Control & Comfort

B

- Air-Powered height adjustment
- Adjusts from 13-1/2" to 20"
- Rotates 360˚
- Stainless steel post
- Polished finish
- Use with any Non-Locking Spring-Lock™ base

Power cylinder is protected by a stainless steel sleeve.

ORDER NO. 164-20050
Mfr. No. 1642005



POWER RISE ADJUSTABLE STAND-UP PEDESTAL

Post with Seat Mount

B

- Adjusts from 22-1/2" to 29-1/2"(unless noted)
- Rotates 360˚
- Stainless steel post
- Polished finish
- Use with any Non-Locking Spring-Lock™ base

Power cylinder is protected by a stainless steel sleeve.

ORDER NO. 164-20080
Mfr. No. 1642008

SWIVEL

- E-Coat finish to resist corrosion
- Use with any Spring-Lock post

ORDER NO. 164-02020
Mfr. No. 1640202

B

FIXED HEIGHT POSTS

- Hefty 1-3/4" diameter stainless steel
- Use with any Non-Locking Spring-Lock™ seat mount (Sold Separately)
- Use with any Non-Locking Spring-Lock™ base (Sold Separately)

ORDER NO.	Mfr. No.	Post Length
164-04040	1640404	13-1/2”
164-04030	1640403	15-1/2”
164-04250	1640425	25”

B

NON-LOCKING BASES

9” Round Base

- High-strength aluminum
- Satin finish
- Below the deck mount, requires a 4" hole in deck
- Use with any Spring-Lock™ post (Sold Separately)

ORDER NO. 164-00020
Mfr. No. 1640002

7” x 7” Square Base

- Mild steel
- Powder coat finish
- Below the deck mount, requires a 4" hole in deck
- Use with any Spring-Lock™ post (Sold Separately)

ORDER NO. 164-00070
Mfr. No. 1640007-CL

B

B

CLASSIFICATIONS

AP B

See Page 800 for Class descriptions

CLASSIFICATIONS

AD AP B

See Page 800 for Class descriptions

TAPER-LOCK™ SERIES

POWER-RISE WITH LOCKING HANDLE

B

Adjustable and Secure for Control and Comfort

- Adjusts from 13-1/2" to 20"
- 2-3/8" post
- Rotates 360°
- Cam prevents free spinning while trailering
- Use with any Taper-Lock™ base (Sold Separately)

ORDER NO. 160-10021
Mfr. No. 1601002-L

13" FIXED HEIGHT POST

AP

- 13" Post
- Use with 2-3/8" Trac-Lock, non-locking swivel (Order No. 110-00310) (Sold Separately)
- Use with any Taper-Lock™ base (Sold Separately)

ORDER NO.	Mfr. No.	Post Dia.	Finish
160-06100	1600610	2-3/8"	Polish

MANUAL ADJUSTABLE PEDESTAL WITH SEAT MOUNT

2-Piece set includes:

- 2-3/8" manual adjustable post (with posi-lock system)
- Trac-Lock non-locking swivel (Order No. 110-00310)
- Use with any Taper-Lock™ base (Sold Separately)

ORDER NO.	Mfr. No.	Adjustments
160-38250	1603825	13" to 16"
160-38240	1603824	21" to 31"

B

POWER-RISE STAND-UP PEDESTAL

Post with Seat Mount

- Adjusts from 22-1/2" to 29-1/2". Rotates 360°
- 2-3/8" post
- Brite Dip finish
- Use with any Taper-Lock™ base (Sold Separately)
  Replaces 160-20240

ORDER NO.	Mfr. No.	Post Dia.
160-20160	1602016	2-3/8"

B

REMOVABLE PEDESTALS

TAPER-LOCK 2-PIECE PEDESTAL SET HI-LO NON-LOCKING 2-PIECE PACKAGE

This 2-position, 2-part system allows upright seating while fishing, or compact storage and increased driver visibility while the boat is underway.

2-Piece Hi-Lo Set Includes: B

- Taper-Lock™ Hi-Lo Polished Post, 2-3/8" (Order No. 160-04060)
- Taper-Lock™ Hi-Low Swivel (Order No. 160-02050)
- 16" from deck to top of swivel
- Use with any Taper-Lock™ base (Sold Separately)
  Replaces 160-04270

ORDER NO.	Mfr. No.
160-04200	1600420

160-04200

2-Piece Hi-Lo Set Includes: AD

- Taper-Lock™ 13" polished post (Order No. 160-04060)
- Taper-Lock™ locking 2-3/8" swivel
- Use with any Taper-Lock™ base (Sold Separately)

ORDER NO.	Mfr. No.
160-06071	1600607-L

160-006071

REMOVEABLE PEDESTALS

TAPER-LOCK™ HI-LO SWIVEL

B

- Polished finish
- Use with hi-lo seat mount, (Order No. 160-02050) (Sold Separately)
- Use with any Taper-Lock™ base (Sold Separately)

ORDER NO.	Mfr. No.	Diameter	Description
160-04090	1600409	2-3/8"	9" Post, Polished Finish
160-04060	1600406	2-3/8"	13" Post, Polished Finish

TAPER-LOCK™ HI-LO SWIVEL

B

- Swivel adds 4" to height of post
- E-Coat finish
- Use with any taper-lock hi-lo post (Sold Separately)

ORDER NO. 160-02050
Mfr. No. 1600205

TAPER-LOCK™ BASES

(A)

Satin - No. 1600003

(B)

No. 1600005

ORDER NO.	Mfr. No.	Fig.	Description
160-00030	1600003	A	9" Round, Brushed Satin
160-00050	1600005	B	9" Flat, Brushed Satin

(C)

No. 1600010
(8" Hole Pattern)

ORDER NO.	Mfr. No.	Fig.	Description
160-00100*	1600010	C	9" Surface Mount, Brushed Satin

**Does not require a hole in the deck*

WAVE DAMPENING

2-7/8" EZ-RIDE PEDESTAL PACKAGE

Uses a gas shock inside a mechanical spring to provide non adjustable wave dampening and soft ride.

- 12" anodized aluminum pedestal with 9" round base
- 3-1/2" outer post with 2-7/8" inner post and four grooves with keys to provide rotation lock and restrict movement collar covers bushing and inner post keys
- Allows 3-1/2" vertical travel
- Developed and intended for recreational inshore use
- Tested to ABYC H31 dynamic static loads

AD

ORDER NO. 108-01360-1
Mfr. No. 1080136-L1

CLASSIFICATIONS

AD B

See Page 800 for Class descriptions

NON-REMOVABLE PEDESTALS

ECONOMY ADJUSTABLE PEDESTAL

B

- 7" x 7" square base and seat mount
- Rugged, all steel construction with E-Coat protection
- Adjusts from 12" to 18" (In 2" Increments)
- For use with standard boat seats

ORDER NO. 156-11070
Mfr. No. 1561107

For more information see: www.springfieldgrp.com

REMOVABLE PEDESTAL SYSTEMS

KINGPIN™ SERIES

HI-LO 3 PIECE PACKAGE

This is a unique 2-position, 3-part system that allows full upright seating while fishing.

Package Includes:

3-Piece Hi-Lo Set Includes:

- 11" standard KingPin™ post, anodized finish (CC #161-04110-A) or 13" standard KingPin™ post, anodized finish (CC #161-04130-A)
- Hi-Lo swivel with spring, e-coat finish (CC #161-52010)
- 7" x 7" standard KingPin™ base, satin finish (CC #162-00010)

Note: Swivel adds 2-1/2" to height of post

ORDER NO.161-54310-1A Mfr. No. 1615431-1

Unit Height: 13-1/2"

B

Cutaway view of Kingpin™ pedestal post in base

CLASSIFICATIONS

B

See Page 800 for Class descriptions

POWER-RISE ADJUSTABLE PEDESTALS

POWER-RISE STAND-UP POST

B

ORDER NO.	Mfr. No.	Adjustable Height
161-24020-A	1612402-A	23-1/2" to 30-1/2"

POWER-RISE SIT-DOWN POST

B

ORDER NO.	Mfr. No.	Adjustable Height
161-24010-A	1612401-A	16" to 22-3/8"

Adjustable for Control and Comfort

Use on Pontoon Boats, Small Boats, Fishing Boats

- Adjust height to be used as seat or leaning post
- Rotates 360°
- Corrosion resistant
- Anodized finish
- Use with any standard KingPin™ base (Sold Separately)

MANUAL ADJUSTABLE PEDESTAL

Adjustable for Control and Comfort

- Adjusts from 22" to 31" in 1" increments
- Posi-Lock lever secures post at desired height
- Allows swivel to rotate 360°
- Anodized finish
- Use with any KingPin™ seat mount (Sold Separately)

ORDER NO. 161-34020-A B

Mfr. No. 1613402-A

STANDARD OFFSET POST

- 1-3/4" diameter 13" post
- Mild steel with E-Coat pin
- Provides a full 5" of offset extension
- Use with any Kingpin™ seat mount (Sold Separately)
- Use with any standard Kingpin™ bases (Sold Separately)

ORDER NO. 161-04131 B

Mfr. No. 1610413-OSS

7" X 7" SWIVEL SEAT MOUNT

- Unintentional detachment, to comply with ABYC
- 7" x 7" swivel seat mount, with spring
- E-Coat finish
- Rotates 360°
- Use with any KingPin™ post (Sold Separately)

ORDER NO. 161-52010 B

Mfr. No. 1615201-EC

STANDARD FIXED HEIGHT POSTS

- Hefty 1-3/4 diameter post and reinforcement ring
- Anodized finish
- Use with any KingPin™ seat mount (Sold separatetly)
- Use with any standard KingPin™ base (Sold separately)

ORDER NO.	Mfr. No.	Post Length
161-04110-A	1610411-A	11"
161-04130-A	1610413-A	13"
161-04150-A	1610415-A	15"
161-04250-A	1610425-A	25"

B

For more information see: www.springfieldgrp.com

DECK BASES

ALUMINUM DECK BASE

Exceptional value! Strong yet light aluminum bases offer choice of scratch-proof textured finish or brushed satin.
BRUSHED SATIN FINISH
SIZE: 7" x 7"

B

ORDER NO. 162-00160
Mfr. No. 1620016

POWDER-COAT BASE

Exceptional value! Better corrosion resistance than stainless steel at less cost!
BLACK
SIZE: 7" x 7"
ORDER NO. 162-00180
Mfr. No. 1620018

STAINLESS STEEL DECK BASES

B

(A)

No. 1620001

(B)

No. 1620003

(C)

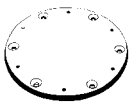
No. 1620004

SIZE	Mfr. No.	ORDER NO.
(A) 7'' x 7'' BASE	1620001	**162-00010**
(B) 7'' x 7'' BASE OFFSET SOCKET	1620003	**162-00030**
(C) 6'' x 8'' BASE	1620004	**162-00040**

MOUNTING PLATES

DECK RING

This above-deck ring strengthens the mounting of 9'' dia. pedestal bases. Quality cast.
ORDER NO. 158-00070



PEDESTAL MOUNTING PLATE

One-piece mounting plate bolts flush to deck. Ideal for situations where under deck access is restricted. Works on 9'' bases. Anodized aluminum.
ORDER NO. 158-00060

SPLIT UNDER-DECK RING (9")

Easy-to-install ring provides solid below-deck mounting support for 8'' to 9'' pedestal bases. Two-piece ring requires 4-1/2'' hole in the deck. Cast aluminum. Recommended for taller pedestals that are used in rough water application.

ORDER NO. 158-00040

SEAT SWIVEL

B

- 360° ball bearing seat swivel.
- E-coated for rust and corrosion resistance.
- 6-7/8'' square; 4-hole pattern

ORDER NO.	Mfr. No.
110-00070	1100007

REMOVABLE 7" X 7" SEAT BRACKET

B

- E-coated for rust and corrosion resistance.

ORDER NO.	Mfr. No.
110-00150	1100015

REMOVABLE 7" X 7" SEAT BRACKET WITH SWIVEL

B

- Non-locking seat swivel, rotates 360°
- E-coated for rust and corrosion resistance.

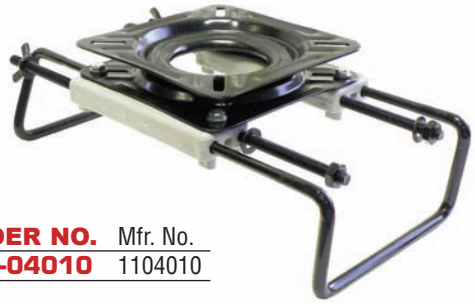
ORDER NO.	Mfr. No.
110-00115	1100115

JON BOAT SEAT CLAMP

B

- Fits a wider variety of boat seats
- Clamp adjusts from 8” to 20-1/2”
- Includes 7” x 7” swivel

ORDER NO.	Mfr. No.
110-04010	1104010



REMOVABLE PEDESTAL SYSTEMS

CLASSIFICATIONS

AD B

See Page 800 for Class descriptions

PLUG-IN™ SERIES 2-3/8"

B

PLUG-IN™ SERIES 2-3/8" 3-PIECE PEDESTAL SETS

This is a unique 2-position, 3-part system that allows full upright seating while fishing or remove the pedestal and insert the seat mount into the base for compact storage.

3-Piece set includes the following:

- Plug-In™ Hi-Lo swivel seat mount (Mfr. No. 1312700)
- Plug-In™ Hi-Lo fixed height post, anodized (see sizes below)
- Plug-In™ 9" diameter base, satin (CC # 130-07510)

ORDER NO.	Mfr. No.	Post Length
130-07090-1	1300709-HL1 Replaces 1300709-HL	9"
130-07120-1	1300712-HL1 Replaces 1300712-HL	12"
130-07150-1	1300715-HL1 Replaces 1300715-HL	15"

AD

POWER-RISE AIR-RIDE PEDESTAL

Post with seat mount

- High-strength aluminum
- Adjusts from 13-1/4" to 17-1/4"
- Trac-Lock locking Air-Ride swivel (Order No. 110-00311)
- Fits any 2-3/8" Plug-In™ base (Sold Separately)

ORDER NO.	Mfr. No.	Description
130-06010	1300601	Power-Rise Pedestal

B

(2-3/8" only)

MANUAL ADJUSTABLE PEDESTAL W/SEAT MOUNT

Adjustable for Control and Comfort

- Adjustable pedestal
- Can be locked in position to prevent rotating or unlocked to rotate freely
- Provides safe, stable seating
- Fits any 2-3/8" Plug-In™ base (Sold Separately)

ORDER NO.	Mfr No.	Adjustable Height
130-09010	1300901	14-1/4" – 21"
130-09020	1300902	22-1/4" – 28-3/4"

HI-LO POST

- High-strength aluminum post with anodized finish
- Use Plug-In™ Hi-Lo swivel seat mount (Sold Separately)
- Use with any 2-3/8" Plug-In™ Hi-Lo base (Sold Separately)

ORDER NO.	Mfr. No.	Post Length
130-04012	1304012-HL	12"
130-04015	1304015-HL	15"

B

2-3/8" PEDESTAL BASES

9" Round Hi-Lo Base

- 8" hole pattern
- High-strength aluminum
- Satin finish
- Below the deck mount (Requires a 3-3/4" hole in deck)
- Use with any 2-3/8" Hi-Lo post (Sold Separately)

ORDER NO.	Mfr. No.	Description
130-07510	1300751-1	Plug-In Base Only

CONTROL POST- ADJUSTABLE CUSTOM COMFORT SEATING SYSTEM & PRO FISHING STATION

- Use as a seat or a leaning post
- Upright for enhanced lower back support
- Angled to take the pressure off your legs
- Rotates with your changing casting angles
- Corrosion resistant power rise pedestal with up/down lever
- Height adjustment from 35.5" to 39"

ORDER NO.	Mfr. No.	Description
104-03500	1040350-SL	Spring-Lock™ Control Post, Charcoal Grey Seat
104-03510	1040351-SL	Spring-Lock™ Control Post, Mica Tan Seat
104-03520	1040352-PIC	Plug-In™ Control Post, Charcoal Grey Seat
104-03530	1040353-TLC	Taper-Lock™ Control Post, Charcoal Grey Seat
104-03530-1	1040353-TLM	Taper-Lock™ Control Post, Mica Tan Seat
104-03550	1040355-KPC	Kingpin™ Control Post, Charcoal Grey Seat
104-03550-1	1040355-KPM	Kingpin™ Control Post, Mica Tan Seat

B

104-03510 104-03520

PEDESTAL SETS

CLASSIFICATIONS

AD B

See Page 800 for Class descriptions

REGULAR MAINSTAY SET

Package includes:
- 2-3/8" post with 9" round base, anodized finish
- Air-powered height adjustment from 14" to 20"
- Includes locking Trac-Lock swivel

ORDER NO. 125-01001-L1 AD
Mfr. No. 1250100-L1

125-01001

LOW PROFILE MAINSTAY SET

Package includes:
- 2-3/8" post with 9" round base, anodized finish
- Adjusts from 12-5/8" to 15-5/8"
- Air-Powered Height Adjustment
- Includes locking Trac-Lock swivel

ORDER NO. 125-02001-L1 AD
Mfr. No. 1250200-L

125-02001

EXPLORER PEDESTAL SET

Package includes:
- 2-7/8" post, anodized finish
- 9" satin base
- Locking Trac-Lock swivel (Order No. 410-00211)

AD

125-05401 Locking

ORDER NO. Non-Locking	Mfr. No.	Post Length	ORDER NO. Locking	Mfr. No.	Post Length
			125-05351	1250535-L	12"
125-05400	1250540	18"	125-05401	1250540-L	18"

CLIPPER 12" FIXED HEIGHT PACKAGES

Package includes:
- 2-3/8" pedestal with 10" round base
- Polished fixed height post with satin base

Non-Locking AD
ORDER NO. 144-02200
Mfr. No. 1440220
Includes non-locking Trac-Lock™ swivel

Non-Locking AD
ORDER NO. 144-02200-L
Mfr. No. 1440220-L
Includes Locking Trac-Lock™ swivel

MANUAL ADJUSTABLE PEDESTALS

EXPLORER POSI-LOC ADJUSTABLE

- 2-3/8" adjustable post with 9" base
- Adjusts in 1" increments, 13-5/8" to 16-5/8"
- Anodized post and satin base
- Includes locking Trac-Lock swivel

ORDER NO. 125-30320 AD
Mfr. No. 1253032-L

SPRINGFIELD BELLE ADJUSTABLE

- Adjustable Post/10" Base/Seat mount
- Adjusts from 13" to 17" (Easy grip handles)
- Rotates 360°
- Fits standard boat seats
- Corrosion-resistant powder-coat finish

ORDER NO. 144-02480 B
Mfr. No. 1440248

TRAC-LOCK SERIES

SWIVELS

The Trac-Lock is one of the most popular swivels available. Functional, dependable and easy to use.

Used by itself or combined with any of the Trac-Lock slides, the Trac-Lock swivel is a great value.

- High-strength aluminum with powder coated finish
- 2-3/8" or 2-7/8" post mount (see chart) with bushing for snug fit
- Rotates 360°
- Available as locking or non-Locking (see chart)
- Adds 3/4" height to the pedestal

ORDER NO.	Mfr. No.	Post Dia.	Description/Class	
110-00310	1100031-1	2-3/8"	Non-Locking	AP
110-00311	1100031-L1	2-3/8"	Locking	AD
410-00210	1100021-1	2-7/8"	Non-Locking	AP
410-00211	1100021-L1	2-7/8"	Locking	AD

SLIDES

Trac-Lock slide units combine the Trac-Lock swivel and all its great features with the sturdy function and handsome details of the Trac-Lock slides to offer a wide selection of versatile, full-function slide/swivel units that are easy to use.

- Trac-Lock swivel
- Available as either locking or non-locking (see chart)
- Centrally located locking handles
- Large 7-1/4" x 13" seat mounting platform
- Travels 5-1/4" forward and backward on self-lubricating pads
- Adds 1-1/4" height to the pedestal

ORDER NO.	Mfr. No.	Post Dia.	Description/Class	
110-05310	1100531-1	2-3/8"	Non-Locking	AP
110-05311	1100531-L1	2-3/8"	Locking	AD
110-05210	1100521-1	2-7/8"	Non-Locking	AP
110-05211	1100521-L1	2-7/8"	Locking	AD

UNIVERSAL TRAC-LOCK SLIDE

- Large 7-1/4" x 13" x 2" high, 0-degree platform
- High-strength aluminum
- Travels 4-1/2" forward and backward

ORDER NO. 110-03000
Mfr. No. 1100300
AD

THREAD-LOCK™ SERIES

SOCKET COVER

- Plastic base socket cover keeps socket clear when not in use
- Fits any Thread-Lock™ base

ORDER NO. 210-00920
Mfr. No. 2100092

Top View

Bottom View

CLASSIFICATIONS

A Few Notes about ABYC and H-31…
The American Boat and Yacht Council has recommended seating standards for the marine industry. These standards help classify pedestal applications into two separate categories.
These are:

CLASS A A
Seat designed for occupancy while the boat is under way at any speed.

CLASS B B
Seat designed for occupancy only at boat speeds not exceeding five miles per hour.

Within each of these classifications all pedestals must pass a series of tests, (horizontal and vertical impacts, torque and static load test). There are also two types of Class A seats. Those are:

CLASS A PASSENGER AP
Seat mount must resist 30 foot pounds of torque.

CLASS A DRIVER AD
Seat Mount must incorporate a "mechanical interference lock" and resist 150 foot pounds of torque.

For more information see: www.springfieldgrp.com

REPLACEMENT PARTS

TRAC-LOCK™ SERVICE PARTS

Fig.	ORDER NO.	Description
For Trac-Lock™ III Not a split bushing		
A.	217-10080	2-3/8" dia. Swivel Bushing
B.	217-10090	2-7/8" dia. Swivel Bushing
For Trac-Lock II		
C.	217-10000	2-3/8" dia. Swivel Bushing
D.	217-10010	2-7/8" dia. Swivel Bushing

HANDLE ASSEMBLY REPLACEMENT PARTS

Fig.	ORDER NO.	Description
A.	210-00300	Power Pedestal Handle
B.	210-00340	2-3/8" Adjust. Handle Assy.
C.	210-00330	Seat Mt. Handle Assy.
Not shown	210-00950	Unilock handle w/pin

KINGPIN™ REPLACEMENT PARTS FOR SEAT MOUNT AND DECK BASES

Fig.	ORDER NO.	Description
A.	210-00550	Deck Base Bushing (Plastic)

SPRING-LOCK™ REPLACEMENT PARTS

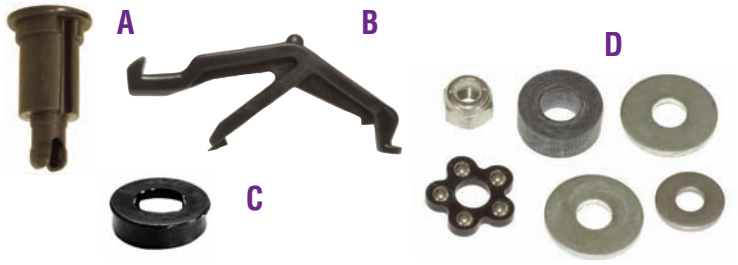


Fig.	ORDER NO.	Description
A.	210-00100	Seat Mount Bushing
B.	210-00110	Replacement Locking Latch
C.	210-00120	End Cap
D.	210-00310	Power Pedestal Bearing Repair Kit

TAPER-LOCK™ REPLACEMENT PARTS

Fig.	ORDER NO.	Description
A.	217-10030	Seat Swivel Bushing
B.	217-10040	Post Bushing (Not shown)
C.	210-00320	KingPin™ Adapter
D.	217-10320	2-3/8" Hi-Lo Bushing
E.	210-00310	Power Pedestal Bearing Repair Kit

For more information see: www.springfieldgrp.com

102-19000
Seat Mount

SNAP-LOCK™ 1.77" PRODUCTS

Locked in Quality.

For high performance seating, all it takes is Swivl-Eze Snap-Lock pedestal systems.

• All Snap-Lock components "Snap" together for safety • Sturdy bright anodized Aluminum posts
• E-Coated seat mounts • For quality, reliability and ease-of-use, it's a lock.

NOT Recommended to interchange with other manufacturers' products

SEAT MOUNT

ORDER NO.	Mfr. No.	ABYC Code **	Installed Height	Description
102-19000	SP-19000	AN **	2"	Seat Mount, 3º Tilt, Black E-Coat Steel

102-67904
Base Plate

BASE PLATE

ORDER NO.	Mfr. No.	ABYC Code **	Req. Dia. Mount Hole	Description
102-67904	SP-67904	AO **	2.5"	Base Plate, 9" Round, Aluminum

Fixed Height Post

FIXED HEIGHT POSTS

ORDER NO. Pin Type	Mfr. No. Pin Type	ABYC Code **	Description
102-29130	SP-29130	B **	13" Clear Anodized Post

NOTE: For Total Height, add installed height measurement of seat mounts to post height. Height is measured from the boat deck.

DEPTH REQUIRED BELOW DECK SURFACE: 3.5"

** ABYC H31 CODES

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AN - Type A: Non-Operator (Not to be used at the helm / driver position)
B - Type B: (Not to be used at the helm / driver position. For speeds not to exceed 5 mph)

See Page 781 for Detailed Descriptions

attwood

SWIVL-EZE®

** ABYC H31 CODES
See Page 781 for Detailed Descriptions

LOCK'N-PIN™ 3/4" PIN PRODUCTS

The #1 Supplier Of 3/4" Pin Products

- The 3/4" system gives you outstanding economic performance
- The design is proven by decades of experience
- Posts are available as fixed, manually adjustable or power adjustable
- Seat mounts, posts and bases are available in steel, aluminum or stainless steel

The Swivl-Eze Difference

- The patented Lock-N-Pin system leads the industry in safety
- Lock'N-Pin prevents unintentional detachment for seat mounts, posts and bases
- Lock'N-Pin products exceed ABYC Standard H31.6.1

Not recommended to interchange with other manufacturers' products

Retail Packaging

109-97749

PEDESTAL PACKAGES

Includes Brushed Aluminum Post, Black E-Coated Seat Mount with Spring and Base Plate

ORDER NO.	Mfr.No.	Description	ABYC Code**	Post	Seat Mount	Base Plate
109-97749	97749-7	Brushed Aluminum Finish Kit, 11" Post 7" x 7" Aluminum Base Plate, Non-Threaded	B**	2114	1002	67749

SWIVL-EZE 075 3/4" PEDESTAL KITS

Includes Base Plate 7" x 7", Seat Mount 5-1/4" x 5-1/4" - On Center Add 3" to post height to get total height, measured from deck to seat

Attwood's 3/4" pin kit is corrosion resistant, features a 360° swivel, a shock absorbing spring, and a removable pin post Lock N' Pin technology features an all steel pin, increasing pedestal strength and durability.

ORDER NO.	Mfr.No.	Description	ABYC Code**
109-97750	97750-7	13" Brushed Aluminum Post	B**

109-97750 Pedestal Kit

BASE PLATES - Zinc Plated Steel

ORDER NO.	Mfr.No.	Description	ABYC Code**	Required Diameter
102-67729	67729	7" x 7" Base Plate, Non-Threaded,Acetal Bushing	B**	2.75"
102-67729-1	67729-T	7" x 7" Base Plate, Threaded,Acetal Bushing	B**	2.75"

102-67729 Base Plate

BASE PLATES - Stainless Steel w/ Steel Lip Tube

ORDER NO.	Mfr.No.	Description	ABYC Code **	Required Diameter
106-67739	SP-67739	7" x 7" Base Plate, Non-Threaded,Acetal Bushing	B**	2.75"

106-67739 Base Plate

SEAT MOUNT - Black E-Coated

ORDER NO.	Mfr.No.	Description	ABYC Code **	Install Height
102-10020	SP-1002	Seat Mount, 3º Tilt, with Spring	B**	2"

102-10020 Seat Mount

FIXED HEIGHT POSTS - Brushed Aluminum

ORDER NO. Non-Threaded	Mfr.No.	ORDER NO. Threaded	Mfr.No.	ABYC Code **	Height/Diameter
102-21140	SP-2114	102-21141	SP-2114-T	B**	11" H / 1.50" Dia.
102-21340	SP-2134	102-21341	SP-2134-T	B**	13" H / 1.50" Dia.

Fixed Height Post, Threaded

Pro Post Adjustable Height, Pin Type

ADJUSTABLE HEIGHT PRO POSTS - MANUAL - Brushed Aluminum

ORDER NO. Non-Threaded	Mfr.No.	ORDER NO. Threaded	Mfr.No.	ABYC Code**	Height/Diameter
102-22440	SP-2244-ADJ	102-22441	SP-2244-ADJ-T	B**	25" - 31" H / 1.50" Dia.

ADJUSTABLE HEIGHT PRO POSTS - POWER PEDESTALS W/ INTEGRAL SEAT MOUNT - Brushed Aluminum

ORDER NO.	Mfr.No. Non-Threaded	ABYC Code **	Height/Diameter
103-32040	SP-3204	B**	24" - 30" H / 1.77" Dia.

103-32040

NOTE: For Total Height, add installed height measurement of seat mounts to post height. Height is measured from the boat deck.

DEPTH REQUIRED BELOW DECK SURFACE:

Required Diameter Mounting Hole = 2.75" *** Threaded Base - 4.0" - Non-Threaded Base = 2.75"

LAKESPORT 238 SERIES 2-3/8" SEAT PRODUCTS

The Swivl-Eze Difference

- These sturdy 2-3/8" diameter bell pedestals have all the strength and durability you need for years of family fishing enjoyment
- Hard anodized aluminum base pedestal tubes
- Bead blasted finish pounds the aluminum surface and closes up porosity
- All LakeSport™ 238 Series hardware is engineered to exceed ABYC standard

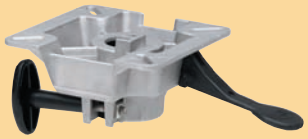
Type A/Operator Models lead the industry with these features:

- Ergonomic positive-locking handle with stainless steel components

LAKESPORT 2-3/8" SEAT MOUNTS WITHOUT SLIDER

ORDER NO.	Mfr. No.	ABYC Code**	Installed Height	Description
818-44000-LS	818440	AN**	5/8"	Seat Mount, 3° Tilt, Alum., w/ Friction Control
818-44100-LS	818441-3	AO**	5/8"	Seat Mount, 3° Tilt, Alum., w/ Friction Control

Seat Mount #818440



Seat Mount #818441

LAKESPORT 2-3/8" FIXED HEIGHT EXTENSION POSTS

Height Measured from Deck to Top of Seat Mount

ORDER NO.	Mfr. No.	ABYC Code**	Description
122-38611-LS	238611L1	AN**	11" Height, Anodized Finish
122-38613-LS	238613L1	AN**	13" Height, Anodized Finish
102-18571	912827	-	Replacement Lock Lever for 238 Series

Fixed Height Extension Posts

Replacement Lock Lever #912827

LAKESPORT 2-3/8" HYDRAULIC POWERED SEAT PEDESTALS W/ SEAT MOUNT

Height Measured from Deck to Top of Seat Mount

ORDER NO.	Mfr. No.	ABYC Code**	Description
122-38813-LS	238813LSM1	AO**	13" - 16" Adjustable Height, Anodized Finish
122-38833-LS	238833LSM1	AO**	25" - 32" Adjustable Height, Anodized Finish

Hydraulic Power Pedestals

LAKESPORT 2-3/8" FIXED HEIGHT BELL PEDESTALS W/ SEAT MOUNT

Height Measured from Deck to Top of Seat Mount

ORDER NO.	Mfr. No.	ABYC Code**	Description
122-38913-LS	238913LSM1	AN**	13" Height

LAKESPORT 2-3/8" ADJUSTABLE HEIGHT BELL PEDESTAL W/ SEAT MOUNT, MANUAL

Height Measured from Deck to Top of Seat Mount

ORDER NO.	Mfr. No.	ABYC Code**	Description
122-38540-LS	2385400	AN**	14" to 20" Adjustment

Adjustable Height Bell Pedestal #2385400

**** ABYC H31 CODES**

AO - Type A: Operator (Used at the helm / driver position)
AN - Type A: Non-Operator (Not to be used at the helm / driver position)
B - Type B: (Not to be used at the helm / driver position. For speeds not to exceed 5 mph)

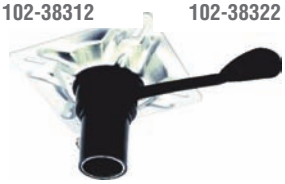
See Page 781 for Detailed Descriptions

238 SERIES PRODUCTS

Corrosion Resistant • Smooth Movement Without Wobble• Design Simplicity and Style

- Tubes are hard-anodized aluminum • Springs are stainless steel
- Bases are bead-blasted and clear-coated• E-Coated seat mounts
- For quality, reliability and ease-of-use, it's a lock.

102-38312 102-38322



Seat Mount w/o Slider 102-38141

Seat Mount w/ Slider 202-38142-7

Seat Mount w/ Slider 202-38162-4

NOT Recommended to interchange with other manufacturers' products

238-SERIES SOCKET BASE

ORDER NO.	Mfr. No.	ABYC Code**	Req. Dia. Mounting Hole	Description
102-38312	238312-1	AO**	3"	Aluminum, 9" Round
102-38322	238322-1	AO**	3"	Aluminum, 9" D-Shape
102-38333	238333-1	AO**	3"	Stainless Steel, Powder Coated, 7" x 7", Square,Centered Hole

238 SERIES SEAT MOUNT WITHOUT SLIDER

ORDER NO.	Mfr. No.	ABYC Code**	Description	Degree of Tilt
102-38141	238141-1	AO**	Seat Mount, 2-3/8" Stainless Steel	3º, Left Handle
202-38142-7	238142-7	AO**	Seat Mount, 2-3/8" Stainless Steel	3º, Right Handle
102-38152	238152-7	AO**	Seat Mount, 2-3/8" Plated Steel	3º, Right Handle
102-38153	238153-7	AO**	Seat Mount, 2-3/8" Plated Steel	3º, Forward Handle

238 SERIES SEAT MOUNT WITH ALUMINUM SLIDER

ORDER NO.	Mfr. No.	ABYC Code**	Description	Degree of Tilt
202-38162-4	238162-4	AO**	Seat Mount, Plated Steel with Slider	3º, Right Handle

238 SERIES EXTENSION POSTS

Fixed Height Extension Post

Adjustable Height Power Pedestal

FIXED HEIGHT EXTENSION POST* (Height measured from deck to top of seat mount)

ORDER NO.	Mfr. No.	ABYC Code**	Fixed Height Extension Post*
102-38608	238608-1	AO**	8" Height
102-38609	238609-1	AO**	9" Height
102-38610	238610-1	AO**	10" Height
102-38611	238611-1	AO**	11" Height
102-38612	238612-1	AO**	12" Height
102-38613	238613-1	AO**	13" Height
102-38614	238614-1	AO**	14" Height
102-38615	238615-1	AO**	15" Height
102-38625	238625-1	AO**	25" Height
102-38630	238630-1	B**	30" Height

** ABYC H31 CODES

AO - Type A: Operator (Used at the helm / driver position)
AN - Type A: Non-Operator (Not to be used at the helm / driver position)
B - Type B: (Not to be used at helm / driver position)

See Page 781 for Detailed Descriptions

ADJUSTABLE HEIGHT POWER PEDESTAL* (Height measured from deck to top of seat mount)

ORDER NO.	Mfr. No.	ABYC Code**	Adjustable Height Power Pedestal *
102-38512	238512-4	AO**	13" - 16-1/2"
102-38522	238522-4	AO**	19-1/2" - 23"

Replacement Lock Lever #912827

Height is measured from deck to top of seat mount

REPLACEMENT PARTS

102-18571	912827	Replacement Lock Lever for 238 Series

SWIVL-EZE®

Pedestal Kit 23811-7

238 SERIES PEDESTAL KITS

ORDER NO.	Mfr. No.	ABYC Code **	Kit Contains
102-23809	23809-7	AO**	9" Post, 9" Round Base, Black powder Coat Seat Mount - Satin Finish
102-23811-7	23811-7	AO**	11" Post, 9" Round Base, Black powder Coat Seat Mount - Satin Finish
102-23813-7	23813-7	AO**	13" Post, 9" Round Base, Black powder Coat Seat Mount - Satin Finish
102-23815	23815-7	AO**	15" Post, 9" Round Base, Black powder Coat Seat Mount - Satin Finish

For more information see: www.attwoodmarine.com

278 PRO SERIES
STRONG • STABLE • SMOOTH

Unmatched Strength
- Heavy-duty casting easily supports popular oversized helm seats

Supreme Stability
- A rigid mount and wider seat interface create ultimate pedestal robustness

Extra Smooth
- Improved slider motion facilitates easy fore and aft movement

5 Year Warranty

278 PRO SYSTEM SEAT MOUNTS

ORDER NO.	Mfr. No.	ABYC Code**	Description
102-78031M	278AO3PM-1	AO **	Seat Mount, 3º

Seat Mount

278 PRO SYSTEM SEAT MOUNTS W/ SLIDER

ORDER NO.	Mfr. No.	ABYC Code**	Slider Handle	Description
102-78031G	278AO3PGL-1	AO **	Long	ProGlide Slider, 3º

Seat Mount with Slider

278 PRO SYSTEM FIXED HEIGHT PEDESTAL

ORDER NO.	Mfr. No.	ABYC Code**	Base Height	Base Finish
102-78080	278AOGY080-1	AO **	8"	Grey

Fixed Height Pedestal

Dimensions of 278 Pro Series
Note: 278 Pro components are not compatible with other seating systems.

NOTE:
For Total Height, add installed height measurement of seat mounts to post height. Height is measured from the boat deck.

**** ABYC H31 CODES**

AO - Type A: Operator (Used at the helm / driver position)
AN - Type A: Non-Operator (Not to be used at the helm / driver position)
B - Type B: (Not to be used at the helm / driver position. For speeds not to exceed 5 mph)

See Page 781 for Detailed Descriptions

For more information see:
www.attwoodmarine.com

2.875" FIXED & ADJUSTABLE HEIGHT SEAT BASES

COMPLETE SYSTEM - SMOOTH SERIES

FIXED HEIGHT

- Mounts any seat securely
- 4 prong spider swivels 360˚ and locks positively

Specifications:
2-7/8" (7 cm) diameter smooth stanchion tube,
9.25" (23 cm) diameter base plate

ORDER NO.	Mfr. No.	Description
459-75031	75031	9" Polished
459-75030	75030	12" Polished
459-75032	75032	18" Polished
459-75033	75033	24" Polished

ADJUSTABLE HEIGHT

- Seat raises or lowers, locks at desired height
- 4 prong spider swivels 360˚ and locks positively
- Polished

Specifications:
2-7/8" (7 cm) diameter smooth stanchion tube,
9.25" (23 cm) diameter base plate

ORDER NO.	Mfr. No.	Description
459-75028	75028	18" - 24" Height, Polished

COMPLETE SYSTEM - RIBBED SERIES

ADJUSTABLE HEIGHT STANDARD FRICTION LOCK

- Seat raises or lowers, locks at desired height
- 2-7/8" (7cm) diameter stanchion tube, 9" (23cm) diameter base plate
- Anodized protective finish helps prevent saltwater corrosion and weathering.
- 2-7/8" (7cm) diameter ribbed stanchion tube, 9.25" (23cm) diameter 6 hole base plate

ORDER NO.	Mfr. No.	Adjustable Height
459-75535	75535	12" - 17" (30 - 43cm), Anodized Tube

BLUE WATER ADJUSTABLE HEIGHT SEAT BASE
- Positive Pin Type Lock

- Pin secures base at specific height in 1" increments
- Stainless steel lock pin locates securing hole easily
- Positive lock spider, rotates 360˚. Fluted bearing cup fits onto matching ribbed stanchion profile
- Wobble free design

ORDER NO.	Description
459-75435	12" - 17" (31 - 43cm)

2.875" PEDESTAL DIAMETER
SMOOTH STANCHION SERIES SEAT HARDWARE

GARELICK EEz-In

MILLENIUM SERIES

SEAT SLIDE SYSTEM
Positive Lock Slider & Spider Combination Left Hand Lever, Silver Powder Coat Finish
- Low profile design allows 360° of rotation and 6" of smooth, wobble-free fore and aft travel
- Heavy duty anodized aluminum slide plate has standard 5"x12" hole pattern to accommodate standard seat mounting holes
- Positive Lock Spider – rotates 360°, internal cup engages in 10° increments for positive stop lock (Secondary twist control offers variable drag adj. and can be tightened to lock in place)
- Internal Delrin cup provides smooth, gall-free operation.
- Meets ABYC-H31, Type A Standards & Garelick performance standards
- Silver powder coated finish
- Includes retaining hardware (99302)

SLIDE: *High tensile aluminum profile extrusion 13.75" x 8" (35cm x 20cm) plate, mounting hole pattern 5" x 12" (13cm x 30cm), Fore and Aft travel 6" (15cm).*
SWIVEL: *High tensile aluminum 2-7/8" (7cm) diameter, plastic internal cup. All stainless hardware.*

ORDER NO. 459-22000 Mfr. No. 22000

SWIVEL SEAT MOUNT TOP
360° Positive Lock Swivel Spider Mount Silver Powder Coat Finish
- Low profile design allows 360° of rotation
- Heavy duty anodized aluminum slide plate has standard 5"x12" hole pattern to accommodate standard seat mounting holes
- 360° rotation is regulated by dual locking devices - lift the positive lock lever to rotate. Drop the lever to lock in place in 10° increments. Secondary twist control offers variable drag adjustment and can be tightened down to lock in place.
- Internal Delrin Bearing Cup provides smooth, gaul-free operation
- Silver powder coated finish
- Meets ABYC-H31, Type A Standards & Garelick performance standards

ORDER NO. 459-99036 Mfr. No. 99036

459-22000

STANDARD SERIES

STANDARD SERIES – SEAT SLIDE AND SWIVEL
ORDER NO. 459-75083 Mfr. No. 75083 *See Pages 809 & 810*

SWIVEL MOUNT TOP
360° Positive Lock Swivel Spider Mount Anodized Aluminum Finish
- 4 prong spider swivels 360° and locks positively
- Fits all Garelick 2-7/8" (7cm) diameter stanchion pedestal seat bases
- High tensile aluminum and all stainless hardware
- Anodized aluminum finish

ORDER NO. 459-99023 Mfr. No. 99023

FIXED HEIGHT PEDESTAL
- Compatible with Garelick hardware
- Provides solid base of support for a variety of seat hardware
- Accepts Garelick fore and aft seat slides and 360° swivel spider combinations
- 2-7/8" (7cm) diameter smooth stanchion tube, 9.25" (23cm) diameter 6 hole base plate

Specifications:
Accepts Seat Slides: 459-22000, 459-75080, 459-75081, 459-75083
Accepts Swivels: 459-99023, 459-99036

PEDESTAL OPTIONS
ADJUSTABLE HEIGHT STANDARD FRICTION LOCK
- Seat raises or lowers, locks at desired height
- 2-7/8" (7cm) diameter stanchion tube, 9" (23cm) diameter base plate
- Anodized protective finish helps prevent saltwater corrosion and weathering

ORDER NO.	Mfr. No.	Adjustable Height
459-75436	75436	12" - 16" (30 - 41 cm)
459-75437	75437	18" - 23" (46 - 58 cm)

ORDER NO.	Mfr. No.	Height
459-75431	75431	9" (23 cm)
459-75430	75430	12" (30 cm)
459-75415	75415	15" (38 cm)
459-75432	75432	18" (46 cm)
459-75433	75433	24" (61 cm)
459-75434	75434	30" (76 cm)

LOW PROFILE PEDESTAL
- One piece casting for mounting seats as low as possible (4.75" Overall Height)
- Compatible with Garelick Hardware
- Provides solid base of support for a variety of seat hardware
- 2-7/8" (7cm) diameter smooth stanchion tube, 9.25" (23cm) diameter 6 hole base plate

Specifications:
Accepts Seat Slides: 459-22000, 459-75080, 459-75081, 459-75083
Accepts Swivels: 459-99023, 459-99036

ORDER NO. 459-75404 Mfr. No. 75404

For more information see: www.garelick.com

2.875" PEDESTAL DIAMETER
RIBBED STANCHION SERIES SEAT HARDWARE

MILLENIUM SERIES

SEAT SLIDE SYSTEM

Positive Lock Slider & Spider Combination Left Hand Lever

- Low profile design allows 360° of rotation and 6" of smooth, wobble-free fore and aft travel
- Heavy duty anodized aluminum slide plate has standard 5"x12" hole pattern to accommodate standard seat mounting holes
- Positive Lock Spider – rotates 360°, internal cup engages in 10° increments for positive stop lock (Secondary twist control offers variable drag adjustment and can be tightened to lock in place)
- Internal Delrin cup provides smooth, gaul-free operation.
- Available in either left- or right-hand operation
- Meets ABYC-H31, Type A Standards & Garelick performance standards
- Includes retaining hardware (99302)
- Silver powder coated finish

SLIDE: *13.75" x 8" (35x20cm) slide plate, 5" x 12" (13x30cm) mounting hole pattern , 6" (15cm) travel*
SWIVEL: *2-7/8" (7cm) diameter.*

ORDER NO. 459-21000 Mfr. No. 21000

SWIVEL SEAT MOUNT TOP

360° Positive Lock Swivel Spider Mount Silver Powder Coat Finish

- Low profile design allows 360° of rotation
- 360° rotation is regulated by dual locking devices - lift the positive lock lever to rotate. Drop the lever to lock in place in 10° increments. Secondary twist control offers variable drag adjustment and can be tightened down to lock in place.
- Internal Delrin Bearing Cup provides smooth, gaul-free operation
- Silver powder coated finish
- Meets ABYC-H31, Type A Standards & Garelick performance standards

ORDER NO. 459-99026 Mfr. No. 99026

STANDARD SERIES

SEAT SLIDE AND SWIVEL

- Provides smooth fore and aft travel and 360° seat rotation
- Adds comfort and stability for any swivel boat seat
- Mounts underneath seat and on top of pedestal stanchion
- Compatible with any 2-7/8" (7cm) diameter tube
- Convenient handles provide solid locking at any position
- Meets ABYC-H31, Type A Standards & Garelick performance standards
- Anodized aluminum for added protection from saltwater corrosion and weathering
- Includes retaining hardware (99300) to prevent inadvertent detachment

SPECIFICATIONS:
Adds 1 5/8" (4cm) to height. Hole Pattern: 5" x 12" (13x30cm). 7" (18cm) Fore and Aft Travel 8.5" W x 13" L (22cm x 33cm) Required on Roto molded Seat Models (Includes 459-75081 & 459-99023)

ORDER NO. 459-75083 Mfr. No. 75083

SWIVEL MOUNT TOP

360° Positive Lock Swivel Spider Mount Anodized Aluminum Finish

- 4 prong spider swivels 360° and locks positively
- Fits all Garelick 2-7/8" (7cm) diameter stanchion pedestal seat bases
- High tensile aluminum and all stainless hardware
- Anodized aluminum finish

ORDER NO. 459-99023 Mfr. No. 99023

PEDESTAL OPTIONS

ADJUSTABLE HEIGHT STANDARD FRICTION LOCK

- Seat raises or lowers, locks at desired height
- 2-7/8" (7cm) diameter stanchion tube, 9" (23cm) diameter base plate
- Anodized protective finish helps prevent saltwater corrosion and weathering.
- 2-7/8" (7cm) diameter ribbed stanchion tube, 9.25" (23cm) diameter 6 hole base plate

459-75535

ORDER NO.	Mfr. No.	Adjustable Height
459-75535	75535	12" - 17" (30 - 43cm)

FIXED OVERALL HEIGHT

- Compatible with Garelick hardware
- Provides solid base of support for a variety of seat hardware
- Accepts Garelick fore and aft seat slides and 360° swivel spider combinations
- Accepts Seat Slides : 459-22000, 459-75080, 459-75081, 459-75083
- Accepts Spiders : 459-99023,459-99036
- 2-7/8" (7cm) diameter smooth stanchion tube, 9.25" (23cm) diameter 6 hole base plate

459-75530

ORDER NO.	Mfr. No.	Overall Height
459-75531	75531	9" (23cm)
459-75530	75530	12" (30cm)
459-75515	75515	15" (38cm)
459-75532	75532	18" (46cm)
459-75533	75533	24" (61cm)

For more information see: www.garelick.com

MID-RANGE SEAT HARDWARE

MILLENIUM SERIES

SEAT SLIDE SYSTEM

Positive Lock Slider & Spider Combination Left Hand Lever, Silver Powder Coat Finish

- Low profile design allows 360° of rotation and 6" of smooth, wobble-free fore and aft travel
- Heavy duty anodized aluminum slide plate has standard 5"x12" hole pattern to accommodate standard seat mounting holes
- Positive Lock Spider – rotates 360°, internal cup engages in 10° increments for positive stop lock (Secondary twist control offers variable drag adj. and can be tightened to lock in place)
- Internal Delrin cup provides smooth, gaul-free operation.
- Available in either left- or right-hand operation
- Meets ABYC-H31, Type A Standards & Garelick performance standards
- Includes retaining hardware (99302)

SLIDE: *13.75" x 8" (35x20cm) slide plate, 5" x 12" (13x30cm) mounting hole pattern , 6" (15cm) travel*

SWIVEL: *2-7/8" (7cm) diameter.* **ORDER NO. 459-21000** Mfr. No. 21000

STANDARD SERIES

SEAT SLIDE AND SWIVEL

- Provides smooth fore and aft travel and 360° seat rotation
- Adds comfort and stability for any swivel boat seat
- Mounts underneath seat and on top of pedestal stanchion
- Compatible with any 2 7/8"(7cm) diameter tube
- Convenient handles provide solid locking at any position
- Meets ABYC-H31, Type A Standards & Garelick performance standards
- Anodized aluminum for added protection from saltwater corrosion and weathering
- Includes retaining hardware (99300) to prevent inadvertent detachment

SPECIFICATIONS:

Adds 1 5/8" (4cm) to height. Hole Pattern: 5" x 12" (13x30cm).
7" (18cm) Fore and Aft Travel 8.5" W x 13" L (22cm x 33cm)
Required on Roto molded Seat Models
(Includes 459-75081 & 459-99023)

ORDER NO. 459-75083 Mfr. No. 75083

SWIVEL MOUNT TOP

360° Positive Lock Swivel Spider Mount Anodized Aluminum Finish

- 4 prong spider swivels 360° and locks positively
- Fits all Garelick 2-7/8" (7cm) diameter stanchion pedestal seat bases
- High tensile aluminum and all stainless hardware
- Anodized aluminum finish

ORDER NO. 459-99023 Mfr. No. 99023

SWIVEL SEAT MOUNT TOP

360° Positive Lock Swivel Spider Mount Silver Powder Coat Finish

- Low profile design allows 360° of rotation
- Heavy duty anodized aluminum slide plate has standard 5"x12" hole pattern to accommodate standard seat mounting holes
- 360° rotation is regulated by dual locking devices - lift the positive lock lever to rotate. Drop the lever to lock in place in 10° increments. Secondary twist control offers variable drag adjustment and can be tightened down to lock in place.
- Internal Delrin Bearing Cup provides smooth, gaul-free operation
- Silver powder coated finish
- Meets ABYC-H31, Type A Standards & Garelick performance standards

ORDER NO. 459-99036 Mfr. No. 99036

459-75083

459-99023

459-99036

FIXED HEIGHT PEDESTAL OPTIONS

- 3.5" Diameter Stanchion for Mid-Size (30 Ft.+) Boats
- Proportionately to Scale for added Strength and Styling
- Design accommodates all Garelick EEz-In Seat Slide and Swivel Spiders
- Popular Heights Available – 3 Fixed Heights and 2 Adjustable Heights
- Meets ABYC, H-31 Type A Standards
- 3.5" (9 cm) diameter smooth stanchion tube, stanchion base casting 10.5" (27 cm) diameter 6 hole, 3/8" mounting holes.
- Polished and Anodized aluminum components

ORDER NO.	Mfr. No.	Height
459-78524	78524	24" (61 cm)

LOW PROFILE SEAT SLIDE

- Allows helm or boat seats to adjust fore and aft
- Slide mounts under seat in between seat and pedestal base
- Convenient handle provides solid locking at any position
- Compatible with most 360° spiders
- Wobble-Free Design/Operation
- Anodized aluminum with stainless steel hardware
- Spider swivel casting (459-99023,459- 99036) not included

ORDER NO.	Mfr. No.
459-75080	75080
459-75081	75081

SPECIFICATIONS:
75080: Standard Size for wood or plastic seats.
6" (15cm) Fore and Aft Travel 8.5" W x 8" L x 1.63" H
(22cm x 20cm x 4cm)
75081: Full Length Size for roto-molded seats.
7" (18cm) Fore and Aft Travel 8.5" W x 13" L x 1.63" H
(22cm x 33cm x 4cm)
For use where additional travel and any seat needing reinforcement underneath. Required on all Roto molded seats.

459-75080

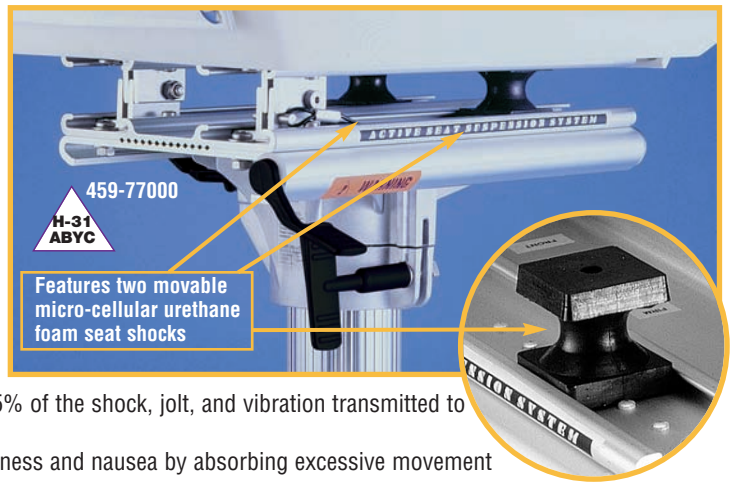
459-75081

ACTIVE SEAT SUSPENSION SYSTEM

Pedestal Base Mounting
77000 Active Seat Suspension System

Compatible with fluted tube stanchion seat bases

International Patents Pending



OFFERS BOATERS NEW LEVELS OF COMFORT AND SAFETY IN ALL WEATHER AND WATER CONDITIONS

- Active Seat Suspension System absorbs and minimizes up to 75% of the shock, jolt, and vibration transmitted to the passenger from the forces of roll, pitch, and yaw.
- Active Seat Suspension Systems reduces the feelings of seasickness and nausea by absorbing excessive movement with 1" of damped vertical travel.
- This system is CAD designed, FEA proven, and precision engineered and tooled.
- Components are saltwater spray tested and UV stable; to help endure harsh marine environments.
- Made from rugged, high-tensile, anodized aluminum with stainless steel hardware.

Pedestal Base Mounting Options:
- Standard bolt hole pattern allows for mounting on top of pedestal and beneath any individual seat
- Features heavy duty forward hinge system allowing shock absorption to occur in the vertical plane only, eliminates sway and side tipping
- U.S. PATENT #6,042,093
- Includes provisions for mounting seats with 6" center hole pattern.
- Easily mounts to almost any current seat.

Floor and Deck Mounting Options:
- Standard bolt hole pattern allows for easy mounting beneath seat to the deck, a box, or the floor of a boat
- Perfect for mounting beneath seat greater than 20" (51cm)
- Includes provisions for mounting seats with 6" center hole pattern

SPECIFICATIONS:
77000: Compact size and low profile design adds only 2" (5cm) of height.
The outline is 13" x 7" (33 x 18cm) with standard 5" x 12 1/8" (13 x 31cm) slotted mounting hole pattern

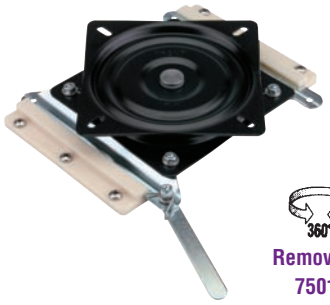
Adjustable Compression Feature easily fine tuned with NO tools

ORDER NO. 459-77000
Mfr. No. 77000

BOAT SEAT ACCESSORIES

UNIVERSAL BOAT SEAT SWIVELS

- Rotates 360° Fits most standard seat hole patterns
- Self-lubricated, non-corrosive poly swivel bearings
- Plated steel to resist corrosion



Removable
75019

ORDER NO.	Mfr. No.	Description
459-75016	75016:01	7" x 7" (18cm x 18cm) Standard Flat

ADJUSTABLE SEAT SWIVEL CLAMP

- Accepts standard boat seats, fits tank or bench tops
- Durable – All metal construction
- Quick mounting & dismounting, includes 360° swivel
- Vinyl covered clamps

75007 – 8" to 18" Adjustable

ORDER NO.	Mfr. No.
459-75007	75007

STAINLESS STEEL BOAT SEAT SWIVEL

- Heavy duty for offshore market
- 304 Stainless steel with stainless center rivet
- Rotates 360° – Fits most standard hole patterns
- Self lubricated non-corrosive poly swivel bearings
- 7" x 7" (18 x 18 cm)

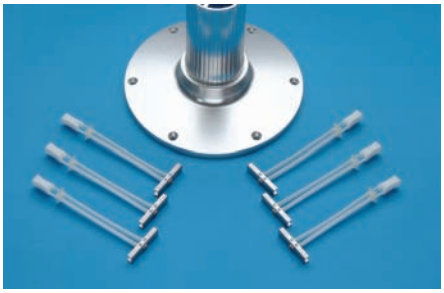
ORDER NO.	Mfr. No.
459-75020	75020

TOGGLER BRAND STAINLESS STEEL TOGGLE BOLT ANCHORS

For use with any Garelick or Bell Type Pedestal Seat Base

- Positively secures seats and table bases to decks or any accessory to cabin walls.
- Made of 304 Stainless Steel
- Saves time and labor – Provides added strength
- For deck or cabin thickness from 3/8" to 3-5/8" (1-9cm), requires ½" (13mm) holes

Pedestal Mounting Kit
1/4" - 20 size anchors only for mounting any model Pedestal Seat Base.
Poly bag and header card.



ORDER NO.	Mfr. No.	Description
459-21022	21022:01	1 pair
459-21026	21026:01	6 pack

For more information see: www.garelick.com

SEAT PEDESTAL BASE INSTALLATION KIT

Kit contains:
(6) 1/4-20 Toggle Bar Bolts
(6) 1/4-20 x 2 Phillips Machine Oval Screw

ORDER NO.	Mfr. No.
970-09700	970097

BOAT SEAT REPLACEMENT BOLT KIT

Qty of 4

ORDER NO.	Mfr. No.
756-76000	BP-760

For more information see: www.handimanmarine.com

WISE MARINE SEATING

WISE HARDWARE FEATURES A 3 YEAR WARRANTY

WD10 BALL BEARING 6" SWIVEL

- Black, powder coated steel
- Swivels 360°
- 5-1/4" hole pattern fits most seats

ORDER NO.	Mfr. No.	Description
870-00010	WD10	6" Swivel Only

QUICK DISCONNECT SEAT MOUNTS

- Durable molded plastic
- Steel rail frame, stainless steel spring

ORDER NO.	Mfr. No.	Description
870-00016	WD16	Quick Disconnect Seat Mount for 7" Swivel
870-00017	WD17	Quick Disconnect Seat Mount for 6" Swivel

SURE MOUNT BRACKET KITS

- All aluminum

ORDER NO.	Mfr. No.	Description
870-00070	WD70	Sure Mount Bracket Kit 15" Rail Length
870-00073	WD73	Sure Mount Bracket Kit 33" Rail Length

WD14 BOAT SEAT CLAMP WITH SWIVEL

- Adjusts from 8" to 20 1/2"
- Mounts on all flat surfaces
- Steel and plastic construction
- Plastic coated grippers

ORDER NO.	Mfr. No.
870-00014	WD14

SEAT STAND with WD17

- Height with bracket: 14.25"

ORDER NO.	Mfr. No.
870-01174	8WD1174

BLACK STEEL PEDESTALS

- 3 Year Warranty
- 5-1/4" Hole Pattern
- Black Powder Coated Steel

ORDER NO.	Mfr. No.	Description
870-01251	WD1251	7" Pedestal
870-01250	WD1250	13" 7Pedestal

BOATERS DRY BOXES

WISE HARDWARE FEATURES A 3 YEAR WARRANTY

- Used worldwide for commercial and industrial applications
- Extra-thick co-polymer construction wall will not warp from sun, cold, or rough handling
- Unique MOLDED-IN retainers to stack boxes on top of one another
- Hand-laid lid gasket seals the inside from moisture to protect gear from damage
- Strong reinforced steel pin hinge system never fails
- Heavy-duty steel bar latch system with locking feature keeps gear safe and secure
- True square inner side walls allow gear to stack tight without shifting
- Beefy carrying handle stores within lid

5601 SMALL UTILITY DRY BOX

Outside: Width 15", Length 7.75", Depth 6.5", Height 14"
Inside: Width 12", Length 6", Depth 4.75"

ORDER NO.	Mfr. No.	Description
816-56010	5601	Boaters Dry Box, Small

5602 TALL UTILITY DRY BOX - TRAYS INCLUDED

Outside: Width 15", Length 7.75", Depth 11.5", Height 22"
Inside: Width 12", Length 6", Depth 9.75"

ORDER NO.	Mfr. No.	Description
816-56020	5602	Boaters Dry Box, Tall

5604 LARGE UTILITY DRY BOX - DIVIDER INCLUDED

Outside: Width 15", Length 8.5", Depth 9.5", Height 18"
Inside: Width 13", Length 7.75", Depth 7.5"

ORDER NO.	Mfr. No.	Description
816-56040	5604	Boaters Dry Box, Large

For more information see: www.wiseseats.com

TABLE PACKAGES

QUICK RELEASE TABLE PEDESTAL SYSTEM

Model No. 75640 Pedestal

- Patented, revolutionary table hardware system
- Quick release levers allow effortless take-down of table system for storage
- Simple to use, simple to install
- Low-Profile deck ring creates minimal interference when table is stowed
- No large centre hole in deck as is common with other table hardware systems
- Marine grade polymer components resist corrosion
- 2-1/4" ribbed Anodized aluminum stanchion is tapered at both ends
- 9-1/4" and 13" stanchion posts available for converting dinette into bunk use
- Individual components available if additional mounting locations are desired

ORDER NO. 459-75640
Mfr. No. 75640:01

ORDER NO.	Mfr. No.	Description
459-75650	75650:01	Includes complete system 75640 and 15" x 28"(38 x 71cm) rectangular white polymer table top and two recessed cup holders
459-75320	75320:01	Includes complete system 75640 and 18" x 30"(46cm x 76cm) oval, acrylic-coated ABS plastic table top with two recessed cup holders
459-75321	75321:01	Includes complete system 75640 and 16" x 32"(41cm x 81cm) rectangular, ABS plastic table top with four recessed cup holders
459-75640	75640:01	Complete system includes: deck ring, socket base, table mounting socket, 25.5" stanchion tube

For more information see: wwwgarelick.com

COMPLETE TABLE PACKAGES

… Add a Table to your Boat, Deck, or Patio with ease. No difficult hole to cut in the deck.

- Springfield is now offering the same high quality components in complete table packages
- Springfield table packages are made of components designed and manufactured to offer years of satisfactory service
- These table packages are available with round or oval table tops
- The tops are constructed of high quality injection molded plastic and designed for lasting strength and durability
- All packages are approximately 27" in height
- Table Pedestals - Base: 7" diameter, 5-3/4" hole pattern extends 2" below deck, 3-1/2" diameter hole in deck
- Table Pedestals - Uni-Lock Series Base: 7" diameter, 5-3/4" hole pattern extends 2" below deck, 3-1/2" diameter hole in deck hould this come out

ORDER NO.	Mfr. No.	Description
169-01020	1690102	Thread Lock, Surface Mount, **Round - 24" Diameter**
169-01060	1690106	Thread Lock, Surface Mount, **Oval - 18" x 30"**
169-01070	1690107	Thread Lock, Surface Mount, **Rectangle - 16" x 28"**
169-02020	1690202	Stowable Anodized, Recess Mount, **Round - 24" Diameter**
169-02060	1690206	Stowable Anodized, Recess Mount, **Oval - 18" x 30"**

For more information see: www.springfieldgrp.com

Thread Lock Post

Stowaway Anodized Post

STOWABLE PEDESTAL SYSTEM WITH TABLE TOP

- Provides salon areas and pontoon deck with removable dinette table
- Set includes table 30" (76cm) height, 2.25" (6cm) ribbed tube, surface mount and flush mount castings
- Anodized finish to resist saltwater corrosion

Specifications:
Complete Set Includes:
Teak oval table top, pedestal and castings
Table top: 18" x 30"
ORDER NO. 459-75449
Mfr. No. 75449

For more information see: www.garelick.com

REMOVABLE MARINE / RV TABLE

Detmar's marine and RV Removable Table System permits quick and easy setup in virtually any boat or RV camper. Octagonal (8-sided) shape molded from high impact plastic for durability and corrosion resistance to sun, salt water and solvents. The table requires no maintenance. Cleanup can be done with soap and water.
For easy installation and removal the table has a molded-in underside receptacle to fit 2" diameter table legs.

TABLE KIT

Contains # 121-10300 white octagonal table top, # 121-12200 table leg and # 121-12700 flush mount table receptacle.
ORDER NO. 121-10800
- Octagonal Table Kit

TABLE TOP

Octagonal - Measures 20" across and comes with four large molded-in recesses to accommodate insulated cup holders. Installed table height is 27".
Colour: White
ORDER NO. 121-10300
- Octagonal Table Top Only

TABLE LEG

Polished Stainless Steel Leg - 2" diameter tube measure 26" in length.
Made of corrosion resistant 304 stainless steel.
ORDER NO. 121-12200
- Table Leg - Stainless steel

Floor Receptacle

Table Receptacle

RECEPTACLES

FLOOR RECEPTACLES

Recessed Flush Mount - Molded of high-impact plastic, receptacle mounts flush to floor. Base measures 6-1/2" in diameter with a 1-5/8" recess. Table leg hole has molded-in plug eliminating need to cap hole when leg is not in place. Molded to accept # 10 x 1-1/4" oval head SM screws.
Fits 2" diameter legs
ORDER NO. 121-12700
- Receptacle - Flush Mount, Black

TABLE RECEPTACLE

Surface Mount - Molded of high-impact plastic this receptacle mounts flush to underside of table or to floor. Base measures 6-1/2" in diameter. Molded to accept # 10 x 1" pan head screws.
Fits 2" diameter legs
ORDER NO. 121-13100
- Surface Mount Table Receptacle, Black

For more information see: www.detmarcorp.com

COMPLETE TABLE PACKAGE

- Party platter table top
- 2-Piece 29" aluminum locking Thread-Lock™ post
- Anodized post
- Plastic table mount
- Aluminum 7" locking base
- Black plastic base

ORDER NO.	Mfr. No.
169-09010	1690901

For more information see: www.springfieldgrp.com

THREAD-LOCK™ SOCKET COVER

- Plastic base socket cover keeps socket clear when not in use
- Fits any Thread-Lock™ base

ORDER NO. 210-00920
Mfr. No. 2100092

Top View

Bottom View

GAS RISE YACHT TABLE BASE

The Latest in Innovative Engineering for Optimal Performance

- Provides adjustable height in salon/cabin areas.
- Self-standing, 19" Square base 3/8" thick, with 9" X 13" table top support 1/4" thick.
- Ultra smooth gas powered operation adjustable 20" to 29" height.
- Polished and anodized finish to resist saltwater corrosion.
- 40 Lb. Gas spring
- Patent Pending

ORDER NO. 459-75460 Mfr. No. 75460:01

Specifications: 3/8" thick anodized aluminum plate with 3.5" stanchion tube, twist lock T-handle

STOWABLE MARINE TABLE HARDWARE

TABLE PEDESTALS FOR LARGER BOATS: 2.875" POST & 9-1/4" DIA. BASE

459-75356
Surface Mount

459-75355
Flush Mount

- Provides salon areas and pontoon decks with removable dinette tables
- Engineered for marine use
- 3 piece, all-aluminum provides solid table base
- Fluted profile stanchion with protective anodized finish
- Quick stowage
- Tapered on both ends for snug/no wobble fit

459-75350

ORDER NO.	Mfr. No.	Description	Overall Height
459-75350*	75350	Flush Mount Base w/ Fluted Anodized Tube (3 PC Set)	30" (76 cm)
459-75351	75351	Surface Mount Base w/ Fluted Anodized Tube (3 PC Set)	30" (76 cm)
459-75355*	75355	Flush Mount Taper Socket Base Only	
459-75356	75356	Surface Mount Taper Socket Base Only	
459-75357**	75357	Fluted Taper Stanchion Post Only	31.5" (80 cm)
459-75358***	75358	Fluted Taper Stanchion Post Only	28.75" (73 cm)
459-75446	75446	Fluted Taper Stanchion Post Only	28" (71 cm)

**Flush mount bases require drilling into deck and extend 2.75" below deck*
***For use with # 459-75355 (75355) type bases ***For use with # 459-75356 (75356) type bases*

TABLE PEDESTALS FOR SMALLER BOATS: 2.25" POST & 7" DIA. BASE

459-75346
Surface Mount

459-75345
Flush Mount

- Provides salon areas and pontoon decks with removable dinette tables
- Engineered for marine use
- 3 piece, all-aluminum provides solid table base
- Fluted profile stanchion with protective anodized finish
- Quick stowage
- Tapered on both ends for snug/no wobble fit

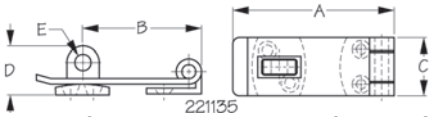
459-75340

ORDER NO.	Mfr. No.	Description	Overall Height
459-75340*	75340 *	Flush Mount Base w/ Fluted Anodized Tube (3 PC Set)	30" (76 cm)
459-75341	75341	Surface Mount Base w/ Fluted Anodized Tube (3 PC Set)	30" (76 cm)
459-75345*	75345 *	Flush Mount Taper Socket Base Only	
459-75346	75346	Surface Mount Taper Socket Base Only	
459-75347**	75347 **	Fluted Taper Stanchion Post Only (Flush Mount)	30" (76 cm)
459-75348***	75348 ***	Fluted Taper Stanchion Post Only (Surface Mount)	28.75" (73 cm)

**Flush mount bases require drilling into deck and extend 2.75" below deck*
***For use with # 459-75345 (75345) type bases ***For use with # 459-75346 (75346) type bases*

HEAVY DUTY SWIVEL HASP

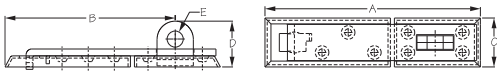
Stamped 304 Stainless



ORDER NO.	Mfr. No.	A	B	C	D	E	Style	FASTENER
422-21135 / ea.	221135-1	3-1/8"	2-5/16"	1-1/8"	15/16"	5/16"	Flush	#8 FH

HEAVY DUTY SLIDE HASP

Stamped 304 Stainless

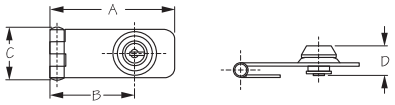


ORDER NO.	Mfr. No.	A	B	C	D	E	FASTENER
422-21140 / ea.	221140	7-1/2"	5-15/16"	1-11/16"	1-5/8"	9/16"	1/4" FH

LOCKING HASP

Stamped 304 Stainless

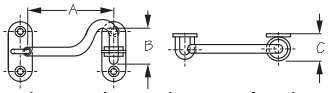
Every locking hasp comes with two matching keys. Random key availability only from hasp to hasp.



ORDER NO.	Mfr. No.	A	B	C	D	FASTENER
422-21150 / ea.	221150-1	3-1/8"	2-1/8"	1-1/4"	3/4"	#7 FH

DOOR HOOK

Machined AISI 304 Stainless

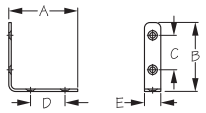


All stainless steel construction provides maximum strength and corrosion resistance. A unique plastic bushing in the eye prevents accidental unhooking due to vibration. In addition, the plastic bushing reduces most of the vibration and rattling that is common with other door hooks.

ORDER NO.	Mfr. No.	A	B	C	FASTENER
422-21202	221202-1	2-3/8"	1"	11/16"	#8 FH
422-21203	221203-1	3-1/4"	1"	11/16"	#8 FH

90 DEGREE ANGLE BRACKET

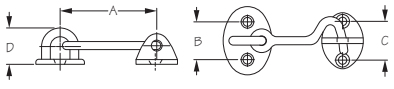
Stamped 304 Stainless



ORDER NO.	Mfr. No.	A	B	C	D	E	FASTENER
422-21310 (Pr.)	221310-1	2-3/8"	2-3/8"	1-3/16"	1-3/16"	9/16"	#8 FH

DOOR HOOK

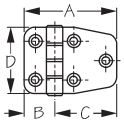
Chrome Plated Brass



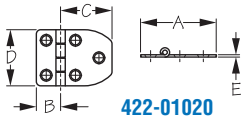
ORDER NO.	Mfr. No.	A	B	C	D	FASTENER
422-22112	222112-1	2"	13/16"	13/16"	3/4"	#6 FH
422-22113 / ea.	222113-1	2-3/4"	13/16"	13/16"	3/4"	#6 FH

SEA-DOG LINE QUALITY MARINE GEAR

SHORT SIDE DOOR HINGE
Stamped 304 Stainless



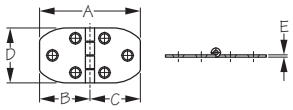
422-01510



422-01020

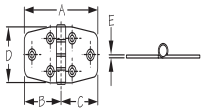
ORDER NO.	Mfr. No.	A	B	C	D	E	FASTENER
422-01510 (Pr.)	201510-1	2-1/8"	11/16"	1-7/16"	1-1/2"	1/16"	#8 FH
422-01020 (Pr.)	201020-1	2"	11/16"	1-5/16"	1-1/2"	1.5mm	#8 FH

DOOR HINGE
Stamped 304 Stainless



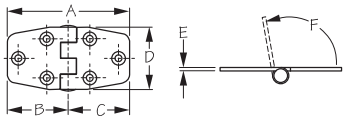
ORDER NO.	Mfr. No.	A	B	C	D	E	FASTENER
422-01030 (Pr.)	201030-1	2-3/4"	1-3/8"	1-3/8"	1-1/2"	1.5 mm	#8 FH

DOOR HINGE
Stamped 304 Stainless

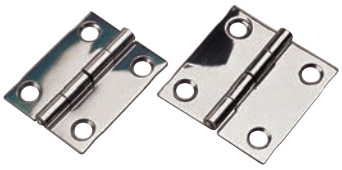


ORDER NO.	Mfr. No.	A	B	C	D	E	FASTENER
422-01530 (Pr.)	201530-1	2-7/8"	1-7/16"	1-7/16"	1-1/2"	1/16"	#8 FH

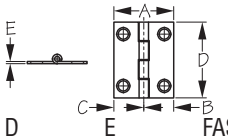
FLUSH DOOR HINGE
Stamped 304 Stainless



ORDER NO.	Mfr. No.	A	B	C	D	E	F	FASTENER
422-01535 (Pr.)	201535-1	2-7/8"	1-7/16"	1-7/16"	1-1/2"	1/16"	100°	#8 FH

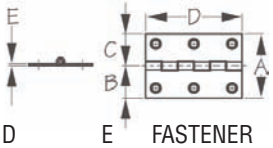


BUTT HINGE - SMALL
Stamped 304 Stainless

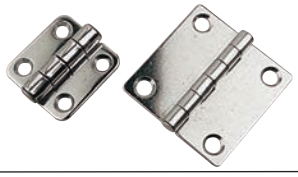


ORDER NO.	Mfr. No.	A	B	C	D	E	FASTENER
422-01070 (Pr.)	201070-1	1-1/4"	5/8"	5/8"	1-1/2"	1.2 mm	#8 FH
422-01072 (Pr.)	201072-1	2"	1"	1"	2'	1.5 mm	#8 FH

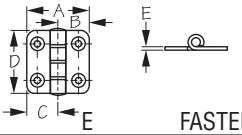
BUTT HINGE
Stamped 304 Stainless



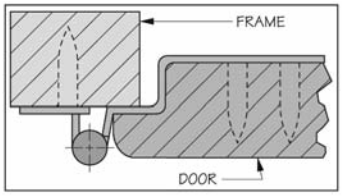
ORDER NO.	Mfr. No.	A	B	C	D	E	FASTENER
422-01080 (Pr.)	201080-1	2"	1"	1"	3"	1.5 mm	#8 FH



BUTT HINGE
Stamped 304 Stainless

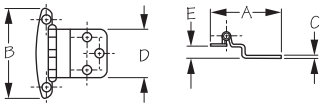


ORDER NO.	Mfr. No.	A	B	C	D	E	FASTENER
422-01580 (Pr.)	201580-1	1-3/8"	11/16"	11/16"	1-1/2"	1/16"	#8 FH
422-01582 (Pr.)	201582-1	2"	1"	1"	2"	1/16"	#8 FH



SEMI-CONCEALED HINGE
Stamped 304 Stainless

Model 201914 Semi-Concealed Hinge is designed to be mounted on the back surface of a door having a corresponding 3/8" offset routed into the edge of the door.

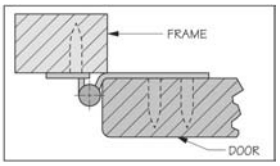


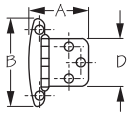
ORDER NO.	Mfr. No.	A	B	C	D	E	MATERIAL	FASTENER
422-01914 (Pr.)	201914-1	2-3/16"	2-3/4"	1/16"	1-1/2"	3/8"	Stainless	#6 FH

For more information see: www.sea-dog.com

FLUSH MOUNT CONCEALED HINGE

Stamped 304 Stainless



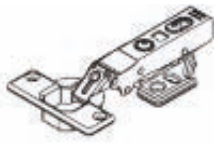


ORDER NO.	Mfr. No.	A	B	C	D	MATERIAL	FASTENER
422-01954 (Pr.)	201954-1	1-7/8"	2-3/4"	1/16"	1-1/2"	Stainless	#6 FH

NEW!

SOFT CLOSE CONCEALED CABINET HINGE

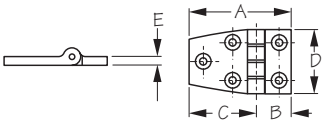
Stamped 304 Stainless



ORDER NO.	Mfr. No.	A	B	C	D	E	MATERIAL	FASTENER
422-01964 (Pr.)	201964-1	4-9/16"	2-1/16"	1-1/4"	1/2"	1-5/16"	Stainless	#8 FH

SHORT SIDE DOOR HINGE

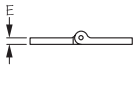
Injection Molded Fiberglass Nylon/Stainless Steel Pin

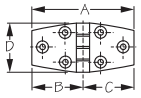


ORDER NO.	Mfr. No.	A	B	C	D	E	COLOUR	FASTENER
422-02510	202510-1	2-1/4"	3/4"	1-1/2"	1-3/8"	3/16"	Black	#8 FH

DOOR HINGE

Injection Molded Fiberglass Nylon/Stainless Steel Pin

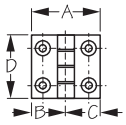


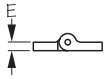


ORDER NO.	Mfr. No.	A	B	C	D	E	COLOUR	FASTENER
422-02530 (Pr.)	202530-1	3"	1-1/2"	1-1/2"	1-3/8"	3/16"	Black	#8 FH
422-02531 (Pr.)	202531-1	3"	1-1/2"	1-1/2"	1-3/8"	3/16"	White	#8 FH

BUTT HINGE

Injection Molded Fiberglass Nylon/Stainless Steel Pin

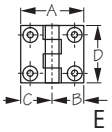




ORDER NO.	Mfr. No.	A	B	C	D	E	COLOUR	FASTENER
422-02580 (Pr.)	202580-1	1-1/2"	3/4"	3/4"	1-3/8"	3/16"	Black	#8 FH

BUTT HINGE

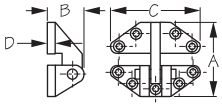
Investment Cast 316 Stainless



ORDER NO.	Mfr. No.	A	B	C	D	E	FASTENER
422-05142 (Pr.)	205142-1	1-15/16"	15/16"	15/16"	1-15/16"	3/16"	#10 FH

HATCH HINGE

Investment Cast 316 Stainless

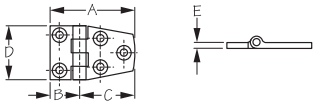


ORDER NO.	Mfr. No.	A	B	C	D	FASTENER
422-05280	205280-1	2-5/8"	1-1/4"	2-7/8"	1/4"	#10 FH

SEA-DOG LINE
QUALITY MARINE GEAR

SHORT SIDE DOOR HINGE

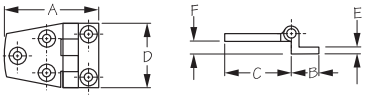
Investment Cast 316 Stainless



ORDER NO.	Mfr. No.	A	B	C	D	E	FASTENER
422-05310 (Pr.)	205310-1	2-3/8"	7/8"	1-1/2"	1-1/2"	3/16"	#10 FH

OFFSET HINGE

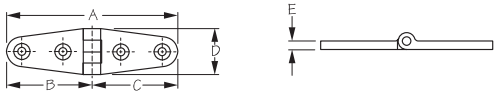
Investment Cast 316 Stainless



ORDER NO.	Mfr. No.	A	B	C	D	E	F	FASTENER
422-05350 (Pr.)	205350-1	2-1/8"	5/8"	1-1/2"	1-1/2"	3/16"	5/16"	#10 FH

STRAP HINGE

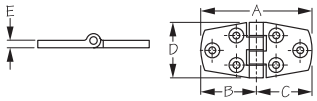
Investment Cast 316 Stainless



ORDER NO.	Mfr. No.	A	B	C	D	E	FASTENER
422-05390 / pr.	205390-1	4-1/8"	2-1/16"	2-1/16"	1"	3/16"	#10 FH
422-05400 / pr.	205400-1	5-7/8"	2-15/16"	2-15/16"	1-1/8"	3/16"	#10 FH

DOOR HINGE

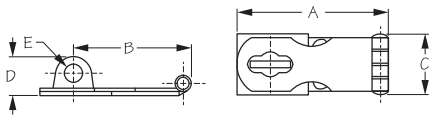
Investment Cast 316 Stainless



ORDER NO.	Mfr. No.	A	B	C	D	E	FASTENER
422-05410 / pr.	205410-1	3"	1-1/2"	1-1/2"	1-1/2"	3/16"	#10 FH
422-05420 / pr.	205420-1	4-1/8"	2-1/16"	2-1/16"	1-1/2"	3/16"	#10 FH

SAFETY HASP

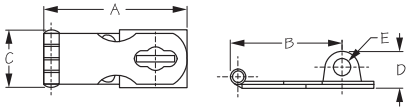
Stamped 304 Stainless



ORDER NO.	Mfr. No.	A	B	C	D	E	FASTENER
422-21120 / ea.	221120-1	2-11/16"	2-1/16"	1-1/16"	11/16"	5/16"	#5 FH

SWIVEL HASP

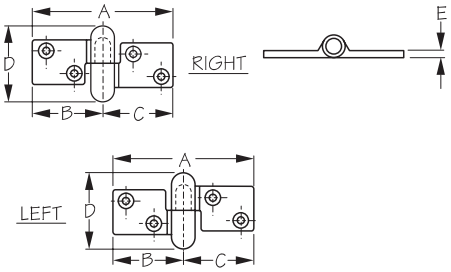
Stamped 304 Stainless



ORDER NO.	Mfr. No.	A	B	C	D	E	FASTENER
422-21130 / ea.	221130-1	2-11/16"	2-1/16"	1-1/16"	7/8"	5/16"	#7 FH

For more information see:
www.sea-dog.com

TAKE-APART HINGE
Forged Brass Chrome Plated

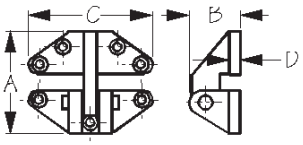


- A = 3-7/8"
- B = 1-15/16"
- C = 1-15/16"
- D = 2"
- E = 3/16"
- Fastener: # 10 FH

Left Side: Mfr. No. 204278-1
ORDER NO. 422-04278 (Pair)

Right Side: Mfr. No. 204279-1
ORDER NO. 422-04279 (Pair)

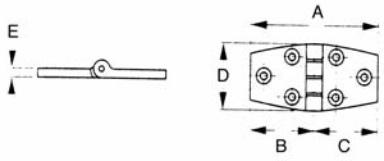
HATCH HINGE
Forged Brass Chrome Plated



- A = 2-1/2"
- B = 1-1/4"
- C = 3"
- D = 1/4"
- Fastener: # 10 FH

Mfr. No. 204280-1
ORDER NO. 422-04280 (Each)

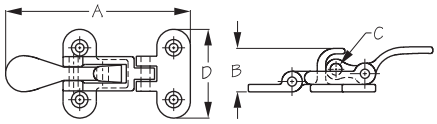
DOOR HINGE
Die Cast Chrome Zinc



- A = 2-7/8"
- B = 1-7/16"
- C = 1-7/16"
- D = 1-1/2"
- E = 3/16"
- Fastener: # 8 FH

Mfr. No. 206530-1
ORDER NO. 422-06530 (Pair)

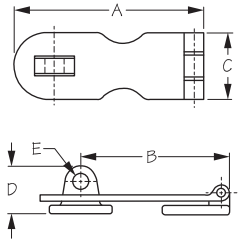
ANTI-RATTLE FASTENER
Sand Cast Chrome Plated Brass



- A = 4"
- B = 15/16"
- C = 1/4"
- D = 2"
- Fastener: # 10 FH

Mfr. No. 222110-1
ORDER NO. 422-22110 (Each)

SAFETY HASP
Sand Cast Chrome Plated Brass



- A = 3"
- B = 2-5/16"
- C = 1"
- D = 3/4"
- E = 3/8"
- Fastener: # 6 FH

Mfr. No. 222120-1
ORDER NO. 422-22120 (Each)

For more information see:
www.sea-dog.com

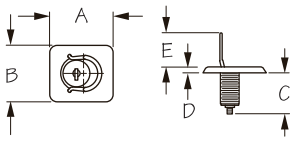
SEA-DOG LINE
QUALITY MARINE GEAR

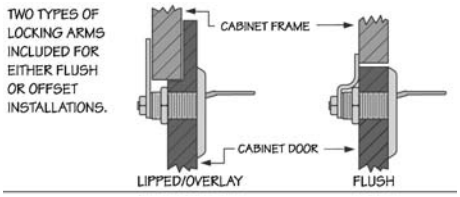
Every lift ring comes with two matching keys.
Random key availability only
from lift ring to lift ring.

SURFACE MOUNT LOCKING LIFT RING

Stamped 304 Stainless/Die Cast Zinc Lock

ORDER NO.	Mfr. No.	A	B	C	D	E
422-21831	221831-1	2-1/8"	1-15/16"	1-1/16"	3/16"	15/16"

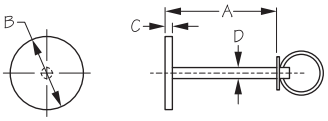




HATCH COVER PULL

Stamped 304 Stainless

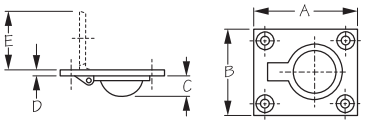
ORDER NO.	Mfr. No.	A	B	C	D
422-21840	221840-1	1-15/16"	1-1/4"	1/8"	3/16"



RING PULL

Die Cast Brass

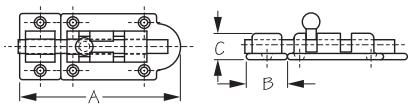
Finish: Chrome



ORDER NO.	Mfr. No.	A	B	C	D	E	FASTENER
422-22400 /ea.	222400-1	1-3/4"	1-1/2"	1/2"	1/8"	1-1/8"	#6 FH
422-22410 /ea.	222410-1	2-1/2"	2"	3/16"	1/8"	1-1/2"	#8 FH

BARREL BOLT

Sand Cast Brass Chrome Plated

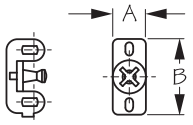


ORDER NO.	Mfr. No.	A	B	C	FASTENER
422-22522 /ea.	222522-1	2-7/8"	3/4"	1/2"	#5 FH

DOOR CATCH - Injection Molded Nylon

ORDER NO.	Mfr. No.	A	B	FASTENER
422-27135 (Set)	227135-1	1/2"	1-3/16"	#6 RH

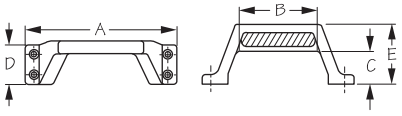
Set contains 4 each.



STEP HANDLE - Injection Molded Nylon

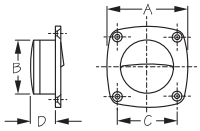
ORDER NO.	Mfr. No.	A	B	C	D	E	COLOUR	FASTENER
422-27260 / ea.	227260-1	6-3/8"	3-1/4"	1-3/8"	1-5/8"	2-1/2"	Black	1/4" RH

These step handles can be used as a lift handle on small boat transoms and since they are molded with a contoured handle grip, the flat, textured upper surface also allows the step handle to be used as a step.



FLUSH PULL - SMALL

Injection Molded Acetal

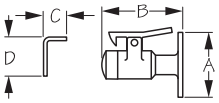


ORDER NO.	Mfr. No.	A	B	C	D	COLOUR	FASTENER
422-27310 / ea.	227310-1	2-3/16"	1-3/4"	1-5/8"	5/8"	Black"	#6 FH

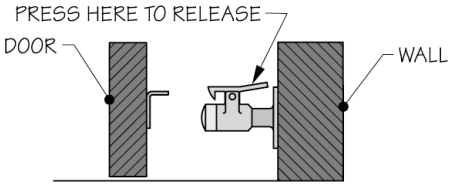
For more information see: www.sea-dog.com

DOOR STOP AND CATCH

Investment Cast 316 Stainless



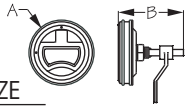
ORDER NO.	Mfr. No.	A	B	C	D	FASTENER
422-21710	221710-1	2"	2-1/2"	11/16"	1-3/16"	#6 FH



The Sea-Dog Stainless Door Stop holds the door securely against the rubber stop reducing rattles which are common with most door hooks. The spring loaded latch allows for quick and easy release.

ROUND HATCH HANDLE LATCH

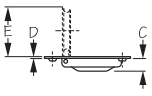
Investment Cast 316 Stainless



ORDER NO.	Mfr. No.	A	B	CUT OUT HOLE SIZE
422-21942 / ea..	221942-1	2-3/8"	3-3/4"	2"

SPRING LOADED FLUSH LIFT HANDLE

Stamped 304 Stainless

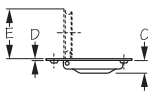


ORDER NO.	Mfr. No.	A	B	C	D	E	FASTENER
422-21810	221810-1	2-9/16"	2-3/16"	7/16"	1/32"	1-1/2"	#8 FH
422-21815	221815-1	1-3/4"	1-1/2"	7/16"	1/32"	1"	#6 FH

The spring loaded handle prevents rattling and also stays flush against the base, even in vertical applications.

SPRING LOADED FLUSH HATCH HANDLE

Stamped 304 Stainless

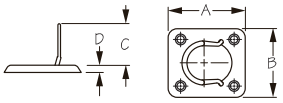


ORDER NO.	Mfr. No.	A	B	C	D	E	FASTENER
422-21820	221820-1	3"	2-1/4"	5/16"	1/32"	1-5/16"	#8 FH

The spring loaded handle prevents rattling and also stays flush against the base, even in vertical applications.

SURFACE MOUNT LIFT RING

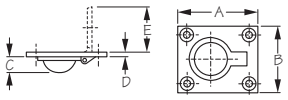
Stamped 304 Stainless



ORDER NO.	Mfr. No.	A	B	C	D
422-21830 / ea.	221830-1	2-1/8"	1-15/16"	15/16"	3/16"

CAST RING PULL

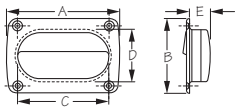
Investment Cast 316 Stainless



ORDER NO.	Mfr. No.	A	B	C	D	E	FASTENER
422-21850 / ea.	221850-1	1-15/16"	1-9/16"	3/8"	1/8"	1-1/16"	#8FH

FLUSH PULL

Injection Molded Acetal

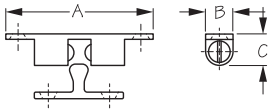


ORDER NO.	Mfr. No.	COLOUR	A	B	C	D	E	FASTENER
422-27320 / ea.	227320-1	Black	3-5/8"	2-3/8"	2-15/16"	1-3/4"	11/16"	#6FH

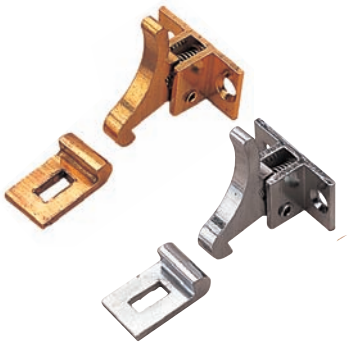
STUD CATCH

Brass Chrome Plated with Stainless Ball & Spring

Sea-Dog Stud Catches have an adjustable spring loaded ball catch that allows for easy adjustment of the holding strength of each catch depending on the door size. These stud catches have a stainless steel ball and spring and may be used for either interior or exterior applications. Strike enters three ways, from the front or from either side.

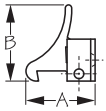


ORDER NO.	Mfr. No.	A	B	C	FASTENER
422-22822 (pr.)	222822-1	1-15/16"	3/8"	7/16"	#4 FH

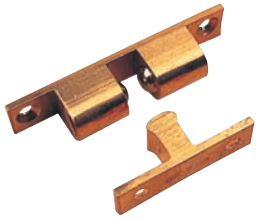


ELBOW CATCH

Extruded Brass

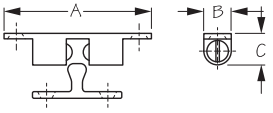


ORDER NO.	Mfr. No.	A	B	FINISH	FASTENER
422-22330 (pr.)	222330-1	1-1/8"	1-5/16"	Chrome	#5 FH
422-22335 (pr.)	222335-1	1-1/8"	1-5/16"	Brass	#5 FH



STUD CATCH

Extruded Brass with Stainless Ball & Spring

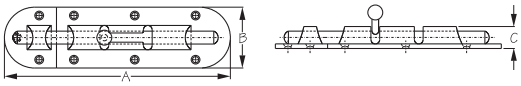


Sea-Dog Stud Catches have an adjustable spring loaded ball catch that allows for easy adjustment of the holding strength of each catch depending on the door size. These stud catches are recommended for interior use only. Strike enters three ways, from the front or from either side.

ORDER NO.	Mfr. No.	A	B	FINISH	FASTENER
422-22841 (pr.)	222841-1	1-11/16"	5/16"	3/8"	#4 FH
422-22842 (pr.)	222842-1	1-15/16"	3/8"	7/16"	#4 FH
422-22843 (pr.)	222843-1	2-5/16"	7/16"	1/2"	#6 FH

HEAVY DUTY BARREL BOLT

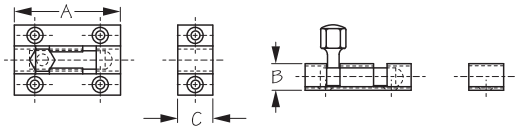
Investment Cast 316 Stainless



ORDER NO.	Mfr. No.	A	B	C	FASTENER
422-21255 / ea.	221255-1	6-1/2"	1-3/4"	5/8"	#10 FH

BARREL BOLT

Extruded Brass Chrome Plated



ORDER NO.	Mfr. No.	A	B	C	FASTENER
422-22501	222501-1	2"	3/8"	1/2"	#5 FH

PERKO® MADE IN THE USA

HATCH FASTENER OR WINDSHIELD KEEPER
Chrome Plated Bronze and Zinc Alloy. Black Polymer handle.
Dimension Base: 1-1/2" x 5/8" / Screw Size: # 8
ORDER NO. 621-07690 - Hatch fastener or Windshield keeper

HOLD DOWN CLAMP
Chrome Plated Bronze. Angle mounting
Length : 2-1/2" / Width: 1-1/2"
Screw Size: # 8
ORDER NO. 621-11130

CUPBOARD BOLT
Chrome Plated Zinc Alloy with Black Polymer slide and knob.
Overall Dimensions: 2-1/8" x 1-1/2"
Screw Size: # 6
ORDER NO. 621-11010

CUPBOARD CATCH
Chrome Plated Zinc Alloy with box strike
Overall Dimensions: 1-1/2" x 1-7/8"
Screw Size: # 6
ORDER NO. 621-11021 - With Standard Box Strike

UTILITY HOOK
Chrome Plated Zinc Alloy / Screw Size: # 6
Projection: 1-3/8" / Width: 1-1/8"
ORDER NO. 621-06100

UTILITY HOOK
Chrome Plated Zinc Alloy / Screw Size: # 6
Projection: 2" / Width: 1-1/8"
ORDER NO. 621-09751
Projection : 3" / Width: 1-1/4"
ORDER NO. 621-09752

FLUSH RING PULL
Chrome Plated Zinc Alloy / Screw Size: # 6
Face plate Dimensions: 1-3/4" x 1-3/8"
ORDER NO. 621-08410

FLUSH RING PULL
Chrome Plated Bronze / Screw Size: # 8
Face plate Dimensions: 2-9/16" x 2"
ORDER NO. 621-11030

FLUSH RING PULL
Chrome Plated Zinc Alloy / Screw Size: # 6
ORDER NO. 621-12321 - Face Plate O.D. (1-5/8")
ORDER NO. 621-12322 - Face Plate O.D. (2")

ELBOW CATCH
Chrome Plated Zinc Alloy with Stainless Steel Spring.
Dimensions: 1-1/8" x 9/16" / Screw Size: # 6
ORDER NO. 621-10560

ELBOW CATCH
Black Polymer with Integral Spring.
Dimensions: 1-3/16" x 5/8" / Screw Size: # 6
ORDER NO. 621-10210

DOOR CATCH
Black Polymer. Stud Dimensions: 1-1/8" x 3/8"
Catch Dimensions: 1-3/8" x 7/8" / Screw Size: # 4 R.H
ORDER NO. 621-05590

DOOR CATCH
White Polymer, stainless steel mounting and keeper screws.
Catch Dimensions: 1-3/8" x 7/8"
Screw Size: 3/4" x # 8 / Mounting Screw Size: # 4 R.H
ORDER NO. 621-05540

DOOR BUTTONS
Chrome Plated Zinc Alloy with black Polymer button
Overall O.D.: 1-3/4" / Screw Size: # 6
ORDER NO.621-12160 Supplied with phosphor Bronze tension spring.
ORDER NO. 621-12170 Supplied without spring and requires a No. 8 oval-head pivot screw.
ORDER NO. 621-12169 Spare Button for both

CABINET FLUSH LOCK & LATCH
Chrome Plated Zinc Alloy. Locking latch with 2 keys.
Easily installs in a 1-5/8" diameter hole.
For door thickness 1/2" to 3/4".
ORDER NO. 621-09210

FLUSH LOCK & LATCH
Chrome Plated Zinc Alloy. Black Polymer with stainless steel stem and lock nut. Detents indicates open or closed position. Easily installs in a
2" diameter hole. For door thickness 1/4" to 1-1/8".
Face Plate Dimensions: 2-1/2" x 2-1/2"
ORDER NO. 621-09311 - Lock with 2 Keys
With Offset Cam Bar and Flexible Polymer Strike Plate.
ORDER NO. 621-09321 - Latch (Non-Locking)
With Offset adjustable Cam Bar.
ORDER NO. 621-93101 - Spare Offset Cam Bar

621-09311

BARREL BOLT
Chrome Plated Bronze. Body & High impact black nylon bulkhead keeper. Supplied with friction pad to eliminate rattle and provide smooth operation.
3/8" Diameter bolt.
Overall dimension: 5-1/4" x 1-7/16"
Screw Size: # 6
ORDER NO. 621-09473

621-09321

Standard keeper

CABIN DOOR HOOK

Chrome Plated Zinc Alloy. Screw Size: # 6 Available in 4 sizes.

ORDER NO.	Length / Door Hook
621-11991	1-3/4"
621-11992	2-1/4"
621-11993	3"
621-11994	4"

Chrome Plated Zinc Alloy. Screw Size: # 6 Available in 3 sizes.

ORDER NO.	Length / Door Hook
621-12871	2"
621-12872	2-1/2"
621-12873	3"

HASP

Chrome Plated Zinc Alloy. Width: 1", Screw Size: # 6
Padlock clearance: 1/4". Available in 3 lengths.
ORDER NO. 621-11981
2'' Closed length
ORDER NO. 621-11982
3'' Closed length
ORDER NO. 621-11983
3-3/4'' Closed length

SWIVEL EYE HASP

Chrome Plated Zinc Alloy. Padlock eye swivels to act as a latch. Length: 3", Width: 1", Screw Size: # 6
ORDER NO. 621-11940
Hasp
ORDER NO. 621-11949
Spare Keepers (2 per card)

FLUSH RING CATCH

Chrome Plated Zinc Alloy with Phosphor Bronze Spring.
Dimensions: 2-1/4" x 1-3/8" / Screw Size: # 6
ORDER NO. 621-10510

FLUSH PULL

Chrome Plated Zinc Alloy with Black Polymer Finishing Flange.
Spring Loaded, Can be Mounted Horizontally or Vertically.
Flange Dimensions: 3/4" x 3-1/4"
ORDER NO. 621-12210

FLUSH LIFTING HANDLE

Chrome Plated Bronze / Screw Size: # 8
Face Plate Dimensions: 3" x 2-1/4"
Inside Handle Dimensions: 1-7/8" x 1"
ORDER NO. 621-07761

LOCK SETS

MORTISE LOCK SET

Chrome Plated Zinc Alloy. Locked by Turn Button from Inside or Key from Outside. Bevel can be Reversed During Installation.
For Door Thickness 1" to 1-3/8"
Screw Size: # 6
Case Dimensions: 2-3/4" x 2"
Escutcheon Dimensions: 4-3/8" x 1-1/4"
ORDER NO. 621-09270

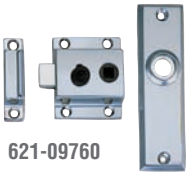
ORDER NO.	Replacement Parts
621-09130	Spare Flush Strike
621-09620	Spare Knob & Handle Assembly
621-92000	Reverse Bevel with Cam

RIM LATCH SET

Regular Bevel with Box Strike
Chrome Plated Zinc Alloy with sliding lock button.
For door thickness 5/8" to 1-3/8".
Regular Bevel with Box Strike.
Case Dimensions: 2-1/8" x 1-3/4"
Screw Size: # 6
Escutcheon Dimensions: 4-3/8" x 1-1/4"
ORDER NO. 621-09280

621-09280

621-09760



ORDER NO.	Replacement Parts
621-09760	Strike Plate
621-09620	Spare Knob & Handle Assembly
621-09840	Spare Regular Bevel with Cam
621-92000	Spare Reverse Bevel with Cam

RIM LOCK SET

Chrome Plated Zinc Alloy. For Door Thickness 5/8" to 1-3/8"
Locks by Turn Button From Inside or Key from Outside.
Door Case: 3-7/8" x 2"
Screw Size: # 6
Escutcheon Dimensions: 4-3/8" x 1-1/4"

ORDER NO. 621-09180
Regular Bevel with Box Strike
ORDER NO. 621-09190
Reverse Bevel with Flush Strike

621-09180-190

ORDER NO.	Replacement Parts
621-09130	Spare Flush Strike
621-09620	Spare Knob & Handle Assembly
621-09840	Spare Regular Bevel with Cam
621-92000	Spare Reverse Bevel with Cam

UNIVERSAL PONTOON GATE LATCH

This durable lock set is a complete replacement kit for your pontoon's gate latch.

- Universal sizing fits square frames of 1", 1-1/8" and 1-1/4" on both left- and right-hinged gates
- Secure closure stabilizes gate and prevents inward swinging
- Includes mounting hardware for quick and easy installation
- Matches most pontoon styling - Grey in colour
- 8-1/2" x 9-1/2" x 5-1/2"

ORDER NO. 101-11404 Mfr. No. 11404-6

For more information see: www.attwoodmarine.com

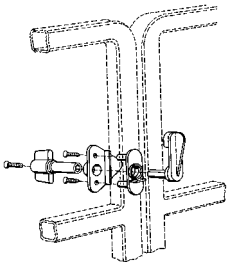
PONTOON GATE LATCH

- Entire unit installs on gate ONLY
- Molded nylon for strength - no rattle
- Operates on right or left hinged gates
- Yellow sealing clip for high visibility
- Fits 1", 1-1/8" & 1-1/4" square tubing

NOTICE: Not designed as a safety or load bearing device Gate Latch is BLACK.

ORDER NO. 205-95111 Mfr. No. GL-1-DP

Pontoon Gate Latch



NAUTICAL SLAM LATCHES

- Low profile oval design
- UV stable - Corrosion resistant
- Stainless steel striker plate
- Fit 2" round hole

ORDER NO.	Mfr. No.	Material Thickness	Colour
205-00005-1	NFSL-5-1-DP	1/16" to 7/8"	Black
205-00005-2	NFSL-5-2-DP	1/16" to 7/8"	White

ANCHOR HANDLE LOCK WITH BLACK BASE

- Easy grip "two finger" handle.
- Waterproof "O" ring seals.
- For lids up to 1" thick.
- Fits 2-3/8" to 2-1/2" hole.
- All cams powder coated steel.

Available in Locking and Non-Locking models.

Available with Black handle or Brite Plate™ "Chrome" handle.

ORDER NO.	Mfr. No.	Description
205-11111	AL-1-DP	Black Base, Black Handle, Locking
205-11112	ALN-1-DP	Black Base, Black Handle, Non-Locking
205-11113	ALC-1-DP	Black Base, Chrome Handle, Locking
205-11114	ALCN-1-DP	Black Base, Chrome Handle, Non-Locking

For more information see: www.thmarine.com

SELF-ADJUSTING SLAM LATCH

- "Perko Leak Proof" Slide Action design keeps inside of hatches dry
- Self-adjusting, ratcheting cam bar/strike permits installations with slight misalignment of components
- Black polymer
- For mounting surfaces 1/8" to 3/4" thick
- Installs in a 2" diameter hole
- Includes 2 strikes to accomodate a variety of mounting options
- Outside diameter face plate: 2-3/8"

Mfr. No. 0675DPBBLK **ORDER NO. 621-06750**

Strike 1 Strike 2

For more information see: www.perko.com

Norcold offers a comprehensive line of top-performing AC/DC refrigerators for reliable performance for all marine applications. Norcold refrigerators are quiet, dependable and designed for years of reliable service – perfect for boats, RV's, and vans.

NR740 – 1.7 CU. FT.

AC/DC Refrigerator

- NEW - Danfoss BD35 compressor improves performance, especially at higher ambient temperatures
- NEW - LED interior light
- Improved styling - new hidden ventilation grill
- Fits the same cutout as the old 0740 model
- Base model is 12/24 DC
- AC operation only w/optional power cord (CC Order No. 905-635591)
- Closing freezer door
- Can be flush- or proud-mounted without additional hardware
- Self-venting - a Norcold exclusive
- EV model for European Voltage applications
- 2-Year Warranty
- Installation Dimensions: 20-1/2"H x 15-1/4"W x 17-7/8"D Flush 19-15/16"

ORDER NO.	Mfr. No.	Description	Finish
905-07400	NR0740BB	AC/DC Refrigerator, Built-in, 1.7 cu. ft.,	Black
905-07400-2	NR0740SS	AC/DC Refrigerator, Built-in, 1.7 cu. ft.,	Stainless Steel
		DOOR PANELS	
905-635973	635973	Bottom Cover, NR740BB	Black
905-635971	635971	Bottom Cover, NR740SS	Stainless Steel
		AC POWER CORD	
905-635591	635591	AC Power Cord for NR740	

NR751 – 2.7 CU. FT.

AC/DC Refrigerator

- NEW - Danfoss BD35 compressor improves performance, especially at higher ambient temperatures
- NEW - LED interior light
- Improved styling - new "hidden" ventilation grill
- Fits the same cutout as the old 0751 model
- Base model is 12/24 DC
- AC operation only w/optional power cord (CC Order No. 905-635591)
- Self-venting - a Norcold exclusive
- 2-Year Warranty
- Installation Dimensions: 20-1/2"H x 18-1/2"W x 21-1/16"D Flush 23-3/16"

ORDER NO.	Mfr. No.	Description	Finish
905-07510	NR751BB	AC/DC Refrigerator, Built-in, 2.7 cu. ft.,	Black
905-07510-2	NR751SS	AC/DC Refrigerator, Built-in, 2.7 cu. ft.,	Stainless Steel
		DOOR PANELS	
905-635977	635977	Bottom Cover, NR751BB	Black
905-635975	635975	Bottom Cover, NR751SS	Stainless Steel
		AC POWER CORD	
905-635591	635591	AC Power Cord for NR751	

DE-0041 L – 3.6 CU. FT.

- AC/DC Refrigerator, built-in
- Easy to clean white powder-coated shelves
- Convenient top-mounted automatic temperature control
- Contemporary Flushmount™ styling
- Exceptionally quiet, hermetically-sealed compressor
- Easy open/close door latches - even under the counter
- DE model offers dual current flexibility
- 12-volt fan aids airflow for improved cooling
- Tall container door bin storage
- Self-ventilated design for easier integration
- Improved cooling performance in higher ambient temperatures
- Off level operation up to 30˚
- Black exterior trim with optional door panel.
- Reversible doors with adjustable bins for various container sizes
- Convenient, easily-accessible large-container storage.
- **Door Panel, Black Extra - #623-86600**

ORDER NO.	Mfr. No.	Description
905-00410	DE-0041 L	AC/DC Refrigerator, Built-in, 3.6 cu. ft

Specifications:

Enclosure Cut-Out Dimensions:
Height: 30-7/8"
Width: 23-1/4"
Depth: 23-1/2"
Volume: 3.6 cu. ft.
Weight: 75 lbs.
Shipping Weight: 89 lbs.
Installation dimensions excluding Flange & Door

Door Panel Dimensions:
Height: 16-1/2"
Width: 17-1/8"
Thickness: 3/16"

Power Source:
120V/AC - 0.2 Amps
12V/DC - 2.8 Amps
24V/DC - 1.6 Amps

DOOR PANEL

ORDER NO.	Mfr. No.	Description
623-86600	623866Door	Door Panel, Black, Fits DE0041 L

MODEL # DE-0061 L – 7 CU. FT.

Top of the line, Two door model with Contemporary Flushmount™ styling.

- AC/DC Refrigerator 2 Door Model, Flush mounted
- Net Volume 7 cu. ft. / Freezer - 1.7 cu. ft. / Refrigerator - 5.3 cu. ft.
- New interior light
- Top-of-the-line, two door model
- Contemporary Flushmount™ styling
- Self-ventilated design for easier integration
- Exceptionally quiet, hermetically-sealed compressor
- Drip tray drain hose*
- 12 volt fan aids airflow across condenser and compressor for improved cooling
- Reversible, safe and stylish recessed doors
- Black exterior trim with optional door panel
- Storage for varied sizes, Inc: 2-Litre, 1/2-Gallon and 1-Gallon containers
- Adjustable, removable, large container door bin storage
- Easy clean, no tarnish white powder-coated shelves
- Easy open and close door latches - even under the counter
- **Door Panel, Black Extra - #623-86700**

**A 5ft extension accessory kit is available Norcold part # 625127*

7 CU. FT
FREEZER - 1.7 CU. FT.
REFRIGERATOR - 5.3 CU. FT.

Specifications:

Enclosure Cut-Out Dimensions:
Height: 52-7/8", Width: 23-1/4", Depth: 23-3/4"
Volume: 7.0 cu. ft., Weight: 105 lbs., Shipping Weight: 128 lbs.
Installation dimensions excluding Flange & Door

Door Panel Dimensions:
Upper Door: Height: 16-1/2" , Width: 17-13/16", Thickness: 3/16"
Lower Door: Height: 27-1/4" , Width: 17-13/16", Thickness: 3/16"

Power Source:
120V/AC - 0.4 Amps
12V/DC - 3.2 Amps
24V/DC - 2.2 Amps

ORDER NO.	Mfr. No.	Description
905-00610	DE-0061 L	AC/DC Refrigerator, Built-in, 7.0 cu. ft

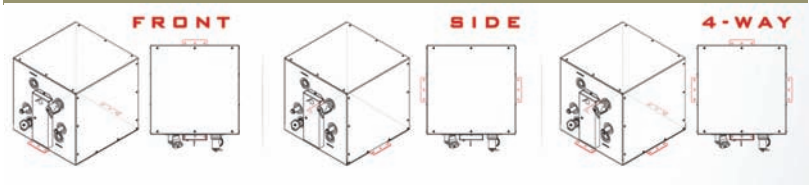
DOOR PANEL

ORDER NO.	Mfr. No.	Description
623-86700	623867	Door Panel Set, Black, Fits DE0061 L

PREMIUM WATER HEATERS

- Marine-quality aluminum alloy tank and case
- The water heater of choice for many OEMs
- ETL listed to UL 174
- TIG welded

MOUNT ARRANGEMENTS



HEAT EXCHANGE

ELECTRIC WATER HEATERS

ORDER NO.	Mfr. No.	Capacity(in) (Width x Height x Depth)	Mount Arrangement	Electrical Input	Heat Exchanger Position/Material	T&P Valve Type
6 GALLON CAPACITY						
668-11810	11810	15.625 x 13.625 x 19.375	Side-Side	120V-60Hz/1500W	Front/AL	150psi & 210˚F, CSA
668-11811	11811	13.75 x 13.625 x 19.75	Front-Rear	120V-60Hz/1500W	Front/AL	150psi & 210˚F, CSA
Crossover Atwood Water Heater Model #EHM-6						
668-11812	11812	13.75 x 13.625 x 19.75	Front-Rear	120V-60Hz/1500W	Rear/AL	150psi & 210˚F, CSA
11 GALLON CAPACITY						
668-11840	11840	18.875 x 16.25 x 21.625	Side-Side	120V-60Hz/1500W	Front/AL	150psi & 210˚F, CSA
668-11841	11841	16.25 x 16.25 x 23.25	Front-Rear	120V-60Hz/1500W	Front/AL	150psi & 210˚F, CSA
Crossover Atwood Water Heater Model #EHM-11						
668-11842	11842	16.25 x 16.25 x 23.25	Front-Rear	120V-60Hz/1500W	Rear/AL	150psi & 210˚F, CSA
20 GALLON CAPACITY (VERTICAL)						
668-11870	11870	18.875 x 29.75 x 20.75	4-Way	120V-60Hz/1500W	Front/AL	150psi & 210˚F, CSA

REPLACEMENT PARTS

668-10473

668-11523

668-11930

ORDER NO.	Mfr. No.	Description
668-02152	02152	Heating Element, 240V (Gasket extra)
668-02858	02858	Heating Element, 120V (Gasket extra)
668-06822	06822	Gasket - Heating Element
668-10473	10473	Temperature and Pressure Relief Valve
668-11523	11523	Drain Valve, Plastic
668-11920	11920	High Temperature Limiter, 120V
668-11921	11921	High Temperature Limiter, 240V
668-11930	11930	Thermostat

For more information see: www.kuumaproducts.com
For more information see: www.camco.net

WHALE WATER HEATERS

All Whale® Water Heaters are built to the highest standards with many features to ensure safety on board.
With integrated thermostat, pressure relief valve and temperature monitor you can be assured safety is a priority with Whale Water Heaters.
All heaters are all specifically made from marine graded materials to withstand harsh conditions.
As an expert in water systems, Whale is proud to offer a complete line of water heaters suited for the marine environment. With a variety of options available including multiple capacities and materials, we have the right water heater for your installation

Made in USA

Range Includes Combination Electric/Heat Exchanger Or Electric Only Models

- **Wide Range To Suit Your Installation Requirements**
- Wide range of capacities available 3,6,11,20 and 28 Gals
- **Robust Manufacturing**
- Hold down brackets welded to inner tank
- **Double Wall Heat Exchangers**
- Prevents accidental contamination of freshwater supply
- **Safety Controls**
- Integrated pressure relief valve and temperature monitor
- **Sturdy, Robust Exteriors**
- Produced from marine grade stainless steel or epoxy coated
- **Ignition Protected**

ELECTRIC WATER HEATERS - 120V

ORDER NO.	Mfr. No.	Orientation	Heat Exchanger	PSI Rating	Overall Dimensions Inches (W x D x H)	Exterior Material	Weight (lbs.)
6 GALLON CAPACITY							
897-06000	F600	Horizontal	Front	100 psi	13 x 19" x 13"	Marine Galvanized Steel	26
897-60000S	S600	Horizontal	Rear	100 psi	13 x 19" x 13"	Marine Galvanized Steel	26
11 GALLON CAPACITY							
897-11000	F1100	Horizontal	Front	100 psi	16 x 22" x 16"	Marine Galvanized Steel	34

Models have a 1500W element and require a 15A Circuit Breaker (120V) or 10A Dual Breaker (240V).
Note: All Whale Heaters must be installed and serviced by a qualified electrician.

For more information see: www.whalepumps.com

Johnson Pump®

- External casing made of AISI 304 stainless steel
- Standard with compact plastic integrated mounting brackets
- Internal surface made of AISI 316L stainless steel
- Heat insulation polyurethane foam
- Safety & non return valve set at 6 Bar +/- 0,5 Bar
- Engine ware fittings 1/2 BSP
- Sturdy compact plastic end covers
- Includes mounting brackets
- Adjustable safety thermostat for temperature adjustment while on electrical heating

ORDER NO.	Mfr. No.	Description
564-74552	56-47455-02	6 Gal. (22L) Water Heater 1200W, 120V
564-74572	56-47457-02	11 Gal (45L) Water Heater 1200W, 120V

AquaH – MARINE WATER HEATERS

Stainless steel water heaters with dual heating as standard - electrical heating and indirect heating based on a second heat source, for example based on the cooling system from the Marine engine or generator set.
The **AquaH** Series is designed to withstand the marine environment. It is compact, easy to install and has a modern, attractive look.

For more information see: www.spxflow.com/johnson-pump-marine

WATER HEATER UNIVERSAL SERVICE PARTS

WATER HEATER ELEMENTS - UNIVERSAL

668-03743

668-04363

Replace the heating element in your boat's water heater.

- Economy high watt density (150+ watts per square inch)
- UL Listed
- Gasket included
- Detailed instructions included

ORDER NO.	Mfr. No.	Description
668-03743	03743	Flat Flange Water Heater Element, 1500W-120V
668-04363	04363	Universal Flange Water Heater Element, 1500W-120V

WATER HEATER THERMOSTAT

668-08143

- Therm-O-Disc Style
- Single element thermostat with High Limit Control

ORDER NO.	Mfr. No.	Description
668-08143	08143	TOD Single Element Thermostat

TEMPERATURE PRESSURE & RELIEF VALVES

668-10473

668-10423

Protect your water heater from excessive temperatures and water pressure with corrosion-resistant metal T & P valves. All valves are factory set at 150 PSI and are crafted with no gaskets and epoxy-coated probes to prevent corrosion buildup.

ORDER NO.	Mfr. No.	Description
668-10423	10423	1/2" Valve with 4" Probe
668-10463	10463	3/4" Valve with 1" Probe
668-10473	10473	3/4" Valve with 4" Probe

WATER PRESSURE REGULATOR

668-40055

Stop damage to your water hose, pump or internal lines from inconsistent water pressure in marinas. Reduce water pressure to a safe, consistent 40-50 PSI of operational pressure. Protects equipment and prevents hose failure, helping to prolong equipment life.

ORDER NO.	Mfr. No.	Description
668-40055	40055	Brass Regulator, 3/4"

2 BURNER DROP-IN COOKTOP

- Low Pressure Propane

Heavy duty, stainless steel, drop in cooker.
With a 11,000 BTU large burner and a 7,000 BTU small burner.
Comes with a CGA/AGA safety valve and a safe push turn electronic ignition.
It is easily installed with under the counter brackets and is a shallow 4.75" in height.
Comes with a set of potholders and a wooden cutting board.
Mfr. No.- 00-2BP **ORDER NO. 850-22222B**

Width: 21.5"
Depth: 12.5"
Height: 4.75"
Weight: 12 lbs.

Mfr. No.- 00-MED3B **ORDER NO. 850-30000B**

THE MEDITERRANEAN

The Mediterranean, is our brand new 3 Burner propane stove. The perfect cooking unit for your galley area. With three powerful burners, and a 35L oven complete with broiler, you can enjoy cooking to perfection, on the open seas.
Width: 20.375"
Depth: 20.250"
Height: 21.750"
Weight: 80 lbs.

Fuel: Low Pressure Propane

Heat Output:
Small Burner - 7,000 BTU
Big Burner - 11,000 BTU
Oven - 7,000 BTU + Broiler
Usable Oven Volume: 35L 18" x 12" x 7"

Features:
- ***100% Stainless Steel***
- ***Burner Safety Flame-out***
- ***Pot Holders***
- ***No electrical connections needed***
- ***Thermostatically controlled oven complete with broiler.***
- ***Gimbaled or Built-In installation option available***
- ***Cutting board included***

GIMBALED OPTION

This option allows your stove to swing freely, when your boat is on a keel.
Mfr. No.-26-003 **ORDER NO. 850-26003**

BUILT-IN OPTION (Bracket)

Bracket set with many different configurations to choose from.
For built-in style install 3 Burner
Mfr.No. 26-001 **ORDER NO. 850-26001**

Mfr. No.- 00-CAR2B **ORDER NO. 850-20000B**

THE CARIBBEAN

The Caribbean, is our brand new 2 Burner propane stove. This unit is identical to the 3 burner model, but only has 2 burners. Also has a 35L oven complete with broiler, so you can enjoy cooking to perfection, on the open seas.
Width: 20.375"
Depth: 14.750"
Height: 21.750"
Weight: 70 lbs.

Fuel: Low Pressure Propane

Heat Output:
Small Burner - 7,000 BTU
Big Burner - 11,000 BTU
Oven - 7,000 BTU + Broiler
Usable Oven Volume: 35L 18" x 12" x 7"

For more information see: www.dickinsonmarine.com

BUILT-IN OPTION (Bracket)

2 Burner
Mfr.No. 26-000 **ORDER NO. 850-26000**

For more information see: www.moellermarine.com

dickinson MARINE

SEA-B-QUE - LARGE

One of the largest and most robust stainless boat barbeques on the market. Features an 11,000 BTU burner, and comes complete with ignitor button, thermometer, porcelain wave grills, deck legs, and drip tray.
Rollaway hood with handles attached.

Cooking Surface : W11" x L20"
Dim: W28" x D14.5" x H12.5"
Weight: 30 lbs

Model No. 00-SBQ-L
ORDER NO. 850-00020

SEA-B-QUE - SMALL

Sturdy, neat and compact. The ideal small stainless steel barbeque for two people. Comes with a 10,000 BTU burner, thermometer, porcelain wave grills, deck legs, and drip tray.
Rollaway hood with handles attached.

Cooking Surface : W9.25" x L16"
Dim: W24" x D10" x H12.375"
Weight:18lbs

Model No. 00-SBQ-S
ORDER NO. 850-00010

SPITFIRE 180

New polished stainless lid, and grained finish body. Comes with an 11,000 BTU burner, and is loaded with extra features like ignitor button, thermometer, stainless rod grills, deck legs, and drip tray.
Black vinyl cover included.

Cooking Surface: W11" x L16"
Dim: W24" x D13" x H14.75"
Weight: 30 lbs

Model No. 00-SPT-180
ORDER NO. 850-00180

FISHING ROD HOLDER MOUNT

A versatile mounting kit for your BBQ! Crafted from the most durable materials, the Fishing Rod Holder Mount Kit adapts to most fishing rod holders. Best for smaller model BBQ's. It also features the quick release snap latch kit for easy removal of your BBQ.

Mfr.No. 15-150F
ORDER NO. 850-15150F

UNIVERSAL RAIL MOUNT

New and improved, this is a strong sturdy mount, and by far the most popular, for any Dickinson BBQ! Use with square or round rail, 7/8"-1" & 1-1/4" thick. Use on vertical, horizontal or some angled portions of rail. Fits all BBQ models, and features the quick release snap latch kit for easy removal of your BBQ.

Mfr. No. 15-150A
ORDER NO. 850-15150A

TAFF RAIL MOUNT KIT WITH SOCKETS

The Taff Rail Mount Kit uses high quality stainless steel tubes and sockets to create a stand off mount for your BBQ that can be installed in a cap rail or taff rail, and the rails slide out and fold for easy storage.
Best mount for larger BBQ's.

Mfr. No. 15-187
ORDER NO. 850-15187

"SCOTTY" MOUNT

This kit attaches to a Scotty Type Fishing Rod Holder or instrument mount socket. It fits smaller BBQ models and features the quick release snap latch kit for easy removal of your BBQ! The universal angle knuckle allows positioning at any angle.

Mfr.No. 15-150P
ORDER NO. 850-15150P

BBQ PEDESTAL MOUNT

The Dickinson pedestal mount is the perfect way to mount your Sea-B-Que or Spitfire grill in locations such as on a deck, patio, boat, swim platform or Pontoon boat.
Features the quick- release latch for easy removal.

Mfr. No. 15-150B
ORDER NO. 850-15150B

BARBEQUE HOOD REPLACEMENT HANDLE KNOB

Black in colour

Mfr.No. 15-130
ORDER NO. 850-15130

NEW!

For more information see: www.dickinsonmarine.com

dickinson MARINE

BBQ CLEANING KIT

A set of coarse and fine pads, that can make your BBQ shine like new again.
Mfr. No.15-555
ORDER NO. 850-15155

BBQ VINYL COVERS

Cover your BBQ with a Dickinson cover to keep your BBQ looking it's best.

ORDER NO.	Mfr. No.	Fits	Description
850-15169	15-169	Spitfire 180	Royal Blue Vinyl
850-15171	15-171	Spitfire 180	Black Vinyl
850-15182	15-182	Sea-B-Que-Small	Royal Blue Vinyl
850-15185	15-185	Sea-B-Que-Small	Black Vinyl
850-15183	15-183	Sea-B-Que-Large	Royal Blue Vinyl
850-15184	15-184	Sea-B-Que-Large	Black Vinyl

BBQ REPLACEMENT BURNERS

304 Stainless steel replacement burners. Includes bracket and hardware

ORDER NO. 850-15060 **Sea-B-Que Large**
Mfr. No. 15-060-Large
ORDER NO. 850-15061 **Sea-B-Que Small**
Mfr. No. 15-061-Small
ORDER NO. 850-15063 **Spitfire 180**
Mfr. No. 15-063

NEW!

BBQ DRIP TRAY

Replacement stainless drip tray to catch grease drippings from your Dickinson barbeque. Made of 304 stainless steel.
For Models: Sea-B-Que Small, Sea-B-Que Large, Spitfire180
ORDER NO. 850-15080
Mfr. No. 15-080

NEW!

REPLACEMENT THERMOMETER

Monitors the temperature of your BBQ. Includes mounting hardware.

NEW!

Mfr. No. 15-120
ORDER NO. 850-15120

REPLACEMENT GRILL SECTIONS

Replacement cooking grill sections for your Dickinson BBQ available in porcelain or stainless steel.

ORDER NO.	Mfr. No.	Description
850-15182P	15-182-P	Grill Section **Porcelain** for Small SBQ (4 required)
850-15182S	15-182-S	Grill Section **Stainless** for Small SBQ (4 required)
850-15183P	15-183-P	Grill Section **Porcelain** for Large SBQ (4 required)
850-15183S	15-183-S	Grill Section **Stainless** for Large SBQ (4 required)

NEW!

AUSSIE GRIDDLE PAN

Stainless steel pan to grill up your shrimp, pancakes and chocolate chip cookies on your BBQ. Made from 304 stainless steel

ORDER NO.	Mfr. No.	Fits	Size
850-15200	15-200	Small CBQ	8x9"
850-15201	15-201	Large CBQ	9.5x11"
850-15203	15-203	Spitfire 180	8x11"

BBQ FOOD & DRINK TRAY W/CUTTING BOARD

A stainless food and drink tray complete with a plastic cutting board that fits on the front of your BBQ for your utensils or chopping meat or veggies.

Mfr. No. 15-180-Small CBQ
ORDER NO. 850-15180

Mfr. No. 15-181-Large CBQ
ORDER NO. 850-15181

Mfr. No. 15-180A - Spitfire180
ORDER NO. 850-15180A

PROPANE HOSE

Hook your Dickinson BBQ up to 10 or 20 lbs. bottle. 6ft and 8ft available. CSA Approved.
Mfr. No. 15-188 **6ft.**
ORDER NO. 850-15188
Mfr. No. 15-189 **8ft.**
ORDER NO. 850-15189

BBQ REGULATOR CONTROL

A high pressure regulator control replacment for your Dickinson Sea-B-Que or Spitfire

Mfr. No. 15-110
ORDER NO. 850-15110

IGNITOR ASSEMBLY

The fast & easy way to start your BBQ with a touch of a button. For models SBQ Large & Spitfire 180. Note: Not available for the small Sea-B-Que.

NEW!

Mfr. No. 15-101
ORDER NO. 850-15101

For more information see: www.dickinsonmarine.com

KUUMA GRILLS

Designed for high pressure, disposable 1 lb. propane canisters or larger refillable tanks with hose attachments. Cannisters, tanks and hoses not included.

STOW N' GO 160 GAS GRILL - 13,000 BTU'S

- *Cooking Surface : 160 Square Inches"*
- *Dimensions: 23.25"L x 11.25"D x 11"H*
- *Weight: 16 lbs*

Model No. 58134

ORDER NO. 668-58134

ELITE 216 GAS GRILL - 12,000 BTU'S

- *Cooking Surface : 216 Square Inches*
- *Dimensions: 22"L x 15"D x 13"H*
- *Weight: 21 lbs*

Model No. 58154

ORDER NO. 668-58154

STOW N' GO 160 GAS GRILL - 13,000 BTU'S with/ THERMOMETER & IGNITOR

- *Cooking Surface : 160 Square Inches"*
- *Dimensions: 23.25"L x 11.25"D x 11"H*
- *Weight: 16 lbs*

NEW!

ORDER NO. 668-58135 Mfr. No. 58135

STOW N' GO 125 COMPACT GAS GRILL - 8,500 BTU'S

Ready to use out of the box!!

- *Cooking Surface : 125 Square Inches"*
- *Dimensions: 19.75"L x 11.25"D x 11"H*
- *Weight: 11 lbs*

NEW!

ORDER NO. 668-58146 Mfr. No. 58146

BARBEQUE ACCESSORIES

GRILL COVERS / DUFFLE TOTE BAG

For use on a mounted grill as a cover or as a tote bag. Heavy-duty, UV- resistant polyester provides long lasting protection. Zipping closure for a secure fit.

668-58300	58300	**Tote Cover, Duffle, Black,** *Fits 125 - 216 Profile*
668-58303	58303	**Tote Cover, Duffle, Black,** *Fits 216 Elite*

RAIL GRILL MOUNTS / ADAPTER

668-58182 58182 **Inboard/Outboard Rail Grill Mount**
7/8" to 1-1/4" round or square horizontal rail.

668-58183 58183 **Universal Rail Grill Mount**
Single Axis rail mount allows you to mount grill on any angle rail from vertical to horizontal.

668-58195 58195 **Quick-Release Rail Mount**
Mount and dismount grill without unscrewing any hardware and without the use of tools.

668-58197 58197 **Rail Mount Pontoon Adapter**
Designed to adapt wrap around style rail mounts to square pontoon railings with full height paneling.

PEDESTAL GRILL MOUNT

668-58184 58184 **Pedestal Grill Mount - 30" Tall**
Perfect for stationary locations such as dock, deck, swim platform or patio.

ROD HOLDER GRILL MOUNT

668-58180 58180 **Rod Holder Grill Mount - 60 Degrees**
Enables you to turn any fishing rod holder into a grill mount. The rod holder mount has a 60 degree angle and an adjustable height. Fits into most rod holders with cross pins.

For more information see: www.camco.net or www.kuumaproducts.com

BARBEQUE ACCESSORIES

COOKING ACCESSORIES / PARTS

668-58231	58231	**Stow N' Go Grill Food Tray, Small**
668-58275	58275	**Regulator,** Permanent Mount - Fits Model #'s 125, 150, 160, 216, 316
668-58356	58356	**Regulator,** Stow N' Go 160 Grills
668-58357	58357	**Regulator,** Fits Elite 216 & Profile 216
668-57800	57800	**Piezo Sparker with Nut**
668-57858	57858	**Sparker, Long Electrode**

58275

58231

BARBEQUE GRILLS

BARBEQUE GRILL WITH THREAD-LOCK™ BASE - 12,000 BTU'S

No more loose coals and flare up problems with the use of the ceramic coated thermal plate. Comes with a stowable mounting pedestal, or can be removed from the pedestal and used on a table top. Table legs also fold into carrying handles when grill is used outside the boat. Additionally, the polished aluminum top serves as a griddle.

- Ceramic coated thermal plate
- Built-in regulator for 1-lb. fuel tank (Propane not included)
- Stainless steel burner with variable control
- 189 sq. in. cooking area
- 130 sq. in. griddle surface
- Assembly/operating instructions

ORDER NO. 194-00520
Mfr. No. 1940052

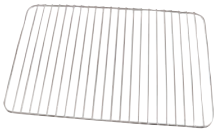
BARBEQUE GRILL WITH MULTI-FIT RAIL MOUNT KIT - 12,000 BTU'S

- Converts to a table-top grill
- Legs fold upward to be used as a carry handle
- 189 sq. in. grill cooking surface
- 130 sq. in. griddle surface on top of lid
- Use with a 1 lb. propane tank (not included)
- Rail mount
- Multi-fit kit adapt to the following sizes: 1" round rail, 1-1/4" rail, 1-1/2" rail

ORDER NO. 194-00540
Mfr. No. 1940054

DELUXE BARBEQUE GRILL REPLACEMENT PARTS

A



B

C

D

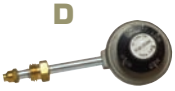


Fig.	ORDER NO.	Mfr. No.	Description
A	210-00145	2100145	Cooking Grate BBQ Grill
B	210-00146	2100146	Heat Transfer Plate
C	210-00148	2100148	Stainless Steel Burner
D	210-00149	2100149	Gas Regulator

For more information see: www.springfieldgrp.com

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37010 SERIES ECONOMY ELECTRIC TOILET

Features:

- White vitreous china bowl available in two sizes
- Baked enamel seat & cover in compact or household size
- Flexible impeller flush pump
- Permanent magnet type motor, fully enclosed, with stainless steel shaft
- High capacity macerator and bowl scavenger pump
- Built-in back flow preventer
- All corrosion resistant material for marine use

Fitting: 5/8"-3/4" (16-19mm) ID Inlet Hose , 1" or 1-1/2" (25 or 38 mm) ID Outlet Hose

Order 37040-0000 for seal and gasket service kit.

ORDER NO.	Bowl Size	Volt DC	Amp Draw	Fuse Rating	Dimensions - In. (cm) Height	Width	Length
37010-3092	Compact	12	16	25 Amp	14 (35)	13-7/8 (35)	17-5/8 (43)
37010-4092	Regular	12	16	25 Amp	14-5/8 (37)	14-3/4 (38)	18-1/2 (47)

MANUAL TOILET - TWIST'N' LOCK™ MANUAL TOILET

THE MANUAL TOILET THAT GUARDS AGAINST FLOODING & WASTE BACKFLOW
This intuitive, simple to use, Twist 'N' Lock™ handle works by locking the new cone-shaped piston into place which helps to prevent any backflow during a voyage.

Features:

- Twist 'N' Lock™ action safety handle
- Reversible pump mounting allows re-assembly for left hand operation by installer.
- Powerful self-priming, double-acting piston pump.
- Strong swirl action for efficient flushing.
- Crevice free contours and skirted base for added cleanliness and hygiene.
- Contoured handle and conveniently positioned flush control lever for ease of use.
- Angled pump housing and long stroke for easier pumping.
- Spring assisted top valve closure for easier priming.
- Automatic vacuum breaker operated by flush control lever for easier bowl emptying.
- Constant 38mm (1-1/2") bore waste path minimises blockages.
- Aortic joker valve combines full 38mm (1-1/2") bore with automatic back- flow prevention.
- Multi-angle discharge elbow for ease of installation.
- Accessible mounting points for faster installation.
- All fastenings face front or top for superbly simple servicing without need for special tools.
- Renewable external seal housing for quick, clean replacement of seal and piston rod guide.
- Positively located gaskets ensure correct re-assembly.
- Dual function base plug combines winter drain point with easy cleaning access.
- **Replaces 3000 Series**

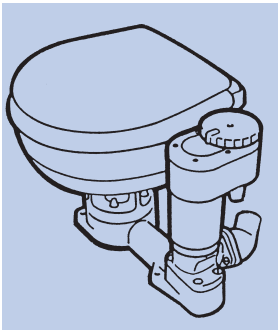
Fitting: 3/4" (19mm) ID Inlet Hose, 1-1/2" (38mm) ID Outlet Hose

The pump is fitted with a full size rod guide and seal housing making it easy to unscrew and remove the entire handle, seal housing, piston rod and piston as an assembly without disassembling the pump. The upper flap valve assembly is now fitted with a valve return spring to ensure quick and easy priming.

Twist 'N' Lock™ action safety handle provides a quick & easy lock that ensures a solid seal during the voyage.

ORDER NO.	Bowl Size	Dimensions - In. (cm) Height	Width	Length
29090-5000	Compact	13-1/2 (34)	17-3/4 (45)	16 (41)
29120-5000	Regular	13-3/4 (35)	18-1/2 (47)	19 (48)
	Service Parts			
29040-3000	Pump Assembly			
29045-3000	Major Service Kit			

ELECTRIC CONVERSION PUMP



Features:

- Directly replaces manual pump assembly
- Easy to Install
- Simple to operate
- Dual action control allows water level to be varied
- Fits all Jabsco and Par 29090 and 29120 standard and large bowl toilets. Adaptors available to fit many other makes
- Suitable for use in above or below waterline installations
- Built-in macerator
- Meets EN50081-2 for Electro Magnetic Compatability (EMC)
- Meets ISO 8846 MARINE and USCG 183.410 for Ignition protection
- Self priming up to 0.6m(2ft)
- Waste pump discharges over an anti-syphon loop up to 1.8m(6ft) and out of a through hull fitting down to 0.9m(3ft) below the surface
- Typical power consumption is less than 1.0 amp hour(12 Volt) or 0.5 amp hour (24 Volt) per day

ORDER NO.	Volt DC	Amp Draw	Fuse Rating
29200-0120	12	25	25 Amp

For more information see: www.xylem.com

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ELECTRIC CONVERSION KIT

NEW CONTOURED BASE

Converts Jabsco manual toilet models to full electric operation without altering existing inlet or discharge seacocks.

Features:

- Also converts most toilets with 4 bolt screw pattern on a 3-3/4" (95mm) diameter bolt circle such as Groco, Raritan, Wilcox Cirttenden, Mansfield and Sealand.
- Push button flushing for ease and simplicity of operation
- Kit includes all necessary parts
- Flushing pump self-priming up to 4ft (1.2m) vertical lift
- May be installed 3ft (1m) below waterline
- Complies with USCG 183.410 and ISO 8846 MARINE (Ignition Protection)

ORDER NO	Volt DC	Fuse Rating
37010-0092	12	25 Amp

Fitting: 5/8" – 3/4" (16-19mm) ID Inlet Hose, 1" or 1-1/2" (25-38mm) ID Outlet Hose

QUIET FLUSH CONVERSION KIT

Converts virtually any toilet to Quiet Flush quality.

ORDER NO.	Volt DC	Fuse Rating
37055-0092	12	25
37055-0094*	24	15
37255-0092	12	25
37255-0094*	24	15
90197-0000	Service Kit, Seal & Gasket	

Features:

- Very quiet flush cycle - like a household toilet
- Converts all Jabsco, Par manual toilets and early electric toilets to the new Quiet-Flush System
- Also converts Groco HC, HE & HF
- Raritan PH,Cricket, Compact & Crown
- Sealand (Mansfield) 750 to 752 series and all Wilcox Crittenden toilets
- Single button flush actuator - with dual function water level control switch
- Supplied with Par-Max 4 self-priming pump to provide sea water or lake water to rinse the toilet bowl
- High capacity waste macerator and bowl discharge pump
- 3-way control panel allows operator to select a normal flush and drain cycle or to lower or raise the water level
- 37255 Series are supplied with a remote mounted quiet running flush pump for use with salt, river or lake water. Complete with Pumpgard™ strainer.
- 37055 Series are supplied with a solenoid valve and syphon breaker assembly for connection to any existing pressurized pump of 3.5 gpm (13.5 lpm) or more.

Fitting: 3/4" (19mm) ID Inlet Hose, 1" (25mm) ID Outlet Hose.
Adapter included for connection to 1-1/2" (38mm) discharge hose.

NEW CONTOURED BASE

RUN-DRY MACERATOR PUMP

The latest version of the Macerator pump now has a fully sealed motor and a new more powerful chopper blade. The sealed motor consists of o-ring sealed endbells, sealed bearings and a hard durable powder coating to prevent corrosion occurring both internally and externally. A new four-bladed chopper has been added to further reduce the possibility of clogging.

Features:

The pump still has the Run-Dry feature present in previous models.

- Triple-sealed motor to prevent both internal and external motor corrosion
- New Four-bladed chopper reduces clogging
- Detects the absence of fluid then shuts-off pump before impeller is damaged
- Sensor provides adequate run-dry period to allow initial priming of the pump
- Interrupting power supply to the macerator resets the Run-Dry Device
- Flow rate to 12 gpm (45 lpm)
- Self-priming to 4ft (1.2m) vertical lift
- Complies with USCG 183.410 and ISO 8846 MARINE (Ignition Protection)

Specifications:

Fitting: Inlet Port: 1-1/2" (38mm) Hose Barb plus 1-1/2" NPT
Discharge Port: 1" (25mm) Hose Barb
Size: 11-3/8" (29cm) long x 4-3/4" (12cm) wide x 3-5/8" (9cm) high
Weight: 5 lb (2.3 kg)

Mfr. No. 18590-2092
ORDER NO. 18590-2092

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DELUXE FLUSH ELECTRIC TOILETS

You may install JABSCO Deluxe Flush electrically operated marine toilets in both power and sailing craft, either above or below the waterline, for use on sea, river, lake or canal.

Features:

- Space saving stylish design
- Regular household size seat
- Virtually silent operation for undisturbed sleep
- User selectable choice of "one touch" flush cycles for minimal water usage - a 'Quick Flush' uses less than 1 quart (1 litre)
- Owner selectable choice of leaving bowl wet or dry after use
- Fresh or raw water rinse order no.s
- Non-clogging large bore flush pump macerates waste
- ISO 8846 MARINE - Ignition Protection
- Crevice free contours for added cleanliness and hygiene
- All plumbing and wiring easily concealed
- Angled or Vertical back vitreous china bowl. Angled version gives minimal footprint and makes it easy to mount against a sloping surface or in a corner. Vertical version allows snug fitting against a vertical bulkhead.

Fitting: 3/4" (19mm) ID Inlet Hose, 1-1/2" ID (38mm) Outlet Hose

ORDER NO.	Bowl Type	Volt DC	Fuse Rating	Dimensions - In. (cm) Height	Width	Length
58080-1012	Vertical with solenoid valve	12	25 Amp	14-3/8 (36)	14-1/2 (37)	17-5/8 (45)
58060-1012	Angled with solenoid valve	12	25 Amp	14-3/8 (36)	14-1/2 (37)	17-5/8 (45)

QUIET FLUSH ELECTRIC TOILET

The Quiet Flush was designed to reduce noise levels when flushing. A three-way switch allows operation of the flush pump, the discharge pump or both, allowing the water level to be adjusted for user comfort. These toilets are available in regular or compact bowl sizes, and in two models: one has an intake pump for external water flushing, while the other has a special solenoid valve and siphon breaker to prevent contamination if the system is connected to a drinking water pressure pump.

With a quiet flush cycle similar to a household type toilet

Features:

- Very quiet flush cycle - like a household toilet
- Single button flush actuator - with dual function water level control switch
- Can be plumbed to any pressurized water system that can provide a 3-1/2 GPM (13.5 LPM) flow rate
- Water control solenoid valve with anti-siphon breaker to prevent contamination of potable water supply
- White vitreous china bowl available in compact or comfortable household size
- Baked enamel seat & cover
- High capacity waste macerator and bowl discharge pump

PAR-MAX 4 - 37245-Series

Specifications:

Port(s):	Inlet 3/4" Hose Barb
	Outlet 1" Hose Barb
Motor:	Meet USCG Regulation 183.410 and ISO 8846
Water Consumption:	1-2 quarts (Litres) per flush

ORDER NO.	Type	Bowl Size	Volt DC	Amp Draw	Fuse Rating	Dimensions - In. (cm) Height	Width	Length
37045-3092	QF214 with	Compact	12	10	25 Amp	13-3/4 (35)	13-1/2 (34.5)	16-1/2 (42)
37045-3094	QF214 valve	Compact	24	5	15 Amp	13-3/4 (35)	13-1/2 (34.5)	16-1/2 (42)
37045-4092	QF215 with	Household	12	10	25 Amp	14-1/2 (37)	14-1/2 (37)	19-3/4 (50)
37045-4094	QF215 valve	Household	24	5	15 Amp	14-1/2 (37)	14-1/2 (37)	19-3/4 (50)
37245-3092	QF314 with	Compact	12	10	25 Amp	13-3/4 (35)	13-1/2 (34.5)	16-1/2 (42)
37245-3094	QF314 pump	Compact	24	5	15 Amp	13-3/4 (35)	13-1/2 (34.5)	16-1/2 (42)
37245-4092	QF315 with	Household	12	10	25 Amp	14-1/2 (37)	14-1/2 (37)	19-3/4 (50)
37245-4094	QF315 pump	Household	24	5	15 Amp	14-1/2 (37)	14-1/2 (37)	19-3/4 (50)

JABSCO

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LITE FLUSH ELECTRIC TOILET - LIGHTWEIGHT CONTEMPORARY DESIGN

A new electric toilet designed to instantly retro-fit your existing Jabsco manual toilet or to give your bathroom a modern stylish look. The innovative design offers both low power and water consumption with an integral rinse and waste pump system. The 'Lite Flush' electric toilet features a simple foot switch. Just press down once to fill the bowl, and press again to flush.

Features and Benefits

- Lightweight and compact
- Stylish and contemporary design
- NEW quiet and efficient flush pump technology
- Low water usage - 1.2 litres (1.3 US Quarts) per flush
- Low power consumption
- Ceramic inner, plastic outer for light weight construction
- Rinse pump integrated into unit for compact design
- Slow close seat and lid

Dimensions: 13-1/2"L x 15-3/4"W x 14-3/4"H

CE

Simple Foot Switch Feature

The 'Lite Flush' electric toilet is available with either a footswitch or a control panel. The 'Lite Flush' has the same footprint, fixing points and hose attachments as Jabsco's existing manual toilet for ease of installation and a true retro-fit. For the footswitch variant, simply press down once to fill the bowl, and press again to flush. The Control Panel variant offers a multi-functional one touch' pad offering four options - 'fill', 'quick flush', 'flush', or 'empty'.

Dimensions: 14"L x 4-1/4"W

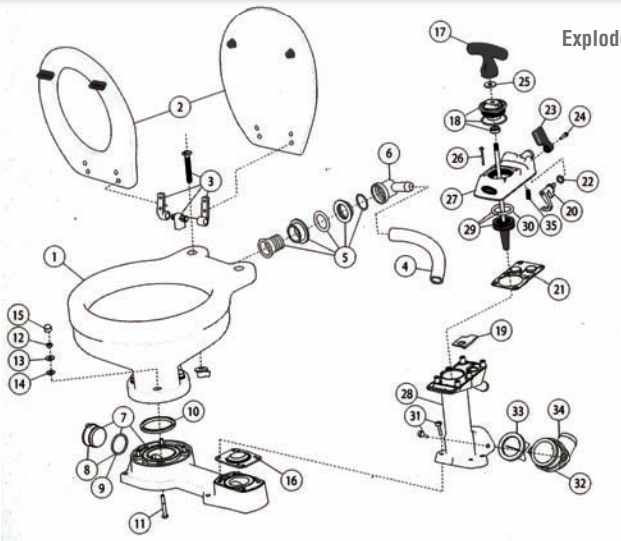
ORDER NO.	Description
58500-0012	Lite Flush Electric, 12V, Footswitch Variant
58500-1012	Lite Flush Electric, 12V, Control Panel Variant
58541-1000	Pulley & Belt Kit

For more information see: www.xylem.com

@ Have a Technical Question?

Contact our Technical Support Staff
email: techsupport@ccmarine.ca

SERVICE KITS & PARTS FOR TOILETS



Exploded View

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Spare Parts List - Jabsco Manual Toilets

29090 & 29120 Series (up to 1997)
29090 & 29120 Series (1998 to 2007)
3000 Series (2008 onwards)

Key	Description	Qty Per Toilet	ORDER NO.	Qty Per Repair Kit				
				A	B	C	D	E
1	BOWL COMPACT TOILET	1	N/A					
	BOWL REGULAR TOILET	1	29126-0000					
2	SEAT & COVER Note: 2018 models identified with Jabsco logo on top of bowl. COMPACT (all variants) REGULAR (pre 2018) REGULAR (2018 onwards) SOFT CLOSE (2018 onwards)	 1 1 1 1	 29097-1000 N/A 58104-1000 N/A					
3	HINGE SET (1 Pair) COMPACT (all variants) REGULAR (pre 2018) REGULAR (2018 onwards) SOFT CLOSE (2018 onwards)	 1 1 1 1	 N/A N/A 58105-1000 N/A					
4	HOSE COMPACT TOILET HOSE REGULAR TOILET	1 1	29035-1000 N/A					
5 6	INTAKE SEAL plus INTAKE ELBOW	1	58107-1000					
7	BASE, PLUG + O-RING ASSY	1	29041-1000					
8	PLUG + O-RING ASSY (up to 2002 - BAYONET) (from 2003 - BAYONET)	1	29028-1000 29028-2000					
9	O-RING (PLUG)	1	-					
10	O-RING (BOWL)	1	-					1
11	BOLT (S/S)	4	-					4
12	NUT (S/S)	4	-					4
13	WASHER (S/S)	4	-					4
14	WASHER (NYLON)	4	-					4
15	CAP	4	-	2				4
16	BASE VALVE GASKET	1	29043-0000	1	1		1	
17	HANDLE	1			1	1		
18	SEAL HOUSING ASSY (up to 1997) (1998 to 2007) (from 2008)	1	29044-0000 29044-2000 29044-3000	1	1	1		

Key	Description	Qty Per Toilet	ORDER NO.	Qty Per Repair Kit				
				A	B	C	D	E
19	TOP VALVE SEAT	1	-	1	1	1	1	
20	CAM	1	-		1	1		
21	TOP VALVE GASKET	1	29042-0000	1	1			
22	O-RING (FLUSH LEVER)	1	-	1	1	1		
23	FLUSH CONTROL LEVER	1	-		1	1		
24	SCREW FLUSH LEVER	1	-	1	1	1		
25	BUFFER	1	-	1	1			
26	SCREW (VALVE COVER)	6	-	1	6	6	1	
27	VALVE COVER	1	-		1	1		
28	PUMP CYLINDER	1	-		1		1	
29	PISTON, ROD & O-RING ASSY	1	29046-3000		1			
30	O-RING (PISTON)	1	-	1	1			
31	SCREW (PUMP CYLINDER)	6	-	1	3		3	
32	DISCHARGE FLANGE	1	29091-1000		1		1	
33	JOKER VALVE	1	29092-1000	1	1		1	
34	DISCHARGE ELBOW	1	29029-1000		1		1	
35	VALVE SPRING (only from1998)	1	-	1	1	1	1	

Repair Kits Available

Kit	ORDER NO.	Description
A	29045-0000	SERVICE KIT (up to 1997)
A	29045-2000	SERVICE KIT (from 1998 to 2007)
A	29045-3000	SERVICE KIT (from 2008)
B	29040-3000	PUMP ASSEMBLY
C	29094-3000	VALVE COVER ASSEMBLY
D	29051-2000	PUMP CYLINDER ASSEMBLY
E	29047-0000	BASE TO BOWL MOUNTING KIT

SPECIAL ORDER ITEM

JABSCO

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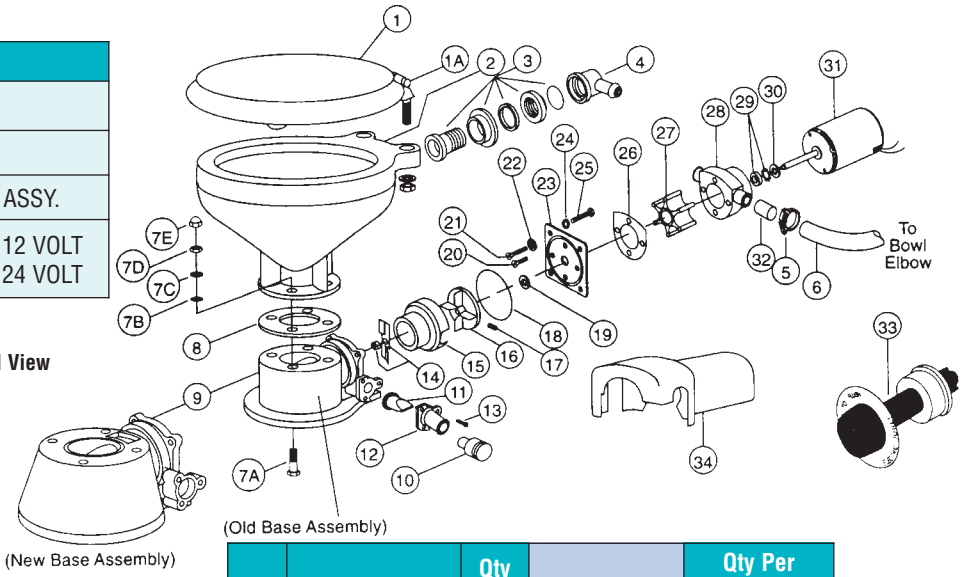
MODEL 37010 SERIES

Repair Kits Available		
Kit	ORDER NO.	Description
A	37040-0000	SERVICE KIT
B	37004-1000	BASE/DISCH. ELBOW ASSY.
C	37041-0010 37041-0011	MOTOR/PUMP ASSY. 12 VOLT MOTOR/PUMP ASSY. 24 VOLT

Exploded View



Key	Description	Qty Per Toilet	ORDER NO.	Qty Per Repair Kit	
				A	B
1	SEAT & COVER: COMPACT SIZE	1	29097-1000		
1A	HINGE SET (1 Pair) COMPACT TOILET REGULAR TOILET	1	N/A		
2	BOWL COMPACT SIZE BOWL REGULAR SIZE	1 1	N/A 29126-0000		
3 4	BOWL SPUD & INTAKE ELBOW & O-RING	1	58107-1000		
5	HOSE CLIP	1			
6	HOSE	1			1
7	BOWL INSTALL HARDWARE: 7A PHILIPS HEAD SCREW 7B WASHER, STARLOCK 7C HEX NUT (Two Places) 7D WASHER, PLASTIC 7E WASHER, S. STEEL 7F NUT CAP	1 4 4 4 4 8 4	18753-0637		1
8	O-RING BOWL/SEAL	1	44101-1000		
9	BASE ASSEMBLY	1	37004-1000		1
10	1"-1½" ADAPTOR	1	98023-0080		
11	JOKER VALVE	1	44106-1000	1	1
12	1" DISCHARGE PORT	1	44107-1000		1
13	SCREW	3	96050-0568		3

Key	Description	Qty Per Toilet	ORDER NO.	Qty Per Repair Kit		
				A	B	C
14	CHOPPER PLATE WITH LOCK NUT	1	37056-1000			1
15	MACERATOR HOUSING	1	37014-0000			1
16	CENTRIFUGAL IMPELLER	1	37006-0000			1
17	SET SCREW	1	91084-0320			1
18	O-RING	1	43990-0066	1		1
19	SEALING SLEEVE	1	N/A			1
20	SCREW	2	91009-0096			2
21	SCREW	2	91010-0130			2
22	WASHER, PLASTIC	2		2		2
23	WEARPLATE (w/Key #18 & 19)	1	37018-0000			1
24	LOCK WASHER #10, STAINLESS KIT	4				4
25	SCREW	4	91027-0011			4
26	GASKET	1	12558-0000	1		1
27	FLEXIBLE IMPELLER	1	06303-0003-P	1		1
28	BODY	1	12554-0000			1
29	SEAL & RETAINER	1	01040-0000	1		1
30	SLINGER	1	06342-0000			1
31	MOTOR - 12 VOLT MOTOR - 24 VOLT	1 1	37064-0000 37065-0000			1 1
32	ADAPTER	2	N/A			2
33	SWITCH & PLATE	1	37020-0000			1
34	MOTOR COVER	1	43990-0051			1
35	SCREW COVER (3 EA)	1	37003-1000			1

SPECIAL ORDER ITEM

For more information see: www.xylem.com

MARINE TOILETS

Features:
- Whisper quiet operation
- Self-priming pump
- Clean lines – pleasing to the eye
- Hygienic, easy-to-clean vitreous china bowl and exterior surfaces
- Plastic seat made of polypropylene
- Low water consumption (2-2.5 l/flush) makes the most of holding tank capacity
- Versatile plumbing connection options
- Automatic back-flow prevention
- Available in comfort or compact bowl sizes
- Designed for virtually any onboard mounting position
- May be installed above or below the waterline
- Suitable for OEM or replacement installation
- Corrosion resistant materials throughout
- Long service life
- Ergonomic pump handle for ease of use
- Pump can be mounted left or right of the toilet bowl
- Innovative brake bushing prevents annoying leakage at the handle

AquaT™ Manual
- Ergonomic pump handle for ease of use
- Pump can be mounted left or right of the toilet bowl
- Innovative brake bushing prevents annoying leakage at the handle

AquaT™ Silent Electric
- Equipped with 12V or 24V Aqua Jet pumps
- Includes two switch control panel for separate rinse & discharge
- Quick-connect hose or threaded connectors
- Complies with ISO 8846, ignition protection, & EN 55014 EMC

CE Johnson Pump®

AquaT™ MARINE TOILETS

The fine finish and well thought-through design of these toilets is remarkable. Made from white vitreous porcelain, and with corrosion resistant parts throughout, the Johnson Pump AquaT™ marine toilet, is quiet, robust and easy to clean.

The AquaT™ toilet will give you years of trouble free operation. The manual version incorporates an ergonomically designed, hand-powered piston pump that can be mounted for either left-hand or right-hand use. When spare parts such as a new seat or valve are needed, you'll find Johnson Pump's global network of distributors at your service. Quiet, hygienic and reliable, the Johnson Pump AquaT™ marine toilet is perfect for almost any marine toilet room.

AquaT™ Manual
Model No. 80-47229-01

AquaT™ Silent Electric
Model No. 80-47231-01

ORDER NO.	Mfr. No.	Description	Width	Height	Depth	Weight
108-47229	80-47229-01	Manual Compact	17.7" (450mm)	13.6" (345mm)	16.7" (425mm)	21 lbs.
108-47239	81-47239-01	AquaT Manual ***Conversion Kit***				
108-47231	80-47231-01	Silent Electric Compact, 12V	13.2" (335mm)	15.4" (390mm)	16.5" (420mm)	21 lbs
108-47231-03	80-47231-03	Silent Electric Compact, 12V **with Solenoid**	13.2" (335mm)	15.4" (390mm)	16.5" (420mm)	21 lbs
108-47232-03	80-47232-03	Silent Electric Comfort, 12V **with Solenoid**	14.4" (365mm)	15.2" (385mm)	19.3" (490mm)	24 lbs

AquaT™ SUPER COMPACT MARINE TOILETS

The smallest and lightest toilet in our AquaT™ range, designed for making a water toilet installation possible on board even smaller vessels, requiring less packaging space than ever before. CE

Features:
- Smallest and lightest in the AquaT™ marine toilet range
- Reversible pump mounting on manual model, left to right
- Soft close plastic seat on white vitreous porcelain
- All corrosion resistant and easy to maintain
- Available by manufacturer in two versions, manual & electric (12 & 24V)
- Clean lines – attractive design
- Hygenic, easy to clean
- Low water consumption, 2,51 / flush
- Versatile plumbing connection options
- Designed for virtually any onboard mounting position
- Built-in check valve
- May be installed above or below the waterline
- Suitable for OEM or replacement installation
- Corrosion resistant materials throughout
- Long service life
- Complies with ISO 8846, ignition protection, & EN 55014 EMC

ORDER NO.	Mfr. No.	Description	Width	Height	Depth	Weight
108-47625	80-47625-01	Super Compact Manual	18.1" (460 mm)	12.2" (310 mm)	16.1" (410 mm)	19 lbs.

For more information see: www.spxflow.com/johnson-pump-marine

960 SERIES SANIPOTTIE PORTABLE TOILETS - MSD

Convenience of Home, Anywhere you Travel

The 960 SERIES of convenient portable toilets have been long been relied upon by recreational boat users. Simple to use, and self-contained, these adult-sized toilets have a bellows style flush for a reassuringly clean rinse everytime.

964 MSD

Strong & Durable

With high-density polyethylene construction, SaniPottie 960 SERIES portable toilets have withstood the rugged demands of boaters and campers for more than 30 years. Their lightweight portability and easy-to-use features make them a camping favourite all over the world.

KEY BENEFITS

- High-density polyethylene construction withstands demanding conditions
- Easy-to-clean, scratch-resistant finish
- Secure-locking side latches
- Includes mounting brackets for secure installation to floor
- Includes MSD fittings

ORDER NO.	311-196406	311-196506
960 SERIES	**964 MSD**	**965 MSD**
Mfr. No.	311196406	311196506
Colour	Platinum	Platinum
Dimensions (H x W x D) (inches)	12" x 14.5" x 16.5"	15.5" x 14.5" x 16.5"
Seat Height	12"	15.5"
Freshwater Tank	2.6 Gal. (9.8 Litre)	2.6 Gal. (9.8 Litre)
Waste Tank	2.5 Gal. (9.5 Litre)	5.0 Gal. (18.9 Litre)
Handle	Manual	Manual
Product Weight (lbs.)	12	14

965 MSD

970 SERIES SANIPOTTIE PORTABLE TOILETS - MSD

Convenience of Home, Anywhere you Travel

Dometic SaniPottie 970 SERIES portable toilets offer you the lightweight, easy-cleaning advantages of high-strength ABS construction to deliver years of outstanding performance and lasting beauty. It's the perfect traveling companion for campers and boaters.

974 MSD

KEY BENEFITS

- High-strength ABS construction withstands harsh environments; smooth, easy-to-clean finish
- Prismatic tank level indicator allows easy tank level monitoring
- Push-button flush clears bowl instantly
- Includes mounting brackets for secure installation to floor
- Includes MSD fittings
- Full-size seat for comfort; latching lid for security

ORDER NO.	301-197406	301-197506
970 SERIES	**974 MSD**	**975 MSD**
Mfr. No.	301197406	301197506
Colour	Grey	Grey
Dimensions (H x W x D) (inches)	12.5" x 13.8" x 15-1/4"	15-1/4" x 13.8" x 15-1/4"
Seat Height	12.5"	15.25"
Freshwater Tank	2.3 Gal. (8.7 Litre)	2.3 Gal. (8.7 Litre)
Waste Tank	2.6 Gal. (9.8 Litre)	5.0 Gal. (18.9 Litre)
Handle	Manual	Manual
Product Weight (lbs.)	12	14

975 MSD

For more information see: www.dometic.com

DOCK EDGE®

PORTABLE TOILETS

- 2-Section Portable Flush Toilets
- Strong, Durable Construction
- 90˚ Rotating / Positionable Pump-out Fitting
- Bi-Directional Piston Pump Rinse
- Grey in Colour
- Waste Level Indicator
- Large Fresh Water Capacity
- Leak & Odour Proof Seal
- Hold Down Brackets Included

visa MARINE

Visa Marine 308MSD 8L

- 10L (2.6 Gal.) fresh water reservoir
- 8L (2.1 Gal.) holding tank
- Measures:
  31cm (12.2")H x 35cm (13.7")W x 37cm (14.6")D

ORDER NO. 441-30800
Mfr. No. DEF308

NEW!

Liquid Gold Deodorizer Chemicals: *See Page 854*

Visa Marine 319MSD 18L

- 10L (2.6 Gal.) fresh water reservoir
- 18L (4.8 Gal.) holding tank
- Measures:
  42cm (16.5")H x 35cm (13.7")W x 37cm (14.6")D

ORDER NO. 441-31900
Mfr. No. DEF319

NEW!

THETFORD Corporation

MSD PORTA POTTI® 335

Industry-Leading Performance

Design

- Replaces Porta Potti 260P MSD
- Modern appearance
- Ergonomic carrying handle
- Standard lid latch
- Durable, easy to use and easy to clean
- Removable seat & cover for easy cleaning
- Colour: White/Grey

NEW!

Functionality

- Exclusive, rotating pour-out spout
- Piston pump flush
- Sealed valve keeps odours in holding tank
- Easy-to-read Level Indicator tells when it's time to empty (available with piston flush only)
- Deodorant sample included
- 3-year warranty
- Accommodates both straight & 90˚ discharge in one fitting *(See Part No. 905-40158 BELOW)*

905-40158

MODEL NOS. 550P MSD PORTA POTTI®

Designed to Make Dockside Pumpout a Breeze

550P MSD

- Replaces Porta Potti 365 & 735 MSD
- Refreshed, modern appearance
- Cleaner seat and cover design
- More ergonomical carrying handle
- Lid latch now standard
- Redesigned valve handle, fill cap & pump
- Durable, easy to use and easy to clean
- Exclusive, rotating pour-out spout
- Deodorant sample included
- Bellows or piston pump flush
- Removable seat and cover for easy cleaning
- Sealed valve keeps odours in holding tank
- Easy-to-read Level Indicator tells when it's time to empty (available with piston flush only)
- Hold down kit secures toilet to deck
- 1-year warranty

Please Note: Includes Pump Out Kit: Mfr. No. 92925

ORDER NO.	Model No.	Mfr. No.	Length	Width	Height	Average Flushes	Flush Type	Fresh Water Tank Capacity	Waste Tank Capacity
905-92828	335	92828	15" (38cm)	13.5" (34cm)	12.2" (31cm)	27	Piston	2.6 gal (10 L)	2.6 gal (10 L)
905-40158		40158	*NEW Redesigned* MSD Pump Out Fitting *(Note: Must be ordered with MSD 2.6 Gal. Model 335 Porta Potti®)*						
905-92856	550 MSD	92856	16.5" (41.9cm)	15" (38cm)	16.5" (41.9cm)	56	Piston	4.0 gal (15 L)	5.5 gal (21 L)

For more information see: www.thetford.com

PORTA POTTI® CURVE 565E PORTABLE RV/COTTAGE TOILET - NON MARINE USE

Durable, easy to use and to clean.

- Replaces Porta Potti 550E Curve
- Battery-powered electric flush
- Sleek, modern and homelike design
- Comfortable seat height
- Large bowl size
- User-friendly flush lever
- Hidden controls
- Tank level indicator for fresh water and waste tanks
- Integrated tissue holder

Note: *Do not use stiff brushes or homemade products to clean or lubricate the valve & seal, as these will damage the seals & surfaces, causing odours to escape from holding tanks. Thetford recommends using Aqua-Clean & toilet seal lubricants.*

Non Marine Use
For RV & Cottage Use

Height: 17.83"
Width: 15.75"
Depth: 18.39"

Flushing System: Piston
Average Flushes: 56
Waste-Holding Tank Level Indicator: Yes
Waste-Holding Tank Capacity: 5.5 Gal. / 21 Litre
Flush-Water Tank Level Indicator: Yes
Flush-Water Tank Capacity: 4.0 Gal. / 15 Litre
Carton Weight: 13.45 lbs.

ORDER NO. 905-92306
Mfr. No. 92306

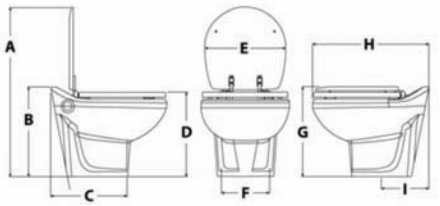
TECMA® EASYFIT™ ECO

Permanent Marine Toilet

Exquisite China, Electric Flush
From the experts in macerating toilets, EasyFit™ Eco utilizes Turbine Technology to produce a powerful, clog-resistant flush.

- 12 Volt
- 6' of vertical lift for installation flexibility
- Eco-friendly – saves water and money
- Space-saving design
- Ultra quiet
- Comfortable wood seats
- Limited 2-Year Warranty
- Attractive, contemporary styling
- Leaves a clean, dry bowl after every powerful flush
- Simple switch – add water (press up) and flush (press down)

Dimensions:
Low Profile
A 27" : 68.6 cm
B 14.3" : 36.3 cm
C 12.3" : 31.2 cm
D 13.5" : 34.3 cm
E 13" : 33 cm
F 7.8" : 19.9 cm
G 14.3" : 36.3 cm
H 18.7" : 47.5 cm
I 7.6" : 19.3 cm



Weight: 19.5 kg. / 43.0 lbs
Water Usage: 0.5 - 2 L / 0.1 - 0.5 gal per flush
Colour: White
Seal & Cover: Thermosetting soft closing
Outlet Pump: MAC 11 12Volt
Inlet device: Solenoid
Control Panel: Eco rocker switch
Waste-Holding Tank Capacity: 5.5 Gal. / 21 Litre
Bidet: No bidet
Feature: Small footprint, compact, silent flush, low consumption
Weight: 12.5 lb. / 5.7kg

ORDER NO. 905-38486
Mfr. No. 38486

REPAIR KIT

For Marine Toilet Model #38486

ORDER NO.	Mfr. No.	Description
905-38670	38670	12 Volt Repair Kit - Eco Solenoid, Wire Harness & Wall Switch

MARINE TOILET ACCESSORIES

JABSCO
a xylem brand

DIAPHRAGM WASTE PUMP

New model passes solids and is particularly effective in emptying holding tanks.
The multi-positional pump head offers a variety of installation options.

- 5 Gpm (19 lpm) output
- Self-priming up to 10ft (3m)
- Capable of extensive dry running
- Compact and simple design
- Quiet running
- Flexible Installation
- Corrosion resistant parts
- Complies with USCG 183.410 and ISO 8846 MARINE (Ignition protection)
- ISO 8849 MARINE (Bilge Pump Standard)

Specifications:
Fitting: Connections for 1-1/2" (38mm) ID hose
Size: 10.9" (27.7cm) long x 6.1" (15.5cm) wide x 4.4" (11.1cm) high
Weight: 6lb (2.7kg)

ORDER NO.	Mfr. No.	Description
50890-1000	50890-1000	12 Volt DC, Fuse 10 Amp
50890-1100	50890-1100	24 Volt DC, Fuse 5 Amp

Y-VALVE

Robust Y-valve for use in toilet applications. Allows waste to be pumped into a holding tank.

- Rotating ports allow for variable routing of hoses onto the valve
- Can be operated through bulkhead by use of optional handle
- Can be padlocked so that waste can only go to the holding tank to comply with some local regulations (Padlock not included)
- Waste and corrosion resistant construction throughout

Fitting: Connnection for both 1-1/2" (38mm) ports and 1" (25mm) inlet port
ORDER NO. 45490-1000

Padlock not included

INLET NON-RETURN VALVE

A check valve gives quicker and easier flushing response on many manual and 37010-Series electric toilet installations.

- For use with manual and electric toilets using sea water flush
- Simply fit in inlet suction hose, near seacock but just above waterline
- Prevents loss of prime above waterline installations
- Retains water in bowl of 37010-Series electric toilets installed above waterline

Fitting: Connections for 3/4" (19mm) ID hose.
ORDER NO. 29295-1011

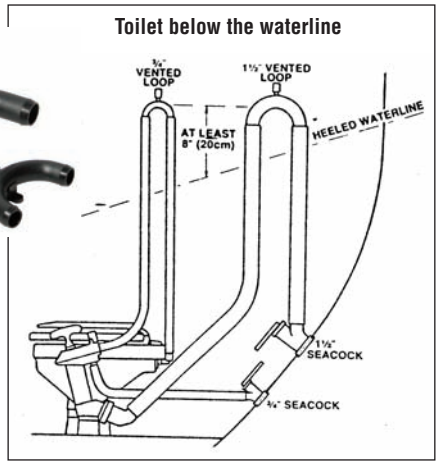
VENTED LOOPS

An essential safety component on all inlet and discharge plumbing of toilets installed below the static or heeled waterline.

- Simple valve system ensures water cannot siphon over plumbing loops
- Available in 3 sizes for 1-1/2" (38mm), 1" (25mm) and 3/4" (19mm) ID hose
- Internal valve avoids the need for external venting
- Molded in tough, corrosion proof plastic

29015-Series

Toilet below the waterline



ORDER NO.	Hose Size	Height	Width	Depth
29015-0000	3/4" (19mm)	3" (75mm)	3-3/4" (95mm)	1" (25mm)
29015-0010	1-1/2" (38mm)	5" (125mm)	7-1/4" (185mm)	2" (50mm)
29015-0020	1" (25mm)	5" (125mm)	7-1/2" (190mm)	1-3/4" (45mm)

TOILET PUMPGARD™

The Pumpgard™ protects manual or electric toilets from pump malfunctions caused by debris.

- Simply installed in 3/4" (19mm) ID inlet hose
- Transparent housing allows instant inspection
- Screw off top allows quick in place cleaning and removal of debris

ORDER NO.	Description
46400-0000	Toilet Pumpgard™

GULPER® TOILET PUMP

For Holding Tank Electric Pump Out / Discharge

No clog, no filter waste pump on more than a decade of market leading pump technology

Pumps un-macerated Toilet Waste with Ease

- Runs dry without damage
- Up to 18 liters (4.75 US gal) per minute
- Virtually unblockable
- Rotatable inlet & outlet - allows you to install in awkward locations
- Self priming up to 3 m (9.8 ft.) - mount the pump in the most convenient part of boat
- Pumps a mixture of air & waste
- Easy to maintain
- Rubber mounting feet - absorb vibration
- High spec protected motor
- Easy release clamp ring to rotate pump head
- Reliability - non choke valves to easily manage unmacerated waste, no moving parts to clog
- Head rotates 360° to best suit your installation
- Extra large ports 1-1/2" (38 mm) for consistent flow
- Ideal for holding tanks & vacuum systems
- CE marked
- Ignition protection ISO8846

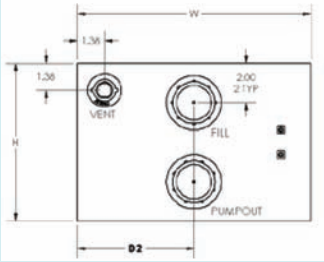
Hot & Cold Mixer	Gulper® Toilet Pump
ORDER NO.	**897-25520**
Mfr. No.	BP2552B
Voltage	12V dc
Recommended Fuse Size	10 amps automotive
Weight	2.12 kg (4.75 lbs.)
Hose Connections	38 mm (1-1/2")
Minimum Wire Size	1.5 mm^2 (16 AWG)
Materials	Pump Body: Aluminum, Glass-filled nylon, Clamp Ring: Acetal Diaphragm: Santoprene®, Valves: Nitrile, Gearwheel: Bronze Feet: EPDM, Fasteners: Stainless Steel, Brass
Service Kit	AK1557
Materials in Contact w/ Fluid	Glass-filled Nylon, Santoprene®, Nitrile
Max. Suction Lift	3 m (10 ft.)
Max. Discharge Head	3 m (10 ft.)
Max. Suction Lift & Discharge Head (combined)	3 m (10 ft.)
Dry Running Current	5.5 amps
Performance Data	
Suction Lift	0 m (0 ft.)
Discharge Head	1 m (3 ft.)
Flow Rate per Minute	17.5 liters (4.6 US gals)
Current Draw	6.5 amps (12 V dc) 3.25 amps (24 V dc)

Note: It is important to ensure that a syphon break is fitted, where discharge is below the water line.

Service Kits for Mark V - Manual Sanitation Pump

ORDER NO.	Mfr. No.	Description
897–80600-RT	AK8060	Service Kit

For more information see:
www.whalepumps.com



MOELLER WASTE TANKS

Each tank features a nominal wall thickness of 0.30 in. (7.6 mm) to control odor which would otherwise permeate through the walls. NPT openings for vent, fill, and pumpout are standard.
Refer to the diagram on the right. The position of the vent is the same for all waste tanks. The fill and pumpout position (dimension D2) varies for each tank, and is provided with the tank dimensions below.

Federal Regulation 33CFR159, which incorporates EPA standards for water pollution control, governs the design, construction, and certification of marine sanitation systems. Boat owners and operators are responsible for making sure that each sanitation device complies with the requirements of 33CFR159.
All Moeller waste tanks meet the material and pressure specifications for sanitation tanks as called out in the federal regulations.

*21CFR177.1620 Code of Federal Regulations TITLE 21 FDA Subchapter B,
"Food for Human Consumption, Indirect Food Additives--Polymers"

ORDER NO.	Mfr. No.	Capacity	Dimensions	A DIM.
615-41209	041209	34 Litre 9 Gal.	432mmL x 349mmW x 260mmH 17"L x 13.75"W x 10.25"H	175mm 6.88"
615-41215	041215	45 Litre 12 Gal.	616mmL x 387mmW x 222mmH 24.25"L x 15.25"W x 8.75"H	194mm 7.63"
615-41220	041220	76 Litre 20 Gal.	533mmL x 432mmW x 356mmH 21"L x 17"W x 14"H	216mm 8.5"
615-41225	041225	95 Litre 25 Gal.	749mmL x 422mmW x 324mmH 29.5"L x 16.63"W x 12.75" H	211mm 8.31"

COMBO WATER/WASTE TANK ADAPTER KITS

STRAIGHT PIPE-TO-HOSE KIT

Contains parts required to attach hoses to tanks:
(2) 1/2" NPT; 1/2" Barb
(2) 1-1/2" NPT; 1-1/2" Barb
(1) 1-1/2" MNPT; 1/2" FNPT Reducer
Teflon Tape.

Mfr. No. 041311
ORDER NO. 615-41311

90° PIPE-TO-HOSE KIT

Contains parts required to attach hoses to tanks:
(2) 1/2" NPT; 1/2" Barb
(2) 1-1/2" NPT; 1-1/2" Barb
(1) 1-1/2" MNPT; 1/2" FNPT Reducer
Teflon Tape.

Mfr. No. 041390
ORDER NO 615-41390

BUCK ALGONQUIN
Marine Hardware • Since 1955

00VL75

00VL150

VENTED LOOPS
- Cast Bronze

Used in discharge line when toilet is set considerably below water line. Has automatic air vent to prevent back syphoning.

ORDER NO.	Mfr. No.	Hose Size	Overall Height	Width
504-00075	00VL75	3/4"	2-1/2"	2-1/4"
504-00150	00VL150	1-1/2"	6-1/4"	7"

For more information see: www.buckalgonquin.com

The Bosworth Company

Bosworth SEA-LECT®

VENTED LOOP

Install in discharge line of treatment systems to prevent back-syphoning in marine sanitation device. Works like a sink trap because it prevents waste in holding tank from syphoning back into the head. Design provides easy mounting.

Mfr. No. A-12002
ORDER NO. 438-00300

For more information see: www.thebosworthco.biz

AquaMAX® HOLDING TANK TREATMENT
Advanced Action

- Formaldehyde free
- Bronopol free
- Triple enzyme formula neutralizes odours & accelerates the digestion of organic materials in waste
- Breaks down waste to prevent clumping, clogging & tank residue
- Enzymes optimized for maximum performance
- Beneficial probiotics; good bacteria
- Tested safe for all RV & marine toilets, holding tanks & septic systems
- Campground & marina friendly
- Compliant with all current regulations
- Convenient family of options; liquids, dry granules & Toss-Ins®
- Spring showers scent

NEW!

ORDER NO.	Mfr. No.	Description
905-96631	96631	AquaMAX® Toss-In 1.5 oz., 16 Pack
905-96633	96633	AquaMAX® Dry Pack 2oz., 8 Pack
905-96634	96634	AquaMAX® Liquid 8 oz., 6 Pack
905-96635	96635	AquaMAX® Liquid 32 oz.
905-96636	96636	AquaMAX® Liquid 64 oz.

THETFORD Marine

905-96634

905-96635

905-96636

905-96631

905-96633

AquaBIO™ HOLDING TANK TREATMENT

- Quick-acting RV/Marine holding tank treatment
- NO Formaldehyde & NO Bronopol
- Odour eliminator & waste digester
- Campground & marina friendly
- Safe for all holding tanks & septics
- Fresh citrus scent

NEW!

ORDER NO.	Mfr. No.	Description
905-96590	96590	AquaBIO™ Toss-In 1.5 oz., 16 Pack
		One 1.5 oz. packet treats a 40 gallon holding tank
905-96607	96607	AquaBIO™ Liquid 32 oz.
		8 oz. treats a 40 gallon holding tank
905-96610	96610	AquaBIO™ Liquid 64 oz.
		8 z. treats a 40 gallon holding tank

905-96590

905-96607

905-96610

For more information see: www.thetford.com

HEAD-O-MATIC WATER TANK TREAT

Add to drinking water reservoir to keep drinking water fresh. Also flush tank with Water Tank Treat at the beginning of every season.
250 ml treats 50 gallons.
Eco Rated

ORDER NO. 791-40861
Size 250 mL

HEAD-O-MATIC HEAD-O-LUBE

Lubricates marine head pumping mechanism, shafts and bearings for trouble free operation and longer life. Food Grade can be used on freshwater pumps. Use a couple of times a season and always before storage.
Eco Rated

ORDER NO. 791-40851 Size 225 mL

HEAD-O-MATIC SHOCK TREAT

Descales holding tank eliminating waste build-up on the walls and ceiling. Instant whistle clean treatment. Cleans sensors. For use at the beginning and end of each season or when malodour conditions are present. "We save marriages with this product".
Eco Rated

ORDER NO. 791-40251
Size 900 mL

HEAD-O-MATIC BLUE GRANULAR

Non-staining granular formula developed for Air Canada and used commercially to maintain odour control and break down waste. Contains lubricant to keep valves and pumps operating efficiently. Unique quaternary formula with added synergist gives long term odour control.
Eco Rated

ORDER NO. 791-40701
Size 400 gr
ORDER NO. 791-40821
Size 1500 gr
ORDER NO. 791-40801
Size 3.6 Kg

791-40701

HEAD-O-MATIC FRESH TANK

Drinking water reservoir freshener. This free rinse, no after taste product instantly freshens drinking water reservoirs and rinses out slime build-up. Use every 4 - 6 weeks or as necessary.
Eco Rated

ORDER NO. 791-40311
Size 1 kg

HEAD-O-MATIC CONCENTRATED HOLDING TANK DEODORANT LIQUID

Colourless and Odourless holding tank deodorant. High strength, proven product has unique ingredients not found in any other deodorant. This biodegradable formula breaks down waste and cleans sensors.
Eco Rated

ORDER NO. 791-40201
Size 900 ml

ULTRA HEAD-O-MATIC CLEAR CONCENTRATED ODOUR CONTROL

- Eliminates odour
- No dye
- No perfume
- Effective cleaning action
- Non formaldehyde

"We save marriages with this product".

ORDER NO. 791-40011
Size 900 ml

For more information see:
www.alexmilne.com

Captain PHAB

CAN-AD™ HOLDING TANK TREATMENT - Septic Safe

- Speeds up the natural process of "good" aerobic bacterial action
- Completely eliminates tank odors without killing the natural biological process and without masking odors with perfumes
- Breaks down waste and tissue, lubricates valves, prevents clogging
- Applications include holding tanks, gray water tanks and septic tanks

ORDER NO.	Mfr. No.	Size
706-03671	367	1 L
706-03681	368	4 L

HOLDING TANK TREATMENT - Septic Safe 100% Biodegradable

- Quick Dissolving, Prevents Clogging
- Fragrance Free and Non-Staining
- Lubricates Valves
- Breaks down Waste/Tissues
- 1 Disolv-a-Pack treats 40 gallon holding tank

ORDER NO.	Mfr. No.	Size
706-03651	365	500 g Add-a -Scoop

ADVANCED ENZYME HOLDING TANK TREATMENT - MARINE & RV

x4

- Digests all organic wastes (Human, kitchen, toilet paper, urine, proteins, cellulose (tissue), kitchen waste & liquifies solid waste to keep it pumpable)
- Up to 28 plus treatments per bottle
- Septic safe, non toxic
- Decomposes & biodegrades waste into odourless by-products
- Food grade, non staining vegetable based green dye colour. **Applications:** Black water holding tanks, gray water tanks & septic tanks

ORDER NO.	Mfr. No.	Size
706-03601	360	1 L
706-03621	362	1 L

Natural Green Food Colour
Colourless

HOLDING TANK CLEANER & SHOCK ADDITIVE

- Deodorizing cleanser. Cleans & treats the ENTIRE sanitary system. Permanent or long lasting relief from odors is assured. Septic compatible. Biodegradeable.

ORDER NO.	Mfr. No.	Size
706-03691	369	1 L

For more information see: www.captainphab.com

CONCENTRATED HOLDING TANK TREATMENT

- Eliminates odours, breaks down waste
- Cleans tanks and sensors
- Does not stain
- 100% Biodegradable, environmentally friendly, septic safe

ORDER NO.	Mfr. No.	Size
706-03661	366	120 ml (6 oz.)

INSTANT HOLDING TANK DEODORIZER AND TREATMENT - Powder

- Unique dry mix neutralizes odors instantly.
- The all natural ingredients liquefy waste for easier pumping/dumping.
- Ingredients are edible - 100% safe around children & pets.
- Aids and boosts biological action in septic tanks & systems.
- Non-staining - odorless
  - accurate measuring scoop
  - reusable containers.

ORDER NO.	Mfr. No.	Size
706-03631	363	150 g
706-03641	364	450 g

DRINKING WATER FRESHENER

- For potable water storage tanks.
- Makes stored water taste sparkling fresh and clean.
- Completely gets rid of musty, moldy, plastic & anti-freeze tastes.
- Leaves no detectable after taste, no chlorine.
- Controls build up of odor and slime forming bacteria.
- To be used in both hot and cold water systems using plastic, fiberglass or metal tanks.

ORDER NO.	Mfr. No.	Size
706-06411	641	225 g

DRINKING WATER STABILIZER

- Facilitates and helps to prolong the storage life of potable water
- Odourless and tasteless, keeps water fresh tasting

ORDER NO.	Mfr. No.	Size
706-06421	642	237 ml

For more information see: www.starbrite.com

Star brite®

INSTANT FRESH TOILET TREATMENT

- The safe and easy way to control holding tank odors
- Non-staining
- Non-formaldehyde, biodegradable formula allows pump out at any dumping station
- Latest technological lubricants keep drain valves from sticking
- Breaks down waste quickly and efficiently
- One ounce treats 5 gallons

ORDER NO. 407-17161
16 **oz.** Lemon Grove
ORDER NO. 407-17321
32 oz. Lemon Grove

DOCK EDGE®

LIQUID GOLD DEODORIZERS

- Effective odour control
- Non-toxic
- Thicker formula for drip-free usage
- Non-staining
- Easy & economical to use

NEW!

ORDER NO.	Mfr. No.	Description	Size
441-50060	DEFL5006B	Liquid Gold Deodorizer	494 ml, (16.7 oz.)
441-10006-984	DEFL10006B	Liquid Gold Deodorizer	984 ml (33.26 oz.)
441-20060	DEFL2006EFS	Liquid Gold Deodorizer	2 Litre (67.63 oz.)
441-50060-454	DEFP5006B	Liquid Gold Deodorizer	500 gm (16 oz.)
441-10006	DEFC10006B	Liquid Gold Deodorizer	1 Litre (33.8 oz.)
441-00440B	DEFS440B	Liquid Gold Quick Packs, 10 pk	440 gr (15.5 oz.)

For more information see: www.dockedge.com

PURGE TANK CLEANSER

- For potable water storage tanks in all marine and RV applications
- Completely REMOVES organic slime from fresh water tanks the source of recurring bad tastes.
- Ensures good tasting water, ice cubes and beverages.
- No after taste whatsoever.
- Eliminates "rotten egg" smell from hot water heaters.
- Quick spot deodorizing of gray and black water tanks.
- Very effective on a wide variety of stains and odors.

ORDER NO.	Mfr. No.	Size
706-02281	228	450g

SALT SHIELD WATER BASED SALT REMOVER & CORROSION PREVENTER

Captain PHAB

- Salt Shield contains actives that dissolve, release and remove salt crystals from any surface
- Use for hosing down entire boat & or mechanical parts exposed to salt environments
- Highly effective corrosion inhibitors leave a protective film on surface until surfaces are again exposed to water
- Will not strip wax or cause streaks or spots
- Eliminates residual corrosion of salt caused by humidity, temperature fluctuations and storage
- Protects aluminum, copper, brass, and mild steel
- Concentrated, can be diluted up to 12 parts water

ORDER NO.	Mfr. No.	Size
706-02801	280	4 L
706-02810	281	20 L

For more information see: www.captainphab.com

MARINE DESCALING FLUID

Starbrite®

- Safely & quickly busts through scale, salt, & calcium deposits in raw water-cooled systems, maximizing power at a fraction of the cost of similar products
- Dissolve calcium & marine deposits, blast away scale & build-up in pipes, clean AC, engine, & generator systems
- Can remedy unseen overheating issues
- Won't damage seals, gaskets, or rubber impellers

NEW!

ORDER NO.	Mfr. No.	Size	Description
408-39000	083900	3.78L	Concentrate Formula
408-40001	084000	3.78 L	Ready- To-Use Formula

For more information see: www.starbrite.com

NEW!

TASTEPURE DRINKING WATER FRESHENER - 16 OZ.

TastePURE Drinking water freshener helps to eliminate algae & slime from your drinking tank.
Just (1) oz. for every 20 gallons of water helps remove bad smells & tastes.
It keeps your stored fresh water tasting great & odour-free.

CAMCO

ORDER NO.	Mfr. No.	Size
668-40200	40200	16 oz. (473 ml) bottle

For more information see: www.camco.net

Star brite

MARINE & RV TOILET TISSUE

- Made from 100% recycled, non-bleached fibers
- Sheets break down quickly to help avoid clogs
- Ideal for use in all marine & RV toilets
- Packaged in a re-sealable, reusable watertight package

ORDER NO.	Mfr. No.	Description
407-18501	071850	**2 Ply**-500 Sheet/4 Pk

For more information see: www.starbrite.com

AQUA-SOFT® TOILET TISSUE

- Specially-made for RV and marine sanitation systems
- Luxurious **2-ply** tissue
- Prevents clogging by rapidly dissolving in holding tanks
- Soft, snowy white and highly absorbent
- 100% biodegradable
- Four 500-sheet rolls per pack

Mfr. No. 3300
ORDER NO. 905-03300

CAMCO

MARINE & RV TOILET TISSUE

- RV and Marine approved
- Fast-dissolving, clog-resistant toilet tissue
- Ultra soft
- Biodegradable and septic tank safe
- Contains no dyes or perfumes

ORDER NO.	Mfr. No.	Description
668-40274	40274	**2 Ply**-500 Sheet/4 Pk
668-40276	40276	**1 Ply**-500 Sheet/4 Pk

For more information see: www.camco.net

RV/MARINE TOILET TISSUE

- Specially-made for RV and marine sanitation systems
- Economical **1-ply** tissue
- Prevents clogging by rapidly dissolving in holding tanks
- 100% Biodegradable
- Four 350-sheet roll Value Pack

Mfr. No. 20804
ORDER NO. 905-20804

For more information see: www.thetford.com

PERKO® MADE IN THE USA

WASTE DECK PLATE

Chrome Plated Zinc with Black Plastic Cap. Complete with Key and O-Ring. Cap Has a Slot Between the Holes.
Hose Size: 1-1/2" O.D. Flange: 3-1/2"
Neck Length: 2-1/2" Screw Size: 8

621-12487

ORDER NO. 621-12690
ORDER NO. 621-12691 - Spare Cap with O-Ring
ORDER NO. 621-12487 - Spare Key
ORDER NO. 621-51308 - Spare O-Rings Only (2/bag)

WATER DECK PLATE

Chrome Plated Zinc with Black Plastic Cap. Complete with Key, O-Ring and Integral Retainer on Cap. Caps Have A Slot Between the Holes.
Hose Size: 1-1/2" O.D. Flange: 3-1/2"
Neck Length: 2-1/2" Screw Size: 8

621-12487

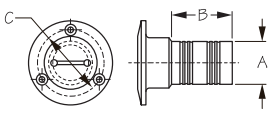
ORDER NO. 621-12703 - Water
ORDER NO. 621-12719 - Spare Water Cap w/ O-Ring & Retainer
ORDER NO. 621-12487 - Spare Key
ORDER NO. 621-51308 - Spare O-Rings Only (2/bag)

For more information see: www.perko.com

SEA-DOG LINE QUALITY MARINE GEAR

HOSE DECK FILL

Investment Cast
316 Stainless



ORDER NO.	Mfr. No	Body Marking	A	B	C	FASTENER
423-51322	351322-1	Water	1-1/2" Hose	3"	3"	#10FH
423-51323	351323-1	Waste	1-1/2" Hose	3"	3"	#10FH
423-51390	351390-1 Cap Only	Replacement				

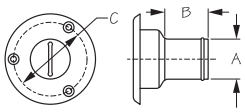
Cap threads are 1-1/4" - 11-1/2 NPSM - Straight. Water caps include attachment chains.

For more information see: www.sea-dog.com

Blue only

DECK FILL W/ SLOTTED CAP - WATER

Injection Molded Fiberglass
Nylon



A = 1-1/2" Hose
B = 2-1/2"
C = 3-3/8" Fastener: #10 FH
Mfr. No 357013-1
ORDER NO. 423-57013

OIL ABSORBENTS/SPILL KITS

BUFFALO INDUSTRIES
"Your partner for cleaning and maintenance products"

" Your partner for cleaning and maintenance products"

682-90400

682-92003

682-92004

682-90904

ORDER NO.	Mfr. No.	Description
OIL BILGE BOOM & SORBENTS OIL-ONLY PADS		
682-90400	90400	Oil-Only absorbs oil, fuel and hydraulic fluid. Absorbs 1.2 gallons of oil-based fluids. Ideal for bilges, sumps, drains. Will not absorb water. Small size - **15" x 5" Dia.**
682-90700	90700	Marine Oil-Only, Bonded Sorbent Meltblown Pads /5Pk Roll **15" x 18" Light Weight**
682-90904	90904	Oil-Only Meltblown Pads /100 case **15" x 18" Medium Weight**
682-91107	91107	Oil-Only - Recycled, Laminated, Bonded Pads /100 case **16" x 19" Heavy Weight**
QUICK-RESPONSE SPILL KITS		
682-92001	92001	Oil-Only 5 Gal. Economy/ Spill Kit - Bonded Pads, Zippered Storage Bag Contains 15 Medium-Weight, Bonded Pads, (3) 4' Socks, (1) Disposal Bag, (1) pair Nitrile Gloves, and Instructions. **Retail Packaging**
682-92021	92021	**20 Gallon Oil-Only** Poly-Overpack Spill Kits - Bonded Pads, Screw-on Lid Contains 25 Medium-Weight, Bonded Pads, (4) 4' Socks, (1) 10' Sock, (1) pair of Goggles, (2) Disposal bags, (2) pair of Nitrile Gloves, (1) Guidebook and Instructions.
682-92031	92031	**30 Gallon Oil-Only** Poly-Overpack Spill Kits - Bonded Pads, Screw-on Lid Contains 50 Medium-Weight, Bonded Pads, (4) 4' Socks, (2) 10' Sock, (1) pair of Goggles, (2) Disposal bags, (2) pair of Nitrile Gloves, (1) Guidebook and Instructions.
BOATER'S SPILL KIT		
682-92003	92003	**Oil-Only**, Zippered Storage Bag. Contains (15) 15" x 18" Heavy-Weight, Oil-Only, Bonded & Laminated, Recycled Polypropylene Pads, (3) 4' Recycled Polypropylene Containment Socks, (1) pair Nitrile Gloves, (1) Disposal Bag with Closure, Usage & Disposal Instructions. Kit absorbs up to 5 Gallons of oil-based liquids.

Johnson Pump

TALULAH BALLAST PUMPS

Ballast Pumps for Wake Sport Boats.

- **Built-in thermal overload protection w/ automatic reset**
- **Ideal for tank systems with overfill/empty monitoring**

TALULAH

BALLAST PUMP TALULAH 13.5 GPM

- 12V
- Built in Thermal Overheat Protection
- Amp Draw @ Pumping: 14A
- Amp Draw @ Reversal: Up to 18A
- Fuse: 25A
- Connection: External 1" standard hose
  Internal 1/2" NPT (female)
- Minimum Hose Size: 1" (Ø25.4 mm)
- Degree of Protection: IP 54, Electrical enclosure protected from water intrusion from any direction
- Standards: SAEJ1171 (motor and solenoids approved for use in engine compartment) Electrical safety of ISO8846 (protection against ignition of flammable gases)
- Replacement Run Dry Impeller, EZ reverse design (CC # 671-09824P-2) Mfr. No. (09-824P-2)

ORDER NO. 671-24690-18
Mfr. No. 10-24690-18

TALULAH HF

BALLAST PUMP TALULAH HIGH FLOW 30 GPM

- 12V - 13.6V for full capacity
- Built in Thermal Overheat Protection
- Amp Draw @ Pumping: 25A
- Amp Draw @ Reversal: Up to 45A
- Fuse: 50A
- Connection: External 1-1/2" NPTF
- Minimum Hose Size: 1-1/2" (Ø38 mm)
- Degree of Protection: IP 54
- Standards: SAEJ1171 (motor and solenoids approved for use in engine compartment) Electrical safety of ISO8846 (protection against ignition of flammable gases)
- Replacement Run Dry Impeller, EZ reverse design (CC # 671-09849P-2) Mfr. No. (09-849P-2)

ORDER NO. 671-24939-18
Mfr. No. 10-24939-18

POLARITY REVERSING SWITCH KIT

- Accessory for Ultra Ballast Pump (F4B-11)

ORDER NO. 094-71960 Mfr. No. 09-47196

For more information see; www.spxflow.com/johnson-pump-marine

JABSCO

a xylem brand

WAKEBOARD AND SKI BOAT BALLAST PUMPS

Designed to pump water into Wakeboard Liquid Ballast Tanks and when reversed will also pump water out of them.

BALLAST PUPPY - 9 GPM

- Adds approx 80 lbs. of ballast water per minute
- Reversible pump to both fill & empty ballast tanks
- Self-priming to 3 ft.
- Exclusive (Patent pending) Run-dry protection shuts off pump before impeller is damaged
- Complies with USCG 183.410 & ISO 8846 MARINE (Ignition Protection)
- **Replacement Impeller ORDER NO. 06303-0007-P (Green)**

Fittings:

Ports - 1/2" (13mm) NPT internal thread,
1" (25mm) External Hose Barb
Size: 7-1/8" (18cm)L
4-3/4" (12cm)W
3-5/8" (9 cm)H
Weight: 6 lbs. (2.7 kg)

ORDER NO. 18220-1127 Reversing Switch Included
ORDER NO. 06303-0007-P Replacement Impeller (Ballast Puppy)

BALLAST KING BRONZE DC FLEXIBLE IMPELLER PUMP - 15 GPM - 12 VDC

- Adds approx 125 lbs. of ballast water per minute
- Reversible pump to both fill & empty ballast tanks
- Self-priming to 4 ft.
- Exclusive (Patent pending) Run-dry protection shuts off pump before impeller is damaged
- Complies with USCG 183.410 & ISO 8846 MARINE (Ignition Protection)
- **Replacement Impeller ORDER NO. 23095-0007-P (Red) OR**
- **Replacement Impeller ORDER NO. 06303-0007-P (Green)**

Fittings:

Ports - 1/2" (13mm) NPT internal thread,
1" (25mm) External Hose Barb
Size: 9.3" (18cm)L
4-3/4" (12cm)W
3-5/8" (9 cm)H
Weight: 6.6 lbs. (3 kg)

ORDER NO. 22610-9007 Reversing Switch NOT INCLUDED
ORDER NO. 22610-9427 Deutsch Connector, NO REVERSING SWITCH
ORDER NO. 22610-9507 Reversing Switch INCLUDED

For more information see: www.xylem.com

rule a xylem brand

RULE LIVEWELL/BAITWELL PUMPS

Tournament Series™ Removable Motor Cartridge

- 12 Volt DC
- Discharge nozzle can be rotated 360˚ for optimal installation
- Pump housing can rotate 360˚ to allow positioning of the discharge outlet
- Quick one hand "push button" motor cartridge removal system
- Dual port fitting for optional washdown pump
- ISO 8846 (Ignition Protection)

ORDER NO.	Mfr. No.	Description	Outlet	Amp Draw	Fuse Size
777-04010	401C	500 GPH, Angled 4" Thru-Hull Fitting	3/4"	2.1 amp	2.5 amp
777-04011	401FC	500 GPH, Seacock Fitting	3/4"	2.1 amp	2.5 amp
777-04012	401STC	500 GPH, Straight 4-3/4" Thru-Hull Fitting	3/4"	2.1 amp	2.5 amp
777-04030	403C	800 GPH, Angled 4" Thru-Hull Fitting	3/4"	2.8 amp	5.0 amp
777-04031	403FC	800 GPH, Seacock Fitting	3/4"	2.8 amp	5.0 amp
777-04032	403STC	800 GPH, Straight 4-3/4" Thru-Hull Fitting	3/4"	2.8 amp	5.0 amp
777-04050	405C	1100 GPH, Angled 4" Thru-Hull Fitting	1-1/8"	3.3 amp	6.0 amp
777-04051	405FC	1100 GPH, Seacock Fitting	1-1/8"	3.3 amp	6.0 amp
777-04052	405STC	1100 GPH, Straight 4-3/4" Thru-Hull Fitting	1-1/8"	3.3 amp	6.0 amp

Model No.401C
Angled Thru-Hull Fitting

Model No.401FC
Seacock FittingTapered Thread

Model No.403STC
Straight Thru-Hull Fitting

1600 GPH TOURNAMENT SERIES

High Capacity Livewell Pump 1600 GPH, Single Port, Bronze Base & Dual Port, Nylon Base

Model No. 209B
Bronze Base

Model No. 209FDP
Dual Port

Model No. 209 FDP
Glass Filled Nylon Dual Port Base
Note : 1/2" Plug included for installations that do not include a Washdown Pump

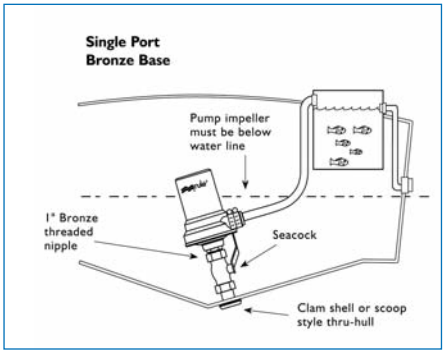
- **Silent Running & Vibrationless**
  Pumps will not scare the fish away!
- **1600 Gallons Per Hour**
  Highest capacity livewell pumps available
- **Heavy Duty Long Life Motors**
- **1" NPT Female Intake**
  Allows for high capacity
- **Dual Port Pump / Model 209FDP # 777-20902**
  Allows connection to washdown pump
- **Robust Bronze Base / Model 209B #777-20901**
- **Anti-Airlock**
  Designed to eliminate air locks

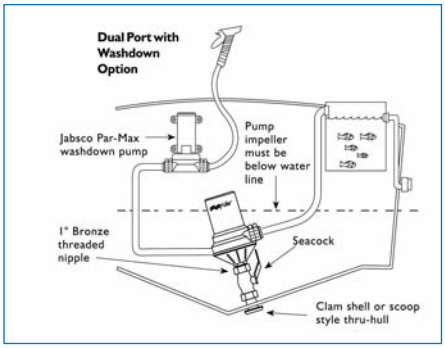
MODEL NO. 209B BRONZE BASE

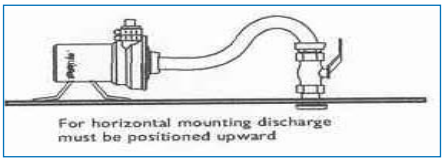
1" NPT Female intake • 1-1/8" Discharge
12 Volts - Amp Draw @ 13.6V
7.0 - Amp Draw @ 12.0V - 4.8
ORDER NO. 777-20901

MODEL NO. 209FDP DUAL PORT

1" NPT Female intake • 1/2" NPT
Female optional dual port connection
1-1/8" Discharge
12 Volts - Amp Draw @ 13.6V
7.0 - Amp Draw @ 12.0V - 4.8
ORDER NO. 777-20902







PERFORMANCE DATA

	GPH @ 0'	GPH @ 3.0'	GPH @ 6.0'
13.6 Volts	1600 GPH / 6056 LPH	1400 GPH / 5299 LPH	1200 GPH / 4542 LPH
12.0 Volts	1300 GPH / 4920 LPH	1100 GPH / 4163 LPH	900 GPH / 3406 LPH

- Designed to install directly into any valve or fitting with 1" NPT threads
- Pump must be installed below the water line

For more information see: www.xylem.com

OXYGENATOR SPRAY HEAD

Rule's Oxygenator Spray head sprays streams of water back into the livewell tank enriching the water with oxygen. Adjustable spray head allows you to increase or decrease flow of water.
For use with 3/4" (19mm) hose.

ORDER NO. 272-00078
Mfr. No. 78

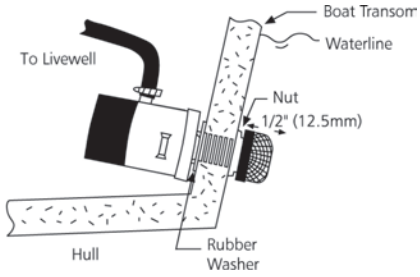
Model 78

LIVEWELL PUMP DEBRIS STRAINER

The Livewell Pump Debris Strainer attaches directly to any pickup tube on Rule Livewell Pumps. Filters out trash and debris which could clog pump. Stainless steel wire mesh, 3/4" (19mm) female NPSM threads.

ORDER NO. 272-00073
Mfr. No. 73

Model 73

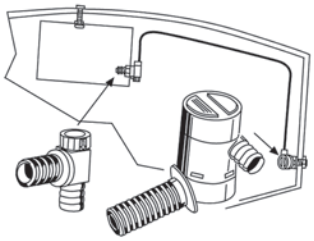


VARIABLE FLOW CONTROL VALVE

The Variable Flow Control Valve allows increases and decreases of flow from the pump with no damage at all to the pump. Range includes fully open flow to zero flow.

ORDER NO. 272-00075
Mfr. No. 75

Model 75



ORDER NO. 272-00200
Mfr. No. id20

HIGH SPEED INFLATOR/DEFLATOR

The Rule High Speed inflator/deflator inflates a typical 4 man dinghy in as little as one to two minutes. Adjustable nozzles have been included for most inflatables and valves types.

- 12 Volts, 25 amps, maximum 2.6psi, 20 CFM
- 10' (3m) cable length with battery clips
- Pre-lubricated and sealed bearings to ensure long life
- Robust fan drive belt for long life
- Adjustable nozzles for most inflatables and valve types included
- Grip pad for one handed operation

TSUNAMI® AERATOR PUMPS

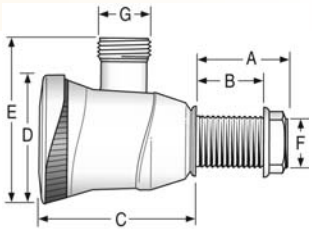
With their innovative engineering and compact design, Tsunami pumps deliver high output from a small package. We use the most advanced material available, including the best quality bearings and state-of-the-art brushes, alloys and magnets. Our patented shaft seal prevents leaks caused by misalignment and our caulked and tinned wiring eliminates wicking, prevents water damage and resists corrosion.

Three high-efficiency aerator pumps that move water at output capacities of 500 gph, 800 gph and 1200 gph.
With their innovative engineering and compact design, Tsunami pumps deliver high output from a small package.

Output & Performance:

- Move more water and oxygen into livewell tanks to keep fish active
- Cooler-running motors, premium materials, watertight seals and waterproof wiring
- Motor cartridge locks for secure placement
- Standard threaded outlets
- Unlocks for easy cleaning or motor replacement

Inlet lengths – 7/8", 1-1/2", 3-1/2"
Outlets: T1200 is 1-1/8" threaded T500 & T800 are ¾" threaded
Cartridges are replaceable and interchangeable between bilge and aerator pumps
3-Year WarrantyStandard threaded outlets
Unlocks for easy cleaning or motor replacement
Inlet lengths – 7/8", 1-1/2", 3-1/2"



Model No	A	B	C	D	E	F	G
T500	3-1/2" 1-1/2"	3" or 1"	3-1/4"	2-7/8"	3-5/8"	3/4" - 14 NPSM	3/4" - 14 NPSM
T800	3-1/2" 1-1/2"	3" or 1"	3-7/8"	3-1/4"	4"	3/4" - 14 NPSM	3/4" - 14 NPSM
T1200	3-1/2" 1-1/2"	3" or 1"	4"	3-1/4"	4-7/8"	1-3/8" - 12 UNF	1-3/8" - 12 UNF

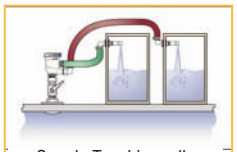
ORDER NO.	Mfr. No.	Model No.	GPH	Volts	Amp Draw @ 12V	Fuse Size	Hose Dia.	Repl. Cartridge
104-46400	4640-7	T500	500	12V	1.4	3 A	3/4" ID	**104-46200**
104-46500	4650-7	T800	800	12V	2.5	4 A	3/4" ID	**104-46220**
104-46600	4660-7	T1200	1200	12V	3.0	5 A	1-1/8"	**104-46240**

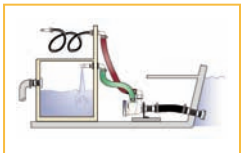
TSUNAMI® DUAL OUTLET AERATOR PUMPS

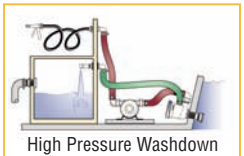
The advantage of the dual outlet is that you can feed multiple applications through a single thru-hull fitting. The Tsunami second outlet is integrated into the pressure chamber, so it looks – and pumps – like part of the aerator. Both of the pump's outlets are engineered for the precise position and angle that will deliver optimum performance.

Output & Performance:

- Get twice the value because the new dual outlet Tsunami Aerator is actually a multifunction pump
- Both outlets are engineered for the precise position and angle that will deliver optimum performance
- You get separate outlets for two livewells
- Run a livewell and a separate low-pressure washdown outlet
- 3-year Warranty

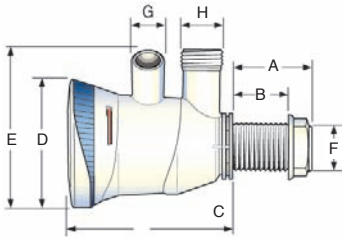

Supply Two Livewells


Rinse Hose plus Livewell


High Pressure Washdown plus Livewell

Model # 4670-7

Model # 4672-7



ORDER NO.	Mfr. No.	Inlet Length	Inlet Dia.	A	B	C	D	E	F	G	H
104-46727	4672-7	3-1/2"	3/4"	3-1/4"	3"	4-1/8"	4-1/4"	4"	3/4"-14 NPSM	3/4" Barbed.554" I.D.	3/4" -14NPSM .620" I.D.
104-46707	4670-7	3/4"	3/4"	1-1/4"	7/16"	4-1/8"	4-1/4"	4"	3/4"-14 NPT	3/4" Barbed.554" I.D.	3/4" -14NPSM .620" I.D.

attwood

TSUNAMI® RECIRQ AERATOR KIT

The Tsunami Recirq Kit recirculates livewell water to keep it cooler and rich in oxygen. This self-contained system feeds a separate aerator spray head and works even while you are underway and cannot use a thru-hull connection. Add this kit to any tank that already has a freshwater fill system. Or use as a backup pump for a fail-safe system.

Recirq Kit Includes:

- 500 GPH Tsunami aerator pump with short inlet, threaded outlet
- Aerator spray head
- Stainless steel strainer
- 2 plastic hose clamps
- 3/4" diameter 23" poly hose
- Straight thread-to-barb connector

ORDER NO. 104-42530
Mfr. No. 4253-7

LIVEWELL/BAITWELL FITTINGS

ADJUSTABLE AERATOR SPRAY HEAD

Use on livewells that have built-in overflows or recirculating systems. Mounts on side of tank. 90˚ fitting for installation in tight spaces. Rotating head with O-ring adjusts and maintains flow setting. Removable head has an " interference-fit thread design" that will not allow it to vibrate or blow out. Polypropylene construction. Can be installed on tanks with up to 5/8" wall thickness.

ORDER NO. 104-41250
Mfr. No. 4125-7

For more information see: www.attwoodmarine.com

SINGLE VALVE SPRAY HEAD

For use on livewells that have built-in overflows or recirculating systems. Single valve model. Multi-port spray maximizes oxygen level in the livewell. For output from an aerator pump into the livewell. Constructed of ABC plastic.

ORDER NO. 104-41181
Mfr. No. 4118A5

LIVEWELL ACCESSORIES

TH MARINE

THE OXYGENATOR™ BY T-H MARINE www.KeepFishAlive.com

PRO LIVEWELL FLUSH MOUNT OXYGENATOR™

The OXYGENATOR Pro Livewell Flush Mount is the best way to ensure your fish stays alive and make it to the weigh in.

The OXYGENATOR is much more efficient than the traditional aeration process which produces much lower oxygen levels. Using a patented process, the OXYGENATOR produces oxygen that is readily absorbed into the water which keeps bait and fish not only healthy, but livelier as well. This is the most efficient means of maintaining high-levels of oxygen in a livewell and nothing comes close to the OXYGENATOR'S ability to create an oxygen-rich environment. In addition, the OXYGENATOR uses advanced sensor technology to increase or decrease the frequency and duration of the output to maintain the highest yet safest dissolved oxygen level based on the livewell water temperature variation.

- 12V dc drawing less than 1 amp
- No switch required - automatically activated when livewell fills with water
- Easy installation instructions
- Silent running
- Emitter size: 3.375" in diameter
- Rated capacity: 10-20 gallons

ORDER NO.	Mfr. No.
205-88000	02-BK3-DP

For more information see: www.thmarine.com

SHURflo®

SHURFLO® LIVEWELL FILL VALVE

Keep your bait alive. The SHURflo® Livewell Fill Valve creates an energized environment that "keeps your bait alive." The full port fittings (3/4" or 1-1/8") assure the amount of flow required is achieved and maintained. The adjustable flow valve allows you to adjust the water flow to your desired amount. 3 Year Warranty

- Adjustable Flow Valve
- 3/4" and 1-1/8" Full Port Fittings Included
- Low Profile Design
- Nylon Construction
- CE Listed

ORDER NO. 330-02100
Mfr. No. 330-021

For more information see: www.shurflo.com

Johnson Pump®

BASSPIRATOR II™ - CARTRIDGE AERATOR SERIES - 12V

Internal anti-airlock fins help prevent air lock ensuring a good even flow of water to the livewell. These powerful and efficient pumps, are available in 500 and 750 GPH flow capacities, have proven themselves to be trouble free providing excellent life expectancy so you can enjoy your time fishing.

General Features:

- Fully submersible
- Ignition protected
- Seawater tough
- Anti-airlock protection
- Straight and 90˚ Dura-port discharge ports
- Common body allows interchangeable motor cartridge replacement to the same of different size
- Smaller profiles to fit in more confined spaces
- Removable motor cartridge feature allows for easy cleaning and maintenance
- 100% factory tested
- Meets and exceeds NMMA, ABYC, ISO 8846, CE and USCG specifications
- 3-year warranty
- Made in the U.S.A.

3800 Series

2800 Series

ORDER NO.	Model No.	Description	GPH	Amp Draw	Fuse Size	Hose Size	Repl. Cartridge
847-28503	28503	Aerator Straight Inlet	500	2.0	5 Amp	3/4"	**847-28552**
847-28703	28703	Aerator Straight Inlet	750	3.0	5 Amp	3/4"	**847-28572**
847-28103	28103-00	Aerator Straight Inlet	1000	3.2	5 Amp	3/4"	**847-28512**
847-28123*	28123	Aerator Straight Inlet	1250	3.0	5 Amp	1-1/8"	**847-42522**
847-38503	38503	Aerator 90˚ Inlet	500	2.0	5 Amp	3/4"	**847-28552**
847-38703	38703	Aerator 90˚ Inlet	750	3.0	5 Amp	3/4"	**847-28572**
847-38103	38103	Aerator 90˚ Inlet	1000	3.2	5 Amp	3/4"	**847-28512**
847-38123*	38123	Aerator 90˚ Inlet	1250	3.0	5 Amp	1-1/8"	**847-42522**

* 1-1/8" Outlet. Does not include Dura-Port

LIVEWELL SYSTEM KITS

IN-WELL AERATOR SYSTEM

Installation kit for new aerator system offering the advantage of continuous recirculation of the livewell water. Ensure good aeration of the livewell when the boat is on the trailer or on the plane going to the next fishing hole

Kit includes:

- Reliable 500 GPH cartridge recirculating pump with 90˚ outlet
- 16 gauge wire (brown & black)
- Illuminated & fused dash switch panel switch
- Aerating head double valve
- 3/4" I.D. thru-hull
- 3 feet of 3/4" I.D. bilge hose
- Complete illustrated instructions

ORDER NO. 847-34024 Mfr. No. 34024

BASSPIRATOR II SYSTEM

Installation kit for new aerating system offering the advantage of continuous replenishment of fresh water to the live well.

Kit includes:

- 500 GPH Basspirator II™ cartridge aerating pump
- Two 1-1/2" overflow fittings and hose
- 7 feet of 3/4" I.D. bilge hose
- 16 gauge wire (brown & black)
- Attractive dash switch with indicator light and built-in fuse holder
- Aerating head single valve
- 4 hose clamps
- Transom shim **(# 847-71245)** for boats with angled transom
- Complete illustrated instructions

ORDER NO. 847-34014 Mfr. No. 34014

For more information see: www.spxflow.com/johnson-pump-marine

ICE CHEST AERATOR - 12V

- 400 GPH pump
- Flexible hose
- Aerating head with mounting clip
- Stainless steel shaft and hardware
- 2.0 amp draw use 3 amp fuse
- Ignition protected
- Stainless steel shaft and hardware
- Anti-Airlock protection
- Saltwater tough
- 100% factory tested
- Meets and exceeds NMMA, ABYC, ISO 8846, E and USCG specifications
- Three year warranty

ORDER NO. 847-24052 Mfr. No. 24052

INTAKE STRAINER

Attaches directly to intake tube on Johnson Pump Aerator Pumps. Filters debris which could clog pump.

ORDER NO. 671-77125 Mfr. No. 77125

AERATING HEADS & FITTINGS

Shown here are some of the more popular designs used as standard equipment by leading bass boat manufacturers. Our variety of fittings allows for all shapes and configurations so we can custom design an aerating head for your boat production requirements.

Spray Head Assembly
Overall length 9-3/4",
3/4" thru hull,
one shut-off valve

ORDER NO. 847-90511
Mfr. No. 90511

Spray Head Assembly
Overall length 12-3/4",
3/4" thru hull,
one shut-off valve

ORDER NO. 847-90331
Mfr. No. 90331

2-Piece Spray Head Assembly
8" spray bar with 3/4" barb,
6" shut-off valve assembly with 3/4" barb and 3/4" thru hull

ORDER NO. 847-90261
Mfr. No. 90261

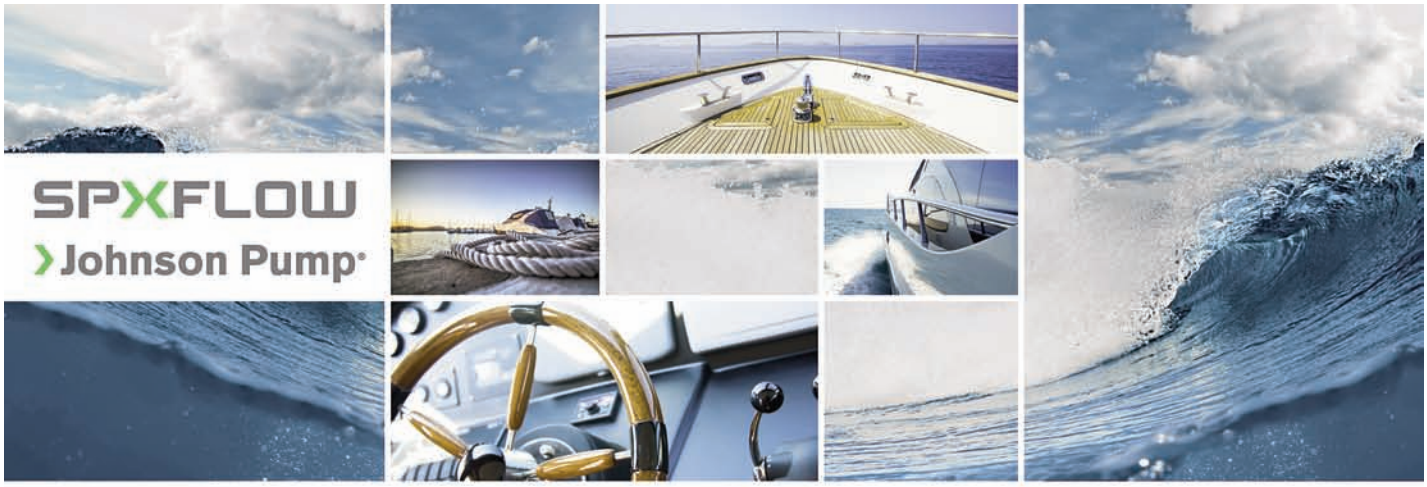
Spray Head Assembly
Overall length 13",
3/4" thru hull,
one shut-off valve

ORDER NO. 847-90191
Mfr. No. 90191-00

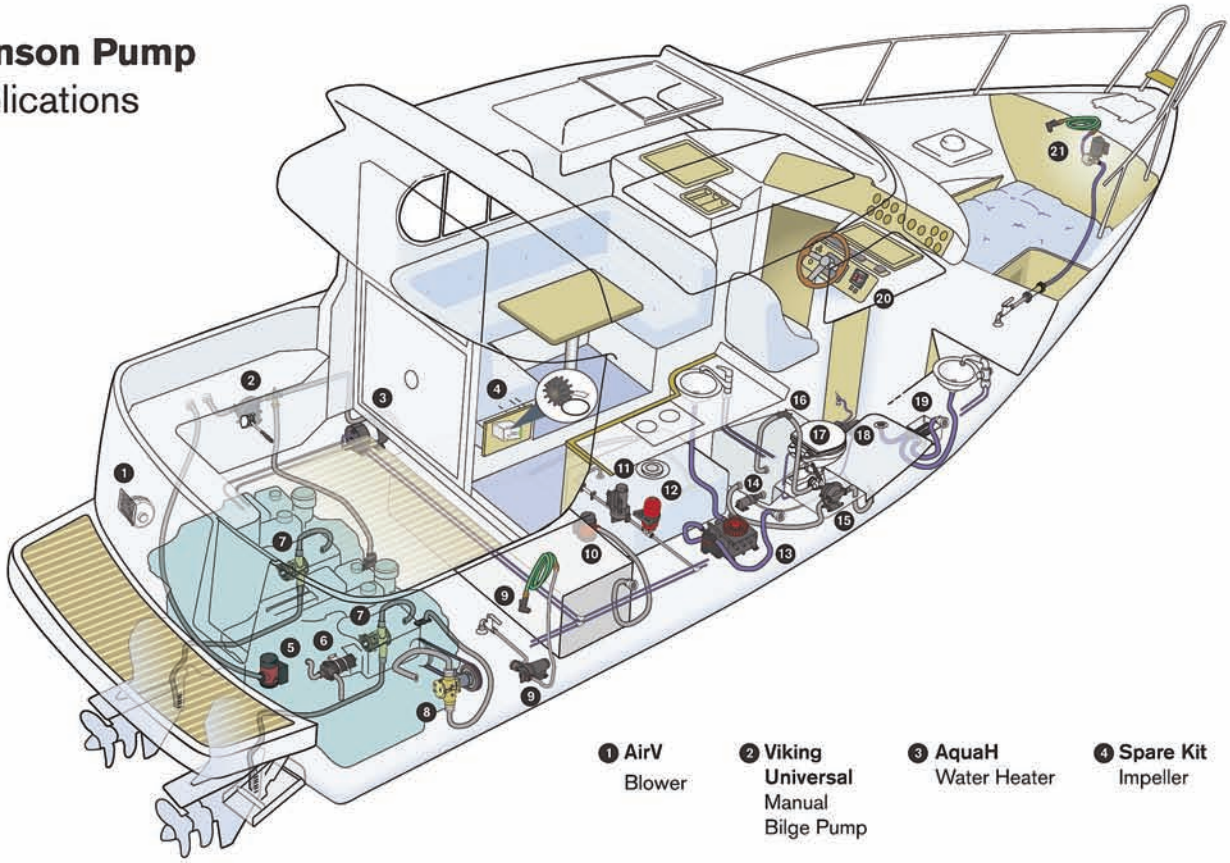
Johnson Pump®

For more information see:
www.spxflow.com/johnson-pump-marine

Johnson Pump®



Johnson Pump Applications



1. **AirV** Blower
2. **Viking Universal** Manual Bilge Pump
3. **AquaH** Water Heater
4. **Spare Kit** Impeller
5. **2200 GPH + Switch** Heavy Duty Bilge Pump with Electro-Magnetic Float Switch
6. **CM90** Circulation Pump
7. **Engine Cooling** Customized Engine Cooling Pump
8. **F9B-5607** Extra Heavy Duty Electro-Magnetic Clutch Pump
9. **Aqua Jet Wash Down 3.5** Wash Down Pump Kit
10. **1600 GPH + Switch** Heavy Duty Bilge Pump with Ultima Switch
11. **Aqua Jet WPS 4.0** Water Pressure System
12. **Accumulator Tank**
13. **Gray Water Tank + Viking Power 16** Waste Water Tank & Pump Solution
14. **TA3P10-19** Macerator
15. **Viking Universal** Manual Bilge Pump
16. **Vented Loop**
17. **AquaT Silent Electric Comfort** Marine Toilet
18. **Flush Pump 3.5** For Silent Electric Toilet
19. **Shower Sump MultiPorts** Drain System
20. **Bilge Alert** High Water Alarm
21. **F3B-19** DC Driven Flexible Impeller Pump

Johnson Pump® RELIABILITY ON BOARD -SINCE 1968- www.spxflow.com/johnson-pump-marine

ULTIMA BILGE™

Mercury Free design with no moving parts. Low Amperage.

Integration of the patented Ultima "field effect" sensing technology into the bilge pump body creates a sleek, reliable compact, unit ready to install and run for years and years of unerring service.

- Rugged ABS Fuel-Resistant Housing
- Featuring - Patented Digital "Field Effect"
- 12 Volt
- Ultima™ 600GPH - 1000GPH, Easy to-install Dura-Port discharge ports to eliminate stress cracking caused by over-tightened hose clamps & also includes both a straight & a 90° smooth elbow DuraPort
- Ultima™ 1250GPH we include threaded 1-1/4" & 1-1/8" discharge port
- All versions include a removable check valve
- Simple 3 wire design for easy installation
- Wire Size: 30" 16 GA
- Motor Shaft: 316 Stainless Steel
- Ultima™ 1250GPH we include threaded 1-1/4" & 1-1/8" discharge port

671_47258

- 600 - 1000 GPH Models Dimensions: 4.10" H, 3.20" W, 6" L
- 1250 GPH Model Dimensions: 4.60" H, 3.20" W, 6" L

ORDER NO.	Mfr. No.	Description	Capacity 3ft (0.9m) Head (13.6 V)	Capacity Straight (13.6 V)	Amps	Fuse Size	Hose Size
671-47258	32-47258-003	600 GPH, 12V	32 L/min - 500 GPH	38 L/min - 600 GPH	2.5 A	5 A	3/4"
671-47259	32-47259-003	800 GPH, 12V	38 L/min - 600 GPH	51 L/min - 800 GPH	3 A	5 A	3/4"
671-47260	32-47260-003	1000 GPH, 12V	44 L/min - 700 GPH	64 L/min - 1000 GPH	3.2 A	5 A	3/4"
671-47261	32-47261-002	1250 GPH, 12V	51 L/min - 800 GPH	79 L/min - 1250 GPH	3 A	5 A	1-1/8" & 1-1/4"
847-50533	50533	Spare Parts	3/4" Check Valve, Nitrile for 600, 800 & 1,000 GPH only				

ULTIMA BILGE™ COMBO PUMP

The Ultima Combo combines the line of Cartridge Bilge Pumps with automatic operation. The pump is equipped with the new Ultima Switch.

- 12 Volt
- Submersible bilge pump with Ultima switch
- Complete with Dura-Port discharge ports to eliminate stress cracking caused by over-tightened hose clamps
- Includes both straight and a 90° smooth elbow Dura-Port
- All versions include a removable check valve
- Replaceable cartridge design
- Pre-wired for auto operation as well as manual override
- Non clogging pump and switch
- Water-cooled motor
- Free and easy flow
- Salt water tough
- Easy to clean

ORDER NO.	Mfr. No.	Description	Capacity 3ft (0.9m) Head (13.6 V)	Capacity Straight (13.6 V)	Amp Draw	Fuse Size	Hose Barb Size I.D.
671-75030	07503-00	500 GPH Ultima Combo 3/4" Dura Ports	33 L/min - 525 GPH	40 L/min - 630 GPH	2.5 A	5 A	3/4"
671-77030	07703-00	750 GPH Ultima Combo 3/4" Dura Ports	44 L/min - 700 GPH	50 L/min - 800 GPH	3 A	5 A	3/4"
671-79030	07903-00	1000 GPH Ultima Combo 3/4" Dura Ports	50 L/min - 800 GPH	63 L/min - 1000 GPH	3.2 A	5 A	3/4"
671-82030	08203-00	1250 GPH Ultima Combo 1-1/8" Discharge	60 L/min - 952 GPH	73 L/min - 1150 GPH	3 A	5 A	1-1/8"

ULTIMA SWITCH

Mercury Free design with no moving parts.
Completely sealed Solid State Design.

Automatic bilge pump switch 12/24V DC 20 amp draw.
Detects fluid using the patented Mirus™ "field effect" technology.

Features:

- 3-year warranty
- Turns pump on at 2" fluid level
- Turns pump off at 3/4" fluid level
- Not effected by oil, fuel or debris
- Reverse wire protection
- 12/24V DC operation
- Handles all pumps up to 20 amp draw
- Meets ISO 8846, ABYC, NMMA and USCG
- Made in USA

ORDER NO. 671-36303
Mfr. No. 36303

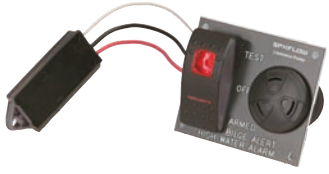
BILGE ALERT™

High Water Alarm

A new level of high water protection. 100db alarm and LED warning light alert you to bilge water levels above normal conditions.
Detects fluid using the patented Mirus™ "field effect" technology.

Features:

- 100db alarm and LED warning light
- Completely sealed and corrosion proof
- Three way panel switch Test/Armed/Off
- No moving parts
- Easy to install
- 12VDC
- Meets ISO 8846, NMMA, USCG & ABYC requirements
- Ignition protected
- 3-year warranty



ORDER NO. 671-72303
Mfr. No. 72303

BILGE PUMPS

Johnson Pump®

LOW BOY BILGE PUMP

Low profile pump design for ease of mounting and removal in tight bilge areas. Perfect for vessels with bilge pumps mounted beneath inboard or I/O engines. Removable cartridge style. For 750 GPH Low Boy pumps we have easy-to-install Dura-Port discharge ports to eliminate stress cracking caused by over-tightened hose clamps. The pumps will be delivered including both a straight and a 90˚ smooth elbow. Use 847-36152 magnetic switch only.

Max Length: 5.75"
Width: 3.2"
Height: 2.82"
Wire Size: 16 GA

ORDER NO.	Mfr. No.	Description	Capacity 3 ft.(0.9m) Head (13.6V)	Capacity Straight (13.6V)	Amps	Fuse Size	Connection
671-33703	33703	750 GPH Low Boy, 12 Volt	44 l/min - 700 GPH	50 l/min - 800 GPH	3A	5A	3/4"

HIGH CAPACITY BILGE PUMPS 12V

The best choice when you are looking for a high perfomance, heavy duty bilge pump that is designed to meet and exceed the tough demands of commercial and recreational duty. The pump has a liquid-cooled, 12-pole motor with double ball bearings for extended service life. The L2200 motor is sealed off by a mechanical seal design that eliminates shaft wear and allows for service and replacement, while the L1600 model has lipseal. The impeller is carefully designed and tested to maximize head and flow. The L4000 high capacity, heavy duty bilge pump has been developed by Johnson Pump as the premier pump in our submersible bilge pump range. Features a robust motor design, mechanical shaft seal, high impact ABS plastic and unique threaded port design. Universal base plate and choice of 1-1/2" or 2" ports makes for a simple installation. These pumps all include a removable check valve.

	L1600	L2200	L4000
Shaft:	SS2343	SS2343	SS2343
Wire size:	16GA	16GA	14GA
Max Dia:	4.25"	4.25"	4.8"
Max height:	5.86"	7"	8.5"

ORDER NO.	Mfr. No.	Description	Capacity 1.0m-3.35ft. Head (13.6V)	Capacity Straight (13.6V)	Amperage	Fuse Size	Hose Size
671-16004	16004-00	L1600 12V	98L/ min - 1550 GPH	100L/ min - 1600 GPH	7 A	10 A	1-1/8" & 1-1/4"
847-22004	22004	L2200 12V	120L/ min - 1900 GPH	130L/ min - 2060 GPH	7.5 A	12 A	1-1/8" & 1-1/4"
671-40040	40004	L4000 12V	164L/ min - 2600 GPH	252L/ min - 4000 GPH	15 A	25 A	1-1/2" & 2"

HIGH PERMORMANCE BILGE MATE

A low budget alternative designed for long life and high performance capacity.
The low cost choice for boat owners who still look for quality

General Features

- 400 GPH
- 3/4" discharge port
- Stainless steel shaft and hardware
- 2.5 Amp draw use 5 amp fuse
- Ignition protected
- 12 Volt
- Anti-Airlock protection

ORDER NO.	Mfr. No.	GPH	Volts	Amp Draw	Hose Dia.
847-21404	21405	400	12	2.5	3/4"

For more information see: www.spxflow.com/johnson-pump-marine

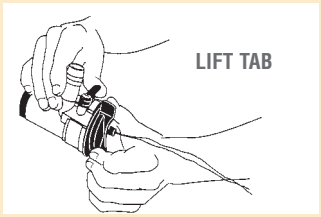
THE ORIGINAL INTERCHANGEABLE CARTRIDGE PUMP

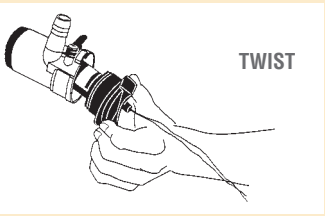
Johnson Pump's cartridge bilge pumps with it's original interchangeable motor cartridge design allows for easy cleaning and service. Fully submersible and ignition protected.
Includes: One each of straight and 90˚ non cracking "Dura Ports", and a removable check valve is standard. 3 year warranty.

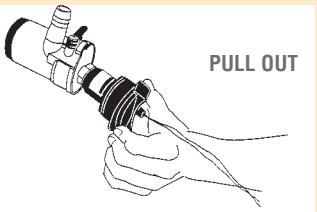
General Pump Features

- Fully submersible
- Ignition protected
- 12 Volt
- Compression lip seals
- Dura-Port discharge port 3/4" discharge only
- 100% factory tested
- Anti-Airlock protection
- Meets and exceeds NMMA, ABYC, ISO 8849, CE and USCG specifications
- Three year warranty
- Dimensions: 2-3/4"L x 2-3/4"W x 4-1/2"H
- 316 stainless motor shaft and hardware

847-42123







ORDER NO.	Mfr. No.	Description	Capacity 3ft. (0.9m) Head (13.6V)	Capacity Straight (13.6V)	Amps	Fuse Size	Hose Size	Repl. Cartridge
847-32503	32503	500 GPH	33 L/min - 525 GPH	40 L/min - 630 GPH	2.5 A	5 A	3/4"	847-28552
847-32703	32703	750 GPH	44 L/min - 700 GPH	50 L/min - 800 GPH	3 A	5 A	3/4"	847-28572
847-32903	32903	1000 GPH	50 L/min - 800 GPH	63 L/min - 1000 GPH	3.2 A	5 A	3/4"	847-28512
847-42123*	42123	1250 GPH	60 L/min - 952 GPH	73 L/min - 1150 GPH	3 A	5 A	1-1/8"	847-42522
847-50533	50533	Spare Parts	3/4" Check Valve, Nitrile - for 500 to 1,000 GPH only					

* Does not include Dura-Port connection or check valve.

PRO-LINE BILGE PUMPS - 12V - More Powerful Output • Lower Power Input

The classic ProLine series Bilge Pump has remained a favorite due to it's durability and dependability and mounting options
These pumps are available in capacities from 500, 750 and 1000 GPH. These tough bilge pumps provide reliability when you need it.

General Features

- Fully submersible
- Ignition protected
- Anti-Airlock protection
- Saltwater tough
- Quick release bracket and Dura-Ports included (Straight & 90˚)
- 100% factory tested
- Meets and exceeds NMMA, ABYC, ISO 8846, CEand USCG specifications
- 3 year warranty
- Dimensions: 5"L x 3"W x 4-3/8"H

847-22502

ORDER NO.	Mfr. No.	Description	Capacity 3ft. (0.9m) Head (13.6V)	Capacity Straight (13.6V)	Amps	Fuse Size	Hose Size
847-22502	22502	500 GPH Proline Bilge	33 L/min - 525 GPH	40 L/min - 630 GPH	2.5 A	5 A	3/4"
847-22702	22702	750 GPH Proline Bilge	44 L/min - 700 GPH	50 L/min - 800 GPH	3 A	5 A	3/4"
847-22102	22102	1000 GPH Proline Bilge	60 L/min - 952 GPH	73 L/min - 1150 GPH	3 A	5 A	3/4"

JOHNSON PUMP MOTOR CARTRIDGE REPLACEMENTS

Johnson Pump's motor cartridges are easy to install and service. Just lift tab on the housing, twist motor cartridge and pull out to clean debris from the impeller. Upgrading the capacity of your bilge or aerator pump is simple with this convenient motor cartridge.

ORDER NO.	Mfr. No.	GPH	Bilge Pump Model	Aerator Pump Model
847-28552	28552	500	847-32503, 671-75030	847-28503, 847-38503
847-28572	28572	750	847-32703, 671-77030	847-28703, 847-38703
847-28512	28512	1000	847-32903, 671-79030	847-28103, 847-38103
847-42522	42522	1250	847-42123, 671-82030	847-28123, 847-38123

847-28552

Features:

- Fully submersible
- Ignition protected
- 12 volt
- Saltwater tough
- 100% factory tested
- Meets and exceeds NMMA, ABYC, ISO 8846, CE and USCG specifications
- 3 year warranty

For more information see: www.spxflow.com/johnson-pump-marine

New Generation Series

FULLY AUTOMATIC BILGE PUMP

Our bilge pumps provide ultimate pumping performance, which helps keep your bilge clear of nuisance water, building on the genuine Rule design.

Rigorous engineering and testing helped generate the new series of RuleMate automatic bilge pumps. Our pumps are tested to the highest standard providing better efficiency for the toughest applications.

RuleMate bilge pumps operate using an internal level sensor. When water reaches 2" (5 cm) they switch on and pump it out, when level reaches 3/8" (0.9 cm), they switch off again. Our pumps use a unique back up feature that will let you know if something has covered the sensor, this prevents the pump running when it shouldn't giving peace of mind.

SPECIFICATIONS

- **Higher Flow – optimized impeller to provide greater flow at the same amperage**
- **Auto Sense Intelligence - Integral water level sensor controls the pump automatically**
- **Back-Up Feature - Prevents continuous running if sensor is fouled by debris, pump reverts to 2.5 minute cyle mode**
- **Smaller footprint - New RuleMate is 2/3 the size of existing model**
- **Built-in Thermal Cut-Off (TCO) – provides added protection for pump and vessel**
- **Back Flow Prevention - reduces the amount of water left over in the bilge, reducing odor and helping keep your bilge cleaner**
- **Hidden Air Vents in the Body – helps prevent air locking in challenging plumbing installations and helps with the check valve**
- **Threaded Discharge - easier installation, easier maintenance**

Order No.	Mfr. No.	Nominal GPH / LPH	Volts	Amps @ 12VDC	Amps @ 13.6V	Ports/ Check Valve	Hose Dia.
272-05000B	RM500B	500 GPH, 1890 LPH	12 DC	1.8 **12VDC**	2.4 (13.6V)	Yes	3/4"
272-08000B	RM800B	800 GPH, 3028 LPH	12 DC	3.0 **12VDC**	3.7 (13.6V)	Yes	3/4"
272-11000B	RM1100B	1100 GPH, 4164 LPH	12 DC	3.8 **12VDC**	4.8 (13.6V)	Yes	1" & 1-1/8"
272-00500B-24	RM500B-24	500 GPH, 1890 LPH	24 DC	1.0 **24VDC**	1.2 (27.2V)	Yes	3/4"
272-00800B-24	RM800B-24	800 GPH, 3028 LPH	24 DC	1.6 **24VDC**	2.0 (27.2V)	Yes	3/4"
272-11000B-24	RM1100B-24	1100 GPH, 4164 LPH	24 DC	2.1 **24VDC**	2.5 (27.2V)	Yes	1" & 1-1/8"

New Generation Spare Parts		
272-00066A	66A	Bracket, Side Mount
777-01200	1200R	Port, 500 Series, **3/4" Thread, 3/4" Barb**
777-01201	1201R	Port, 500 Series, **90˚, 3/4" Thread, 3/4" Barb**
777-01202	1202R	Port, 500 Series, **3/4" Thread, 1" Barb**
777-01203	1203R	Port, 800/1100 Series, **90˚, 1" Thread, 3/4" Barb**
777-01204	1204R	Port, 800/1100 Series, **1" Thread, 3/4" Barb**
777-01205	1205R	Port, 800/1100 Series, **90˚, 1" Thread, 1" Barb**
777-01206	1206R	Port, 800/1100 Series, **1" Thread, 1" Barb**
777-01207	1207R	Port, 800/1100 Series, **90˚, 1" Thread, 1-1/8" Barb**
777-01208	1208R	Port, 800/1100 Series, **1" Thread, 1-1/8" Barb**
777-01220	1220R	Check Valve, 500 Series, **3/4", 3/4" Flange**
777-01221	1221R	Check Valve, 800/1100 Series, **3/4", 1" Flange**
777-01222	1222R	Check Valve, 800/1100 Series, **1", 1" Flange**
777-01223	1223R	Check Valve, 800/1100 Series, **1-1/8", 1" Flange**

AUTOMATIC - NEXT GENERATION ELECTRONIC SENSING S SERIES BILGE PUMPS

No Float Switch Needed!
Works on the principle of Impeller Resistance!
The pump will turn on every 2-1/2 minutes for about one second to sense the water. If water is present, the pump will sense resistance and continue to run until all water is removed. After, the pump will resume checking for water every 2-1.2 minutes. Water is kept in check between 1/8" and 3/8"!!

- Higher Flow
- Submersible and ignition protected
- High effeciency, low amp motor
- Stainless steel shaft
- Includes backflow preventer
- Includes 3/4" ports
- Check valve included with hidden air vent to prevent airlocking
- True electromagnetic suppression (EMC)
- Built-in thermal cell that protects the pump and the vessel when things get too hot

ORDER NO.	Mfr. No.	GPH/LPH	Volts	Amps@ 12V	Amps@ 13.6V	Fittings	Check Valve	Hose Dia. ID
272-25000-SA	25SA	500/1890	12 DC	2.1 (12V)	2.4 (13.6V)	Yes	Yes	3/4" (19mm)
272-20000-SA	20SA	800/3028	12 DC	1.6 (12V)	1.8 (13.6V)	Yes	Yes	3/4" (19mm)
272-27000-SA	27SA	1100/4164	12 DC	3.4 (12V)	4.3 (13.6V)	Yes	Yes	1" (25mm) & 1-1/8" (29mm)

NON - AUTOMATIC - NEXT GENERATION OF BILGE PUMPS

Best Design with Higher Flow & BackFlow Prevention!
Use with a Panel Switch or Rule Float Switch
Rule has re-engineered inside and out the bilge pump with the idea that a 500 gph pump should produce maximum open flow at 12 volts (more typical of on-board voltage supply) rather than the 13.6 volts of a vessel's alternator.

- Submersible and ignition protected
- High effeciency, low amp motor
- Stainless steel shaft
- Higher flow
- Includes backflow preventer
- Includes ports and check valves

ORDER NO.	Mfr. No.	GPH/LPH	Volts	Amps@ 12V	Amps@ 13.6V	Fittings	Check Valve	Hose Dia. ID
272-24000-DA	24DA	360/1363	12 DC	2.1 (12V)	2.4 (13.6V)	Yes	Yes	3/4" (19mm)
272-25000-DA	25DA	500/1890	12 DC	1.6 (12V)	1.8 (13.6V)	Yes	Yes	3/4" (19mm)
272-20000-DA	20DA	800/3028	12 DC	3.4 (12V)	4.3 (13.6V)	Yes	Yes	3/4" (19mm)
272-27000-DA	27DA	1100/4164	12 DC	3.7 (13.6V)	4.7 (13.6V)	Yes	Yes	1" (25mm) & 1-1/8" (29mm)

RULE-MATE FULLY AUTOMATED BILGE PUMPS - VDC

- All-in-one pump and switch
- Extra long-life heavy duty motor
- Improved port sizing to a threaded discharge
- Improved switching with a protective mode
- Saves installation time and space in the bilge
- Environmentally safe, non-contact, mercury-free float switch

ORDER NO.	Mfr. No.	Description	Volts	Threaded Discharge	Dimensions	Amps
272-15000A	RM1500A	1500 GPH, (6819 lph)	12 V	1" NPSM port	6" H x 7-1/4" W	4.8
272-20000A	RM2000A	2000 GPH, (7568 lph)	12 V	1" NPSM port	6" H x 7-1/4" W	8.4

Note: Threaded discharge port accepts the included 1" and 1-1/8" hose barb ports as well as the optional 1" and 1-1/8" 90˚ elbows sold separately.

For more information see: www.xylem.com

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BILGE PUMPS – LOPRO SERIES

LOPRO SERIES 900S - *Features 3 Automatic Modes*
FULLY AUTOMATIC LOW PROFILE BILGE PUMP

Designed to bring automatic pumping power to tight spaces.

Rule's LoPro Series Bilge Pumps are only 2.25" high. Yet each one can move a mighty 900 gallons per hour. In addition, the 900S model features two automatic modes. The first one engages the pump when the water level reaches 1.3" or 2", and the second one checks for water by briefly turning on the pump every 2.5 minutes.

- **Fully rotating discharge body –** The entire body swivels up to 180˚, making the pump extremely easy to install.
- **Threaded discharge nozzle –** The threads allow the discharge nozzle to couple with either a staight or 90˚ fitting, both of which are included. An included tricuspid check valve, used with the straight fitting, can be used to minimize the backflow of water.
- **Multiple modes of operation –** In addition to manual, the 900S features two automated modes of operation.
- **Electronic automatic timer mode –** The pump automatically turns on every 2.5 minutes to check for water, and if it's detected the pump stays on until the water is gone.
- **High or low water sensing mode –** The low setting automatically starts the pump when the water level rises to 1.3", and the high setting engages the pump when the water rises to 2".
- **Horizontal or vertical mounting –** The 900S features a variety of mounting options to accommodate the boat's design.

SPECIFICATIONS:
Voltage: 12 VDC
Flow: 900 GPH open flow at 13.6V/3407 LPH
Amp Draw: 4A approximate
Protection: TCO
Port Configuration: 3/4", 1", 1-1/8" Straight, 90˚ 3/4"
Backflow preventer valve can be used with straight fittings
Dimensions: 2.3"H x 9.3"L x 2.3"W

ORDER NO.	Mfr. No.
272-09001	LP900S

LOPRO SERIES 900D - NON-AUTOMATIC
LOW PROFILE HIGH CAPACITY BILGE PUMP

Designed to bring pumping power to tight spaces.

Rule's LoPro Series Bilge Pumps are only 2.25" high, but can move a mighty 900 gallons per hour. Each one features a threaded discharge nozzle with straight and 90˚ fittings, and the body can swivel up to 180°, making it a great fit for small spaces and odd configurations.

- **900 gallon per hour capacity –** The 900D can move a colossal 900 gallons of water per hour, even though it has an extremely low profile.
- **Fully rotating discharge body –** The entire body swivels up to 180°, making the pump extremely easy to install.
- **Threaded discharge nozzle –** The threads allow the discharge nozzle to couple with either a staight or 90˚ fitting, both of which are included. An included tricuspid check valve, used with the straight fitting, can be used to minimize the backflow of water.
- **Horizontal or vertical mounting –** The 900D features a variety of mounting options to accommodate the boat's design.
- **12V DC operation –** The pump operates on standard marine electrical power while delivering high capacity pumping power.

SPECIFICATIONS:
Voltage: 12 VDC
Flow: 900 GPH open flow at 13.6V/3407 LPH
Amp Draw: 4A approximate
Protection: TCO
Port Configuration: 3/4", 1", 1-1/8" Straight, 90˚ 3/4"
Backflow preventer valve can be used with straight fittings
Dimensions: 2.3"H x 7.6"L x 2.3"W

ORDER NO.	Mfr. No.
272-09002	LP900D

AUTOMATIC PWC BILGE PUMP - 500 GPH 12 VOLT

- Least amount of water in your PWC
- No float switch needed
- Checks for water every 20 seconds
- Completely submersible
- Ignition protected
- Non burn-out when dry
- Stainless steel shaft
- Includes back flow preventer

ORDER NO.	Mfr. No.	GPH/LPH	Amp Draw (Max Flow)	Fuse Size	Port Size	Dimensions H x W x D
272-61251-SA	25SA-6WC	500GPH/1893L	1.6	4A	3/4" (19mm) NPSM 3/4" (19mm) Hose Barb	4.2" x 2.9" x 2.5"

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SUBMERSIBLE BILGE PUMPS - VDC

Rule submersible bilge pumps have set the standard for the industry for decades. They are the first choice of yachtsmen and commercial fishermen throughout the world.

- Easy clean snap-lock strainer
- Anti-airlock protection
- Ignition protected
- Rust and corrosion protection
- Marine grade blocked wiring
- Silent and vibrationless operation
- Compact, efficient long life motor
- No burn-out when run dry
- Used by leading boat builders worldwide

1500 G.P.H. Pump

ORDER NO.	Mfr. No.	Capacity GPH/lph	Volts	Amps	Size	Hose Dia. ID	Panel Switch	Float Switch	Hose Adapter
272-00002	02	1500 (5676 lph)	12 V	4.8	6" x 4-1/4"	1-1/8"	See Note 1	See Note 3	272-00069*
272-00003	03	1500 (5676 lph)	24 V	2.3	6" x 4-1/4"	1-1/8"	See Note 2	See Note 3	272-00069*
272-00010	10	2000 (7568 lph)	12 V	8.4	6" x 4-1/4"	1-1/8"	See Note 1	See Note 3	272-00069*
272-00011	11	2000 (7568 lph)	32 V	3.1	6" x 4-1/4"	1-1/8"	See Note 2	See Note 3	272-00069*
272-00012	12	2000 (7568 lph)	24 V	4	6" x 4-1/4"	1-1/8"	See Note 2	See Note 3	272-00069*
272-00014**	14A	3700 (14002 lph)	12 V	15.5	7-1/4" x 4-7/8"	1-1/2"	See Note 1	See Note 3	
272-00016A	16A	3700 (14002 lph)	24 V	6.9	7-1/4" x 4-7/8"	1-1/2"	See Note 2	See Note 3	-

Note 1 – Panel Switch options are 272-00041, 272-00045 or 272-00049
Note 2 – Panel Switch options are 272-00045 or 272-00049
Note 3 – Float Switch options are 272-00035-1 or 272-00037-1

** Converts 1-1/8" pump outlet to 3/4"" ID hose*
*** Heavy duty construction for both commercial and pleasure boat use.*

DRY BILGE PUMP W/ PANEL SWITCH - 4.0 GPM - 12 VDC

Pumps Down to 1/8" (3 mm)
Rule Offers the Solution so you can have a Dry Bilge. (Gets the last of the water out)!

NEW!

- Drains the bilge almost dry
- Filter-free design
- Self-priming to 9.5' (3 m)
- Able to run dry without damaging the pump
- Up to 4.0 GPM (15 LPM) flow
- 360˚ Rotation of pump head offers installation flexibility
- Back flow prevention
- Connections for 3/4" (19 mm) hose barbs
- Rotating puymp head and ports
- Compact and simple design
- 3/4" (19 mm), plastic, 90˚ thru-hull fitting included
- ISO 8846, ISO 8849, ISO 15083, ISO 10133

ORDER NO.	Mfr. No.	Fuse	Max Amp Size	Ports Draw	Flow	Head	Suction Lift	Control Panel Switch
272-41200	DB412	10A	8 Amps	3/4" (19 mm)	4.0 GPM (15 LPM)	10' (2 m)	9.5' (3 m)	Included

RULE BILGE PUMP & SWITCH COMBO PACK 12 VOLT

- Completely submersible
- Ignition protected
- Mercury free switch
- Stainless steel shaft
- High abrasion, tin coated silicone blocked wire
- Includes back flow preventer

Mercury Free

360 G.P.H. Pump

ORDER NO.	Mfr. No.	GPH/LPH	Amp Draw (Max Flow)	Fuse Size	Port Size	Dimensions H x W x D
272-24350-DA	24DA-35A	360GPH/1362LPH	2.1	4A	3/4" (19mm) NPSM 3/4" (19mm) Hose Barb	3.9" x 2.9" x 2.5"
272-25350-DA	25DA-35A	500GPH/1893LPH	1.6	4A	3/4" (19mm) NPSM 3/4" (19mm) Hose Barb	3.9" x 2.9" x 2.5"

BRACKET MOUNT FOR ROUND VERSION PUMPS

Permits small Rule bilge pumps to be side mounted to a vertical stringer, a bulkhead or a transom. Use this bracket when bottom mounting is inconvenient or impossible. Simply remove the strainer from the pump, put the bracket in place, and reassemble.

ORDER NO. 272-00066 Mfr. No. 66

Bracket Mount for 360, 500, 1100 G.P.H. Pump

SIDE MOUNT BRACKET

w/ Plastic strainer

Bracket Mount for new style Rulemate pump models
RM500A, RM500A-24, RM750A, RM750A-24, RM1100A, RM1100A-24

ORDER NO. 272-00099A Mfr. No. 99A

For more information see: www.xylem.com

TSUNAMI Mk2 MANUAL BILGE PUMPS - 12 VOLT

Tsunami Mk2 is the only manual bilge pump that eliminates air-locks.

NEW!

Key Product Features

- **Patented X-Air™ Impeller:** Prevents air locking so that the pump will not run dry & burn out.
- **Flexible Outlets:** 90° rotatable elbow outlet allows users to install the pump anywhere in a full 360° orientation
- **Single-Hand Pump Cartridge Release:** Convenient when trying to access a pump located in a hard-to-reach area of the boat's hull
- **Industry's Best Motor & Shaft Seals:** Provides better protection against harmful corrosion that in any other instance could cause failure
- **Exterior Mounting Feet:** Eliminates the need to remove the basket, saving OEMs time on production lines
- **Retrofits Footprint Of Current Offering:** Provides seamless transition for existing customers
- **No Pipe Or Hose Removal Required:** Reduces the time that it takes to replace the cartridge
- **Tricuspid Check Valve:** Helps prevent the water from backflowing through the pump

ORDER NO.	Mfr. No.	GPH	Open Flow Rate-with Check Valve	Hose Dia. / Included Outlets GPH @ 13.6V / LPH@ 12V
105-56060	5606-7	500	510 US GPH / 1,692 LPH	3/4" & 1" Straight & 90˚ Outlet w/ NRV
105-56080	5608-7	800	747 US GPH / 2,544 LPH	3/4" & 1" Straight & 90˚ Outlet w/ NRV
105-56120	5612-7	1200	903 US GPH / 3,124 LPH	1" & 1-1/8" Straight 90˚ Outlet w/ NRV

SAHARA Mk2 AUTOMATIC BILGE PUMPS - 12 VOLT

The Easiest, most Reliable Automatic Bilge Pump ever Designed!

NEW!

Key Product Features

- **Patented X-Air™ Impeller:** Prevents air locking so that the pump will not run dry & burn out
- **Flexible Outlets:** 90° rotatable elbow outlet allows users to install the pump anywhere in a full 360° orientation
- **Single-Hand Pump Cartridge Release:** Convenient when trying to access a pump located in a hard-to-reach area of the boat's hull
- **Exterior Mounting Feet:** Eliminates the need to remove the basket, saving OEMs time on production lines
- **Universal Backwards Compatible Design:** 7-pump mounting hole pattern for replacing any top bilge pump in its category
- **SteadySwitch™:** Buoyancy control reduces cycling, draining the bilge not the battery
- **No Pipe Or Hose Removal Required:** Reduces the time that it takes to replace the cartridge
- **Retrofits Footprint Of Current Offering:** Provides seamless transition for existing customers
- **Improved Motor Cooling/Heat Dissipation:** Prevents overheating that may cause failures, such as blown fuse, leaking, etc

ORDER NO.	Mfr. No.	GPH	Open Flow Rate GPH @ 13.6V / LPH@ 12V	Hose Dia. / Included Outlets	Service Kits
105-55050	5505-7	500	498 US GPH / 1,530 LPH	3/4" & 1" Straight & elbow fittings	AK5505-7
105-55080	5508-7	800	830 US GPH / 2,314 LPH	3/4" & 1" Straight & elbow fittings	AK5505-7
105-55120	5512-7	1200	1,214 US GPH / 4,140 LPH	1" & 1-1/8" Straight & elbow fittings	AK5512-7

SPECIAL ORDER ITEM

HEAVY DUTY BILGE PUMPS

Attwood's line of heavy-duty, high-capacity bilge pumps have unsurpassed durability, adjustability and performance in a compact design. These powerful pumps keep water where it belongs – outside your boat.

Features:

- Available in 2 flow capacities: 1700 GPH and 2000 GPH
- Fully-adjustable outlet and base configuration
- High-efficiency permanent magnet motor
- Molded two-wire seal eliminates a potential leak path

Benefits:

- Quick and easy installation
- Tough, dependable performance in a small package
- Designed to out-perform
- Tested relentlessly to deliver reliable, efficient performance

104-47300

104-47600

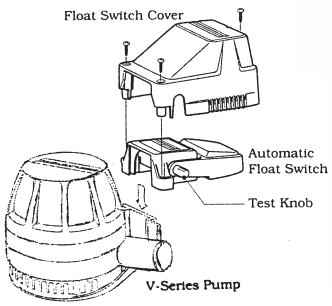
ORDER NO.	Mfr. No.	Description
104-47300	4730-4	1700-GPH – 12V CE
Delivers a true 1700 GPH at open flow while drawing less than 6-amps		
104-47600	4760-4	2000-GPH – 12V CE
Delivers over 2000 GPH at open flow while drawing less than 7-amps		

attwood

AUTOMATIC FLOAT SWITCHES

The Automatic Float Switch converts any bilge pump that draws 12 amps (at 12 VDC) or less to fully automatic operation. It features a compact, low-profile design that mounts on any surface from horizontal up to a 24° angle. No large voltage drop which reduces bilge pump output. Incorporates a reliable and affordable mechanical switch that actuates pump motor at 2" water level. Wire leads do not flex or hinge with the float. Integral cover dampens bilge sloshing to reduce pump cycling, and prevents debris interference. Sealed switch mechanism resists moisture, fume ignition and electrical shock. Contains no mercury, a "Persistent Toxic Substance" listed as a health hazard. CE rated. Float switch installs independently or directly onto the rear slots of the V-Series pump bracket. Features a convenient test knob to test pump operation.

ORDER NO.	Mfr. No.	Description
104-42010	4201BL	Float switch with cover 12 and 24 Volt
104-42020	4202-7	Float switch 12 and 24 Volt



104-42020

104-42010

ELECTRIC BILGE SWITCH - S3 SERIES - 12V - DIGITAL

- Fully Sealed Electronics - ***No moving parts***
- Solid State Electronic Sensing Technology to detect bilge water levels & trigger pump activation
- Won't be exposed to continuous cycling
- Can be mounted on the floor of the bilge directly to a stringer alongside the basket of the pump
- Directly compatible with competitive products

For more information see: www.attwoodmarine.com

ORDER NO.	Mfr. No.
104-48010	4801-7

Johnson Pump®

AUTOMATIC FLOAT SWITCH

FOR A BETTER AND SAFER LIFE AFLOAT!
For full automatic bilge pumping operation, connect the automatic switch to your bilge pump. The AS888 has a time proven micro switch without mercury. When water exceeds the acceptable level, the pump is turned on by a rolling steel ball, which changes the pressure on the micro switch.

- Can be mounted to all Johnson Pump submersible bilge pumps through the clip-on "T-slot" & can be used with 6, 12, 24, or 32 Volt systems
- Non-clogging switch
- No false starts
- Saltwater tough
- Easy to clean
- Pre-wired for manual override
- Universal mounting plate
- Max Amp: 15 A

Mfr. No. 26014
ORDER NO. 847-26014

Mercury Free

ELECTRONIC FLOAT SWITCH

The Electronic Float Switch is built on the same concept as the switch on Cartridge Duo. As a separate accessory it is possible to attach the switch to all pumps in Johnson Pump L- Series.

- 12 Volt
- Can be mounted to all Johnson Pump submersible bilge pumps
- Can be used with 6, 12, 24, or 32 Volt systems
- Non clogging switch
- No false starts
- Saltwater tough
- Easy to clean
- Pre-wired for manual override
- Universal mounting plate
- Max Amp: 15 A

Mfr. No. 36152
ORDER NO. 847-36152

Mercury Free

For more information see: www.spxflow.com/johnson-pump-marine

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GENERAL PURPOSE CENTRIFUGAL PUMPS

The Rule General Purpose Pump is designed for use as a washdown pump and/or to circulate water to your livewell tank(s). Heavy duty construction for use on commercial or pleasure boats. 1-1/2" (38mm) discharge outlet. This pump must be mounted below the waterline. It does not deliver high pressure, nor is it self-priming. It delivers lots of water but at low pressure. 12 volts DC. Non-Automatic.

ORDER NO.	Mfr. No.	Capacity GPH	Volts	Amps
272-00017	17A	3800	12 DC	20.0

Height.	Width	Hose Dia. ID	Panel Switch	Float Switch
5-1/4"	8-1/2"	1-1/2"	272-00049	N/A

For more information see: www.xylem.com

BILGE PUMP ACCESSORIES

rule
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RULE-A-MATIC® FLOAT SWITCH

Year after year, the Rule-A-Matic has been the switch of choice for boaters the world over. Our latest design now includes a removable base for easy cleaning and servicing, a mercury free snap switch tested to over one million cycles and marine grade "blocked" wire. Designed for pumps drawing up to 14 Amps at 12VDC.

Includes a 2 year warranty.
See switch specifications below.

ORDER NO.	Mfr. No.
272-00035-1	35A

Mercury free

SUPERSWITCH™ FLOAT SWITCH

Mercury SuperSwitch™ is designed for the toughest applications. Design includes marine grade 14 gauge "blocked wire", larger float for increased buoyancy, removable base for easy servicing and a snap switch design capable of handling pumps drawing up to 20 amps.

See switch specifications below.
Backed by a 5 year warranty

ORDER NO.	Mfr. No.
272-00037-1	37A

Mercury free

RULE-A-MATIC® PLUS™ FLOAT SWITCH

Sleek and rugged, the Rule-A-Matic Plus float switch has a strong, fully integrated, impact resistant cover, which protects against debris and jamming. 14 gauge highly abrasive resistant marine grade wire, and a built-in test feature. Designed for pumps drawing up to 20 Amps.

Includes a 2 year warranty.
See switch specifications below.

ORDER NO.	Mfr. No.
272-00040-1	40A

Mercury free

Switch Specifications

ORDER NO.	Mfr. No.	Description	Volts	Max Amps(12V)	Size (Inches)(L x W x H)
272-00035-1	35A	Rule-A-Matic®	12-24-32 DC	14	4-1/2" x 1-1/2" x 2"
272-00037-1	37A	SuperSwitch™	12-24-32 DC	20	5" x 2" x 2"
272-00040-1	40A	Rule-A-Matic Plus®	12-24-32 DC	20	4-7/8" x 2-1/2" x 2-3/4"

HI-WATER BILGE ALARM

The High Water Bilge Alarm consists of a non-mercury float switch and an in-dash gauge that features both a visual and an audible 85 db alarm. This unit allows an unmanned compartment to be constantly monitored. For additional compartments add additional Rule Float Switches. Complies with CFR 182.530 which requires a visual and audible alarm in each unmanned space on commercial vessels at least 26' (7.9m) in length.
12 VDC
ORDER NO. 272-00331-1 Mfr. No. 33ALA

Mercury free

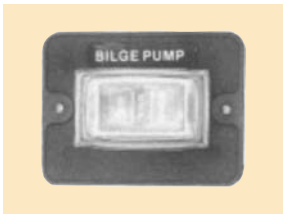
PERSONAL WATERCRAFT PUMP ON/OFF SWITCH

Water resistant and designed to offer on-demand use of Rule Personal Watercraft Pumps.
It features a compact design, a water resistant toggle mechanism and a marine stainless steel face plate.
ORDER NO. 272-60049 Mfr. No. 49PWC

For more information see: www.xylem.com

JABSCO
a xylem brand

MARINE SWITCH PANELS



44960-0002
Illuminated with Boot SPST

These rocker switch panels are available in an attractive black textured finish.
Select between two position and three position models with or without illumination. All lighted models are complete with silicon seal boot. Models 44960-0002 includes durable stick-on labels for all popular boat systems. Includes mounting screws.

ORDER NO.	# POSITION	ELEC. RATING
44960-0002	2 (on, off, lighted)	10 amps/12 Vdc

For more information see: www.xylem.com

rule
a xylem brand

3-WAY PANEL LIGHTED SWITCH
(12 VDC)

Controls any pump equipped with an automatic float switch. Toggle has three positions: (automatic, off and manual) and has a spring return to "off" from the "manual" position. Panel is black stainless steel and has red indicator light and fuse holder.

ORDER NO. 272-00041
Model 41

3-WAY PANEL SWITCH
(12/24/32VDC)

Similar to the Lighted Panel Switch but without indicator light or fuse holder. The "manual" position has a "fail-safe" spring return to "off" so you can't leave your pump running by accident. Black stainless steel panel.

ORDER NO. 272-00045
Model 45

2-WAY PANEL SWITCH
(12/24/32VDC)

Attractive black stainless steel panel highlights your control panel. Simple "on" or "off" positions provide fingertip control.

ORDER NO. 272-00049
Model 49

PANEL SWITCH SPECIFICATIONS

ORDER NO.	Mfr. No.	Description	Volts(DC)	Max Amps (DC)	Size (Inches)
272-00041	41	3-Way Panel Light Switch	12	20	3-1/4" x 2"
272-00045	45	3-Way Panel Switch	12/24/32	20	2-1/4" x 2"
272-00049	49	2-Way Panel Switch	12/24/32	20	2-1/4" x 2"

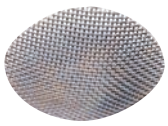
90° ELBOW ADAPTERS

90°elbow adapters are designed for rigid pipe installations of Sump and Utility Pumps. Adapters snap onto discharge port. Opposite end is female pipe threaded. High impact plastic will not rust, corrode or discolor.

ORDER NO.	Mfr. No.	Description
272-00057	57	Adapts all Rule Pumps with 1-1/8" outlet to 1" NPT
272-00058	58	Adapts all Rule Pumps with 1-1/2" outlet to 1-1/4" NPT

STAINLESS STEEL DEBRIS STRAINER

Extra measure of protection for use on round based Rule pumps up to 3700 GPH (14010 LPH). Installs directly into existing strainer. Filters out excess debris and helps prevent jamming and failure.



ORDER NO. 272-00070 Mfr. No. 70

ADAPTERS

Designed to be used with Rule Pumps and thru-hulls. Heavy-duty molded, non-corrosive, high impact plastic.

ORDER NO.	Mfr. No.	Description
272-00063	63	Bulkhead adapter - adapts 1-1/2" hose to standard garden hose fitting.
272-00067	67	Hose adapter - adapts 1-1/2" outlet to 1-1/8'' hose
272-00068	68	Garden hose adapter - adapts 1-1/8" outlet to standard garden hose fitting.
272-00069*	69	Double stepped straight adapter for adapting 1-1/8'' outlet to 3/4'' or 5/8'' I.D. hose.

** Not suitable for Rule-Mate Pumps*

Bulkhead adapter 1-1/2" Hose to 3/4" Garden Hose. # 272-00063

Hose Adapter for 1-1/2" pump outlet to 1-1/8" hose # 272-00067

Garden Hose Adapter # 272-00068

Double Stepped Straight Adapter # 272-00069

UNIVERSAL PUMP ADAPTER

Allows all Rule 360 (1360), 500 (1893), 800 (3028) Round and 1100 GPH (4164LPH) pumps to be mounted to competitive bases: Attwood® V-500, Mayfair Proline 500 (1983), 750 (2839), 1000 (3785), and West Marine 500 (1983), 750 (2839) and 1000 GPH (3785 LPH) models.

ORDER NO. 272-00071
Mfr. No. 71

rule
a xylem brand

For more information see:
www.xylem.com

WATERBUSTER® PORTABLE PUMP

This patented, submersible pump is a great way to remove unwanted water from boats, pool covers, aquariums and sump pits. Convenient and safe because it needs no electrical cord – runs up to 5 hours on three alkaline "D" batteries. Excellent for use as a portable pump-out device for paddle boats, inflatables, duck boats, dinghies and kayaks. Any craft that lacks a hard-wire, permanent electrical system.

- Pumps up to 200 gallons per hour
- Includes 42" hose with garden hose adapter for adding longer hose
- Lifts water to height of 40"
- 6-3/8" High x 5-1/4" Diameter

Note: Not to be used as a permanent bilge pump.

ORDER NO. 104-41400 Mfr. No. 4140-4

BILGE PUMP INSTALLATION KIT FOR ¾" ID

Complete kit to install manual bilge pump with ¾" ID hose outlet.

Includes:

- One 2-way On/Off switch with bezel plate
- One ¾" ID x 5' corrugated hose
- One thru-hull fitting for ¾" ID hose
- Two Snap-It hose clamps
- One two-conductor 16 gauge wire, 20' long
- One in-line fuse holder with 2-amp fuse

Caution: Bilge pump switches are not external ignition protected.

ORDER NO.	Mfr. No.	Description
104-41160	4116-5	Complete Kit **without Pump**

BILGE PUMP SWITCH

Panel-mounted rocker switches for use with pump that draws 10-amps or less. ¼" spade terminals. 6 Volt through 32 Volt VDC only, 10-amps maximum. Plate is 2-13/16" X 1-7/8", Hole size is 1-1/2" x 7/8".

Caution: Bilge pump switches are not external ignition protected.

ORDER NO.	Mfr. No.	Description
107-76150	7615-3	2-way On/Off Switch

SNAP-IT HOSE CLAMPS

Use on bilge pumps and shower sump systems. Install by squeezing tabs together. Can be re-used by sliding the locking grooves apart. Corrosion-resistant plastic.

Note: Clamps are intended for water and waste system hoses only.

ORDER NO.	Mfr. No.	Description
109-91850	9185J1	For 7/8" to 1" OD hose

MESH STRAINER/DRAIN FILTER

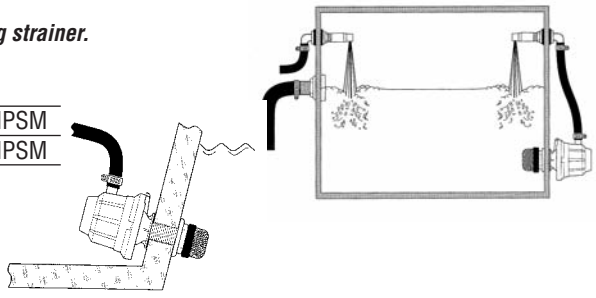
Durable strainers to prevent debris from clogging baitwell drains and aerator pumps. Two types of construction: formed stainless steel wire mesh molded into black PVC plastic base; or acetal plastic.

Caution: Aerator pump must be secured with aerator attachment nut prior to installing strainer.

104-42320 Strainer

103-38850

ORDER NO.	Mfr. No.	Applications	Thread
104-42320	4232-7	Fits ¾" aerator inlet & 103-38860 thru-hull	¾" - 14 NPSM
103-38850	3885-3	Same as above - plastic	¾" - 14 NPSM



DOMETIC OUTDOOR

REMOTE BULKHEAD FITTINGS

These remote bulkhead fittings offer boaters a simple solution to cleanly route hoses through the hull while maintaining safety & aesthetics. Available in both single or dual hose applications for ultimate customization. Stainless steel options provide cleaner styling & corrosion resistance while blending in with your boat's stainless trim.

KEY BENEFITS

- Field installable series of products reduces the amount of stocking hose SKUs by allowing the user to install these on a standard hose kit
- Split grommet design allows for easy installation onto a hose assembly
- Increased inner diameter of plastic base plate simplifies fitting installation by allowing crimped hose fitting to pass through the base plate
- Stainless steel cover plates available for both single and dual applications provide cost effective cosmetic upgrade

NEW!

039-71000

039-72000

039-71050

039-72050

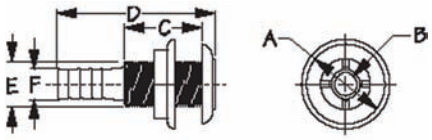
ORDER NO.	Mfr. No.	Description
039-71000	H07100	Kit Field installed Bulkhead, **Single Hose, Stainless, pair**
039-71050	H07105	Kit Field installed Bulkhead, **Single Hose, Plastic, pair**
039-72000	H07200	Kit Field installed Bulkhead, **Dual Hose, Stainless, each**
039-72050	H07205	Kit Field installed Bulkhead, **Dual Hose, Plastic,each**

For more information see: www.dometic.com

SEA-DOG LINE QUALITY MARINE GEAR

THRU-HULL

Injection Molded Polypropylene



ORDER NO.	Mfr. No.	A	B	C	D	E	F	Colour
425-20750	520750-1	1-13/16"	1/2"	1-11/16"	3-1/2"	1"	3/4"	White

For more information see: www.sea-dog.com

TH MARINE

CEACAP™ BULKHEAD PASS-THRU FITTING

- Watertight seal for cables, tubing or wires
- Self-attaching - no hardware needed
- Turn down washer included
- Fits 3/4" hole - slot is 1/4" dia.

ORDER NO.	Mfr. No.	Description
205-99010	TH-CC-1-DP	Black
205-99011	TH-CC-2-DP	White
205-96101	UG-1-DP	Grommet

Size: 3-3/8"OD, Max Hole Size: 2-3/8"

FLOW-MAX™ BALL SCUPPER

- Replaces worn out flapper scuppers.
- 70% more drainage than competitive models.
- New twist-off feature for clearing debris.
- Retrofits all hole patterns.
- Stainless steel lock screw for safety.
- Seal slotted to fit over 1-1/4" motorwell tube.
- Large 1-1/8" drain
- Meets all ABYC specs.

ORDER NO.	Mfr. No.	Colour
205-11010	FMS-1-0-DP	Clear

DOUBLE BARB INLINE SCUPPER

- Prevents backwash
- Chemical resistant material
- Thermo-plastic flapper
- Black

ORDER NO.	Mfr. No.	Hose Size
205-12000	ILS-1200-DP	1-1/8"

COCKPIT SCUPPER DRAINS

- Check ball inside prevents water backup
- High strength material, UV stabilized
- Top screen removable for cleaning

ORDER NO.	Mfr. No.	Description	Hose Dia.
205-00092	CSD-92-DP	90° Outlet, White	1-1/2"

For more information see: www.thmarine.com

DetMar CORPORATION

MOTORWELL DRAIN TUBE

- High strength polypropylene construction
- Serrated snap fit installation
- Installation hole diameter: 1" .
- Fits transom thickness up to 2-1/4".

ORDER NO. 101-10255

Mfr. No. 10-25-5P

Colour: White

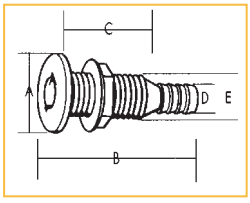
For more information see: www.detmar.com

THRU-HULL FITTINGS

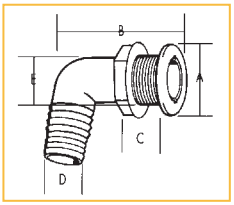
BRITE PLATE™ CHROME PLATED POLYPRO THRU-HULL FITTINGS

- Look of stainless - price of plastic
- Strong plating process strengthens parts & resists chemicals
- Five step metal bonding process
- Won't flake, chip or easily scratch
- For above waterline use

Straight Fittings - Inches



90 Degree Fittings - Inches



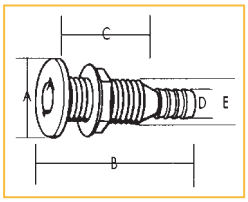
ORDER NO.	Mfr. No .	Description	A	B	C	D(Hose)	E
205-00750	TH-750CP-DP	Straight	1-1/2"	3-1/16"	1-3/4"	3/4"	1"
205-01200	TH-1200CP-DP	Straight	1-7/8"	3-1/2"	1-3/4"	1-1/8"	1-3/8"
205-01500	TH-1500CP-DP	Straight	2-7/8"	3-1/2"	1-3/4"	1-1/2"	2"
205-07590	TH-7590CP-DP	90˚	1-1/2"	2-1/2"	1"	3/4"	1"
205-01290	TH-1290CP-DP	90˚	1-7/8"	3-1/2"	1-1/8"	1-1/8"	1-3/8"
205-01590	TH-1590CP-DP	90˚	2-7/8"	4-1/4"	1-5/8"	1-1/2"	2"

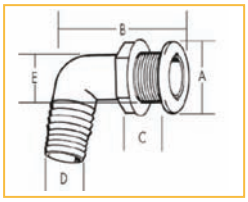
THRU-HULL FITTINGS - POLYPRO

- High quality UV and chemical resistant virgin polypro
- Sized to fit all marine hose
- 90˚ Features finished head & pass-around nut

ORDER NO.	Mfr. No.	Description	Colour	A	B	C	D(Hose)	E
Straight Fittings								
205-00652	TH-652-DP	Straight	White	1-3/8"	3-3/8"	1-3/4"	5/8"	1"
205-00750-1	TH-750-DP	Straight	Black	1-3/8"	3-1/16"	1-3/4"	3/4"	1"
205-00752	TH-752-DP	Straight	White	1-3/8"	3-1/16"	1-3/4"	3/4"	1"
205-01200-1	TH-1200-DP	Straight	Black	1-7/8"	3-1/2"	1-3/4"	1-1/8"	1-3/8"
205-01202	TH-1202-DP	Straight	White	1-7/8"	3-1/2"	1-3/4"	1-1/8"	1-3/8"
205-01500-1	TH-1500-DP	Straight	Black	2-7/8"	3-1/2"	1-3/4"	1-1/2"	2"
205-01502	TH-1502-DP	Straight	White	2-7/8"	3-1/2"	1-3/4"	1-1/2"	2"
205-00750-1-XL	TH-750XL-DP	Straight	Black	1-3/8"	4-1/2"	3"	3/4"	1"
205-00752-XL	TH-752XL-DP	Straight	White	1-7/8"	3-1/2"	3"	3/4"	1"
205-01200-1-XL	TH-1200XL-DP	Straight	Black	1-7/8"	5-3/8"	3-3/8"	1-1/8"	1-3/8"
205-01202-XL	TH-1202XL-DP	Straight	White	1-7/8"	5-3/8"	3-3/8"	1-1/8"	1-3/8"
205-01500-1-XL	TH-1500XL-DP	Straight	Black	2-7/8"	5-3/8"	3-1/4"	1-1/2"	2"
205-01502-XL	TH-1502XL-DP	Straight	White	2-7/8"	5-3/8"	3-1/4"	1-1/2"	2"
90˚ Fittings								
205-07590-1	TH-7590-DP	90˚	Black	1-3/8"	2-1/2"	1"	3/4"	1"
205-07592	TH-7592-DP	90˚	White	1-3/8"	2-1/2"	1"	3/4"	1"

Replaces Detmar Thru-Hull Connectors





For more information see: www.thmarine.com

A Lifetime of Stainless Performance!

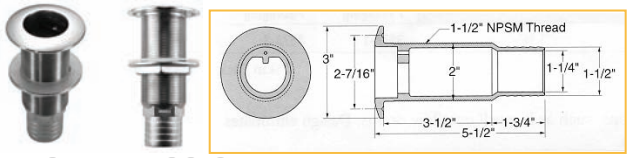
Polish your image with these beautiful, durable stainless steel fittings. Each Thru-Hull and Scupper Valve is available with a new silicone gasket and are backed by Attwood's trusted Lifetime Warranty! Why specify plastic parts when these fittings will last the life of the boat?

- Rugged stainless construction - #316 stainless steel alloy
- Solid silicone watertight gasket - will not deteriorate or shrink over time
- Faster, simpler installation - Barbed tail ends provide plenty of room to hold multiple clamps

STAINLESS STEEL STRAIGHT THRU-HULL CONNECTORS - BARBED

- Two lengths are available. The Standard model has full length thread for thick hulls for easy tightening. The Short thread is a more compact size. Allows installation near corners and in confined areas.
- Stainless steel thru-hull connectors are designed for installation above the waterline only

ORDER NO.	Mfr. No.	Description / Hose ID
106-66540	66540-3	Connectors Short - 5/8
106-66541	66541-3	Connectors Short - 3/4"
106-66543	66543-3	Connectors Short - 1-1/8"
106-66545	66545-3	Connectors Short - 1-1/2"
106-66546	66546-3	Connectors - 5/8"
106-66547	66547-3	Connectors - 3/4"
106-66549	66549-3	Connectors - 1-1/8"
106-66551	66551-3	Connectors - 1-1/2"



STAINLESS STEEL SCUPPER VALVE - BARBED

Good Looks and Stainless Durability!

- The Scupper Flap is tough neoprene rubber with a molded V-groove to reduce backwash.
- Fasteners are concealed and corrosion resistant.
- Stainless steel scupper valves are designed for installation above the waterline only

ORDER NO.	Mfr. No.	Description
106-66553	66553-3	Scupper - 1-1/2" Hose ID

THRU-HULL FITTINGS

Durable nylon plastic fittings suitable for exhausting water from bilge pump or other sources. Ranges of styles and sizes to meet every requirement.

THRU-HULL CONNECTOR WITH STRAINER

Accommodates 3/4" I.D. hose. Thru-hull connector with strainer prevents debris from entering and clogging the aerator pump. Strainer attaches to threads that extend beyond external retaining nut. Tough acetal construction.

- Maximum hull thickness: 1-7/16"
- Designed for installation above the waterline only
- Installation hole size: 1-1/16" to 1-1/8" diameter

Caution: Do not use strainer as a thru-hull connector nut replacement

ORDER NO. 103-38860

Mfr. No. 3886-3

REPLACEMENT STRAINER ONLY

ORDER NO. 103-38850

Mfr. No. 3885-3

STRAIGHT HOSE CONNECTOR

Barbed end accommodates 3/4" I.D. hose. Threaded end fits TSUNAMI Series Threaded outlet Acetal construction.

ORDER NO. 103-38990

Mfr. No. 3899-3

90° HOSE-TO-BARB CONNECTOR

for 3/4" I.D. hose

Barbed end fits 3888 drain fitting or A-series aerator pump outlets and TSUNAMI Series threaded outlet. Acetal construction.

ORDER NO. 103-38900

Mfr. No. 3890-3

4" THRU-HULL CONNECTOR

for 3/4" I.D. hose; White

Thru-hull connector with 4" stem length for thicker transoms or hulls. Made with durable thermoplastic construction which prevents electrolysis.

- Max. Hull thickness: 2"
- Installation hole size: 1-1/16" to 1-1/8" dia.
- Flange diameter: 2"

ORDER NO. 103-38960

Mfr. No. 3896-3

ELECTRIC BILGE PUMPS

FULLY AUTOMATIC BILGE PUMPS NARROW LOW PROFILE

SUPERSUB SMART

High Capacity

Fits Deep In The Bilge Where Other Pumps Can't Reach

- Integrated Intelligent Control Sensor Switch for automatic operation Field Sensor Technology
- No separate bilge switch required
- Retrofitable - now with angled mounting bracket to aid installation**
- Unaffected by wave motion - optimized on/off timings prevent run on
- Environmentally friendly - mercury free
- Includes manual override facility
- Solid state switching - no moving parts
- Suitable for use with fresh or salt water
- Conforms to ISO 8849 & ISO 15083
- Ignition protected per ABYC & USCG standards
- NMMA type accepted

New Improved Design

897-52120

897-12120

- Built in non-return valve & stepped port
- Rotates to suit your installation
- Integrated bleed ball prevents airlocks
- Easy clean unique strainer
- Straight forward installation Multi-position pump head & body

Automatic Models	SUPERSUB SMART 650 GPH w/ Barbed Connection	SUPERSUB SMART 1100 GPH w/ Non-return Valve
ORDER NO.	**897-52120**	**897-12120**
Mfr. No.	SS5212	SS1212
Open Flow Rate	650 GPH (40 l/min @ 13.6 V dc	1050 GPH (66 l/min @ 27.2 V dc
Flow Rate at 1m (3 ft.) head	550 US GPH (34 l/min)	750 GPH (47 l/min)
Nominal Voltage	12 V dc	12 V dc
Current Draw	3.4 amps	5 amps
Recommended Fuse	5.0 amps automotive	5.0 amps automotive
Wire Size	1.5 mm^2 (16 AWG)	1.5 mm^2 (16 AWG)
Weight	0.326 kg. (0.71 lbs.)	0.45 kg. (1 lbs.)
Max Discharge Head	3 m (10 ft.)	3 m (10 ft.)
Hose Connection	3/4" (19 mm) / 25 (1") Stepped Port	1" - 1-1/8" (25 / 28mm) Stepped Port
Materials	Pump Body: Polypropylene, high temperature ABS, fully potted circuitry. Locking Ring: Acetal, Impeller; Glass-filled Polypropelene Seals; Nitrile®, Fasteners; Stainless steel	
Overall Height	75 mm (3")	75 mm (3")
Overall Width	54 mm (2-1/8")	54 mm (2-1/8")
Overall Length	212 mm (8-3/8")	240 mm (9-1/2")

ELECTRIC BILGE PUMPS ORCA

ORCA

Compact & Powerful Vertically Stacked Submersibles. Whale's Widest Range of Electric Submersible Bilge Pumps

• Efficient Design

Ensures maximum surface area exposure to bilge water

• Robust Housing

Fuel resistant ABS

• Easy Maintenance

Easy access to motor cartridge & filter

• Easy Release Cover

Simply press both buttons & pull to release

• Simple Plumbing

500 models: 19 mm (3/4") ports,
950, 1300 models: 25 mm (1") or
28.5 mm (1-1/8") stepped port connections

• Versatile Installation

Choose from multiple wire location options

• Low Amp Draw

Means long battery life

• 2000 Model

Self clearing - prevents cavitation

Manual Models	ORCA 2000 US GPH
ORDER NO.	**897-20020-BE**
Mfr. No.	BE2002
Boat Type (by length)	6 to 24 meters (20 to 80 feet)
Open Flow Rate	2000 GPH (126 l/min @ 13.6 V dc
Flow Rate at 1 m (3 ft.) head	1650 US GPH (104 l/min)
Nominal Voltage	12 V dc
Current Draw	10 amps
Recommended Automotive Fuse	15 amps
Weight	1.32 kg (2.9 lbs.)
Hose Connection	1-1/8" (28.5 mm)
Wire Size	1.5 mm^2 (16 AWG)
Materials	Pump Body: ABS, Seals: Nitrile®, Impeller: Acetal
Max Discharge Head	4 m (13 ft.)
Overall Height	165 mm (6.5")
Overall Width	144 mm (5.7")
Overall Depth	120.5 mm (4.74")

For more information see: www.whalepumps.com

GULPER® 320

Easy Access Remote Mount Bilge
For Protection & Easy Inspection

No clog, no filter waste pump built on more than a decade of market leading pump technology

CE

Easy Access & Product Protection

- Meets requirements for primary bilge pump for boats up to 12 m (39.4 ft.)
- Ideal where bilge space is limited
- Long life high, dry & protected
- ISO15083 Marine standard suitable as a primary bilge pump (for vessels up to 12m) or secondary bilge pump in accordance with ISO8849.
- Ignition protection ISO8846

- **Easy Maintenance -** Non-choke valves, no filter to block or clean
- **Ezi-clamp -** Twist & single screw to secure
- **Securing Strap -** Ensures pump remains in place in harsh marine conditions
- **Secure -** Three feet design - only 3 screws required
- **Reliability -** Double outlet valves to continuous flow
- **Simple Plumbing -** Barbed connections 19 mm (3/4") or 25 mm (1") hose size
- **Installation -** Multi directional head rotates 360° for convenient installation

Electric Bilge	GULPER® 320
ORDER NO.	**897-20520**
Mfr. No.	BP2052
Voltage	12 V dc
Hose Connections	3/4" (19 mm) + 1" (25 mm)
Nominal Voltage	12 V dc
Recommended Fuse	10 amp automotive
Min. Wire Size	1.5 mm² (16 AWG)
Weight	1.6 kg (3.5 lbs.)
Materials	Pump Head: Glass-filled Nylon, Valves & Diaphragm: Santoprene
Max. Suction Lift	3 m (10 ft.)
Max. Discharge Head	3 m (10 ft.)
Max. Discharge Head & Suction Lift Combined	4 m (13.5 ft.)

Performance Data		
Suction Lift	0 m	0 m
Discharge Lift	1 m (3 ft.)	3 m (10 ft.
Hose Size	3/4" (19 mm)	1" (25 mm)
Flow Rate per Minute	19 liters (5 US Gals)	17.5 liters (4.6 US Gals)
Current Draw	7.5 amps (12V dc) 3.25 amps (24V dc)	8 amps (12V dc) 4 amps (24V dc)

For more information see: www.whalepumps.com

@ Have a Technical Question?

Contact our Technical Support Staff
email: techsupport@ccmarine.ca

MANUAL BILGE PUMPS - Gusher® Range *Tough & Lightweight Polypropylene Models*

Gusher® 10

The Original Bilge Pump Choice for Sailors in Extreme Conditions
Robust Design stands up to the Toughest Marine Conditions

- Ideal for workboats, cruisers, offshore racing
- Designed for simple installation & maintenance
- Efficiency: Large high flow non-choke valves
- Typical Uses: Bilge pump out, holding tank pump out
- Easy pump action - Self priming, easy grip handle
- Durability: Long life LM6 diecast alloy
- Mounting Options: (deck, bulkhead, thru deck)

GUSHER® 10 Mk3 Models	Standard	Thru Deck / Bulkhead
ORDER NO.	897-37080-BP	897-37400-BP
Mfr. No.	BP3708	BP3740
Hose Connections	38 mm (1-1/2") Smooth Hose Connections	
Materials	Pump Body: Marine Grade LM6 Aluminum Alloy (epoxy coated), Diaphragm: Neoprene (Nitrile® option available) Fasteners: Stainless Steel	
Materials in Contact with Fluid	Marine Grade LM6 Aluminum Alloy (Epoxy Coated), Neoprene, Nitrile®, Stainless Steel	
Max Suction Lift	4 m (13.5 ft.)	
Max Discharge Head	4 m (13.5 ft.)	

Suitable as a primary bilge pump on boats equal to or greater than 12m (40 ft.) in accordance with ISO150831

Performance Data	BP3708	BP3740
Weight	2.3 kg (5 lb)	
Suction Lift	1 m (3 ft.)	2 m (6 ft.)
Discharge Head	0.5 m (1.5 ft.	
45 Strokes per Min.	41 L (11 US Gals.)	
70 Strokes per Min.	65 L (17 US Gals.)	

Service Kits/Accessories

ORDER NO.	Mfr. No.	Description
897–37060	AK3706	Gusher 10, Service Kit, Neoprene, for Mk2 & 3
897–37140	AK3714	Gusher 10, Service Kit, Nitrile®, for Mk2 & 3
897–38040	DP3804	Gusher 10, Alloy Deck Plate

Gusher® Urchin

Compact Bilge & Waste Water Transfer Pump

- Compact design is ideal for confined spaces
- Smooth easy action up to 55 liters (14.5 US gals) per minute
- Clamp ring easily removed for pump head rotation & quick maintenance
- Three different mounting orientations: (deck, bulkhead & thru deck models)
- Dual size nozzles for 25 mm (1") or 38 mm (1½") hose

It is important to ensure that a vented anti-syphon loop is incorporated in the system

Performance Data	BP9005/BP9013/BP9021	BP9005/BP9013/BP9021
25 mm (1") Hose		
Suction Lift	1 m (3 ft.)	2 m (6 ft.)
Discharge Head	0.5 m (1.5 ft.	0.5 m (1.5 ft.
45 Strokes per Min.	25 L (7 US Gals.)	25 L (7 US Gals.)
70 Strokes per Min.	43 L (11.4 US Gals.)	40 L (10.6 US Gals.)
38 mm (1-1/2") Hose		
Suction Lift	1 m (3 ft.)	2 m (6 ft.)
Discharge Head	0.5 m (1.5 ft.	0.5 m (1.5 ft.
45 Strokes per Min.	37.5 L (9.9 US Gals.)	36 L (9.5 US Gals.)
70 Strokes per Min.	55 L (14.5 US Gals.)	53 L (14 US Gals.)

GUSHER® URCHIN Models	On Deck Fixed Handle	Thru Deck Bulkhead	On Deck Removable Handle
ORDER NO.	897-90050	897-90130-BP	897-90210-BP
Mfr. No.	BP9005	BP9013	BP9021
Hose Connections	25 mm (1") or 38 mm (1-1/2") Smooth Hose Connections		
Materials	Pump Body: Glass-filled Polypropylene, Clamp Ring: Acetal, Diaphragm: Neoprene, (Nitrile option available) Operating Lever (BP9021 only): Glass-filled Nylon Handle, Springs, Fasteners: Stainless Steel		
Materials in Contact with Fluid	Glass-filled Polypropylene, Nitrile, Neoprene, Stainless Steel		
Max Suction Lift	4 m (13.5 ft.)		
Max Discharge Head	3 m (10 ft.)		

(25 mm (1") Suitable as a primary bilge pump on boats up to 12m (40 ft.) in accordance with ISO150831
(38 mm (1-1/2") Suitable as a primary bilge pump on boats equal to or greater than 12m (40 ft.) in accordance with ISO150831

Service Kit

ORDER NO.	Mfr. No.	Description
897-90030-AK	AK9003	Gusher® Urchin Service Kit, Neoprene

Gusher® Titan

Powerful Lightweight Bilge and Waste Pump. Whale's tough lightweight proven pump. A design that has been tried tested & trusted by sailors for decades.

- High flow rate: 105 liters (28 US gals) per minute
- Clamp ring easily removed for pump head rotation & quick maintenance
- Typical Uses: Bilge pump out, Holding tank pump out, Toilet flush
  Ease of operation - Self priming & spring assisted outlet valve
  Straight forward installation
- 2 Mounting Options: Bulkhead & thru deck models

It is important to ensure that a vented anti-syphon loop is incorporated in the system

PERFORMANCE DATA		
Suction Lift	1 m (3 ft.)	2 m (6 ft.)
Discharge Head	0.5 m (1.5 ft.	0.5 m (1.5 ft.
45 Strokes per Min.	67 L (18 US Gals.)	65 L (17 US Gals.)
70 Strokes per Min.	105 L (28 US Gals.)	98 L (26 US Gals.)

Service Kit

ORDER NO.	Mfr. No.	Description
897-44000-AK	AK4400	Gusher® Titan Service Kit, Neoprene, (For On Deck Installations)

GUSHER® TITAN Models	On Deck	Thru Deck / Bulkhead
ORDER NO.	**897-44020-BP**	**897-44100**
Mfr. No.	BP4402	BP4410
Weight	1.5 kg (3.3 lb)	1.85 kg (4.1 lb)
Hose Connections	38 mm (1-1/2") Smooth Hose Connections	
Materials	Pump Body: Glass-filled Polypropylene, Clamp Ring: Acetal Diaphragm and Valves: Neoprene, (Nitrile option available) Operating Lever: Glass-filled Nylon Gaiter: EPDM, Fasteners: Stainless Steel	
Materials in Contact with Fluid	Glass-filled Polypropylene, Nitrile, Neoprene, Stainless Steel	
Max Suction Lift	4 m (13.5 ft.)	
Max Discharge Head	4 m (10 ft.)	

Suitable as a primary bilge pump on boats equal to or greater than 12m (40 ft.) in accordance with ISO150831

MANUAL BILGE PUMPS - Low Profile - Compact Range

Compac 50

Low Profile Under Deck Bilge Pump

- Designed for confined spaces where you have limited space to fit your pump
- Compact design easily installed in tight bilge spaces where other pumps simply cannot fit
- Tough, proven, reliable design
- Includes sleek Whale deck plate with cover
- 120 mm (4-3/4") deep for low profile installation underdeck
- Clamp ring easily removed for head rotation & quick maintenance
- Suitable for pumping bilge water and diesel

It is important to ensure that a vented anti-syphon loop is incorporated in the system

Manual Models	COMPAC 50 Low Profile Compact Range
ORDER NO.	**897-03500**
Mfr. No.	BP0350
Hose Connections	25 mm (1") Smooth Hose Connections
Materials	Pump Body: Glass-filled Polypropylene, Clamp Ring: Acetal, Diaphragm, Valves & Seals: Nitrile Operating Lever: Glass-filled Nylon Gaiter: EPDM, Deck Plate Cover: PBT, Fasteners: Stainless Steel
Materials in Contact with Fluid	Glass-filled Polypropylene, Nitrile, Stainless Steel
Max Suction Lift	3 m (10 ft.)
Max Discharge Head	4 m (13.5 ft.)
Performance Data	
Suction Lift	1 m (3 ft.)
Discharge Head	0.5 m (1.5 ft.
45 Strokes per Min.	32 L (9 US Gals.)
70 Strokes per Min.	35 L (9.2 US Gals.)

Suitable as a primary bilge pump on boats equal to or greater than 12m (40 ft.) in accordance with ISO150831

GUZZLER HAND PUMPS

Use Guzzler hand pumps to dewater bilges, or any place emergency pumping is required. Rugged construction of Dupont Delrin, with reinforced diaghragm and flapper valves make Guzzlers impervious to many fuel oils, solvents and detergents. They will even handle small stones and slurry without hampering use. Guzzler 400 uses 1" hose - Guzzler 500 uses 1-1/2" hose.

Guzzler 400-H Hand Pump

MODEL 400-H
Horizontal Mount
 # 438-04000

Guzzler 400-V Hand Pump

MODEL 400-V
Vertical Mount
 # 438-04001

Guzzler 500-H Hand Pump

MODEL 500-H
Horizontal Mount
 # 438-05000

Guzzler 500-V Hand Pump

MODEL 500-V
Vertical Mount
 # 438-05001

SPECIFICATIONS & DIMENSIONS

ORDER NO.	TYPE	Capacity	Dimension L x W x H	Port Size I.D.	Port Size O.D.	Hand Stroke
GUZZLER 400						
438-04000 438-04001	400 Horizontal 400 Vertical	10 GPM / 37.9L	10" x 5" x 4" / 25.4cm x 12.7cm x 10.1cm	3/4" (19mm)	1" (25.4mm)	7" (12.8cm)
GUZZLER 500						
438-05000 438-05001	500 Horizontal 500 Vertical	15 GPM / 67.5L	10" x 5" x 4" / 25.4cm x 12.7cm x 10.1cm	1-1/4" (31.7mm)	1-1/2" (38.1L)	7" (12.8cm)

THRU-DECK MOUNTING KIT

Quick, permanent mounting below deck, seat or cockpit sole. Kit includes 1-Delrin Deck Plate, 1 watertight boot, 1 set of spacers with S.S. Screws.
Use only with Vertical Handle.

For use with Guzzler 400 & 500 Vertical Mount Pumps only.
Mfr.No. A-11001
ORDER NO. 438-00340

SEA-LECT Y-VALVE

Use the SEA-LECT Y-Valve with any pump - portable, electric or mounted hand-pump. It can be mounted in any handy place between the pump's intake and the hose leading to the boat's low water points.
Fits 1", 25.4 mm I.D. hose or 1-1/2", 31.8 mm I.D. w/adapters.

Sea-Lect Y-valve Model 94

Sea-Lect Y-valve Model BM-95

ORDER NO.	Mfr. No.	Size
438-00940	Y-10001	1'' for Guzzler 400
438-00950	Y-21001	1-1/2'' for Guzzler 500

REPLACEMENT PARTS FOR GUZZLER 400/500

ORDER NO.	Description
438-00080	Handle Only (Vertical) / 400 & 500
438-00090	Horizontal Handle w/Actuator / 400 & 500
438-00130	Diaphragm (Buna-N) / 400 & 500
438-14400	Flapper Valves (pr.) / 400
438-14500	Flapper Valves (pr.) / 500
438-15400*	Service Kit / 400
438-15500*	Service Kit / 500

**Service Kit contains Diaphragm & Flapper Valves*

1

2

Fig.	ORDER NO.	Description
1.	438-00740	Foot Valve for Guzzler 400
1.	438-00750	Foot Valve for Guzzler 500
2.	438-00840	Suction Hose Strainer / 400
2.	438-00850	Suction Hose Strainer / 500

Scotty

5 Year Warranty

HAND PUMPS

- Large handle for easier operation
- Stainless steel piston rod for strength & durability
- Easily disassembled for cleaning
- 1-1/2" barrel diameter means quick pumpouts
- Includes 24" of 1-1/8" black bilge flex hose

ORDER NO.	Mfr. No.	Description
382-05440	544	13.5" Bilge Pump
382-05450	545	21" Bilge Pump
382-05480	548	34" Bilge Pump

KAYAK PUMP

- Stainless steel piston rod for strength & durability
- Comes with pump float

ORDER NO.	Mfr. No.	Description
382-05441	544K	13-1/2" Kayak Pump

For more information see: www.scotty.com

rule
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PORTABLE HAND PUMP

Constructed of sturdy ABS plastic with comfort-grip handle providing smooth firm strokes.
Capacity: 10 GPM
Hose Size: 1-1/8" I.D.
Size: 36"

ORDER NO. 272-00168
Mfr. No. 168
Pump with 4 ft. hose

Johnson Pump®

MANUAL BILGE PUMPS

Ideal for inflatables & small craft, as well as sailboats. A real lifesaver to have on board all boats as an emergency pump when the power is out.
Light, tough, durable easy handling, extra fast pumping hand pumps are ideal stow aboards. Comfortable handle grip and extra large capacity makes manual pumping less of a chore.

ORDER NO.	Mfr. No.	Description
671-20195-1W	20195-1W	18", 8 Strokes per Gallon
671-20255-1W	20255-1W	24", 6 Strokes per Gallon

For more information see: www.spxflow.com/johnson-pump-marine

JABSCO
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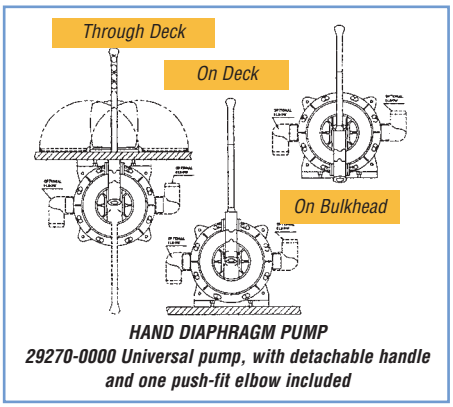
AMAZON UNIVERSAL

For mounting on bulkhead, through bulkhead, on deck, or through deck (with optional through deck kit). Readily achievable 22 gallons/min output

Features:

- Unique safety feature allows operation from both inside and outside the cabin (with optional Through deck kit)
- Flow rate of up to 25 gpm
- Self-priming up to 10 ft
- Push-fit inlet and outlet elbows swivel through 360° to increase flexibility of installation
- Corrosion resistant materials throughout
- Quick release clamp ring gives fast access for blockage clearance
- 1-1/2" ports give excellent solids handling ability for use with holding tanks
- Stainless steel handle supplied with mounting clips and provision for safety lanyard
- Dimensions: 9-1/2"W x 9-1/2"H x 6" D
- Connections for 1-1/2" ID hose



HAND DIAPHRAGM PUMP
29270-0000 Universal pump, with detachable handle and one push-fit elbow included

ORDER NO.	Description
29270-0000	Universal Pump, with detachable handle and one push-fit elbow
29279-0000	Optional through deck kit
29266-1000	Additional push-fit elbow

ACCESSORIES FOR AMAZON UNIVERSAL

 # 29279-0000
Through Deck Kit for Universal Pump

 # 29290-1010
Bilge Strainer for 1-1/2" (38mm) Hose.

 # 29266-1000
Additional Push-Fit Elbow for Universal Pump

 # 29295-1011
In-Line non-return valve for 4-1/4"L x 2-1/2"W x 2"H (19mm) ID Hose

For more information see: www.xylem.com

Whale

Complete Your System

ELECTRIC FIELD SENSOR RANGE

- Electric field sensor automatically senses water levels and switches on the bilge pumps
- Nylon Material - withstands high temperatures
- Easy Wiring: Two colour coded wires for easy installation
- Automatically switches on when 51 mm (2") of water is sensed & turns off when water drops below 13 mm (1/2")

ORDER NO.	Mfr. No. D.C.	Description	Voltage	Current	Residual Current
897-90030	BE9003	Electric Field Sensor Switch	12V or 24V	Suitable up to 20 amps	0.008 amp

Suitable for Orca & Supersub Standard Submersible Ranges.

DECK PLATE

- Provides a neat cover over manual bilge pumps
- Aesthetic designs
- Manufactured from UV plastic
- Will not fade or discolour
- Snap-shut lid remains closed when pump is not in use

ORDER NO.	Mfr. No.	Model	Materials	For Use With
897-38040	DP3804	Metal 4 Hole	Cast & Aluminum LM6	Gusher® 10 Gusher® 30 (BP3020)

Suitable for Orca & Supersub Standard Submersible Ranges.

BILGE STRAINER - 1" / 1-1/2" STRAINER

- 1" (25 mm) / 1-1/2" (38 mm) Strainers w/ top or side entry
- Materials: Polypropylene

ORDER NO.	Mfr. No.
897-42220	SB4222

SPARE SERVICE KITS

ORDER NO.	Mfr. No.	Description
897-37060	AK3706	Gusher 10 Mk 2 Service Kit, Neoprene
897-37140	AK3714	Gusher 10 Mk 2 Service Kit, Nitrile
897-44100	BP4410	Titan Service Kit, Nitrile
897-90050	BP9005	Urchin Service Kit, Nitrile

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BILGE PUMPGARD™ STRAINER

- Strainer protects all electric diaphragm bilge pumps.
- Prevents unnecessary pump breakdowns caused by particles in the water.
- Transparent housing allows instant inspection.
- 46200-0000 model installs in-line between bilge pick up and pump.
- Quick in-place cleaning of the 20 mesh stainless steel screen.

Fitting: Connections for 3/4" (19mm) ID hose.
Size: 4-3/4" long x 2-3/4" wide x 2-1/2" high (12cm x 7cm x 6cm).

ORDER NO. 46200-0000
Model for 3/4" (19mm) ID hose.
ORDER NO. 46200-0010
3/4" (19mm) ID hose x Plug-in 90°

REPLACEMENT PARTS ONLY

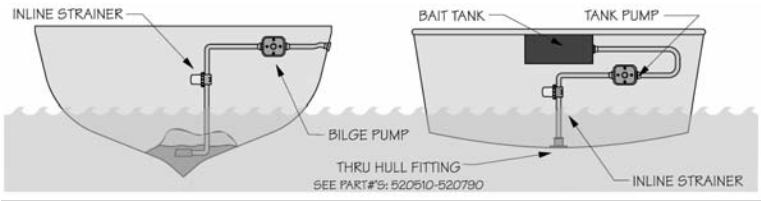
"OLD STYLE" PUMPGARD IN-LINE STRAINERS - (Screw on top of Bowl)

	For In-Line Bilge	For Water Systems
	ORDER NO.	ORDER NO.
Replacement Screen	36139-0000	36138-0000
O-Ring	36403-0000	36403-0000
Clear Bowl	Not Available	Not Available

NOTE: Older Style PUMPGARD STRAINERS are now replaced by the newer version with the bowl threaded to the base.

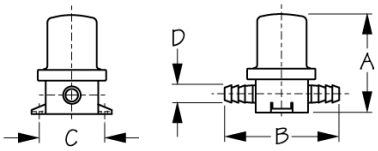
For more information see: www.xylem.com

SEADOG® LINE
QUALITY MARINE GEAR



IN-LINE STRAINER

Injection Molded Polypropylene Body/Polycarbonate Lens with Stainless Steel Filter Screen.
Removable clear lens for ease of cleaning and changing filter. Filter is interchangable with Par Jabsco®. Filter should be mounted above water level line and on suction side of pump.



ORDER NO.	Mfr. No.	Screen Size	A	B	C	D	Fastener
423-64135	364135	50 Mesh	3-9/16"	4-1/16"	2-9/16"	1/2" Hose	#10 RH
423-64137	364137	1/16" Mesh	3-9/16"	4-1/16"	2-9/16"	3/4" Hose	#10 RH

For more information see: www.sea-dog.com

FLOJET
a xylem brand

QUAD II DIAPHRAGM PUMPS
FOUR CHAMBER
4105 & 4125 SERIES
BAIT, DIESEL TRANSFER
& GENERAL PUMPS

4105 SERIES - 3.3 GPM

- Volts: 12 VDC
- 3.3 GPM for 15-30 gal. tanks
- Flow Rate: Up to 12.5 Liters/Min (3.3 US Gallon/Min)
- Self-priming up to 10 ft. (3m) vertical lift
- Amp Draw: 3.6 amp
- Runs-dry without damage
- Corrosion resistant materials
- Oil resistant elastomers - suitable for diesel transfer
- Includes quick-connect 3/4" hose barb and 3/4" garden hose ports
- Includes Jabsco Pump Guard strainer
- Dimensions: 8.2"L x 6.3"W x 3.75"H

ORDER NO.	Mfr. No.
410-55010	04105501A

4125 SERIES - 5.0 GPM

- Volts: 12 VDC
- 5.0 GPM for 30-50 gal. tanks **w/Thermal Overload Protection**
- Flow Rate: Up to 18.9 Liters/Min (5 US Gallon/Min)
- Self-priming up to 10 ft. (3m) vertical lift
- Amp Draw: 8 amp
- Runs-dry without damage
- Corrosion resistant materials
- Includes quick-connect 3/4" hose barb and 3/4" garden hose ports
- Includes Jabsco Pump Guard strainer
- Dimensions: 9.9"L x 6.3"W x 3.75"H

ORDER NO.	Mfr. No.
412-55020	04125502A

2840 SERIES - 4.5 GPM
WATER BOOSTER SYSTEM
HIGH VOLUME

Typical uses include applications where available water pressure is very low, and fluctuates widely. Kit consists of a 12V Quad MPU, 4.5 GPM, SW40, 0.77 gallon capacity accumulator tank, plastic mounting board, and pump inlet strainer.

- Volts: 12 VDC
- Fully automatic w/ built-in strainer, pressure switch and check valve
- Provides smooth flow
- Pressure Switch Setting: 40 psi (0.7 to 2.7 bar)
- Flow Rate: 4.5 GPM (17 Liters/Min)
- Max. Flow Rate: 4.5 GPM @ 10PSI (0.7 bar)
- Integrated pump and tank system
- May be mounted vertically or horizontally
- Port Type: 1/2" hose barb
- Easy installation requires only that the water lines be connected, and the power cord plugged in.

ORDER NO.	Mfr. No.
284-01000	02840100A

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MEDIUM & HEAVY DUTY PUMPS

PAR diaphragm pumps provide dependable service and top performance.
Self-priming so they can be remotely mounted in a high and dry location.
Unique run-dry diaphragm design.
Belt drive and rubber mounting pads reduce noise and vibration.
Long life permanently lubricated ball bearings.
Corrosive resistant base assembly.
Inlet and outlet ports for 3/4" ID hose
except 34600 which has 1" ports.

46200-0000
Supplied with 36680 and 36600 series pumps. Std. Carton 4 units.

36680-2000

36600-0000

ORDER NO.	VOLTS	AMP/ FUSE SIZE	FLOW GPM (LPM)	Dimensions - in (mm) HEIGHT	WIDTH	LENGTH
36680-2000	12 Vdc	7/10	5.5 (20,8)	8-1/2 (216)	6-1/2" (165)	7-5/8 (194)
36600-0000	12 Vdc	11/15	8.0 (30,3)	8-1/4 (210)	5-7/8 (150)	5-7/8 (150)

PAR-MAX 4
MODEL NO. 31705

New generation, continuous rated bilge pump with waterproof coating for harsh environments.

- 258 gph (978 lph) open flow output
- Self-priming up to 10ft (3m) allows mounting above wet bilges.
- Diaphragm design allows extended dry running.
- Build-in thermal overload protection.
- Complete with Pumpgard™ strainer.
- Complies with USCG 183.410 and ISO 8846 MARINE (Ignition protection).
- ISO 8849 MARINE (Bilge Pump Standard).

Fitting: Connections for 3/4" (19mm) ID hose.
Size: 7-1/4" long x 4-1/8 " wide x 4-1/10" high (18cm x 10.5cm x 10cm).

Included

ORDER NO.	Description
31705-0092	12 Volt DC, fuse 10 amp.
31705-0094	24 Volt DC, fuse 7 amp.
18912-3050	Diaphragm kit

LIGHT DUTY PUMPS

PAR Light Duty pumps are inexpensive yet have performance and features of higher priced pumps. Self-priming allows pump to be mounted above bilge and sump areas with only the intake hose in the bilge. Run-dry design.
Tough plastic body has ports for 3/4" ID hose.

46200-0000
Supplied with 36960 series pumps.

36960-2000

ORDER NO.	VOLTS	AMPS/ FUSE SIZE	FLOW GPM (LPM)	Dimensions - in (mm) HEIGHT	WIDTH	LENGTH
36960-2000	12 Vdc	6/6-1/4	4 (15,1)	7-1/4 (185)	4-1/16 (103)	7-5/8 (190)

All DC voltage pumps shown above meet applicable ignition protection sections of the U.S. Coast Guard Electrical Regulations (Title 33, Chapter 1, Part 183, Subpart 1).

For more information see: www.xylem.com

Par-Max™ Series

MARINE FRESHWATER DELIVERY PUMPS

Jabsco's updated and improved lineup of freshwater supply pumps are designed to provide years of satisfactory service in applications both large and small.

HD (Heavy Duty) models include a wider diameter motor with a powder coated shell, cast aluminum endbells and lower housing to improve pressure capability and life. Available in configurations up to 6 GPM (23 LPM) and 60 PSI (4.1 BAR), these pumps deliver exceptional performance.
Standard models provide good performance in an economical footprint. These configurations are available in 1-3 GPM, perfect for vessels with 1-3 outlets. A plastic housing protects the motors on these units from corrosion.

Features and Benefits:

- Co-molded diaphragm technology for long life & durability
- HD models feature heavy duty, motors & cast aluminum lower housings which allow for long-life, even at high pressures
- Integrated, sealed pressure switch for on-demand operation
- Self-priming allows for installation versatility
- Efficient & quiet operation
- Can run dry without damage
- Quick connect ports for ease of installation, servicing, & maintenance
- Vibration dampening mounting feet
- Equipped with integrated bypass module to reduce cycling & provide smoother flow

Models	Par-Max 1	Par Max 2	Par Max 3	Par Max HD4	Par Max HD5	Par Max HD6
Order Numbers Voltage	42630-3512-3C 12 Volt	31295-3512-3A 12 Volt 31295-3524-3A 24 Volt	31395-4012-3A 12 Volt 31395-4024-3A 24 Volt	Q401J-115S-3A 12 Volt Q402J-115S-3A 24 Volt / 40psi Q401J-118S-3A 12 Volt / 60psi	P501J-118S-3A 12 Volt	P601J-218S-3A 12 Volt
Open Flow	1 GPM 3.8 LPM	2 GPM 7.6 LPM	3 GPM 11 LPM	4 GPM 15 LPM	5 GPM 19 LPM	6 GPM 23 LPM
Pressure Switch Options	35 PSI	35 PSI	40 PSI 25 PSI	40 PSI 40 PSI 60 PSI	60 PSI	60 PSI
Quick Connect Strainer	Not Included	Inline 40 Mesh	Inline 40 Mesh	Inline 40 Mesh	90˚ 40 Mesh	90˚ 40 Mesh
Quick Connect Straight Hosebarb Fittings	2 x 3/8" *Also includes (2 x 3/8" to 1/2" adapter)*	2 x 1/2"	2 x 1/2"	2 x 1/2"	2 x 1/2" 2 x 3/4"	2 x 3/4"

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PAR 36800-SERIES

Two well established and service-proven pumps for larger boats.
Both designed specifically to supply a reliable, smooth and steady flow of water for up to four fixtures.

Features include: Run dry capability; belt drive and flexible mounts for low noise; built-in check valve protection against city water pressure (automatic switch maintains 39 psi. pressure); pulsation dampeners to absorb water hammer; battery conserving low amperage motors; and ports sized to take 1/2"-5/8" ID hose.

Can be used in salt water systems for galley rinse water and deck and anchor washdown.

	OPEN FLOW			AMPS/	DIMENSIONS-in (mm)		
ORDER NO.	GPM	LPM	VOLTS	FUSE SIZE	HEIGHT	WIDTH	LENGTH
36800-1000	3.3	12.5	12 Vdc	6/8	8-3/8(213)	6-1/2 (165)	9-7/8 (251)

PAR 36950-SERIES

A popular pump for boats with two or three fixtures.
A dependable, low maintenance pump able to run dry extended periods.
Smooth belt drive and flexible mounts aid noise reduction. Pump protected against city water pressure by built-in check valve. Pulsation dampeners absorb water hammer and give smooth flow to fixtures. Low amperage motors conserve battery power.
Ports fit 1/2" - 5/8" hose.

This pump can be used in salt water systems for deck and anchor washdown, and galley rinse water.

	OPEN FLOW			AMPS/	DIMENSIONS-in (mm)		
ORDER NO.	GPM	LPM	VOLTS	FUSE SIZE	HEIGHT	WIDTH	LENGTH
36950-2000	3.0	11.4	12 Vdc	6/8	8-1/2 (216)	6-1/2 (220)	7-1/2 (191)

ULTRA MAX WATER PRESSURE SET

A fully assembled pressure set that simplifies the installation of water pressure systems for both the professional and amateur installer.
The set consists of a PAR-Max pump, strainer and pre-pressurized accumulator tank with quick connect electrical connections on a rubber mounted board.
Serves 3 or more 1/2" (13mm) outlets.

- Flow of 3.5 gpm (13.2 lpm).
- Self-priming up to 10ft (3m).
- Can be installed vertically or horizontally.
- Quadruple Diaphragms for smooth and quiet operation.
- Thermal overload protection automatically stops motor should it overheat due to overload, with auto re-start feature.
- Diaphragm design allows extended dry running.
- Pressure switch cut-in 20 psi (1.4 bar), cut-out 40 psi (2.8 bar) (59451-1012).
- Maintenance free potable water quality accumulator tank.
- Complies with USCG 183.410 and ISO 8846 MARINE (Ignition Protection).

Fitting: Connections for 1/2" (13mm) ID hose or 1/2" (15mm) Qest fittings.
Size: 15-1/2" long x 15-3/4" wide x 5-1/2" high (39cm x 40cm x 14cm).

ORDER NO.	Description
59451-1012	12 Volt DC model, fuse 10 amp, high pressure version

PUMPS WITH AC MOTORS CAN SPARK. EXPLOSION AND DEATH CAN OCCUR.
DO NOT USE WHERE FLAMMABLE VAPORS ARE PRESENT.
All DC voltage pumps shown above meet applicable ignition protection sections of the U.S. Coast Guard Electrical Regulations (Title 33, Chapter 1, Part 183, Subpart 1).

WASHDOWN PUMPS

JABSCO
a xylem brand

HotShot™ Series
MARINE WASHDOWN PUMPS

Years of clean decks and satisfaction in the form of robust and reliable high-flow and high-pressure diaphragm pumps.

The Jabsco legacy of exceptional products continues with this updated and improved lineup of washdown pumps and kits.

HD (Heavy Duty) models include a wider diameter motor with a powder coated shell, cast aluminum endbells and lower housing to improve pressure capability and life.

NEW!

Standard models provide exceptional performance in an economical footprint. A plastic housing protects the motors from corrosion.

FEATURES & BENEFITS:

- Co-molded diaphragm technology for long life and durability
- HD models feature heavy duty, motors and cast aluminum lower housings which allow for long-life, even at high pressures
- ••Integrated, sealed pressure switch for on-demand operation
- Efficient and quiet operation
- Self-priming allows for installation versatility
- Can run dry without damage
- Quick connect ports for ease of installation, servicing, and maintenance
- Vibration dampening mounting feet
- Full kit versions available which include 25' (7.6m) hose coil

MODEL NO.	HOTSHOT 3	HOTSHOT HD4	HOTSHOT HD4	HOTSHOT HD5	HOTSHOT HD6	HOTSHOT HD6
ORDER NO	32305-5012-3A	Q401J-118N-3A	Q401J-118N-4A	P501J-119N-3A	P601J-219N-3A	P601J-219N-4A
Mfr. No.	SAME	SAME	SAME	SAME	SAME	SAME
Open Flow GPM / LPM	3 GPM (11 LPM)	4 GPM (15 LPM)	4 GPM (15 LPM)	5 GPM (19 LPM)	6 GPM (23 LPM)	6 GPM (23 LPM)
Volts	12VDC	12VDC	12VDC	12VDC	12VDC	12VDC / 24VDC
Pressure/Bar	50 PSI (3.4 Bar)	60 PSI (4.1 Bar)	60 PSI (4.1 Bar)	70 PSI (4.8 Bar)	70 PSI (4.8 Bar)	70 PSI (4.8 Bar)
Max Current AMPS	7.5	11.0	11.0	16.0	19.0	19.0
Recommended Fuse Size	15	20	20	25	25	25
Port Fittings	(2) x 1/2" Straight Hosebarb (2) x 3/4" Hosebarb (1) x 3/4" GHT Adapter				(2) x 3/4" Straight Hosebarb (1) x 3/4" GHT Adapter	
Strainer Included	Inline	90˚	90˚	90˚	90˚	90˚
Trigger Nozzle	Standard	Standard	Standard	Standard	Deluxe	Deluxe
25 ft. Coiled Hose	-	-	Included	-	-	Included

WASHDOWN SPRAY NOZZLE

Combined with the PAR-MAX washdown pump, this disconnect nozzle has a multi-setting flow control for fine mist spray through to a power-cleaning blast output. Works well with both fresh and salt water. The quick-disconnect nozzle can be removed from the hose and used at another outlet, without turning off the pump. Also performs well with other pumps.

ORDER NO.	Description
30703-1000	Quick-disconect nozzle attaches to 3/4" GHT snap-in connector

DC PUMP FOR BILGE, DECKWASH & REFUELLING F38B-19 12VOLT

Perfect for bilge pumping, deckwash, water circulation, oil and diesel refuelling at dockside service, etc. These pumps may be combined with a vacuum switch for automatic operation. Capacities vary from 14 l/min to 55 l/min, allowing the proper matching of the pump to the application. All motors are heavy duty to provide long service life even under heavy use.

ORDER NO	Mfr. No.	Pump Body	Replacement Impeller	Seal	Connection	Length	Width	Height	Weight
102-472703	10-24727-03	Bronze	09-824P-9 (Order No.. 671-00022)	Lip Seal	Hose 1" / 1/2"NPT	180mm / 7"	120 mm / 4.72"	90 mm / 3.54"	6.6 lbs

TA3P10-19 MACERATOR PUMP

The Johnson TA3P10-19 Macerator Pump takes care of toilet waste, shredding it before it is pumped into or out from the holding tank. CE-approved.

Features:

- Ignition protected motor, conforming with ISO 8846 Marine
- Mounting bracket for easy replacement
- Extremely energy efficient
- Rotary cutter casing of PET (thermoplastic polyester)
- Directly connected to sewage tankline or holding tank
- Hose Connecting: Inlet 1-1/2" dia. Hose or 1-1/2" NPT Outlet 1" hose
- 1 Year Warranty

ORDER NO	Mfr. No.	Model No.	Motor	Impeller	Seal	Length	Width	Height
102-44531	10-24453-01	TA3P10-19	12VDC	671-00007	Lip Seal	9.06"	4.25"	3.23"
671-10007	09-45595	Service Rebuild Kit fo TA3P10-19						

CM30 - CIRCULATION PUMP - 12V

w/ Flexible cord

Pump body: PPA, (Thermoplastic)
Shaft: Stainless Steel
Impeller: Repl. Impeller 09-46551 PPS, (Thermoplastic)
System Pressure: 2,5 bar max
Hose Connection: 5/8" (dia. 16 mm)
Motor: 12V DC enclosed (as per IP67) permanant magnet, ball bearing mounted motor, designed for continuous operation

ORDER NO. 102-448803 Mfr. No. 10-24488-03

Port Size: 16 mm (5/8")
Capacity 0.1 bar 20 l/min (5.3 GPM) **(3.4 ft H_2O)**
Dry Running: Max. 30 minutes
Input Power: Max. 14W (CM10) 27W (CM30)
Mounting: Separate universal bracket for flat surfaces

Dimensions and Weight
Length: 6.97" - 177mm
Width: 2.68" - 2.68mm
Height: 3.35" - 85mm
Weight: 1.3 lbs. - 0.53 kg

For more information see: www.spxflow.com/johnson-pump-marine

SHURflo®

MACERATOR PUMP - 12VDC

Designed specifically for sanitation waste and fish box evacuations. Features a premium impeller design with run-dry capability and includes our seamless shell motor with o-ring sealed end bells and a sealed manual turn key. The unique dual blade and housing construction ensure problem free pumping, providing superior performance in harsh marine environments. Thermally protected and ignition protected.
1 year warranty.

Pump Design:
Type: Centrifugal Pump (Flex-Impeller)
Liquid: 130˚F (54˚C) Max
Dry-Prime: 4 feet (1.21 m)
Run Dry: 20 seconds max

Electrical:
Motor: 12V DC Permanent Magnet, Intermittent Duty
Protection:Thermal Overload, Automatic Restart

CE

SPECIAL ORDER ITEM

ORDER NO	Mfr. No. Model#	OEM	Voltage	Dimensions (Inches)	Flow Rate	Amps (Max)	Port Size
320-00010	3200-001	3200-000	12VDC	10.6" x 4.9" x 3.8"	13 GPM	17"	Inlet 1-1/2" Barb/ 1-1/2" NPT Outlet 1" Barb

For more information see: www.shurflo.com

SHURflo®

Aqua King™

The Next Generation SHURflo pumps guarantee quiet operation and smooth performance while providing the ultimate in durability and reliability. Designed and built specifically for the harsh marine environment, the Next Generation SHURflo pumps are equipped with sealed switches and seamless e-coated motors. Thermally Protected. Ignition Protected. 3 Year Warranty

AQUA KING™ II STANDARD 3.0 FRESH WATER PUMP 12VDC

Shurflo's NEW 4138 Series fresh water pump design was created with a unique over-molded single-piece diaphragm and internal by-pass, assuring long life and top performance in all plumbing systems. Designed as the next legendary pump to exceed the expectations of our customers, the 4138 Series pumps are constructed for smooth flow and no rapid cycling. (Replaces model #3901)

- Sealed Switch
- Sealed Motor
- Corrosion Resistant Electro Coated Motor
- 4 Independent Chambers
- Built-in Check Valve
- Co-Molded Diaphragm
- Quiet running
- Adjustable Switch
- Adjustable By-Pass
- Self-Priming up to 6 feet
- Dry Run Capability
- Thermal Protected
- Ignition Protected, CE

ORDER NO.	Mfr. No.	Voltage	Dimensions	Flow Rate	Amps	Shut-Off Pressure	Valve Assembly
413-81110	4138-111-E65	12VDC	8.2" x 4.9" x 4.1"	3.0 GPM	6.5	55 PSI	Mfr. # 94-800-03

AQUA KING™ II PREMIUM 4.0 FRESH WATER PUMP 12VDC

Designed for boats with multiple fixtures. These pumps provide "Just like Home" shower pressure, yet can operate at lower flow conditions with low cycling. A built in mechanical bypass function enables the pump to vary the flow rate for any on demand condition, without the need for an accumulator. This heavy duty motor is built to withstand the marine environment with electro-coated seamless shell, O-ring sealed end bells, and fully sealed wire entries on the motor shell and pressure switch. Pumps can run dry without damage. Inlet strainer and 1/2" NPS-M hose barb fittings included.

- Self-Priming
- Sealed Switch
- Run Dry Capability
- Seamless Shell E-Coated Motor
- CE Listed
- Ignition & Thermally Protected
- 55 PSI Shut Off Pressure
- Multi-Fixture Application
- 3 Year Warranty

ORDER NO.	Mfr. No.	Voltage	Dimensions	Flow Rate	Amps	Shut-Off Pressure	Valve Assembly
414-81530-75	4148-153-E75	12VDC	10.0" x 5.0" x 4.75"	4.0 GPM	10	55 PSI	094-80001

AQUA KING™ II SUPREME 5.0 FRESH WATER PUMP 12VDC

Designed for boats with multiple fixtures. These pumps provide "Just like Home" shower pressure, yet can operate at lower flow conditions with low cycling. A built in mechanical bypass function enables the pump to vary the flow rate for any on demand condition, without the need for an accumulator. This heavy duty motor is built to withstand the marine environment with electro-coated seamless shell, O-ring sealed end bells, and fully sealed wire entries on the motor shell and pressure switch. Pumps can run dry without damage.
Inlet strainer and 1/2" NPS-M hose barb fittings included.

- Self-Priming
- Sealed Switch
- Run Dry Capability
- Seamless Shell E-Coated Motor
- CE Listed
- Ignition & Thermally Protected
- 55 PSI Shut Off Pressure
- Multi-Fixture Application
- 3 Year Warranty

ORDER NO.	Mfr. No.	Voltage	Dimensions	Flow Rate	Amps	Shut-Off Pressure	Valve Assembly
415-81530-75	4158-153-E75	12VDC	10.0" x 5.0" x 4.75"	5.0 GPM	13	55 PSI	094-80001

SPECIAL ORDER ITEM

BLASTER™ II 3.5 GPM WASHDOWN PUMP 12VDC

Shurflo's NEW 4238 series washdown pump design was created with a unique over-molded single-piece diaphragm, assuring long life and top performance in all deck wash down plumbing systems. Designed as the next legendary pump to exceed the expectations of our customers, the BLASTER™ II Series pumps are designed for the toughest marine wash down applications. Fittings and nozzle included.(Replaces model #3901)

- Sealed Switch
- Sealed Motor
- Corrosion Resistant Electro Coated Motor
- 4 Independent Chambers
- Built-in Check Valve
- Co-Molded Diaphragm
- Self-priming up to 6 ft.
- Run Dry Capability
- Thermally Protected
- Ignition Protected, CE
- 2 Year Warranty

ORDER NO.	Mfr. No.	Voltage	Dimensions	Flow Rate	Amps	Shut-Off Pressure	Valve Assembly
423-38121	4238-121-E07	12VDC	9.0" x 4.9" x 4.1"	3.5 GPM	7.5	45 PSI	Mfr. # 94-800-03

PROBLASTER™ II DELUXE 4.0 WASHDOWN PUMP 12VDC

Perfect for tough washdown applications, such as fish box, scaling and anchor chain cleaning. These rugged self-priming pumps deliver high lift, can run dry without damage and won't overheat with extended use. Pumps are ignition protected and switches are sealed against water damage. Thermally Protected. Built to withstand the marine environment with electro-coated motor, O-ring seals, and fully sealed wire entries. Inlet strainer and 1/2" NPS-M hose barb fittings included.

- Self-Priming
- Sealed Switch
- Quiet Performance Motor
- Run Dry Capability
- Seamless Shell Motor-Waterproof
- Ignition Protected
- 60 PSI Shut Off Pressure
- 2 Year Warranty
- CE Listed

PRO Blaster™

ORDER NO.	Mfr. No.	Voltage	Dimensions	Flow Rate	Amps	Shut-Off Pressure	Valve Assembly
424-81530-09	4248-153-E09	12VDC	10.0" x 5.0" x 4.75"	4.0 GPM	10	60 PSI	094-80001

BAIT SENTRY™ MAG-DRIVE LIVEWELL PUMPS

The **Bait Sentry™ Livewell Pumps** are designed for easy installation and trouble-free operation. Magnetic Drive technology eliminates unnecessary failures. Motors keep running after ingesting debris or even running dry. Patented anti-airlock feature allows the pump to clear trapped air in rough water or when boat is anchored. Includes dual port for easy washdown pump connection. **3 Year Warranty**

- Magnetically driven impeller, debris will not damage motor
- No seals to leak, can run dry continuously
- Anti-airlock feature will clear trapped air even in rough water
- Second inlet port for washdown pump, requires one thru-hull fitting for two pump
- 12 VDC Continuous Duty
- Ignition Protected ISO 8846
- UL & CE Listed
- 3 Year Warranty

BAIT SENTRY™

170-11030

170-01030

ORDER NO.	Mfr. No.	Model	Tank Size Gallons	Dimensions	Port Size Inlet/Outlet	Flow Rate	Amps
170-01030	1700-001-030	Bait Sentry™ 500	30	4.93" x 7.85"	¾" Inlet NPT ¾" Outlet BARB	500 GPH	1.75
170-11030	1700-011-030	Bait Sentry™ 800	40	4.93" x 7.85"	¾" Inlet NPT ¾" Outlet BARB	800 GPH	3.5

For more information see: www.shurflo.com

SPECIAL ORDER ITEM

WATER SYSTEM ACCESSORIES

SHURFLO PORT ADAPTERS

Customize a Shurflo pump to fit your system. Fittings accomodate all Shurflo pumps with 1/2"-14 threads. Finger-friendly wingnut hex style easily threads onto port.
2 per pack

ORDER NO.	Mfr. No.	Description
094-18104	94-181-04	Wing Nut Swivel Kit, Straight Fitting, 1/2"-14 NPT (F) x 5/8" Barb

Note: May not be exactly as shown

CLASSIC SERIES SWIVEL NUT STRAINERS

Clean, clear economical strainers eliminate unnecessary repairs by keeping debris and other particles out of the pump. Screws directly on the pumphead. Transparent design shows when it is time to clean the bowl. Easy disassembly, cleaning and reassembly. Designed for safety and convenience. SHURflo accessories are built to last. Big protection from small yet essential products. **1 Year Warranty**

- 50-mesh SS screen
- Easy to install to pump head
- Clear, clean plastic construction makes it easy to see when cleaning is needed
- Keeps debris out of the pump
- Easy disassembly for cleaning

ORDER NO.	Mfr. No.	Port Size
255-31500	255-315	1/2" Pipe Inlet
255-32500	255-325	1/2" Barb Inlet

255-31500 255-32500

PRESSURE REGULATED WALL MOUNT CITY WATER ENTRIES

This combination water regulator and check valve diaphragm design prevents high-pressure damage often caused by city water systems. Leak-tight, stress & crack-resistant, these high-performance water entries limit water pressure safely to 65 PSI while meeting or surpassing all check valve code requirements. **1 Year Warranty**

- Quick, permanent wall mount
- Continuous protection from high pressure surges
- Fits standard hose fittings
- Built-in check valve

ORDER NO.	Mfr. No.	Colour
183-02914	183-029-14	Chrome
183-02918	183-029-18	Gel White

183-02914 183-02918

VALVE ASSEMBLIES

ORDER NO.	Mfr. No.	Description
094-03001	94-030-01	Valve Assembly for 5901 Series Pumps
094-23206	94-232-06	Valve Assembly for 2088/2093 Series Pumps
094-80001	94-800-01	Valve Assembly for 4148/4158/4248 Series Pumps

For more information see: www.shurflo.com

Have a Technical Question?

Contact our Technical Support Staff
email: techsupport@ccmarine.ca

JABSCO
a xylem brand

PUMPGARD™ STRAINER

Inlet strainer protects all electric diaphragm pumps.

- Prevents unnecessary pump breakdowns caused by particles in the water.
- Transparent housing allows instant inspection.
- Quick, in-place, cleaning of the 40 mesh stainless steel screen.

ORDER NO.	Model for 1/2" (13mm) ID hose
46400-0002	Model for 1/2" (13mm) ID hose
46400-0012	Model for 1/2" (13mm) hose inlet 90° and direct plug into PAR-Max inlet port
46400-0004	Model for 1/2"-14 pipe threads
46400-0014	Model for 1/2"-14 pipe inlet 90° and direct plug into PAR-Max inlet port
46400-0000	3/4" (19mm) ID hose x 3/4" (19mm) ID hose 40 mesh SS
46400-0003	3/8" (10mm) ID hose x 3/8" (10mm) ID hose 40 mesh SS
46400-0010	3/4" (19mm) ID hose x Plug-in 40 mesh SS 90°
18753-0040	Replacement 40 Mesh SS Filter

Fitting: Choose connections for 3/8", 1/2", 3/4" ID hose, or 1/2"-14 pipe.
Size: 4-3/4" long x 2-3/4" wide x 2-1/2" high (12cm x 7cm x 6cm).

WATER PRESSURE REGULATORS

Water Pressure Regulators protect your boat's water system from damaging pressures of unregulated city water hook-ups. Available in two models – permanently installed flush mount or in-line. Both feature brass GHT fittings for potable garden hose connection.

- Limits inlet water pressure to 45 psi (3.1 bar)
- Maintains regulated pressure at various flow rates
- Compact in-line model only 3" long
- Flush model has unique swivel elbow output
- Manufactured of food-grade materials
- Meets all applicable codes and approvals
- Removable strainer on 44412 models protects plumbing

ORDER NO.	Description	Fitting
44411-0045	In-Line – White (strainer not included)	3/4" GHT female inlet and 3/4" GHT male outlet
44411-1045	Flush – White (strainer not included)	3/4" GHT female inlet and 1/2"–14 male pipe outlet
44411-2045	Flush – Chrome (strainer not included)	3/4" GHT female inlet and 1/2"–14 male pipe outlet
44412-1045	Flush – White (strainer included)	3/4" GHT female inlet and 1/2"–14 male pipe outlet
44412-2045	Flush – Chrome (strainer included)	3/4" GHT female inlet and 1/2"–14 male pipe outlet

JABSCO
a xylem brand

For more information see:
www.xylem.com

SWIM 'n' RINSE TRANSOM SHOWER

Hot & Cold Mixer - Cover Included

The classic design in deck showers for easy washdown on the transom after swimming. Simply swim & rinse without wasting water

Save water on board
- Simply use the hot and cold controls - Mix perfect temperature then close the rose handset to conserve water supply during showering

Lightweight & durable ABS exterior shower range
- Add a touch of luxury on board.

- Designed for easy rinse down after swimming
- Fit in convenient locations on deck - extra long 2.1 m (7 ft.) hose
- Save water on board - on/off control on shower handset allows you to set temperature and only use the water you need
- Robust ABS housing is designed and tested to withstand extreme marine conditions - long life UV resistant
- Easy use controls even with soapy hands - to set ideal temperature
- Neat hinged cover with latch to close
- White high shine finish matches the gel coat
- Sleek cover - for a neat finish on deck
- Lightweight handset will not damage the gel coat if dropped on deck
- Simple connection to either Quick connect 15 mm pipework / 1/2" hose connection

Hot & Cold Mixer	Swim 'n' Rinse
ORDER NO.	**897-26580**
Mfr. No.	RT2658
Colour	White
Base Plate	167 mm (6-1/2") x 292 mm (11-1/2")
Depth Beneath Surface	88 mm (3-1/2")
Hose Connections	1/2" Male Threaded (BSP / NPT)
Connection to Quick Connect 15 mm Plumbing	Use WX1532 Adapter Female 1/2" - 15 mm
Hose Length	2.1 m (7 ft.)

Note: ONLY suitable for pressure systems up to 45 psi/3 bar

ELEGANCE SWIVELING FAUCET RANGE

Ideal for installation where space is limited.

Lightweight & Durable ABS faucets/showers
Ideal for tight spaces

- Water saving rose allows temporary shut-off - mix temperature & conserve water
- Separate temperature controls for easy mixing to the right temperature
- Ergonomic easy grip controls
- Suitable for connecting to 3/8"/1/2" hose or easily to Whale's Quick Connect 15mm pipework
- Only suitable for pressure systems up to 45 psi/3 bar
- Compact design - Straight forward installation where space is limited
- Standard connections - 1/2" hose connections, also suitable for Whale Quick Connect 15mm plumbing

Robust ABS Construction

- Designed for use with all types of galley pumps
- Easily connects to Whale Quick Connect 15mm pipework
- Connects to 3/8" or 1/2" hose connections
- 1 year warranty

Elegance Faucet Range	Mixer Faucet	Mixer Combination Faucet / Shower
ORDER NO.	**897-22100-RT**	**897-24980-RT**
Mfr. No.	RT2210	RT2498
Colour	Bright White / crisp clean finish	
Hose Connections	1/2" Threaded Connection	1/2" Threaded Connection
Materials in Contact w/ Fluid	Body: ABS, Spout & Valves: Acetal, Seals: Neoprene	Body: ABS, Spout & Valves: Acetal, Seals: Neoprene
Base Plate	171mm x 62mm (6-3/4" x 2-7/16")	171mm x 62mm (6-3/4" x 2-7/16")
Depth Beneath Surface	1 m (3 ft.)	80 mm (3-1/8")
Connection Quick Connect 15mm	WX1532	WX1532
Connection to 13mm (1/2") Flexible Hose	WX1532, WX1584B	WX1532, WX1584B

For more information see: www.whalepumps.com

FLIPPER PUMP Mk 4

Manual Freshwater

Simple hand operated solution for pumping water in the galley!

Manual Self-Priming Galley Pump

- Ideal for installing between two sinks - swivelling outlet
- Precise flow control
- Easy operation - Light back & forth pump action
- Robust moulded base
- High quality non corrosion aluminum alloy outlet
- 7 liter capacity (1.85 US gals) per minute
- Fine flow control
- Suitable for fresh or saltwater

Galley Pump	FLIPPER PUMP Mk 4
ORDER NO.	**897-04180**
Mfr. No.	GP0418
Hose Connections	Suitable for 13 mm (1/2") Flexible Hose
Weight	0.30 kg (0.71 lbs.)
Materials	Pump Body: Acetal, Nylon, Polystyrene, Polypropylene LM6 Aluminum Alloy, Brass Seals: Neoprene, Nitrile®, ABS Fasteners: Stainless Steel
Service Kit	AK0405 **ORDER NO. 897-04050** For Flipper Mk 3 & Mk 4 Models Contains: Diaphragm, Seals, Screws AS0406 - Flipper Overhaul Kit
Max. Suction Lift	3 m (10 ft.)
Max. Discharge Head	3 m (10 ft.)
Max. Output per Minute	7 liters (1.85 US gals)

Note: Not for use in pressurized systems

GUSHER® GALLEY

Manual Freshwater

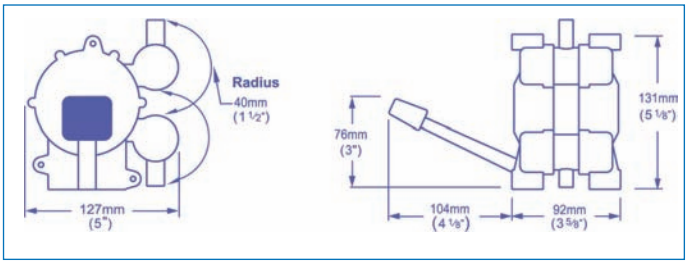
The simple solution for fresh water delivery in small galleys

Simple Foot Operated Solution for Pumping Water in the Galley

- Smooth double action
- Self-primes & operates dry without damage
- Easy, smooth hands-free operation
- Ease of installation - Multi-directional inlet & outlet hose connections
- 3 mounting options (including thru bulkhead)
- Easy to operate foot pedal
- Enclosed protected diaphragm
- Hard wearing acetal pump housing
- Also ideally used to prime Whale In-Line Booster pumps
- Pumps fresh & salt water
- 15 liters (4 US gals) per minute
- Left and right oriented foot lever versions available

Note: Left lever mount version shown

Galley Pump	Gusher® Galley Mk 3	Gusher® Galley Mk 3
ORDER NO.	**897-05500**	**897-05510-GP**
Mfr. No.	GP0550	GP0551
Lever Mounting	Right	Left
Weight	0.7 kg (1.5 lbs)	
Hose Connections	Suitable for Connection to Whale Quick Connect 15mm Plumbing 13 mm (1/2") Flexible Hose	
Weight	0.30 kg (0.71 lbs.)	
Materials	Pump Body: Acetal, Nylon, Lever: LM6 Aluminum Alloy, Diaphragm: Nitrile®, Neoprene, Fasteners: Stainless Steel	
Service Kit	Mfr #AK0553 **ORDER NO. 897-05530-AK** For Gusher® Galley (Mk 3 only) Contains: Diaphragm, Valves & Seals, AS0556 - Piston & Operating Kit	
Max. Suction Lift	2 m (7 ft.)	
Max. Discharge Head	3 m (10 ft.)	
Max. Output per Minute	15 liters (4 US gals)	



POTABLE WATER PUMP

This economical compact pump delivers drinking water from a water tank to the 106-61420 Three Way Faucet Hand/Pump. Seal allows it to run dry without damage.
Made from high-impact plastic. Patented. IAPMO inlet and outlet have combination fittings: 3/8" barbs can be removed to accommodate 1/4" NPT fitting.
Potable Water Pump is not activated by line pressure.
Pump is non-submersible.
Note: Mount centrifugal pump so water will flow into the pump.
Caution: Not external ignition protected.

ORDER NO.	Mfr. No.	Inlet/Outlet Size	GPH	Max. Head	Amp Draw	Fuse Size
106-61260	6126-7	3/8" barb, or convert to 1/4"NPT	150	16'	1.5	2-amp

CHECK-TEES

These check-tees provide a combination check valve and tee that replaces additional connections for RV and marine hookups. Check-tees allow water to flow in from the dockside connection without filling the tank. They are constructed of tough ABS plastic.

Combination Inlet / Threaded Outlet
Inlet has combination fitting: comes with 3/8" barbs that can be removed to accommodate 1/4" NPT fitting. Outlet is 1/2" NPSM. 1/2" NPT fitting for dockside water connection.

Mfr. No. 6115A1
ORDER NO. 106-61151

Combination Fittings
Inlet and outlet have combination fittings: comes with 3/8" barbs that can be removed to accommodate 1/4" NPT fitting. 1/2" NPT fitting for dockside water connection.

Mfr. No.6115-1
ORDER NO. 106-61150

SELF-PRIMING WASHDOWN PUMP - 12 VOLT

Ideal self-priming pump for cleaning boats, for general use, or use as a shower pump. Threaded male inlet and outlet for standard garden hose attachment.

- Pumps 4 gallons per minute.
- Produces up to 8.5 PSI Pressure.
- Corrosion-resistant ABS housing and impeller with
- Heavy-duty 8 amp motor. **Note: Do not run dry**.

ORDER NO.	Mfr. No.
101-11574	11574-4

TastePURE™ EVO™ UNIVERSAL WATER FILTER WITH 5.0 WATER FILTER CARTRIDGE

Reduces bad taste, odors, sediment, bacteria, chlorine and much more. Includes filter housing, one extension hose and one replaceable premium spun polypropylene filter cartridge. Filtration begins with water traveling through a porous shell with openings no greater than 5 microns in diameter. Filtered water then passes through a bed of KDF® and GAC (Granulated Activated Carbon) for further filtration and bacteria control. The result is fresh, clean, great tasting drinking water straight from your tap. Universal fits cartridges 9-3/4" to 10" Tall - 2-1/2" to 3" in diameter.

- Boating / RV / Camping
- Large capacity
- High flow
- Exterior use

Includes:
(1) EVO™ RV Water Filter Body
(1) 5.0 Micron Cartridge, (1) Wrench & (1) Extension hose

668-40630

Offers Protection Against:
Aluminum
Bacteria
Bad Taste
Cadmium
Chlorine
Fungus
Heavy Metals
Hydrogen Sulfide
Iron
Lead
Mercury
Mold
Odor
Turbidity (Cloudiness)
Sediment

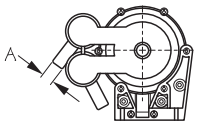
ORDER NO.	Mfr. No.	Description
668-40630	40630	TastePURE ™ EVO™ RV Water Filter
668-40620	40620	TastePURE™ EVO™ Universal 5.0 Replacement Water Filter Cartridge

668-40620

For more information see: www.camco.net

SEADOG LINE QUALITY MARINE GEAR

425-17060



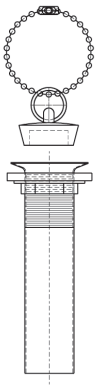
GALLEY PUMP
Injection Molded Delrin

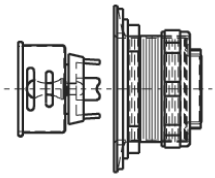
ORDER NO.	Mfr. No.	OUTPUT	A	FASTENER
425-17060	517060-3	3 gpm	1/2" hose	#8 RH
425-17065	517065-1	Pump Repair Kit		

DRAIN TUBE WITH STOPPER
- **Chrome/Brass**
- Straight 1- 1/4"
- Includes stopper with chain

*Drain tube used on Oval sink ORD. # 425-17425

Mfr. No. 517515-1
ORDER NO. 425-17515





SINK DRAIN WITH STRAINER
- **Zinc/Stainless**
- Straight 2"

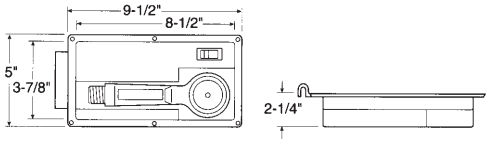
*Sink Drain with Strainer used on sink # 517415 & 517445

Mfr. No. 517525-1
ORDER NO. 425-17525

For more information see www.sea-dog.com

attwood

SHOWER SYSTEM
Aft-Deck Shower



These shower systems install flush in the transom or under the gunwale. Includes hinged cover and replaceable sprayer head. Fixtures are corrosion resistant. Housing and cover are made of high-impact, UV resistant, engineering-grade plastic and are pre-drilled for six #8 screws.
Comes with 6' hose, shut-off, and hot/cold mixing controls.
Connects to freshwater system for showering.

ORDER NO.	Mfr. No.	Function	Hose Length
104-41310	4131-4	Hot/Cold	6'

For more information see: www.attwoodmarine.com

Johnson Pump®

AQUA JET WASHDOWN PUMPS

As a washdown pump, the Aqua Jet offers much higher pressures than competitive models, making clean-up faster and easier than ever before. Complete with trigger nozzle, PUMProtector™, inlet strainer and hose connections for 1/2" hose. Includes both BSP and NPT connections.

MODEL - WD 3.5
Dimensions:
Motor: 120 W, 12/V DC
Length 9.31" (236.5 mm)
Width: 8.25" (210 mm)
Height: 4.575" (116 mm)
Weight: 4.5 lbs. (2 kg.)

MODEL - WD 5.2
Dimensions:
Motor: 185 W, 12/V DC
with built-in thermal protection
Length 9.46" (240 mm)
Width: 8.42" (214 mm)
Height: 4.33" (110 mm)
Weight: 4.5 lbs. (2 kg.)

ORDER NO.	Mfr. No.	Description	Capacity	Pressure Cut Off	Fuse Size	Connection
101-33993	10-13399-03	WD 3.5, 12V	13 l/min-5.2 GPM	5 bar - 70 psi	15 A	1/2" NPT / hose 3/4", GHT 3/4", 3/8" BSP x 1/2" barb
101-34077	10-13407-07	WD 5.2, 12V	20 l/min-5.2 GPM	5 bar - 70 psi	20 A	1/2" NPT / hose 3/4", GHT 3/4", 3/8" BSP x 1/2" barb

AQUA JET WATER PRESSURE SYSTEMS

The five chamber Aqua Jet WPS-series provides a reliable heart for small boat and recreational vehicle water pressure systems. Compared to conventional three or four-chamber diaphragm pumps, the Aqua Jet demonstrates dramatically lower noise & water pulsation characteristics. It is recommended to install the WPS-pumps with an accumulator tank. Aways use a PUMProtector™ inlet strainer before the pump intake.
These systems offer a smooth quiet operation & include BST & NPT connections & filter.
Made in the USA.

101-34053

MODEL - WPS 2.9
Dimensions:
Motor: 85 W, 12/V DC
Length 8.02" (204 mm)
Width: 7.76" (197 mm)
Height: 4.33" (110 mm)
Weight: 3.5 lbs. (1.6 kg.)

MODEL - WPS 3.5
Dimensions:
Motor: 85 W, 12/V DC
Length 9.31" (236.5 mm)
Width: 8.25" (210 mm)
Height: 4.575" (116 mm)
Weight: 4.5 lbs. (2 kg.)

MODEL - WPS 5.2
Dimensions:
Motor: 150 W, 12/V DC
with built-in thermal protection
Length 9.46" (240 mm)
Width: 8.42" (214 mm)
Height: 4.33" (110 mm)
Weight: 4.5 lbs. (2 kg.)

ORDER NO.	Mfr. No.	Description	Capacity	Pressure Cut Off	Fuse Size	Connection
101-34053	10-13405-103	WPS 2.9, 12V	11 l/min-2.9 GPM	2.8 bar - 41 psi	10 A	3/8" NPT / hose 1/2", 1/2" NPT / hose" 3/4"
101-33953	10-13395-103	WPS 3.5, 12V	13 l/min-3.5 GPM	2.8 bar - 41 psi	10 A	3/8" NPT / hose 1/2", 1/2" NPT / hose" 3/4", 1/2" NPT, 3/4" hose"
101-34067	10-13406-107	WPS 5.2, 12V	20 l/min-5.2 GPM	2.8 bar - 41 psi	15 A	3/8" NPT / hose 1/2", 1/2" NPT / hose" 3/4", 1/2" NPT, 3/4" hose"

For more information see: www.spxflow.com/johnson-pump-marine

Johnson Pump®

AQUA JET FLOW MASTER 5.0 WATER PRESSURE SYSTEM

The Flow Master 5.0 is a five chamber positive displacement diaphragm pump that is an ideal choice for pressurizing water in a closed system such as that found in a boat or recreational vehicle. The digital controller automatically adjusts water flow as the demand is increased and decreased while maintaining a very smooth flow. The unique variable flow feature of the Flow Master pump allows the pump to be mounted without an accumulator tank and still maintain an even flow regardless if one or multiple taps are being used. Exclusive soft start feature of pump makes it virtually silent when low water flow is required. Stainless steel base plate and fasteners for corrosion resistance and the motor has built in thermal overload protection.
Comes standard with PUMProtector™ inlet strainer and multiple port options for most applications.

Specifications:

Dimensions	9.4"long x 8.22" wide x 4.49" high
Weight	4.5 Lbs.
Motor	WPS 5.0 - 150 W, 12Volt DC (with built-in thermal protection)
Body	Nylon/Polypropylene
Valves	Santoprene/EPDM
Diaphragm	Santoprene
Capacity	19L/min - 5 GPM
Cut-Off Pressure	3.5 bar/50 psi
Fuse size	15 A
Connection	3/8" NPT / hose 1/2", 1/2"NPT / hose 3/4", 1/2" - 14 NPSM 1/2" CTS

Mfr. No. 10-13329-103
ORDER NO. 101-33293

AQUA JET WASHDOWN/LIVEWELL PUMP KIT 5.2

Aqua Jets washdown pump kit makes it easy to add a washdown and livewell pump to any boat

AquaJet 5.2WD Pump Kit Includes:

- Max. Pressure 5 bar (70 psi) pump, 1/2" NPT/hose 3/4", 3/4" GHT550
- 500 GPH Twin Port livewell pump, inlet 3/4" NPT X 1" length
  Discharge livewell 3/4" straight or 90º hose
  Discharge WD 1/2" FNPT, 3/4" MNPT or 3/4" hose
- PUMProtector™ inlet strainer
- Spray nozzle
- Bulk head fitting with valve, - inlet 3/4" hose, outlet 3/4" GHT
- Aerator head, 3/4" hose
- 25' (7.5 m) of coiled wash down hose 3/4" GHT
- 2 illuminated panel switches

Mfr. No. 64634
ORDER NO. 106-64634 **(12V)**

WATER PRESSURE SYSTEM PUMP 1.1 GPM

Industrial, RV, Marine Agricultural Pump

- 12 Volt, Amps: 2.5
- Open Flow: 1 GPM, 3.8 lpm
- 35 PSI
- Duty Cycle: Intermittent
- Runs dry without damage
- Smooth Operation
- Self-Priming
- Silent Running
- Low Power Draw
- Easy connecting system 3/8" barb

Mfr. No. 10-22020-101
ORDER NO. 102-20201

DECK WASH FLUSH MOUNT

Single outlet, single flush

- 316 Stainless steel
- Connects and disconnects under full pressure
- Positive lock bayonet connector
- Double viton O-ring seals
- Large flow capacity
- Connections made of Nylon 66
- Garden Hose Connector

Mfr. No. JP-61121
ORDER NO. 106-61121

For more information see: www.spxflow.com/johnson-pump-marine

Johnson Pump®

AQUA JET WASHDOWN PUMP KIT WITH HOSE - 12V

Aqua Jets washdown pump kit makes it easy to add a washdown pump to any boat

- Quiet 5 chamber diaphragm pump design
- 5.2 GPM/20 l/min Wash Down Pump
- Max. Pressure 5 bar (70 psi)
- Duty Cycle: Intermittent, Max 20 min.
- Connection 3/8" BSP, 1/2" hose - 1/2"NPT, 3/4" hose - 3/4" GHT
- 25' Coiled hose (7.5 m), hose 1/2" I.D
- Includes easy-push connectors 3/4" hose & 3/4" GHT (garden hose)
- Suitable for fresh and salt water
- Can be run dry without damaging pump
- Corrosion resistant construction
- Self-priming
- With integrated auto pressure switch to turn on & off (When nozzle is open/closed)
- PUMProtector™ inlet strainer (Easy to push-in)
- Spray nozzle with pistol grip rear trigger design
- Unique adjustable flow control dial
- Ignition protected according to ISO8846

ORDER NO.	Mfr. No.	Description	Capacity
106-64534	64534	Aqua Jet Washdown Kit w/hose - **5.2 GPH**	20 l/min

WASHDOWN SPRAY PISTOL CONNECTOR W/ 25' HOSE

- Heavy duty plastic spray nozzle with pistol grip rear trigger design
- Durable 25' Coiled hose (7.5 m) (non-kink)
- True 1/2" inside hose diameter

Mfr. No. 10615-01
ORDER NO. 101-061501

@ Have a Technical Question?

Contact our Technical Support Staff
email: techsupport@ccmarine.ca

For more information see: www.spxflow.com/johnson-pump-marine

DECK WASH PUMP - 12 VDC 3.5 GPM

Ideal for cleaning leisure boats, fish boxes, anchor chains and dinghies.

4305 SERIES

- 5.0 GPM for 30-50 gal. tanks **w/Thermal Overload Protection**
- Flow Rate: 13.5 Liters/Min (3.5 US Gallon/Min)
- Pressure Switch Setting: 20 psi (1.4 bar)
- Max. Pressure: 40psi (2.8 bar)
- Self-priming up to (2.4m) vertical lift
- Amp Draw: 5.0 amp
- Port Type: 3/4" Hose & 3/4" Thread Included
- Includes Jabsco Pump Guard strainer
- Nozzle: NOT INCLUDED
- Dimensions: 8.6"L x 6.3"W x 3.75"H

ORDER NO.	Mfr. No.
430-51440	04305144A

For more information see: www.xylem.com

QUAD DC WATER SYSTEM PUMP - 12 VDC 3.3 GPM

Ideal for cleaning leisure boats, fish boxes, anchor chains and dinghies.

4405 SERIES

- Four-piston design delivers high flow rates
- Flow Rate: 12.5 Liters/Min (3.3 US Gallon/Min)
- Pressure Switch Setting: 15 psi (1.1 bar)
- Self-priming up to (2.4m) vertical lift
- Amp Draw: 3.9 amp
- Port Type: 1/2" Hose & 1/2" Thread Included
- Includes quick-connect plug-in ports for easy installation
- Bypass: Included
- Pressure Switch: Included • Strainer: NOT INCLUDED
- Dimensions: 8.2"L x 6.3"W x 3.75"H

ORDER NO.	Mfr. No.
440-51430	04405143A

QUAD DC WATER SYSTEM PUMP - 12 VDC 4.5 GPM

ORDER NO.	Mfr. No.
432-51430	04325143A

4325 SERIES

- For use with a 1 to 5 gallon (3-20 liter) accumulator tank
- Designed for 6 or more fixtures
- Flow Rate: 4.5 GPM (17.0 l/min)
- Max. Pressure: 40psi
- Provides quiet operation and smooth flow
- Runs dry without harm to the pump
- Includes plug-in ports for easy installation - Two 3/4" hose barb ports
- Install with new FLOJET strainer (included) to protect pump from debris
- Dimensions: 9.9"L x 6.3"W x 3.75"H

Whale®

HI PRESSURE WASHDOWN KITS - 12 VOLT

- Smooth constant flow at high pressure:
- Easy-to-use trigger handset for targeted water flow
- Soft, non-slip trigger with deck protect nozzle, adjustable jet with push in fittings and dry coupling valve Easy stow 25' coiled hose
- Compact, kink resistant hose
- Elite kit includes unique 4 in 1 deck fitting
- Discreet deck fitting with sliding cover, featuring hose connection, IP65 rated switch & fuse for simple fast installation

ELITE KITS

ORDER NO.	Mfr. No.	Specifications
897-03517-E	WD3517E	3.5 GPM, 60psi, 13 litre/min
897-04517-E	WD4517E	4.5 GPM, 70psi, 17 litre/min

Elite Kits Include: Pump, Strainer, Adjustable Trigger w/ ergonomic handle & deck protect nozzle, (2) 1/2" Barbed Connections, 25' coil hose, storage bag & quick release hose connection, deck fitting w/ switch, fuse & sliding cover.

For more information see: www:whalepumps.com

ACCUMULATOR TANKS

PRESSURIZED ACCUMULATOR TANK

A more compact pneumatic bladder to fit smaller systems and spaces

- Internal bladder
- Smoother and more even flow
- Quieter water system
- Better temperature control
- Long pump life
- Lower battery drain
- Simply fitted to new or existing systems
- Compact size
- Snap-in port fittings include both: 1/2" barbed hose fittings and 1/2" threaded hose fittings
- Tank: hygienic, light, compact, impact and pressure resistant plastic construction

1/2" Snap-in Barbed Hose Fittings

1/2" Threaded (QEST) Hose Fittings

Diameter: 4-3/4" (119mm)
Height: 13-1/4" (337m

ORDER NO.	Description
30573-0000	1 quart (1 litre) Accumulator Tank
30649-1000	Snap-in port fittings for 1/2" female threads

Bladder Accumulator Tank

Note: Pressure switch can be mounted on tank

MINI-ACCUMULATOR TANK

Improves all pressure controlled water systems. Our new compact 21 oz (0.6 Liter) accumulator tank fits into those tight areas, and performs all of the same functions as our 1 Quart model (1 Liter), but in a smaller package.

- Smoother flow, quieter water systems
- Internal rubber membrane eliminates maintenance and allows universal mounting
- Better control of hot water temperatures
- Simply fitted to new or existing systems
- Longer pump life, lower battery drain
- Snap-in port fittings

Specifications:
Size: 21 oz. (0.6 liter) 4-3/8" deep x 4-3/4" wide x 7" high (11cm x 12cm x 18cm)
Weight: 21 oz. (0.6 liter) 1lb (0.45 kg)
Fitting: Connections for 1/2" (13mm) ID hose,

ORDER NO.	Description
30573-0003	Mini Accumulator Tank, 21 oz. (0.6 Liter)
30649-1000	Snap-in port fittings for 1/2" female threads

PRESSURIZED LARGE ACCUMULATOR TANK

The Jabsco pneumatic accumulator tank will smooth flow from faucets and showers, reducing pump cycling and eliminating pulsations and water hammer. Water is totally separated from air chamber by a diaphragm and polypropylene tank liner.
Volume of tank is 2 gallons with a working water volume of about 1 gallon.

- Will smooth flow from faucets and shower, reducing pump cycling and eliminating pulsations and water hammer
- Water is totally separated from air chamber and metal tank by a bladder and polypropylene tank liner
- Mounts horizontally, vertically, or upside down
- Includes brackets and band clamps
- Pre-pressurised to 20 psi (1.4 bar)
- Tank may be fine-tuned to cut-in pressure of pump
- 2 gallon tank
- 100 psi (6.9 bar) maximum working pressure
- Connection for 3/4" NPT male thread

Diameter: 8" (200mm)
Height: 12-5/8" (320mm)
ORDER NO. 18810-0000

For more information see: www.xylem.com

JABSCO
a xylem brand

ORDER NO.	Mfr. No.	Description
32601-0092	32601-0092	12 Volt DC, Fuse 10 Amp
18912-3050	18912-3050	Diaphragm

PAR-MAX 3 SHOWER DRAIN PUMP

New generation, long life fully serviceable shower drain pump.

- 3.5 gpm (13.2 lpm) at 3ft (1m) head.
- Self-priming up to 10ft (3m) allows mounting above wet bilges.
- Diaphragm design allows extended dry running.
- Continuous rated, heavy duty motor with waterproof coating for harsh bilge environments.
- Thermal overload protection automatically stops the motor if it overheats due to overloading, with auto re-start feature.
- Complies with USCG 183.410 and ISO 8846 MARINE (Ignition Protection).
- ISO 8849 MARINE (Bilge Pump Standard).
- Complete with Pumpgard.
- Oil resistant elastomers.

Fitting: Connections for 3/4"(19mm) ID hose.
Size: 7.7" long x 4.2" wide x 4.1" high (19.6cm x 10.6cm x 10cm).
Weight: 5.0 lb (2.1kg).

SHOWER DRAIN PUMP/ BILGE PUMP

Robust diaphragm pump suitable for shower and sink drain applications with a multi-positional pump head.

- 4.2 gpm (16 lpm) open flow output at 3ft (1m) head
- Self-priming up to 10ft (3m) vertical lift allows mounting above wet bilges
- Flexible Installation
- Compact and simple design
- Filter-less
- Quiet running
- Capable of extensive dry running
- Corrosion resistant parts
- Complies with USCG 183.410 and ISO 8846 MARINE (Ignition protection)
- ISO 8849 MARINE (Bilge Pump Standard)

Specifications:
Fitting: Connections for 3/4" (19mm) ID
Hose Size:
11.7"(29.7cm) long
x 5.9" (15cm) wide
x 4.4" (11.1cm) high
Weight: 6lb (2.7kg)

ORDER NO.	Mfr. No.	Description
50880-1000	50880-1000	12 Volt DC, Fuse 10 Amp
50880-1100	50880-1100	24 Volt DC, Fuse 5 Amp

FLOJET
a xylem brand

QUAD II SHOWER DRAIN PUMP

Transfer pump for shower and grey water

- Flow Rate: Up to 3.3 US Gal/Min (12.5 Liters/Min
- Runs dry without damage to the pump
- Manual on/off switch or automatic level control may be connected to pump (Not Included)
- Includes plug-in ports for easy installation 2 1/2" hose barb ports
- Strainer, 3/4" Port Fittings (NOT INCLUDED)
- Amp Draw: 4.0
- Dimensions: 3.75"H x 6.3"W x 8.2"L

Note: Positive displacement pumps, like this one must be operated with an on/off switch. Do not shut off these pumps with a valve.

ORDER NO.	Mfr. No.
410-51430	04105143A

For more information see: www.xylem.com

PERKO® MADE IN THE USA

WATER INLET FITTING

Chrome Plated Bronze with Standard Female Swivel Hose Connector. Complete with Black Polymer Watertight Plug and Stainless Steel Bead Chain. For Obtaining Water Under Pressure At Dockside.
Pipe Size: 1/2" / Flange O.D.: 2-3/4" / Screw Size: # 8

ORDER NO.	Mfr. No.	Description
621-04990	0499DPOCHR	Water Inlet Fitting
621-04999	0499DP099A	Spare Plug with Chain

WATER OUTLET FITTING

Chrome Plated Bronze with Standard Male Hose Connector. Complete with Watertight Black Polymer Cap and Stainless Steel Bead Chain. For Use with On-Board Washdown Systems.
Pipe Size: 1/2" / Flange O.D.: 2-3/4" / Screw Size: # 8

ORDER NO.	Mfr. No.	Description
621-05040	0504DPOCHR	Water Inlet Fitting
621-05041	0504DP099A	Spare Plug with Chain

For more information see: www.perko.com

SHOWER SUMP PUMP/SHOWER DRAIN

SHOWER SUMP PUMP SYSTEMS

Larger Capacity, Improved Performance

Multiple inlets can be hooked up to more than one drain – Using different hose sizes

Attwood's two new shower sump systems deliver the performance you've been asking for:

- Choice of sizes and output performance
- Fast water flow into and out of sump
- The lid snaps in to allow quick installation and removal for cleaning
- The new lid includes a gasket to seal the sump box against overflow. Even includes an air vent to prevent air locks.
- Inlets are routed directly into the sump box instead of through a shared manifold, providing less restrictive water flow. Water is pumped out of the sump box by Attwood's proven Sahara pump with self-contained, super reliable, mercury free, float switch.
- Produces faster draining with less clogging and less-frequent cycling resulting in lower power drainage
- Installation is simple.

It all adds up - Attwood's new shower sump provides reliable performance, larger capacity, simpler installation and maintenance.

Standard Capacity, 500GPH

Large Capacity, 750GPH

ORDER NO.	Mfr. No.	Model No.	Rated Voltage	Fuse Size	Outlet Hose Size	Amp Draw	Box Size
104-41410	4141-4	500 GPH	12-volt	3 amps	3/4" I.D.	1.4	4-1/2"H x 8-1/8"W x 10-1/2"L
104-41430	4143-4	750 GPH	12-volt	5 amps	3/4" I.D.	2.5	4-7/16"H x 7-23/64"W x 13"L

For more information see: attwoodmarine.com

MULTIPLE PORT SHOWER SUMP WITH ULTIMA SWITCH

Mercury Free with no moving parts

This compact shower sump pump system is designed to meet the higher demands from today's boating industry where more equipment is used. This also includes the fresh water systems onboard and involves shower, dish-washing machines, galley sinks, etc. The shower sump turns on/off automatically using the Ultima switch technology and has multiple inlet ports for handling waste water from more than one tapping point. Equipped with a check valve on the outlet which stops water flowing back into the tank. The tank has a tight-fitting lid to minimize splashing & odours. To further aid in cleaning, the system includes an easily removable mesh filter.

- Capacity: 972 GPH Straight (13.6 V): 61 l/min
- Capacity: 1.0m head (13.6 V): 844 GPH / 53 L/min
- Voltage: 12 V
- Amperage: 3.4 A / 2 A
- Fuse Size: 5 A / 3 A
- Intake Hose: 1 x 3/4", 1 x 3/4" or 1 x 1", 1 x 1-1/8" or 1 x 1-1/2"
- Discharge Hose: 3/4"
- Dimensions: 11.5" L X 8.26" W X 5.7" H
- Weight: 2.3 lbs.

Mercury free

Mfr. No.57151

ORDER NO. 847-57151

For more information see: spxflow.com/johnson-pump-marine

SHOWER DRAIN SUMP SYSTEM

12 Volt

- Compact, full-capacity shower drain system
- Activated by a float switch, it turns on as the tank fills and shuts off when it's empty
- Three inlet ports that offer varying combinations for the inlet hose, as well as a quick-release tank lid and an easy-clean internal strainer

ORDER NO.	Mfr. No.	Nominal GPH / LPH	Amps @	Amps @	Discharge	Ports	Check Valve	Discharge Hose Diameter	Size L x W x H
272-00098B	98B	800 / 3028	2.9 (12V)	3.5 (13.6V)	3/4"	Yes	Yes	3/4" (19mm)	9" x 9.5" x 5"
272-00099B	99B	1100 / 4164	3.7 (12V)	4.5 (13.6V)	3/4"	Yes	Yes	1-1/8" (29mm)	9" x 9.5" x 5"

For more information see: www.xylem.com

GULPER® 320

High Capacity Waste Pump for Multiple Drains

Fast Drainage & Space Saving On Board
No clog, no filter waste pump built on more than a decade of market leading pump technology

Gulper Valve Technology handles Shower Waste from Multiple Drains

- Save space one pump can be used for multiple drains with a grey waste tank
- Long life - runs dry without damage
- Easy to install - including uneven surfaces
- Reliable operation - Self priming
- Ignition protection ISO8846
- CE marked

- **Easy Maintenance -** Non-choke valves, no filter to block or clean
- **Ezi-clamp -** Twist & single screw to secure
- **Securing Strap -** Ensures pump remains in place in harsh marine conditions
- **Secure -** Three feet design - only 3 screws required
- **Reliability -** Double outlet valves for continuous flow
- **Simple Plumbing -** Barbed connections 19 mm (3/4") or 25 mm (1") hose size
- **Installation -** Multi directional head rotates 360˚ for convenient installation

Shower/Waste Pump	GULPER® 320	
ORDER NO.	**897-20520**	
Mfr. No.	BP2052	
Voltage	12 V dc	
Hose Connections	3/4" (19 mm) + 1" (25 mm)	
Nominal Voltage	12 V dc	
Recommended Fuse	10 amp automotive	
Min. Wire Size	1.5 mm² (16 AWG)	
Weight	1.6 kg (3.5 lbs.)	
Materials	Pump Head: Glass-filled Nylon, Valves & Diaphragm: Santoprene	
Max. Suction Lift	3 m (10 ft.)	
Max. Discharge Head	3 m (10 ft.)	
Max. Discharge Head & Suction Lift Combined	4 m (13.5 ft.)	
Performance Data		
Suction Lift	0 m	0 m
Discharge Lift	1 m (3 ft.)	3 m (10 ft.
Hose Size	3/4" (19 mm)	1" (25 mm)
Flow Rate per Minute	19 liters (5 US Gals)	17.5 liters (4.6 US Gals)
Current Draw	7.5 amps (12V dc) 3.25 amps (24V dc)	8 amps (12V dc) 4 amps (24V dc)

Note: Service Kit AK2050 Replacement pump head (Available Separately)

GULPER® 220

Gulper Valve Technology handles Shower Waste such as Hair & Gel
No clog, no filter waste pump built on more than a decade of market leading pump technology

Reliably Pumps Shower Waste

- Up to 14 liters (3.7 US Gals) per minute
- Will run dry without damage and pump a mixture of air and water
- Virtually non-choke valves - No filter to unblock
- Reliable operation - Self priming up to 3 m (10 ft.)
- Easy to install in confined spaces
- Double outlet valve ensuring continuous flow
- Multi directional head - for ease of installation
- Low power consumption
- CE marked
- Ignition protection ISO8846
- IP45 rated

- **Robust Housing -** Reliable, Marine Grade materials
- **Vibration Absorbing Rubber Feet**
- **Easy Maintenance -** Non-choke valves, no filter to block or clean
- **Double Outlet Valve for Continuous Flow**
- **Simple Plumbing**
  - Barbed connections 19 mm (3/4") or 25 mm (1") flexible hose
- **Straight forward Installation -** Multi directional head rotates 360˚for convenient installation

Shower/Waste Pump	GULPER® 220	
ORDER NO.	**897-15520**	
Mfr. No.	BP1552	
Voltage	12 V dc	
Hose Connections	3/4" (19 mm)	
Nominal Voltage	12 V dc	
Recommended Fuse	5 amp automotive	
Min. Wire Size	1.5 mm² (16 AWG)	
Weight	1.5 kg (3.4 lbs.)	
Materials	Pump Body: Aluminum, Glass-filled Nylon, Clamp Ring: Acetal, Diaphragm: Santoprene®, Valves: Nitrile®	
Max. Suction Lift	3 m (10 ft.)	
Max. Discharge Head	3 m (10 ft.)	
Max. Discharge Head & Suction Lift Combined	4 m (13.5 ft.)	
Dry Running Current	2.4 amps	

Note: Service Kit AK1550 Contains: Diaphragm & Valves

Performance Data		
Suction Lift	0 m	0 m
Discharge Head	1 m (3 ft.)	3 m (10 ft.
Hose Size	3/4" (19 mm)	1" (25 mm)
Flow Rate per Minute	13.4 liters (3.5 US Gals)	12.6 liters (3.4 US Gals)
Current Draw	3.5 amps (12V dc) 1.75 amps (24V dc)	4 amps (12V dc) 2 amps (24V dc)

For more information see: www.whalepumps.com

COMPACT SHOWER DRAIN / BILGE & WASTE WATER PUMP

Viking Power 16

Single - chamber, self priming diaphragm pump that can be set up in several different pump/motor configurations.

Features:

- Specially designed to pump waste water
- Easy to install, even in tight spaces
- Quiet operation
- Easy, low cost maintenance
- High-impact glass-fiber reinforced nylon body
- Ball-bearing supported transmission
- Non-choke valves - no filters required
- Self-priming up to 3 meters (9.8 feet)
- Can be run dry and can pump air/water mixture
- Robust single diaphragm
- KlickTite™ XL connectors standard
- 12 Volt
- Low power consumption
- Complies with ISO15083 and small craft bilge pump standard for vessels up to12 meters (39.4 ft)

CE Approved

Technical Specifications:

Capacity:	16 l/min (4.2 GPM) open flow (15 l/min at 0.1 bar)
Max. Head:	3 meters (9.8 feet)
Max. Lift:	3 meters (9.8 feet)
Max. Head & Lift:	4 meters (13.1 feet)
Dimensions:	186 mm - 7.32" long 235/181 mm - 9.25"/7.13" wide 118/204 mm - 4.65"/8.03" high
Connection:	KlickTite™ XL connectors for 1" hose or 3/4" hose and 1/2" NPT/1/2" - 14 NPSM threads; straight and 90º
Motor:	40 W at 1m head, 12 VDC (with built-in thermal protection)
Body:	Nylon glass-fiber reinforced
Valves:	Nitrile rubber
Diaphragm:	Reinforced nitrile rubber

ORDER NO. 101-13350

Mfr. No. 10-13350-03

VIKING POWER VACUUM

Viking Power Vacuum diaphragm pump has been designed to meet the rigorous demands of the world's leading manufacturers of boats, recreational vehicles and buses.

The Viking Power Vacuum has double check-valves and can therefore also be used in vacuum toilet systems. Naturally, pumping ordinary shower or sink drain water or bilge water is no problem for this pump. Like the Viking Power 16, this pump has been engineered with a ball-bearing supported transmission for long service life. The pump cannot only be run dry, it can also handle a mixture of air and water without difficulty. Although powered by an electric motor, this pump can also be cranked by hand in case of an emergency.

Features:

- Maximum flow 24 l/min
- Specifically engineered to pump black wastewater
- Uncompromising odour-prevention features
- Whisper quiet operation
- High-impact glass-fiber reinforced nylon body
- Ball-bearing supported transmission
- Non-choke valves – no waste shredding required
- Pump head rotatable 360˚
- Double check valves
- Self-priming up to 5 meters (16.4 feet)
- Can be run dry and can pump air/water mixture
- Electric motor with power-out, manual-crank backup
- Complies with ISO 15083 and small craft bilge pump standard for vessels up to12 meters (39.4 ft)

ORDER NO. 101-13373-07

Mfr. No. 10-13373-07

Technical Specifications:

Capacity:	24 l/min (6.3 GPM) open flow 22 l/min (5.8 GPM) at 0.1 bar
Max. Head:	4 meters (13.1 feet)
Max. Lift:	5 meters (16.4 feet)
Max. Head & Lift:	4 meters (13.1 feet)
Dimensions:	340 mm - 13.39" long 271 mm - 10.67" wide 192 mm - 7.56" high
Ports:	38 mm/1-1/2"
Motor:	3.3 amp (12V), 1.6 AMP (24V) at 0.1 bar, 12/24V DC (with built-in thermal protection)
Body:	Nylon
Valves:	Nitrile rubber
Diaphragm:	Reinforced nitrile rubber

For more information see: spxflow.com/johnson-pump-marine

MARINE SHOWERHEAD

Enjoy longer showers with this ergonomically designed, handheld showerhead. Convenient on/off switch allows you to pause the flow of water while shampooing, greatly reducing the amount water used. No more rushing through your shower to conserve water. Multi-featured showerhead allows you a choice of four spray patterns. From a drenching rain to a gentle massage, you can personalize your shower with your favorite comfort settings.

- Heavy-duty construction for years of use
- Produces 2.5 GPM with 40psi or 1.7GPM with 25psi at the water source

Convenient ON/OFF Switch

ORDER NO.	Mfr. No.	Description
668-43710	43710	Showerhead only, Chrome
668-43711	43711	Showerhead only, White

MARINE SHOWERHEAD KITS

Kits include:
Showerhead, 60" shower flex hose, washers, wall mount and hardware.

ORDER NO.	Mfr. No.	Description
668-43713	43713	Showerhead Kit, Chrome
668-43714	43714	Showerhead Kit, White

Mfr. No. 43718

Mfr. No. 43719

CHROME SHOWER HEAD MOUNTS

Adjustable wall mount gives you great flexibility in positioning your showerhead. Two-position wall mount gives you a choice of two angles for your showerhead. Hardware included.

ORDER NO.	Mfr. No.	Description
668-43718	43718	Showerhead Mount, Two-Position, Chrome
668-43719	43719	Showerhead Mount, Adjustable, Chrome

TASTEPURE™ FRESH WATER HOSES

- Super heavy duty hoses are reinforced for maximum kink resistance
- Drinking water safe
- Made of FDA approved materials

ORDER NO.	Mfr. No.	Description
668-22783	22783	Fresh Water Hose, 5/8" ID., 25 Feet
668-22793	22793	Fresh Water Hose, 5/8" ID., 50 Feet
668-22803	22803	Fresh Water Hose, 5/8" ID., 75 Feet

For more information see www.camco.net

MARINE SHOWER FLEX HOSE

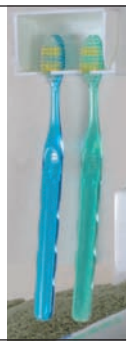
Shower flex hose features a reinforced construction that eliminates hose kinking. Flexible 60" replacement hose with built-in connectors for easy installation to a standard 1/2" shower arm. Washers included.

ORDER NO.	Mfr. No.	Description
668-43716	43716	Shower Flex Hose, Chrome
668-43717	43717	Shower Flex Hose, White

POP-A-TOOTHBRUSH™

Protect and store toothbrushes with easily-installed holder that guards against dust and germs. Cover opens automatically when toothbrush is pulled forward. Vented for quick drying. Double-sided tape allows for permanent mounting.

Mfr. No. 57203
ORDER NO. 668-57203



TASTEPURE™ PREMIUM DRINKING WATER HOSE

Heavy duty reinforced 5/8" ID drinking water hose is 20% thicker than standard hoses. Rated for 300 psi and NSF listed. BTA free. Anti-kink design features machined fittings and strain-relief ends for added durability.

ORDER NO.	Mfr. No.	Description
668-22853	22853	Premium hose, 5/8"ID, 50'

QUICK HOSE CONNECT VALUE PACK

Great for RV, Marine, Camping or Residential Use

- Includes 1 female end & 3 male connectors
- Durable solid brass with rubber grips
- Automatic shut-off valve

ORDER NO.	Mfr. No.
668-20136	20136

JABSCO
a xylem brand

WATER PUPPY

Heavy duty, continuously rated waste sump pump.
- 380 gph (1430 lph) output at 3m (10ft) total head.
- Self-priming up to 4ft (1.2m) vertical lift.
- Bilge debris presents no problem to this bronze bodied, flexible impeller pump.
- Simple design means fewer wearing parts - all user serviceable.
- Complies with USCG 183.410 and ISO 8846 MARINE (Ignition protection).
- ISO 8849 MARINE (Bilge Pump Standard).

Fitting: Connections for 1/2"NPT male threaded fittings, and for 1" (25mm) ID hose.
Size: 6-3/8" long x 4-3/4" wide x 3-1/2" high (16.2cm x 12cm x 8.9cm).

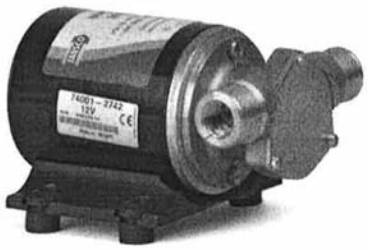
ORDER NO. 18660-0121
12 Volt dc model, fuse 15 amp
ORDER NO. 06303-0001-P
Replacement Impeller

COMMERCIAL DUTY WATER PUPPY

High flow, continuously rated bilge pump offering good discharge head.
- 470 gph (1770 lph) output at 10ft (3m) total head.
- Self-priming up to 8ft (2.4m) vertical lift.
- Bilge debris presents no problem to this bronze bodied, flexible impeller design.
- Simple design means fewer wearing parts - all user serviceable.
- Complies with USCG 183.410 and ISO 8846 MARINE (Ignition protection).
- ISO 8849 MARINE (Bilge Pump Standard).

Fitting: Connections for 1" (25mm) ID hose, or 1/2"NPT male threads. Do not use plumbing of less than 3/4" (19 mm) internal diameter.
Size: 7-1/8" long x 4-3/4" wide x 3-1/2" high (18.1cm x 12cm x 8.9cm).

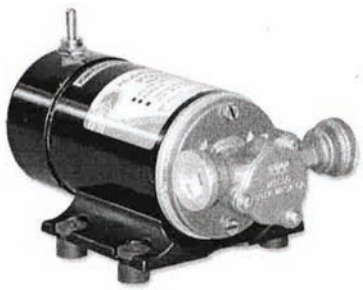
ORDER NO. 18670-0123
12 Volt dc model, fuse 15 amp
ORDER NO. 06303-0003-P - Replacement Impeller



MINI PUPPY 12V

Use for bilge pumping, livewell circulation, washdown and general pumping requirements. When bilge water contains significant amounts of oil, use impeller No. 14750-0003-P. For intermittent duty, motor may be reversed.* With a wet impeller, pump will produce a suction lift of about 4 feet (1,2m) and a lift to 15 feet (5m) when primed.
BE SURE SUCTION LINES ARE AIRTIGHT.
Flow Rate: 1.8 GPM (6.8 LPM)
Body: Bronze
Ports: 3/8" Pipe Thread Internal Plus an adaptor for 3/4" Garden Hose thread
Size: 3-3/8"H x 6-3/4"L x 3-3/4"W
ORDER NO. 08860-0001

ORDER NO. 14750-0001 - Replacement Neoprene Impeller



REVERSIBLE MINI PUPPY PUMP

Use for circulating and draining bait tank, engine oil changing or general pumping requirements. With a wet impeller, pump will produce a suction lift of about 3 to 4 feet (0.9 to 1.2m) and a lift of about 10 feet (3m) when primed. BE SURE SUCTION LINES ARE AIRTIGHT.
Flow Rate: 1.8 GPM (6.8 LPM)
Body: Bronze
Ports: 3/4" Garden Hose External
Size: 3-3/8"H x 8-5/8"L x 4"W
ORDER NO. 18620-0003

ORDER NO. 14750-0003-P - Replacement Nitrile Impeller

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FLEXIBLE IMPELLER AC MOTOR PUMP UNITS

Jabsco bronze AC motor pump units are similar to the popular Puppy pumps but are equipped with AC electric motors. They are ideal for dockside general purpose pumping and some onboard applications. With four models available offering flows from 3-1/2 to 26 GPM, there is a Jabsco pump suitable for almost any de-watering, washdown or circulation application. They are self-priming and portable making them very versatile.

12210-Series

The 12210-Series pumps are the most compact of the AC motor pump units. They are capable of delivering up to 3-1/2 GPM. The motor has replaceable brushes for extended life. However, they are not rated for continuous duty operation.

The 11810-Series pumps are mid-range models which deliver about 9.5 GPM respectively. They have a replaceable wearplate to extend serviceability when handling abrasive fluids.

The 06050-0003 pump is the largest of the motor pump units. With a capacity of 26 GPM, it is ideal for the larger de-watering or washdown applications. The motor can be wired for either 115 volt or 230 volt operation.

6050-Series

ORDER NO.	GPM* (L/min.)**	Voltage	Motor HP	Duty Cycle	Int.	Ext.	Impeller	Dimensions in (mm) Height	Width	Length(mm)	Weight Lb (kg)
06050-0003	23 (87)	115/230	3/4	Continuous	1 NPT	—	06056-0003	8-5/8" (186)	8" (203)	13" (229)	35-1/2 (16)
11810-0003	9.5 (36)	115	1/3	Continuous	1/2 NPT	GHT	05929-0003	7-3/4" (197)	7-1/4" (184)	10-1/2" (267)	22 (10)
12210-0001	3.4 (12,8)	115	1/12	Intermittent	3/8 NPT	GHT	01414-0001-P	3-5/8" (92)	4" (127)	6-7/8" (102)	5 (2,3)
12210-0003	3.4 (12,8)	115	1/12	Intermittent	3/8 NPT	GHT	01414-0003-P	3-5/8" (92)	4" (127)	6-7/8" (102)	5 (2,3)

**GPM flow at 10 feet head. ** L/min. at 3m head*

WARNING: PUMPS WITH AC MOTORS CAN SPARK. EXPLOSION AND DEATH CAN OCCUR. DO NOT USE WHERE FLAMMABLE VAPORS ARE PRESENT.

CYCLONE® STAINLESS STEEL CIRCULATION PUMPS

Robust, high efficiency and flow, long life circulation pumps.
Typical applications include Hot & Cold water systems, windscreen washing, livewell and bait tank systems and liquid transfer

- 29 gpm (110 lpm) maximum flow
- Low & High pressure versions available
- Robust stainless steel body and anti-clogging design Impeller
- Only one tool needed for all servicing
- ISO 8846 MARINE & USCG Regulations for Ignition Protection
- ISO 8849 MARINE Bilge Pump Standard

LOW PRESSURE

12 Volt DC, 3/4" NPT ports, fuse size 10 amp.
6" (15cm) long x 6-1/2" (16 cm) wide x 5" (12cm) high
15 lb (6.8 kg)

Mfr. No. 50840-0012
ORDER NO. 50840-0012

HIGH PRESSURE - 12V DC

12 Volt DC, 3/4" NPT ports, fuse size 25 amp.
9" (22cm) long x 4-1/2" (11 cm) wide x 5" (12 cm) high
23 lb (10.5 kg)

Mfr. No. 50860-0012
ORDER NO. 50860-0012

For more information see: www.xylem.com

JABSCO
a xylem brand

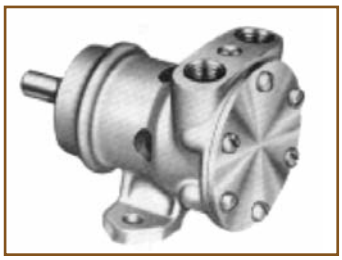
FLEXIBLE IMPELLER PEDESTAL PUMPS

FOR ENGINE COOLING & GENERAL PURPOSE PUMPING

Jabsco pedestal mount corrosion resistant bronze pumps are ideal for engine cooling, washdown, circulation and many general purpose on-board or dockside applications.
The bronze or stainless steel shaft is installed with permanently lubricated ball bearings for long life and heavy duty service. Self-priming with the ability to operate in either direction at variable speeds. Capacities range from 3 GPM (11 LPM) to 83 GPM (314 LPM) with various port configurations and sizes. Most models have replaceable cams and wearplates for extended product life. Removable end cover for easy impeller service. The standard impeller for these pump models is neoprene with some having alternative oil resistant nitrile impeller available.*

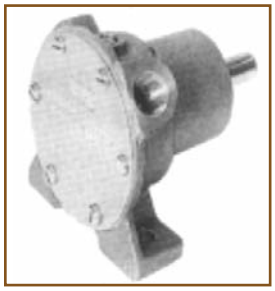
Capacities shown are at 1750 RPM, 10 ft (3m) head.
Impellers listed for service reference only.

3.7 GPM (14 LPM); 1/4" NPT port connections;
3/8" (9.7mm) dia. shaft; full cam and lip seal.



Pump
02760-0001*

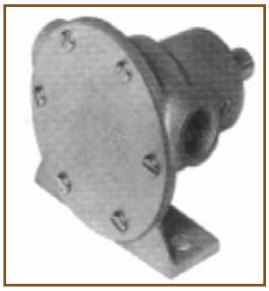
Impeller
04528-0001-P



Pump
02620-1101*

Impeller
18673-0001-P

5.8 GPM (22 LPM);
3/8" NPT port connections;
1/2" (12,7mm) dia. shaft; full cam and lip seal.



Pump
01673-1001*

Impeller
01210-0001-P

11.3 GPM (42,8 LPM);
1/2" NPT port connections;
5/8" (16 mm) dia. shaft; full cam and lip seal.

CRUSADER - TYPE

The Jabsco Crusader type pump is a direct replacement for the stock Crusader (Thermo Electron) pump no. 97179 and (Sherwood No. E-35) sold through Crusader dealers. It fits most pre-1993 Crusader engine models, accepts the Crusader drive pulley and bolts directly to the stock mounting bracket. It has a replaceable wearplate and the seal can generally be replaced without even removing the pump shaft. The impeller will fit either the stock Crusader pump or the upgraded Jabsco model.

ORDER NO. 42730-0000
1" NPT internal port connection

Pump
00777-9001*

Impeller
17937-0001-P

23 GPM (87 LPM); 1" NPT(F) port connections; 5/8" (16 mm) dia. shaft; mechanical face seal. Brass cam and impeller insert.

Pump
06400-0004

Impeller
17935-0001-P

62 GPM (235 LPM); 1-1/4" NPT port connections; 1" (25,4mm) dia. shaft; face seal. Brass cam and impeller insert.

**These models may be ordered equipped with nitrile impellers by inserting a 3 in the last digit of the model number in place of the 1.*

MERCRUISER - TYPE

The Jabsco Mercruiser type replacement pump has a one piece bronze body and bronze end-plate and cast iron composite pump (Quicksilver model No. 46-72774-A32) supplied as original equipment. It has a replaceable cam and wearplate so it can be totally overhauled. The long-life Jabsco impeller fits both the stock MerCruiser pump and Jabsco aftermarket pump and is supplied with the gaskets needed to complete the impeller replacement.

ORDER NO. 43210-0001
1-1/4" Hose barb connection

For more information see: www.xylem.com

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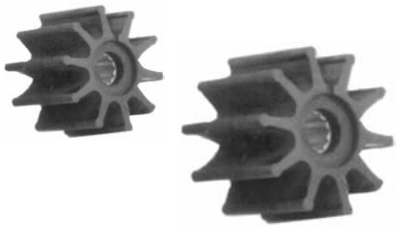
IMPELLER CROSS REFERENCE



Replacement impellers from the inventors of the flexible impeller pump.
The following Cross Reference illustrates Jabsco impellers that are interchangeable with other brand products. The recommended Jabsco impeller will serve as a direct replacement for the indicated other variety. It will produce the same required flow rate but also will provide the quality and long-life expected from a genuine Jabsco impeller.

CRUSADER	ORDER NO.
20300	18948-0001-P
1003026	18838-0001-P

JOHNSON	ORDER NO.
09-1026B-9	01210-0001-P
09-1027B	01210-0001-P
09-1027B-9-00	01210-0003-P
09-1028B-9	00920-0001-P
09-1028BT-1	17937-0001-P
09-1029B	00836-0001-P
09-1029B-9	00836-0003-P
09-801B	04568-0001-P
09-802B	06760-0001-P
09-806B-1	04528-0001-P
09-808B-1	22405-0001-P
09-810B-1	00653-0001-P
09-812B-1	13554-0001-P
09-814B	17936-0001-P
09-819B-00	17935-0001-P
09-824P-1	06303-0001-P
09-824P-9	06303-0003-P

MERCRUISER	ORDER NO.
47-59362*	17954-0001-P
47-831311350	31130-0061-P

OBERDORFER	ORDER NO.
6603	04598-0001-P
6617	06303-0001-P
7441	17937-0001-P
8922	18948-0001-P
132-0317	18838-0001-P
J050035	17935-0001-P

*Has single flat drive not spline

ONAN	ORDER NO.
132-0117	18838-0001-P
132-0162	01210-0001-P
132-0859	04528-0001-P
24880178	18838-0001-P
500135	17935-0001-P

PERKINS	ORDER NO.
0460024	17937-0001-P
0460027	17936-0001-P
0460038	01210-0001-P
7054	17935-0001-P
24880031	17937-0001-P
24880178	18838-0001-P
24880190	03085-0001-P
24880194	18673-0001-P
24990272	04528-0001-P
NA900010	18838-0001-P
NA900012	18948-0001-P

SHERWOOD	ORDER NO.
9959	18838-0001-P
9979	04528-0001-P
10615	18948-0001-P
15000	18327-0001-P
18200	17937-0001-P

VOLVO	ORDER NO.
801277	00920-0001-P
801277	17937-0001-P
803729	04528-0001-P
804696	18673-0001-P
807904	17935-0001-P
825941	00920-0001-P
825941	17937-0001-P
825942	17935-0001-P
831182	04568-0001-P
833995	22405-0001-P
842857	17936-0001-P
844683	17936-0001-P
845796	17936-0001-P
860203	01210-0001-P
875660	17935-0001-P
875697	17936-0001-P
897055	18673-0001-P
3856039-7	01210-0001-P
835512-5	18838-0001-P
835874-9	18948-0001-P
875575-3	04568-0001-P
875583-7	22405-0001-P
875736-1	17935-0001-P
875807-0	04528-0001-P
875808-8	18673-0001-P
875811-2	01210-0001-P
875814-6	17936-0001-P
876554-7	04528-0001-P
877061-2	00920-0001-P
877061-2	17937-0001-P
3830459	17938-0001-P

YAMAHA	ORDER NO.
YSC-101-03-01-0C	18838-0001-P
6TA-12457-00	18948-0001-P

YANMAR	ORDER NO.
104211-42070	04528-0001-P
124223-42091	22799-0001-P
124310-46090	04568-0001-P
127610-42200	17937-0001-P
128170-42070	21414-0001-P
129470-42530	01210-0001-P

SPECIAL ORDER ITEM

For more information see: www.xylem.com

WATER CIRCULATING PUMPS

Sierra
Marine Engine and Drive Parts

RAW WATER PUMP

Replaces:
Volvo 841640, PCM RA057023
Indmar 685011
Johnson Pump 10-24228-1
018-35861
For Impeller Repair Kit use # 018-30810

RAW WATER PUMP

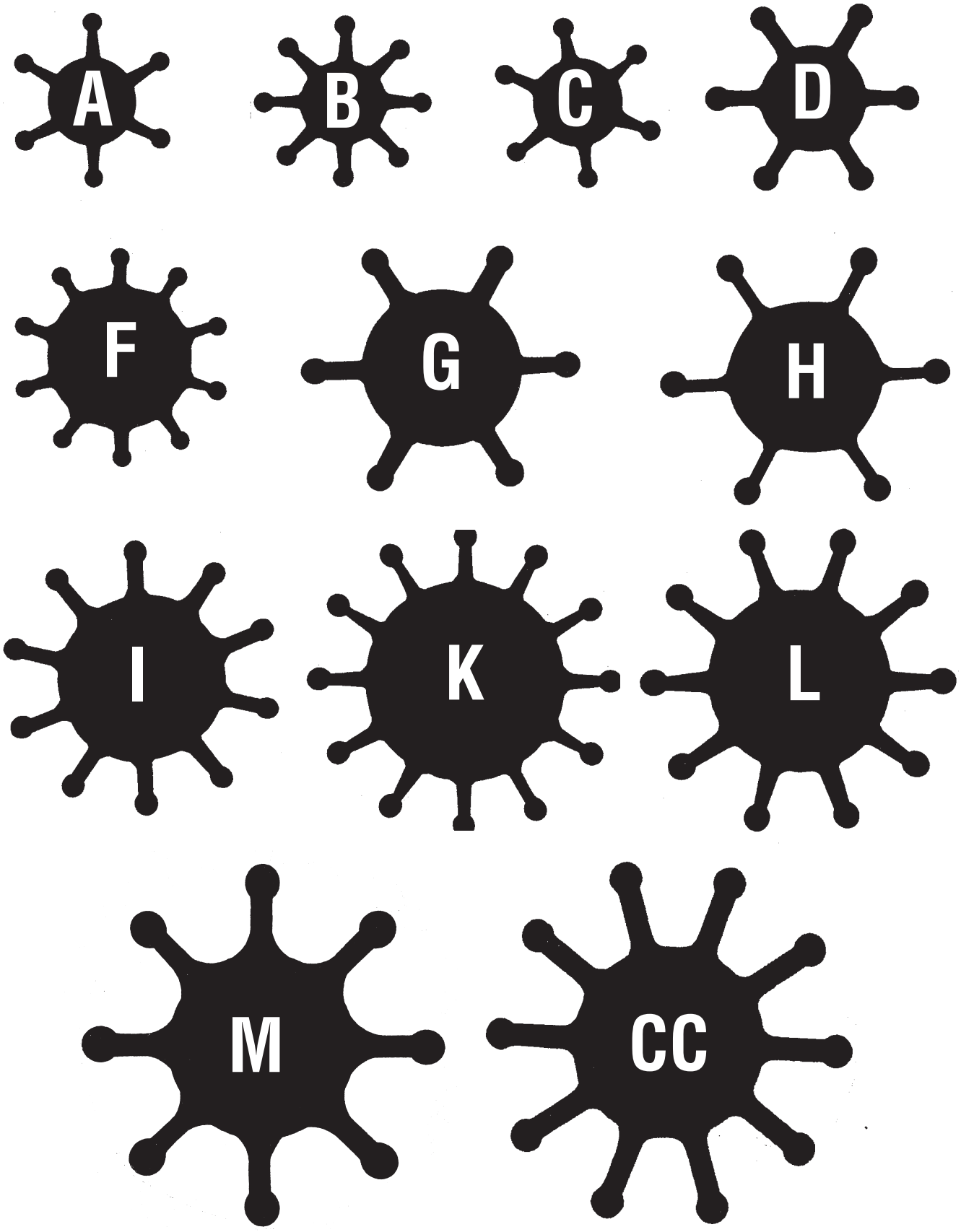
Replaces:
PCM RA057024
Indmar 685001
Johnson Pump 10-24232-1
018-35871
For Impeller Repair Kit use # 018-30890

For more information see: www.catalog.sierraparts.com

IMPELLER IDENTIFICATION GUIDE

JABSCO
a xylem brand

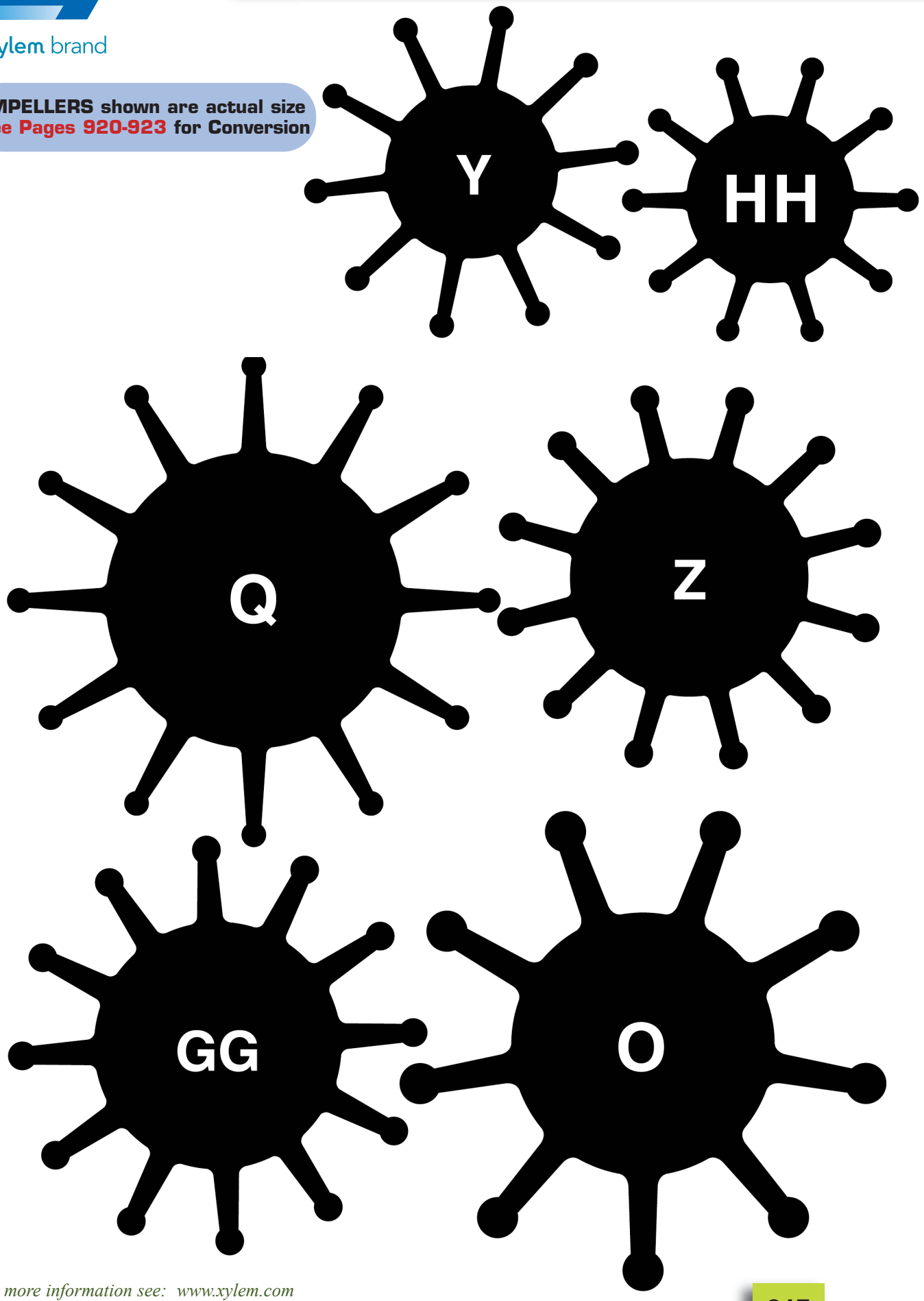
IMPELLERS shown are actual size **See Pages 920-923 for Conversion**



For more information see: www.xylem.com

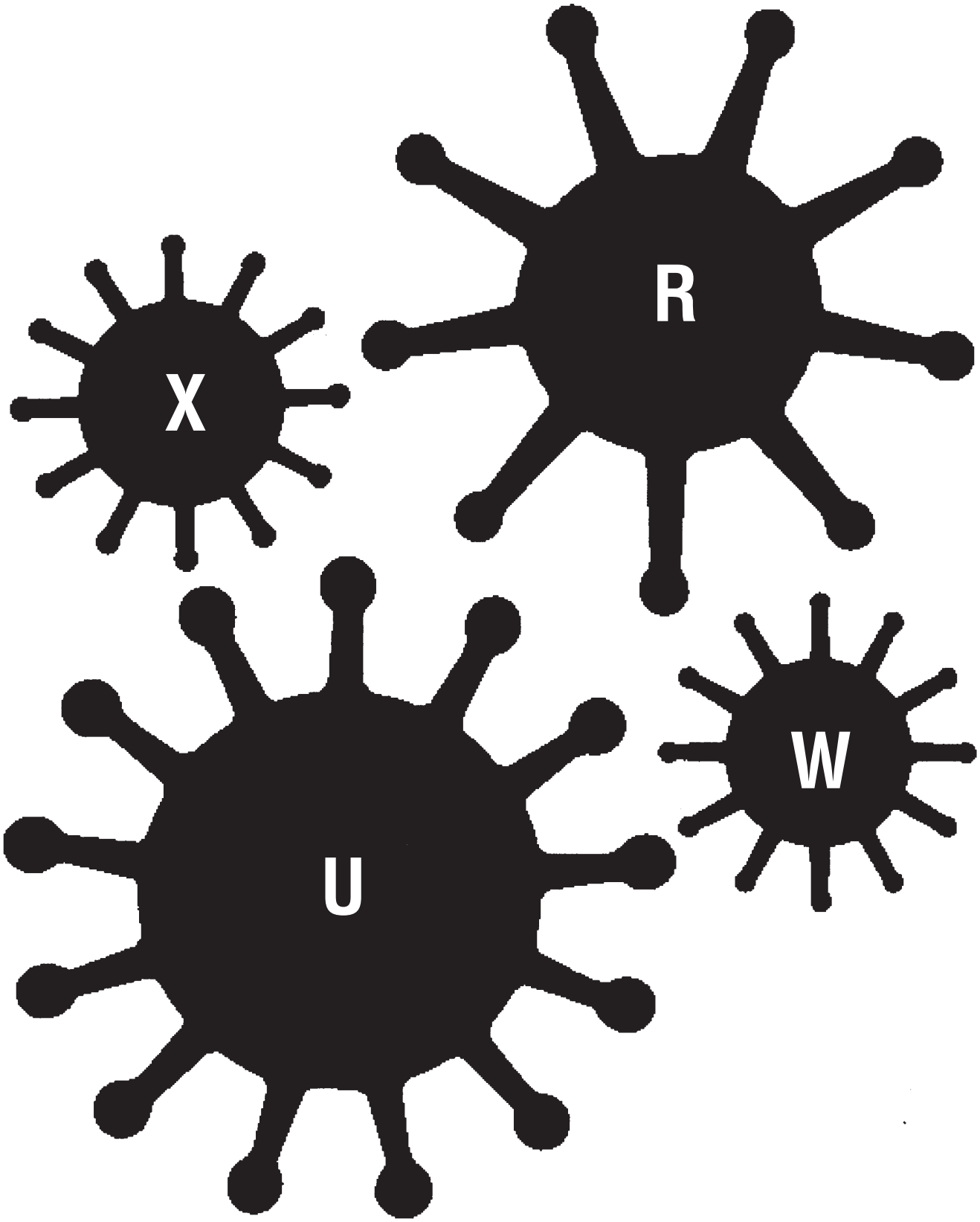
JABSCO
a xylem brand

IMPELLERS shown are actual size
See Pages 920-923 for Conversion



JABSCO
a xylem brand

IMPELLERS shown are actual size **See Pages 920-923 for Conversion**



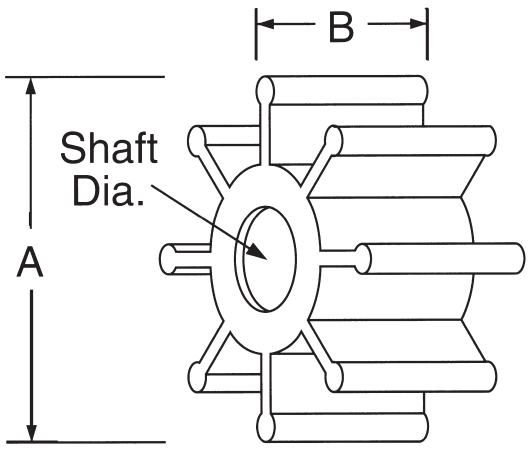
IMPELLER CHART NUMERICAL CROSS REFERENCE

IMPELLER NO.	SILHOUETTE
00836-0001-P	O
00836-0003-P	O
00836-0008-P	O
00920-0001-P	M
00920-0003-P	M
00920-0008	M
01210-0001-P	K
01210-0003-P	K
01414-0001-P	A
01414-0003-P	A
02999-0001	U
03085-0001-P	L
04527-0003	G
04528-0001-P	D
04528-0003-P	D
04568-0001-P	K
04568-0003-P	K
04598-0001-P	M
04598-0003-P	M
05616-0001-P	G
05929-0001-P	K
05929-0003-P	K
06056-0003-P	M
06303-0001-P	H

IMPELLER NO.	SILHOUETTE
06303-0003-P	H
06303-0007-P	H
0653-0001-P	G
06760-0003-P	O
07273-0001-P	G
07273-0003-P	G
09200-0001	F
09200-0023-P	F
11979-0001-P	M
12104-0001	A
13554-0001-P	K
14281-0001	K
14609-0001	C
14609-0003	C
14750-0001	B
14750-0003-P	B
17018-0001-P	M
17255-0003-P	D
17370-0001-P	Q
17935-0001-P	Q
17936-0001-P	Q
17937-0001-P	Y

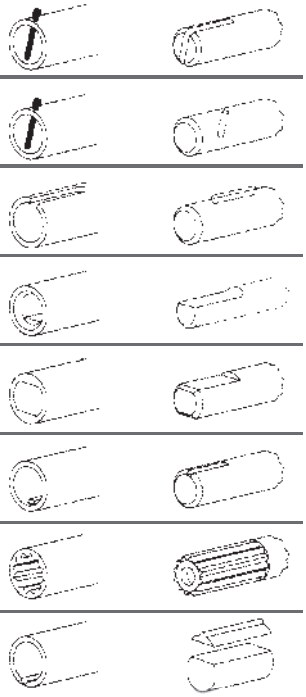
IMPELLER NO.	SILHOUETTE
17937-0003-P	Y
17938-0001-P	Q
17954-0001-P	Y
17956-0001-P	Y
18327-0001-P	Y
18653-0001-P	I
18673-0001-P	I
18673-0003-P	I
18777-0001-P	HH
18786-0001-W	R
18789-0001	R
18838-0001-P	W
18948-0001-P	X
18958-0001-P	GG
21414-0001-P	A
22405-0001-P	D
22799-0001-P	G
30919-0001	Z
31130-0061-P	CC
6760-0001	O
9200-0003	F

SPECIAL ORDER ITEM



TYPES OF INSERT AND SHAFT DRIVE

1. SLOTTED SHAFT PIN DRIVE
2. THROUGH HOLE PIN DRIVE
3. KEY DRIVE
4. SINGLE FLAT DRIVE
5. DOUBLE FLAT DRIVE
6. DING DRIVE KEYWAY
7. SPLINE DRIVE
8. RIBBED SEGMENT KEY



IMPELLER IDENTIFICATION GUIDE

SELECTION TABLE BY PROFILE

JABSCO
a xylem brand

Impeller		Material	Drive Type	Number of Blades	Dimensions						Insert Material
					Diameter		Width		Shaft Diameter		
Type	ORDER NO.				Inches	mm	Inches	mm	Inches	mm	
A	01414-0001-P	Neoprene	4	6	1-1/4	32	15/32	12	5/16	8	Brass*
	01414-0003-P	Nitrile	4	6	1-1/4	32	15/32	12	5/16	8	Brass*
	12104-0001	Neoprene	2	6	1-1/4	32	15/32	12	5/16	8	Brass
	21414-0001-P	Neoprene	4	6	1-1/4	32	15/32	12	5/16	8	Brass
(For use with Yanmar 1GM10 Marine Engines)											
B	14750-0001	Neoprene	4	8	1-1/4	32	15/32	12	5/16	8	Brass*
	14750-0003-P	Nitrile	4	8	1-1/4	32	15/32	12	5/16	8	Brass*
C	14609-0001	Neoprene	4	6	1-1/4	32	15/32	12	5/16	8	Brass*
	14609-0003	Neoprene	4	6	1-1/4	32	15/32	12	5/16	8	Brass*
CC	31130-0061-P	Neoprene	7	10	2-19/32	66	2-11/16	68	5/8	16	Brass★
D	04528-0001-P	Neoprene	1 or 2	6	1-9/16	40	3/4	19	3/8	9.5	Brass
	04528-0003-P	Nitrile	1 or 2	6	1-9/16	40	3/4	19	3/8	9.5	Brass
	17255-0003-P	Nitrile	-	6	1-9/16	40	3/4	19	1/4	6.4	None†
	22405-0001-P	Neoprene	1	6	1-9/16	40	3/4	19	15/32	12	Brass
F	09200-0001	Neoprene	4	10	1-9/16	40.5	3/4	19	5/16	8	Plastic*
	9200-0003	Nitrile	4	10	1-19/32	40.5	3/4	19	5/16	8	Plastic*
	09200-0023-P	Nitrile	4	10	1-19/32	40.5	3/4	19	5/16	8	Brass
G	653-0001-P	Neoprene	1	6	2	51	7/8	22	15/32	12	Brass
	(673-Series Impellers may be replaced with the newer 18673-Series - See Impeller Type I)										
	04527-0003	Nitrile	2	6	2	51	7/8	22	5/16	8	None
	05616-0001-P	Neoprene	6	6	2	51	7/8	22	1/2	12.7	Brass
	07273-0001-P	Neoprene	4	6	2	51	7/8	22	5/16	8	Plastic
	07273-0003-P	Nitrile	4	6	2	51	7/8	22	5/16	8	Plastic
	22799-0001-P	Neoprene	3	6	2	51	7/8	22	1/2	12.7	Brass
GG	18958-0001-P	Neoprene	3	12	3-1/4	82.5	2-57/64	73.4	25/32	21	Brass
H	06303-0001-P	Neoprene	4	6	2	51	7/8	22	5/16	8	Plastic
	06303-0003-P	Nitrile	4	6	2	51	7/8	22	5/16	8	Plastic
	06303-0007-P	Urethane	4	6	2	51	7/8	22	5/16	8	Plastic
HH	18777-0001-P	Neoprene	7	10	2-1/4	57	2	51	5/8	16	Brass
I	18653-0001-P	Neoprene	1	10	2	51	7/8	22	5/32	12	Brass
	18673-0001-P	Neoprene	1 or 2	10	2	51	7/8	22	1/2	12.7	Brass
	18673-0003-P	Nitrile	1 or 2	10	2	51	7/8	22	1/2	12.7	Brass

* Insert material was different
† Impeller molded on shaft
♦For low temperature to 27˚F (120˚F (max))

**Extended Drive sleeves
†† Sherwood Replacement Impeller
★ Mercruiser replacement

SPECIAL ORDER ITEM

For more information see:
www.xylem.com

IMPELLER IDENTIFICATION GUIDE

SELECTION TABLE BY PROFILE

Impeller		Material	Drive Type	Number of Blades	Dimensions						Insert Material
					Diameter		Width		Shaft Diameter		
Type	ORDER NO.				Inches	mm	Inches	mm	Inches	mm	
K	01210-0001-P	Neoprene	7	12	2-1/4	57	1-1/4	31.5	5/8	16	Brass
	01210-0003-P	Nitrile	7	12	2-1/4	57	1-1/4	31.5	5/8	16	Brass
	04568-0001-P	Neoprene	3	12	2-1/4	57	1-1/4	31.5	5/8	16	Brass
	04568-0003-P	Nitrile	3	12	2-1/4	57	1-1/4	31.5	5/8	16	Brass
	05929-0001-P	Neoprene	6	12	2-1/4	57	1-1/4	31.5	1/2	12.7	Brass
	05929-0003-P	Nitrile	6	12	2-1/4	57	1-1/4	31.5	1/2	12.7	Brass
	13554-0001-P	Neoprene	7	12	2-1/4	57	1-29/32	48.4	5/8	16	Brass
	14281-0001	Neoprene	5	12	2-1/4	57	1-1/4	31.5	5/8	16	Plastic
	(22120-Series Impellers may be replaced with the newer 18777-Series - See Impeller Type HH)										
L	03085-0001-P	Neoprene	7	10	2-1/4	57	1-1/4	31.5	1/2	12.7	Brass
M	00920-0001-P	Neoprene	7	8	2-9/16	65	2	51	5/8	16	Brass
	00920-0003-P	Nitrile	7	8	2-9/16	65	2	51	5/8	16	Brass
	00920-0008	Natural Rubber	7	8	2-9/16	65	2	51	5/8	16	Brass♦
	04598-0001-P	Neoprene	3	8	2-9/16	65	2	51	5/8	16	Brass
	04598-0003-P	Nitrile	3	8	2-9/16	65	2	51	5/8	16	Brass**
	06056-0003-P	Nitrile	6	8	2-9/16	65	2	51	5/8	16	Brass**
	11979-0001-P	Neoprene	7	8	2-9/16	65	1-7/16	36.5	5/8	16	Brass
	17018-0001-P	Neoprene	7	8	2-9/16	65	3	76.2	5/8	16	Brass
O	00836-0001-P	Neoprene	7	9	3-3/4	95	2-1/2	63	1	25.4	Brass
	00836-0003-P	Nitrile	7	9	3-3/4	95	2-1/2	63	1	25.4	Brass
	00836-0008-P	Natural Rubber	7	9	3-3/4	95	2-1/2	63	1	25.4	Brass♦
	6760-0001	Neoprene	7	9	3-3/4	95	3-1/2	88.9	1	25.4	Brass
	06760-0003-P	Nitrile	7	9	3-3/4	95	3-1/2	88.9	1	25.4	Brass
Q	17370-0001-P	Neoprene	5	12	3-3/4	95	3-1/2	88.9	1	25.4	Plastic
	17935-0001-P	Neoprene	7	12	3-3/4	95	2-1/2	63	1	25.4	Brass
	17936-0001-P	Neoprene	7	12	3-3/4	95	3-1/2	88.9	1	25.4	Brass
	17938-0001-P	Neoprene	7	12	3-3/4	95	3-3/4	95	1	25.4	Brass
R	18786-0001-W	Neoprene	5	9	4-5/8	118	3-1/2	88.9	1	25.4	Plastic
	18789-0001	Neoprene	7	9	4-5/8	118	3-1/2	88.9	1	25.4	Brass
U	02999-0001	Neoprene	7	13	5	127	4	101.6	1-1/2	38	Brass
W	18838-0001-P	Neoprene	3	12	2-7/16	62	1-1/4	31.5	5/8	16	Brass††
X	18948-0001-P	Neoprene	3	12	2-9/16	65	1-5/8	41.4	5/8	16	Brass††
Y	17937-0001-P	Neoprene	7	10	2-9/16	65	2	51	5/8	16	Brass
	17937-0003-P	Nitrile	7	10	2-9/16	65	2	51	5/8	16	Brass
	17954-0001-P	Neoprene	4	10	2-9/16	65	2	51	5/8	19	Brass★
	17956-0001–P	Neoprene	6	10	2-9/16	65	2	51	5/8	16	Brass
	18327-0001-P	Neoprene	3	10	2-9/16	65	2	51	5/8	16	Brass††
Z	30919-0001	Neoprene	5	12	3-1/16	77	3	76.2	13/16	20	Brass

* Insert material was different
† Impeller molded on shaft
♦For low temperature to 27˚F (120˚F (max))

**Extended Drive sleeves
†† Sherwood Replacement Impeller
★ Mercruiser replacement

SPECIAL ORDER ITEM

IMPELLER IDENTIFICATION GUIDE

JABSCO
a xylem brand

SELECTION TABLE BY DIMENSIONS

Number of Blades	Dimensions		Drive Type	Shaft Dimensions				Material	Insert Material	Impeller	
	Diameter			Diameter		Width					
	Inches	mm		Inches	mm	Inches	mm			ORDER NO.	Type
6	1-1/4	32	4	15/32	12	5/16	8	Neoprene	Brass*	01414-0001-P	A
	1-1/4	32	4	15/32	12	5/16	8	Nitrile	Brass*	01414-0003-P	A
	1-1/4	32	2	15/32	12	5/16	8	Neoprene	Brass	12104-0001	A
	1-1/4	32	4	15/32	12	5/16	8	Neoprene	Brass	21414-0001-P	A
	1-1/4	32	4	15/32	12	5/16	8	Neoprene	Brass*	14609-0001	C
	1-1/4	32	4	15/32	12	5/16	8	Neoprene	Brass*	14609-0003	C
	1-9/16	40	1 or 2	3/4	19	3/8	9.5	Neoprene	Brass	04528-0001-P	D
	1-9/16	40	1 or 2	3/4	19	3/8	9.5	Nitrile	Brass	04528-0003-P	D
	1-9/16	40	-	3/4	19	1/4	6.4	Nitrile	None†	17255-0003-P	D
	1-9/16	40	1	3/4	19	15/32	12	Neoprene	Brass	22405-0001-P	D
	2	51	1	7/8	22	15/32	12	Neoprene	Brass	653-0001-P	G
	2	51	2	7/8	22	5/16	8	Nitrile	None	04527-0003	G
	2	51	6	7/8	22	1/2	12.7	Neoprene	Brass	05616-0001-P	G
	2	51	4	7/8	22	5/16	8	Neoprene	Plastic	07273-0001-P	G
	2	51	4	7/8	22	5/16	8	Nitrile	Plastic	07273-0003-P	G
	2	51	3	7/8	22	1/2	12.7	Neoprene	Brass	22799-0001-P	G
	2	51	4	7/8	22	5/16	8	Neoprene	Plastic	06303-0001-P	H
	2	51	6	7/8	22	5/16	8	Nitrile	Plastic	06303-0003-P	H
8	1-1/4	32	4	15/32	12	5/16	8	Neoprene	Brass*	14750-0001	B
	1-1/4	32	4	15/32	12	5/16	8	Nitrile	Brass*	14750-0003-P	B
	2-9/16	65	7	2	51	5/8	16	Neoprene	Brass	00920-0001-P	M
	2-9/16	65	7	2	51	5/8	16	Nitrile	Brass	00920-0003-P	M
	2-9/16	65	7	2	51	5/8	16	Natural Rubber	Brass♦	00920-0008	M
	2-9/16	65	3	2	51	5/8	16	Neoprene	Brass	04598-0001-P	M
	2-9/16	65	3	2	51	5/8	16	Nitrile	Brass**	04598-0003-P	M
	2-9/16	65	6	2	51	5/8	16	Nitrile	Brass**	06056-0003-P	M
	2-9/16	65	7	1-7/16	36.5	5/8	16	Neoprene	Brass	11979-0001-P	M
	2-9/16	65	7	3	76.2	5/8	16	Neoprene	Brass	17018-0001-P	M
9	3-3/4	95	7	2-1/2	63	1	25.4	Neoprene	Brass	00836-0001-P	O
	3-3/4	95	7	2-1/2	63	1	25.4	Nitrile	Brass	00836-0003-P	O
	3-3/4	95	7	2-1/2	63	1	25.4	Natural Rubber	Brass♦	00836-0008-P	O
	3-3/4	95	7	3-1/12	88.9	1	25.4	Neoprene	Brass	6760-0001	O
	3-3/4	95	7	3-1/12	88.9	1	25.4	Nitrile	Brass	06760-0003-P	O
	4-5/8	118	5	3-1/12	88.9	1	25.4	Neoprene	Plastic	18786-0001-W	R
	4-5/8	118	7	3-1/12	88.9	1	25.4	Neoprene	Brass	18789-0001	R

* Insert material was different
† Impeller molded on shaft
♦For low temperature to 27˚F (120˚F (max))

** Extended Drive sleeves
†† Sherwood Replacement Impeller
★ Mercruiser replacement

SPECIAL ORDER ITEM

SELECTION TABLE BY DIMENSIONS

Number of Blades	Dimensions Diameter Inches	Dimensions Diameter mm	Drive Type	Shaft Dimensions Diameter Inches	Shaft Dimensions Diameter mm	Shaft Dimensions Width Inches	Shaft Dimensions Width mm	Material	Insert Material	Impeller ORDER NO.	Impeller Type
10	2-19/32	66	7	2-11/16	68	5/8	16	Neoprene	Brass★	31130-0061-P	CC
	1-19/32	40.5	4	3/4	19	5/16	8	Neoprene	Plastic*	09200-0001	F
	1-19/32	40.5	4	3/4	19	5/16	8	Nitrile	Plastic*	9200-0003	F
	1-19/32	40.5	4	3/4	19	5/16	8	Nitrile	Brass	09200-0023-P	F
	2-1/4	57	7	2	51	5/8	16	Neoprene	Brass	18777-0001-P	HH
	2	51	1	7/8	22	5/32	12	Neoprene	Brass	18653-0001-P	I
	2	51	1 or 2	7/8	22	1/2	12.7	Neoprene	Brass	18673-0001-P	I
	2	51	1 or 2	7/8	22	1/2	12.7	Nitrile	Brass	18673-0003-P	I
	2-1/4	57	7	1-1/4	31.5	1/2	12.7	Neoprene	Brass	03085-0001-P	L
	2-9/16	65	7	2	51	5/8	16	Neoprene	Brass	17937-0001-P	Y
	2-9/16	65	7	2	51	5/8	16	Nitrile	Brass	17937-0003-P	Y
	2-9/16	65	4	2	51	3/4	19	Neoprene	Brass★	17954-0001-P	Y
	2-9/16	65	6	2	51	5/8	16	Neoprene	Brass	17956-0001-P	Y
	2-9/16	65	3	2	51	5/8	16	Neoprene	Brass††	18327-0001-P	Y
12	3-1/4	82.5	3	2-57/64	73.4	25/32	21	Neoprene	Brass	18958-0001-P	GG
	2-1/4	57	7	1-1/4	31.5	5/8	16	Neoprene	Brass	01210-0001-P	K
	2-1/4	57	7	1-1/4	31.5	5/8	16	Nitrile	Brass	01210-0003-P	K
	2-1/4	57	3	1-1/4	31.5	5/8	16	Neoprene	Brass	04568-0001-P	K
	2-1/4	57	3	1-1/4	31.5	5/8	16	Nitrile	Brass	04568-0003-P	K
	2-1/4	57	6	1-1/4	31.5	1/2	12.7	Neoprene	Brass	05929-0001-P	K
	2-1/4	57	6	1-1/4	31.5	5/8	12.7	Nitrile	Brass	05929-0003-P	K
	2-1/4	57	7	1-29/32	48.4	5/8	16	Neoprene	Brass	13554-0001-P	K
	2-1/4	57	5	1-1/4	31.5	5/8	16	Neoprene	Plastic	14281-0001	K
	3-3/4	95	5	3-9/16	88.9	1	25.4	Neoprene	Plastic	17370-0001-P	Q
	3-3/4	95	7	2-9/16	63	1	25.4	Neoprene	Brass	17935-0001-P	Q
	3-3/4	95	7	3-9/16	88.9	1	25.4	Neoprene	Brass	17936-0001-P	Q
	3-3/4	95	7	3-3/4	95	1	25.4	Neoprene	Brass	17938-0001-P	Q
	2-7/16	62	3	1-1/4	31.5	5/8	16	Neoprene	Brass††	18838-0001-P	W
	2-9/16	65	3	1-5/8	41.4	5/8	16	Neoprene	Brass††	18948-0001-P	X
	3-1/16	77	5	3	76.2	13/16	20	Neoprene	Brass	30919-0001	Z
13	5	127	7	4	101.6	1-1/2	38	Neoprene	Brass	02999-0001	U

SPECIAL ORDER ITEM

FLEXIBLE IMPELLER REMOVAL TOOL

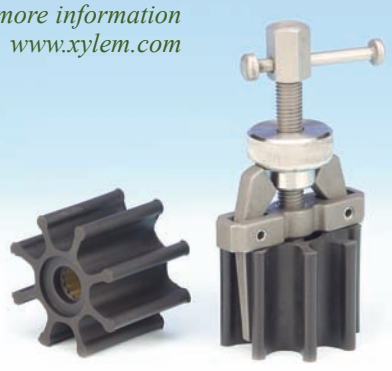
The Flexible Impeller Removal Tool is the easiest way to remove impellers, especially when the pump is mounted in tight and cramped conditions.

- Simple three stage operation easily removes the impeller.
- Removes the risk of expensive damage to the pump.
- Manufactured from corrosion resistant cast aluminum and stainless steel.
- Two models fit all impellers.

Size: 15cm wide x 2cm deep x 20cm high max (6" x 1" x 8")
Weight: 0.5kg (1.1lb)

ORDER NO.	Description
50070-0040	Suitable for impellers up to 65mm (2-1/2") diameter
50070-0080	Compact Version - Suitable for impellers up to 2-1/4" diameter
50070-0200	Suitable for impellers from 65mm (2-1/2") to 118mm (4-1/2") diameter

For more information see: www.xylem.com



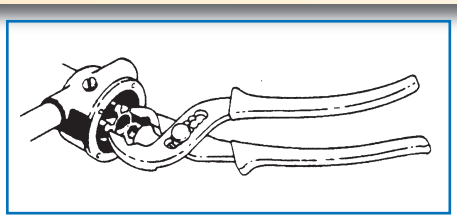
IMPELLER IDENTIFICATION GUIDE - Impellers shown are actual size. **See Page 927 for Conversion**

TAKE GOOD CARE OF THE COOLING SYSTEM
CHANGE TO A NEW IMPELLER EVERY YEAR

The impeller is a very important security device. Its task is to pump the water through the cooling system of the engine. But remember that the impeller should be replaced every year. And always make sure you get a Johnson Pump original impeller. Then you will know that it matches your pump exactly.

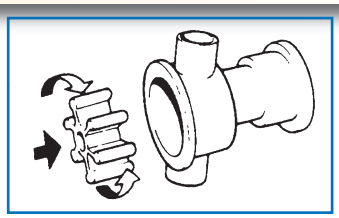
THIS IS HOW TO REMOVE THE OLD IMPELLER

Remove the impeller with a slip joint plier.



THIS IS HOW TO FIT THE NEW IMPELLER

Lubricate the shaft and the inside of the pump body and end cover. Use soap, grease or oil. By doing so you avoid dry friction when you start the engine. Mount the impeller by making a pushing and twisting movement in the rotating direction.

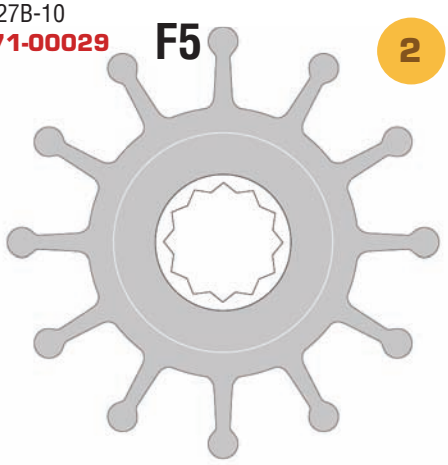


Change to a new impeller every year. It's just as important as changing oil and fuel filter.
The impellers are illustrated in full scale which means that you can identify your impeller without knowing the part number.

IMPELLER: 09-1027B-1
ORDER NO. 671-00003
IMPELLER: 09-1027B-10
ORDER NO. 671-00029

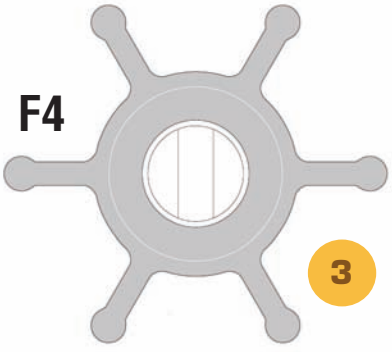
F5

2



F4

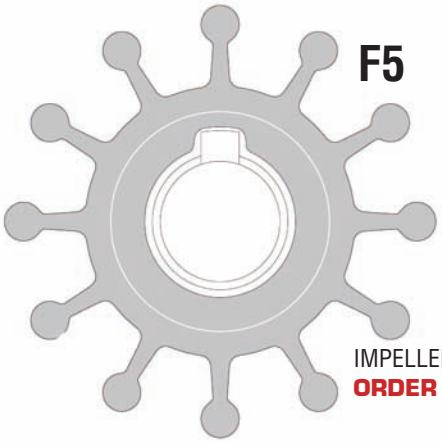
3



IMPELLER: 09-1026B-1
ORDER NO. 671-00002
IMPELLER: 09-1026B-9
ORDER NO. 671-00009

F5

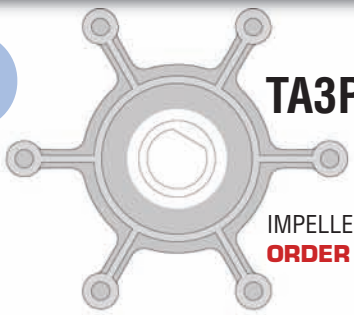
4



IMPELLER: 09-801B
ORDER NO. 671-00006

IMPELLER IDENTIFICATION GUIDE

Impellers shown are actual size. See Page 927 for Conversion



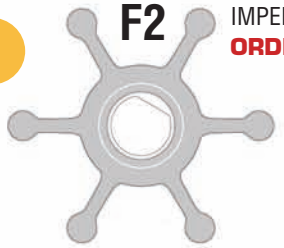
TA3P10

6

IMPELLER: 09-1052S-9
ORDER NO. 671-00007

5

F2

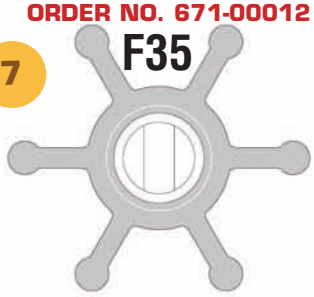


IMPELLER: 09-1077B-9
ORDER NO. 671-00008

IMPELLER: 09-806B-1
ORDER NO. 671-00012

7

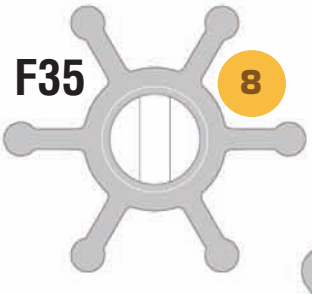
F35



IMPELLER: 09-808B-1
ORDER NO. 671-00001

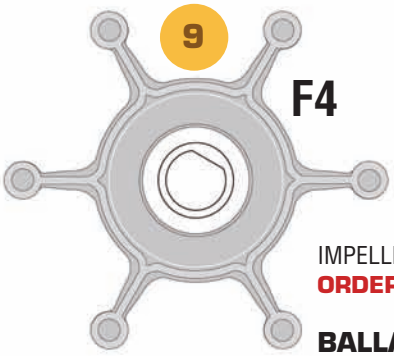
F35

8



9

F4



IMPELLER: 09-824P-9
ORDER NO. 671-00022

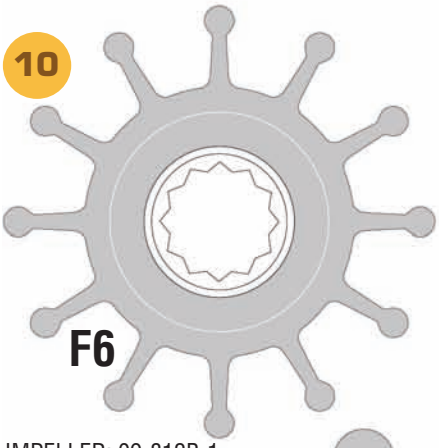
BALLAST PUMP IMPELLER KITS

NEW!

IMPELLER: 09-824P-2
ORDER NO. 671-09824P-2
IMPELLER: 09-849P-2
ORDER NO. 671-09849P-2

10

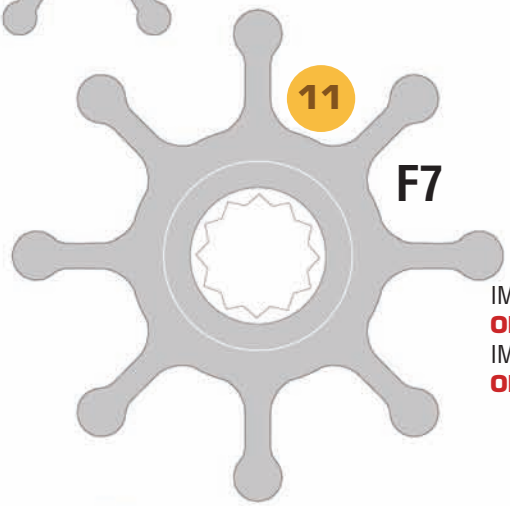
F6



IMPELLER: 09-812B-1
ORDER NO. 671-00004

11

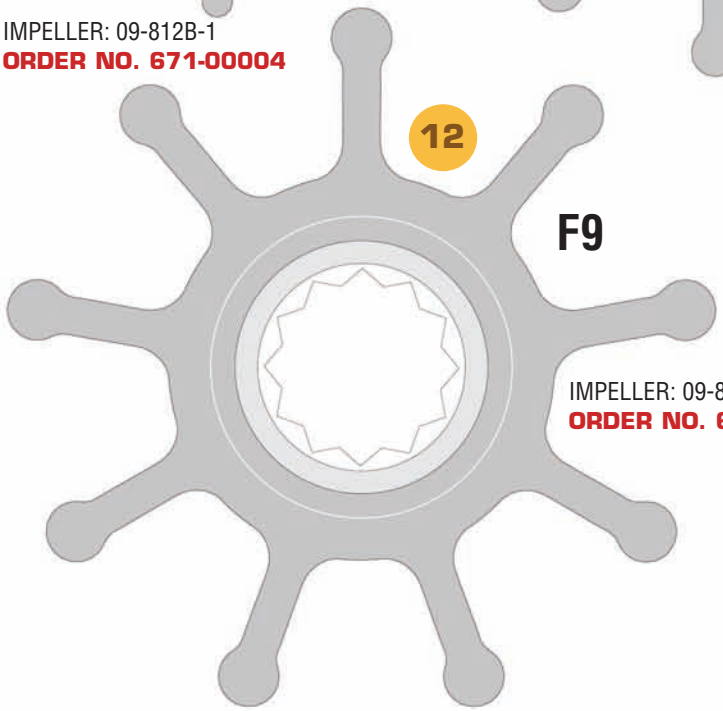
F7



IMPELLER: 09-1028BT-1
ORDER NO. 671-00005
IMPELLER: 09-1028B-9
ORDER NO. 671-00011

12

F9



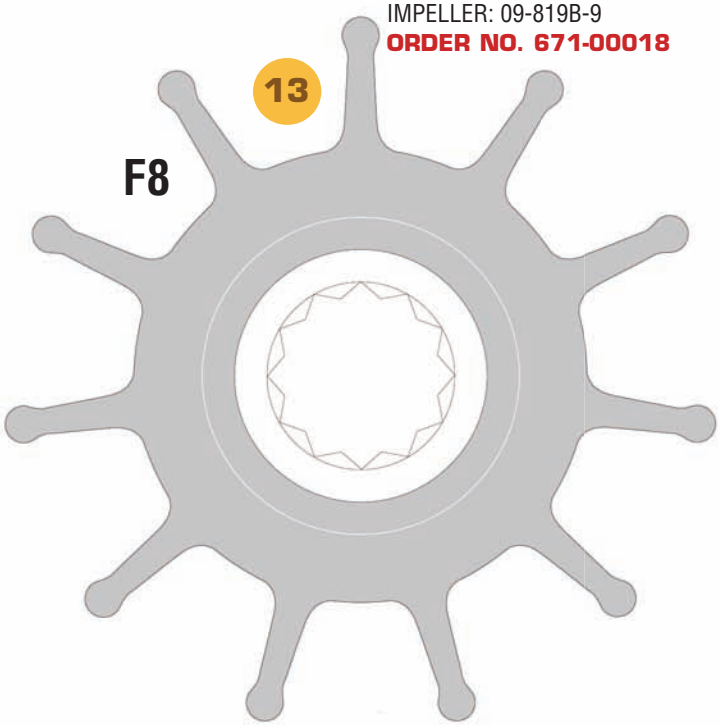
IMPELLER: 09-802B (F9)
ORDER NO. 671-00019

IMPELLER IDENTIFICATION GUIDE - Impellers shown are actual size. **See Page 927 for Conversion**

IMPELLER: 09-819B-00
ORDER NO. 671-00017
IMPELLER: 09-819B-9
ORDER NO. 671-00018

13

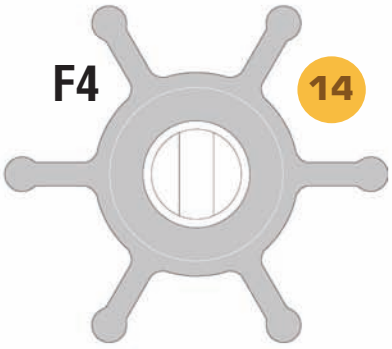
F8



IMPELLER: 09-810B-1
ORDER NO. 671-00013
IMPELLER: 09-810B-9
ORDER NO. 671-00014

F4

14



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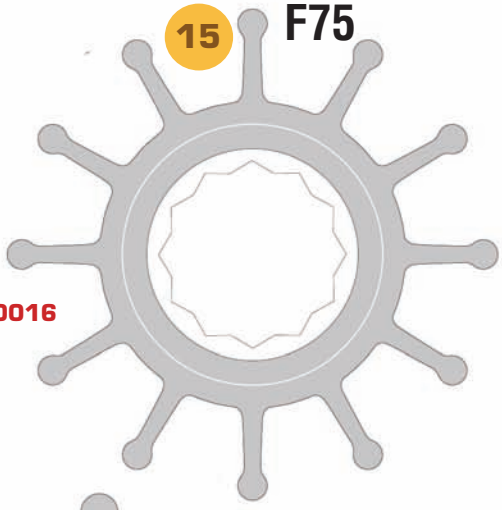
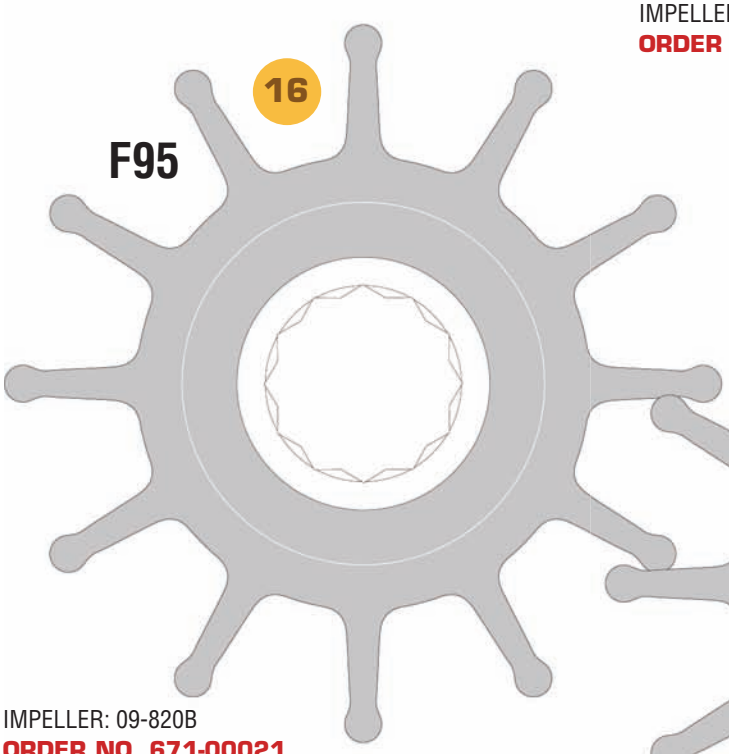
F75



IMPELLER: 09-821BT-1
ORDER NO. 671-00016

16

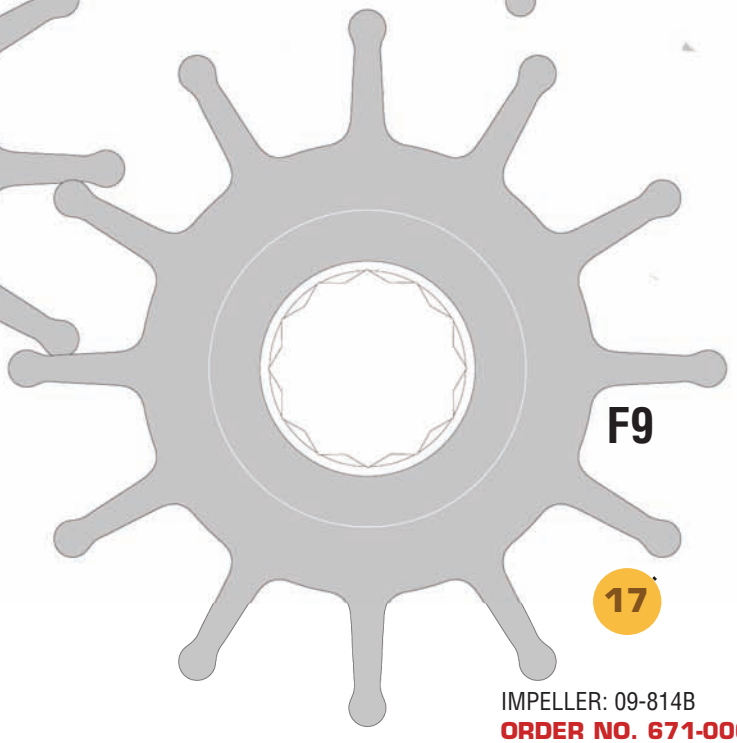
F95



IMPELLER: 09-820B
ORDER NO. 671-00021

F9

17



IMPELLER: 09-814B
ORDER NO. 671-00020

IMPELLER REPLACEMENT - SELECTION TABLE BY DIMENSIONS

Ref. No.	Pump	ORDER NO.	MFR.#	MATERIAL	IMPELLER DIAMETER	IMPELLER DEPTH	INNER DIAMETER	NO. OF BLADES
5	F2	671-00008	09-1077B-9	NITRILE	1.29" (35.2mm)	.50" (12.7mm)	.31" (8mm)/Flat	6
6	TA3P10	671-00007	09-1052S-9	NITRILE	1.78" (45.2mm)	.50" (12.8mm)	.31" (8mm)/Flat	6
7	F35	671-00012	09-806B-1	MC97	1.58"(40mm)	.75"(19mm)	.37"(9.5mm)	6
8		671-00001	09-808B-1	MC97	1.58"(40mm)	.75"(19mm)	.47"(12mm)	6
14	F4	671-00013	09-810B-1	MC97	2"(50.8mm)	.87"(22mm)	.472"(12mm)	6
14		671-00014	09-810B-9	NITRILE	2"(50.8mm)	.87"(22mm)	.472"(12mm)	6
3		671-00002	09-1026B-1	MC97	2"(50.8mm)	.87"(22mm)	.50"(12.7mm)	6
3		671-00009	09-1026B-9	NITRILE	2"(50.8mm)	.87"(22mm)	.50"(12.7mm)	6
9		671-00022	09-824P-9	NITRILE	2"(50.8mm)	.87"(22mm)	.31" (8mm)/Flat	6
9	Ballast	671-09824P-2	09-824P-2	POLYURETHANE	2"(50.8mm)	.87"(22mm)	.31" (8mm)/Flat	6
9	Ballast	671-09849P-2	09-849P-2	POLYURETHANE	2"(50.8mm)	.87"(22mm)	.31" (8mm)/Flat	6
4	F5	671-00006	09-801B	NEOPRENE	2.25"(57.1mm)	1.24"(31.5mm)	.63"(15.9mm)/Key	12
2		671-00003	09-1027B-1	NEOPRENE	2.25"(57.1mm)	1.24"(31.5mm)	Splines	12
2		671-00029	09-1027B-10	MC97	2.25"(57.1mm)	1.24"(31.5mm)	Splines	12
10	F6	671-00004	09-812B-1	MC97	2.25"(57.1mm)	1.90"(48.2mm)	Splines	12
11	F7	671-00005	09-1028BT-1	MC97	2.56"(65mm)	1.98"(50.2mm)	Splines	8
		671-00011	09-1028B-9	NITRILE	2.56"(65mm)	1.98"(50.2mm)	Splines	8
15	F75	671-00016	09-821BT-1	MC97	2.56"(65mm)	3.15"(80mm)	Splines	12
13	F8	671-00017	09-819B-00	NEOPRENE	3.74"(95mm)	2.48"(63mm)	Splines	11
		671-00018	09-819B-9	NITRILE	3.74"(95mm)	2.48"(63mm)	Splines	11
12	F9	671-00019	09-802B	NEOPRENE	3.74"(95mm)	3.48"(88.5mm)	Splines	9
17		671-00020	09-814B	NEOPRENE	3.74"(95mm)	3.48"(88.5mm)	Splines	12
16	F95	671-00021	09-820B	NEOPRENE	3.74"(95mm)	5.12"(130mm)	Splines	12

MC97 & Neoprene for cooling, Nitrile - Oil resistant

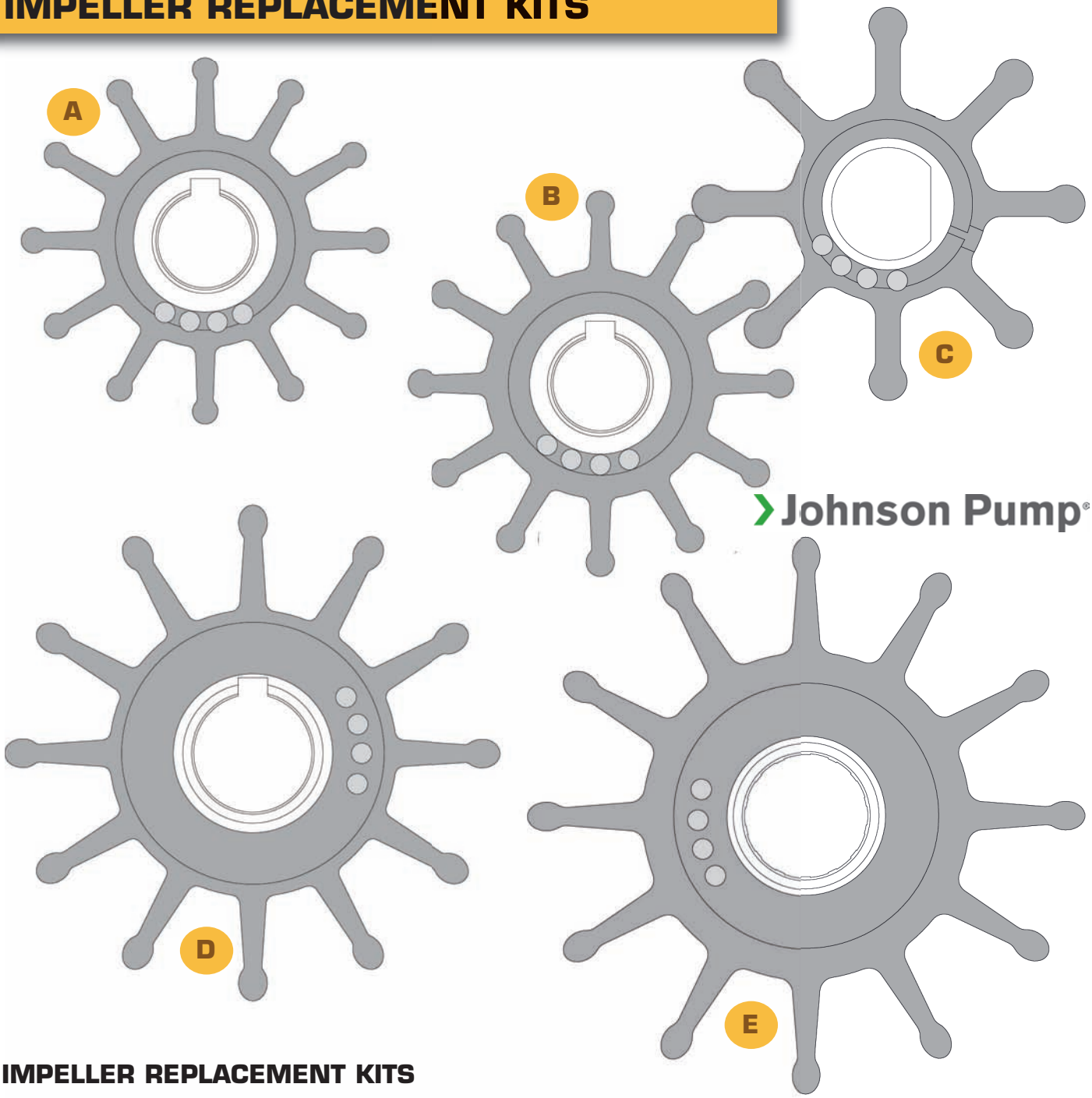
CHANGE TO A NEW IMPELLER EVERY YEAR. IT'S JUST AS IMPORTANT AS CHANGING OIL AND FUEL FILTER. THE IMPELLERS ARE ILLUSTRATED IN FULL SCALE WHICH MEANS THAT YOU CAN IDENTIFY YOUR IMPELLER WITHOUT KNOWING THE PART NUMBER.

PRODUCT & COMPATIBILITY CHART

Impeller No.	Pump Size	Engines Used On
09-801B	F5B	Volvo/Ducati/VASAMotor
09-802B	F9B	MAN
09-804B-9	F5B-12/24V	DC Motor-Self-Priming Pumps
09-806B	F35B	FrederickstadMotor/Hypromarine/ Mandalsmotorfabrik/Nanni/Ruggerini/Volvo
09-808B	F35B	Ardna/BMW/BUKH/Mitsubishi/Ducati/ Faryman/Flamme/Grasehi/Petter/Mandals/ JG Meaks/VW/Nanni/Onan/Ruggerini/ Stamegna Snc/Variant/Volvo/Watermota/ Westerbeke
09-810B	F4B	BMW/Ford/Mitsubishi/Faryman/Nanni/ Westerbeke
09-812B	F6B-9 V8's	Alaska/Flagship/Hardin/Indmar/Marine Power
09-814B	F9B	Mercedes/SAAB
09-1026B	F4B 3&4 Cyl.	BUKH/Dolphin Marine/ISUZU/Volvo
09-1027B	F5B	Fiat/Barnes Brinkcraft/BMW/Leyland/ BUKH/C-Power/Dolphin Marine/Mercedes/ FNM/Ford/Marine Power/Kubota/Nanni/ Pathfinder/Perkins/SAAB/Lehman/Mitsubishi/ VM/Volvo
09-1028B	F7B	Fiat/Bayliner/BMW/Ford/C-Power/DAF/ Mercedes/Mitsubishi/SAAB/SABRE/Peugeot/ Sole Diesel/Leyland/Valmet Oy/VW/Volvo
09-1029B	F8B	DAF/Mitsubishi/SAAB/Mercedes/ Valmet Oy/VM/Volvo
09-1052S-9	F3B-1907	DC Motor-Self-Priming Pumps
09-1064-9	F3P-10	Mini Pump
09-1077B-9	F2P-10	DC Motor-Self-Priming Pumps

For more information see: www.spxflow.com/johnson-pump-marine

IMPELLER REPLACEMENT KITS



IMPELLER REPLACEMENT KITS

Ref.	ORDER NO.	JOHNSON PUMP Impeller No.	Material	Sherwood No.	Mercruiser No.	Jabsco No.
A	671-00024	09-701B-1	MC97	9959K		18838-0001-P
B	671-00025	09-702B-1	MC97	10615K		18948-0001-P
C	671-00026-1	09-703P-1	MC97		47-59362T	17954-0001-P
D	671-00027	09-704BT-1	MC97	17000K		18958-0001-P

MC97 & Neoprene - for cooling.
Nitrile - oil resistant

IMPELLERS

- Always use Johnson Pump impellers
- Nitrile, oil resistant, diesel and oil only, not gasoline or any light petrochemicals/fuels due to combustion
- Gasoline is never pumped with ANY of our pumps
- Neoprene, for cooling. Do not use with Diesel or oil due to swelling issues
- MC97, for ultra ballast this helps with flexing and reverse.....all around good impeller for cooling purposes, water applications

For more information see: www.spxflow.com/johnson-pump-marine

Johnson Pump®

IMPELLERS

The impeller is the heart of the flexible impeller pump design. Specially formulated rubber compounds have been developed to ensure long impeller life as each blade is bending 1750 times a minute or more. Johnson Pump molds all impellers in their own molding facility to maintain high quality standards. That's why so many engine manufacturers choose Johnson as standard OEM equipment. While Johnson has impellers available to fit its OEM pumps, many Johnson Pump impellers interchange with Jabsco impellers.

JOHNSON PUMP SPARE IMPELLERS
Interchangeable with Jabsco

CC ORDER NO. JABSCO IMPELLER	Material	Johnson Pump Impeller No.	Johnson Pump Model No.	Material	CC ORDER NO. JOHNSON PUMP IMPELLER
00653-0001-P	Neoprene	09-810B-1	F4	MC97	671-00013
01210-0001-P	Neoprene	09-1027B-1	F5	MC97	671-00003
01210-0003-P	Nitrile	09-1027B-9-00			N/A
04528-0001-P	Neoprene	09-806B-1	F35	MC97	671-00012
04568-0001-P	Neoprene	09-801B	F5	Neoprene	671-00006
06303-0007-P	Neoprene	09-824P-2	F4	Polyurethane	671-09824P-2
06303-0003-P	Nitrile	09-824P-9	F4	Nitrile	671-00022
06760-0001-P	Neoprene	09-802B	F9	Neoprene	671-00019
13554-0001-P	Neoprene	09-812B-1	F6	MC97	671-00004
17935-0001-P	Neoprene	09-819B-00	F8	Neoprene	671-00017
17935-0003-P	Nitrile	09-819B-9	F8	Nitrile	671-00018
17936-0001-P	Neoprene	09-814B	F9	Neoprene	671-00020
17937-0001-P	Neoprene	09-1028BT-1	F7	MC97	671-00005
17937-0003-P	Nitrile	09-1028B-9	F7	Nitrile	671-00011
18673-0001-P	Neoprene	09-1026B-1	F4	MC97	671-00002
18673-0003-P	Nitrile	09-1026B-9	F4	Nitrile	671-00009
22405-0001-P	Neoprene	09-808B-1	F35	MC97	671-00001
N/A		09-1027B-10	F5	MC97	671-00029
N/A		09-810B-9	F4	MC97	671-00014
N/A		09-1077B-9	F2	Nitrile	671-00008
N/A		09-1052S-9	TA3P10	Nitrile	671-00007
N/A		09-821BT-1	F75	MC97	671-00016
N/A		09-820B	F95	Neoprene	671-00021

SPECIAL ORDER ITEM

IMPELLERS

- Always use Johnson Pump impellers
- Nitrile, oil resistant, diesel and oil only, not gasoline or any light petrochemicals/fuels due to combustion
- Gasoline is never pumped with ANY of our pumps
- Neoprene, for cooling. Do not use with Diesel or oil due to swelling issues
- MC97, for ultra ballast this helps with flexing and reverse.....all around good impeller for cooling purposes, water applications

Always sell an impeller with a new pump. It's like a spare tire.

For more information see: www.spxflow.com/johnson-pump-marine

IMPELLER LUBRICANT COUNTER DISPLAY

GIVE YOUR IMPELLER A GOOD LIFE

Lubricate with Johnson Pump impeller lubricant, optimize the priming ability at first start or after seasonal storage.

ORDER NO. 671-47086
Mfr. No. 09-47086
Display contains: (150 lubricant packages)

CRANKSHAFT PUMPS

ENGINE COOLING PUMP MODEL # F5B-9

Crankshaft mounted bronze pump.
OEM replacement, see chart below.

ENG. MFR.	TYPE
Flagship	GM 350
Indmar	Ford & GM 4
Marine Exhaust	4 cyl. Deere
Marine Power	GM 350
Panther Marine	GM 350
Volvo Penta	230/SP/spmt, 250/SP, 251/SP/DOHC, 431/SP/DP, 500/SP/DP, 501/SP/DP, 570/SP/DP, 571/SP/DP, AQ200, AQ225, AQ250, AQ290
York Power	4 cyl. Deere

ORDER NO.	Mfr. No.	Description
102-42281	10-24228-1	F5B-9 Pump
	REPLACEMENT PARTS	
671-10003	09-45808	Service Kit
671-00003 +	09-1027B-1	Impeller
671-20002 +	0.2233.001	Lip Seal
671-30003 +	01-45315	Gasket
671-40003	0.3431.742	Bearing
671-04550 +	0.0141.502	End Cover Screw

+ Items contained in Service Kit

ENGINE COOLING IMPELLER PUMP /EXTRA FLOW MODEL #F6B-9

NEW!

Crankshaft style cooling pump.
Indmar, Marine Power, PCM, Volvo
Fits: 305/350/454 CID 5.0/5.7/7.4 Litre V8 Engines
- Inlet: 1-1/4" - Outlet: 1-1/4"
- Note: New bearing clip added

ORDER NO. 102-494601
Mfr. No. 10-24946-01
Replaces: 102-493001

ORDER NO.	Mfr. No.	Description
102-494601	10-24946-01	F6B-9 Pump
	REPLACEMENT PARTS	
671-10004	09-45825	Service Kit
671-00004	09-812B-1	Impeller
	01-45670	Cam
671-04174	0.0279.033	Camscrew
671-20002	0.2233.001	Seal
671-30003	01-45315	Gasket
	01-45312-1	Endcover
671-04550	0.0141.502	Endcover Screw
		Wearplate
	01-45681	Shaft
671-40003	0.3431.742	Bearing
		Bearing Seal
		Rebuild Kit

Johnson Pump®

FLANGE PUMPS

ENGINE COOLING PUMP MODEL # F4B-9

Flange mounted bronze pump. OEM replacement, see chart below.

ENG. MFR.	TYPE
Volvo Penta	MD17C/D, AQ115/A, AQ130 A/B/C/D, MD3B, AQ110/115, AQ120/B, AQ125A/B, AQ140, AQ60F, AQ95/A, BB100, BB115B/C, BB30, MB16A, MB18-MB18F, MB20A/B/C, MD20B

ORDER NO.	Mfr. No.	Description
103-50982	10-35098-2	F4B-9 Pump
	REPLACEMENT PARTS	
671-10011	09-45905	Service Kit
671-00002 +	09-1026B-1	Impeller
671-20001 +	0.2233.010	Lip Seal
671-30002 +	01-45284	Gasket
671-40002	0.3431.441	Bearing
671-45235	01-45235	Shaft

+ Items contained in Service Kit

ENGINE COOLING MALIBU PUMP MODEL #F6B-9

NEW!

For Malibu M5 & M6 Engine Applications

- Serviceable & replaceable MC97 rubber impeller (09-812B-1
- Direct replacement for prior OEM Sherwood G1500 Series pumps (Malibu #E100090)
- Self priming, longer impeller life & better bonding to hub to eliminate slip

ORDER NO. 101-361402
Mfr. No. 10-13614-02

For more information see: www.spxflow.com/johnson-pump-marine

Johnson Pump®

FLANGE PUMPS

ENGINE COOLING PUMP
Model No. F5B-9
Flange mounted bronze pump.
OEM replacement, see chart below.

Engine Manufacturer	Type
Volvo Penta **	AQ131A/B/C/D, AQ140A, AQ145, AQ145A/B, AQ151A/B/C, AQ165A, AQ170B/C, AQ250A, AQ251A
Volvo Penta *	BB21

ORDER NO.	Mfr. No.	Description
103-26212 *	10-32621-2	F5B-9 Pump / Full Cam
103-26213 **	10-32621-3	F5B-902 Pump / Reduced Cam
REPLACEMENT PARTS		
671-10006	09-45913	Service Kit
671-00006 +	09-801B	Impeller
671-20002 +	0.2233.001	Lip Seal
671-45023	01-45023	Bushing
671-45022	01-45022	Shaft
671-04490 +	0.0141.901	End Cover Screw

*+ Items contained in Seal Kit. * Full Cam / ** Reduced Cam - 40-50 lower capacity*

ENGINE COOLING PUMP
Model No. F35B-9
Flange mounted bronze pump.
OEM replacement, see chart below.

Engine Manufacturer	Type
Volvo Penta	MD1, MD2, MD2B, MD2BHY, MD1KHD/HY, MD1B, MD1/11, MD5A, MD1A, MD10A, MD5B/C, MD6A/B, MD7A/B

ORDER NO.	Mfr. No.	Description
103-51573	10-35157-3	F35B-9 Pump
REPLACEMENT PARTS		
671-10001	09-45589	Service Kit
671-00001 +	09-808B-1	Impeller
671-20001 +	0.2233.010	Lip Seal
671-30001 +	01-43240	Gasket
671-40002	0.3431.441	Bearing
671-45556	01-45556	Shaft

+ Items contained in Seal Kit.

OIL CHANGE F3B-19 PUMP FLEXIBLE IMPELLER PUMP KIT
All-in-One Complete Oil Change Package

- Easy, quick, no-hassle oil change package
- Reliable, well designed & proven F3B-19 flexible impeller pump technology
- For marine or industrial applications
- Serviceable & replaceable Nitrile impeller (09-843S-9)
- Greater flow for faster fill, transfer, & drain
- Flow reversing switch built into pump
- High temperature resistant dipstick tube
- Portable & convenient
- Heavy-duty alligator clips easily clamp directly onto battery
- Easy pour spout – No spill transfer of oil from bucket
- 12 Volt
- 1 Year warranty

Kit Includes:
Pail, Sealed Lid,
Pump Assembly, Dipstick Tube
Heavy Duty Alligator Clips,
Easy Pour Spout

ORDER NO.	Mfr. No.	Description
671-65300	65F3B	Oil Change Kit w/Pail

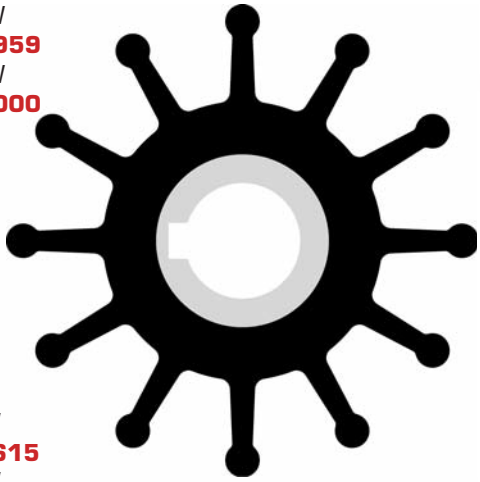
Johnson Pump®

For more information see:
www.spxflow.com/johnson-pump-marine

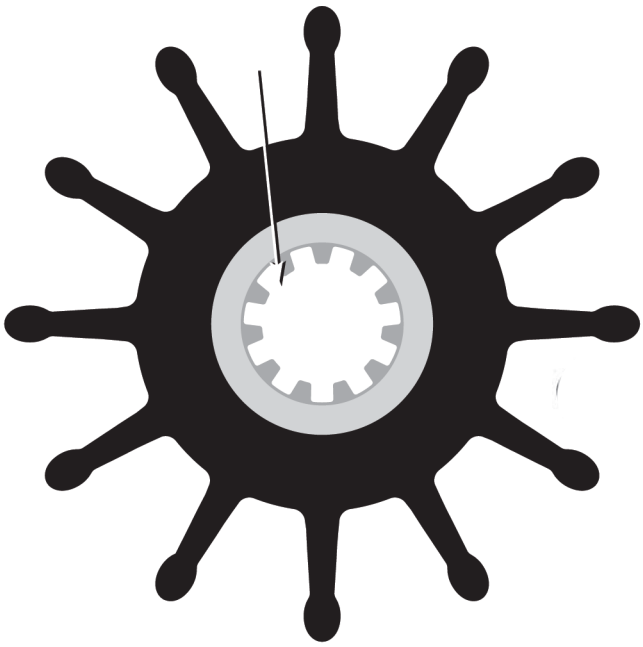
SHERWOOD

GENUINE SHERWOOD IMPELLERS - FOR IMPELLER SELECTION GUIDE SEE NEXT PAGE →

Mfr. No. 09959K-SHW
ORDER NO: 651-09959
Mfr. No. 09000K-SHW
ORDER NO: 651-09000

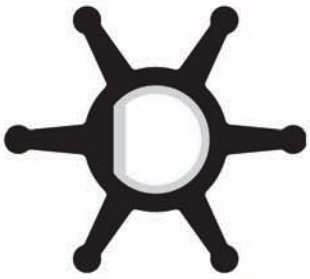


ORDER NO. 651-27000K
Mfr. No. 27000K-SHW

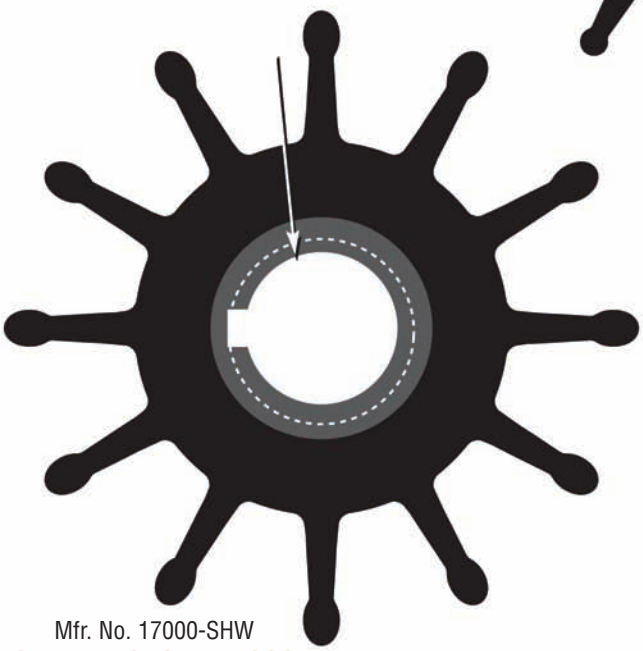


Mfr. No.10615K-SHW
ORDER NO: 651-10615
Mfr. No.15000K-SHW
ORDER NO: 651-15000

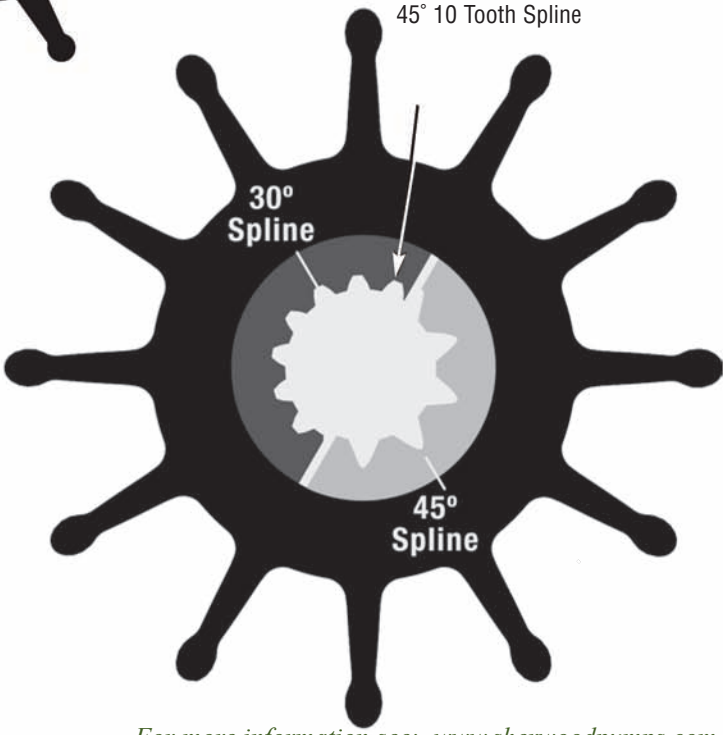
Mfr. No. 08000K-SHW
ORDER NO: 651-08000



Mfr. No. 18000K-SHW
ORDER NO: 651-18000
Mfr. No. 29000K-SHW
ORDER NO: 651-29000K
Note: 29000K-SHW Impeller has a 45˚ 10 Tooth Spline
Mfr. No. 26000K-SHW
ORDER NO: 651-26000K
Note: 26000K-SHW Impeller has a 45˚ 10 Tooth Spline



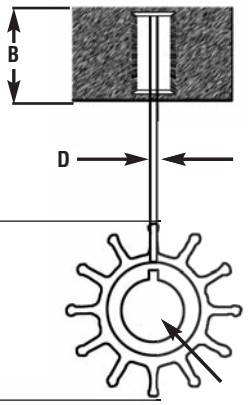
Mfr. No. 17000-SHW
ORDER NO: 651-17000
Threaded / Thru-Key insert



For more information see: www.sherwoodpumps.com

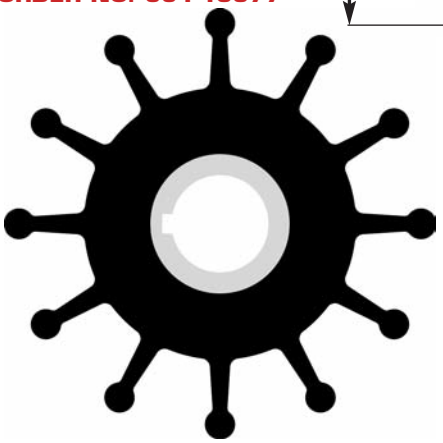
IMPELLER SELECTION GUIDE

ORDER NO. 651-15000
Mfr. No. 15000K-SHW
Dia **(A)** . . . . . .2-9/16" 65.0mm
Width **(B)** . . . . . .2" 51mm
Shaft **(C)** . . . . . .5/8"
Keyway **(D)** . . . . . .3/16"
No. of Vanes 12
Material . . . . . .Neoprene



To maintain engine performance, insist upon **GENUINE Sherwood Impellers**. Imitation leaves you dead in the water!

Mfr. No.10077K-SHW
ORDER NO: 651-10077



ORDER NO. 651-30000K
Mfr. No. 30000K-SHW

IMPELLER REMOVAL TOOLS

Threaded
ORDER NO: 651-25105 Mfr. No.25105-SHW
Used for: 17000A, 18000, 22000, 26000, 29000, 30000
ORDER NO: 651-25106 Mfr. No.25106-SHW
Used for: 27000

ORDER NO.	Mfr. No.	DIAMETER (A)	WIDTH (B)	SHAFT DIA. (C)	KEYWAY (D)	NO. OF VANES	Material
651-08000	08000K-SHW	1-9/16" 39.7mm	3/4" 19.0mm	7/16"	D-Slot	6	Neoprene
651-10077	10077K-SHW	2-1/4" 57.1mm	25/32" 19.8mm	1/2"	3/32"	12	Neoprene
651-09000	09000K-SHW	2-7/16" 61.9mm	7/8" 22.2mm	5/8"	3/16"	12	Neoprene
651-09959	09959K	2-7/16" 61.9mm	1-1/4" 31.7mm	5/8"	3/16"	12	Neoprene
651-10615	10615K	2-9/16" 65.0mm	1-5/8" 41.0mm	5/8"	3/16"	12	Neoprene
651-15000	15000K	2-9/16" 65.0mm	2" 51.0mm	5/8"	3/16"	12	Neoprene
651-17000	17000K	3-5/16" 84.0mm	2-7/8" 73.0mm	20mm	3/16"	12	Neoprene
651-18000	18000K	3-3/4" 95.0mm	4" 101.5mm	15/16"	Spline	12	Neoprene
651-26000K	26000K	3-3/4" 95.0mm	3-1/8" 80.0mm	11/12"	Spline	12	Neoprene
651-27000K	27000K	3-5/16" 84.0mm	2-7/8" 73.0mm	3/4"	Spline	12	Neoprene
651-29000K	29000K	3-3/4" 95mm	4" 102mm	15/16"	Spline	12	Neoprene
651-30000K	30000K	4-1/2" 114mm	4-5/16" 110mm	15/16"	Spline	10	Neoprene

To maintain engine performance, insist upon genuine Sherwood impellers. Keep it cool with the original!

K = Kit (Includes: Impeller, Gasket, and O-Ring) 18000K and 26000K do not include P.O.P. packaging
Neoprene™ Maximum Temperature: 130˚F

For more information see: www.sherwoodpumps.com

SHERWOOD

WESTERBEKE

ORDER No. 651-00030-1

MODEL # R30G-1

Engines: 6 Cyl. Diesel
Westerbeke: 24102
Inlet port: 1/2" NPT
Outlet port: 1/2" NPT

ORDER NO.	Mfr. No.	Description	Qty.
	24025	Major Repair Kit	
651-10077	10077K+	Impeller Kit	1
	00336	Plug	1
	00343	Lockwasher	8
	01311	Dowel pin	2
651-02075	02075+	Bushing (Graphite)	1
651-04303	04303+	Retaining Ring (Int)	1
651-04304	04304+	Retaining Ring (Ext)	3
651-04306	04306+	Ball Bearing	1
	05437	Screw (Machine)	2
651-10093	10093+	Woodruff Key	1
651-10195	10195	Cam Screw	1
651-10197	10197+	Gasket	1
	10279	Cover	1
	10285+	Cam	1
	10596	Body	1
651-11367	11367+	Seal & Seat Assy.	1
	13370	Key - Square	1
	18899	Screw (Hex Head)	6

+ Items contained in Service Kits

KOHLER

ORDER No. 651-00907

MODEL # G907P

Engines: Ford
Inlet port: 3/8" NPT, Outlet port: 3/8" NPT

ORDER NO.	Mfr. No.	Description	Qty.
651-09000	09000K	Impeller Kit	1
	00343	Lock Washer	4
651-04258	04258	Retaining Ring (Ext)	2
651-04259	04259	Retaining Ring (Int)	1
	04264	Flat Washer	1
651-10195	10195	Cam Screw	1
	10926	Seal Seat	1
	12211	Ball Bearing	2
	18576	Woodruff Key	1
	18035	Mechanical Seal	1
	18573	Cap Screw	2
	18574	Lock Washer	2
651-18663	18663	Cam	1
	19964	O-Ring	1
	21857	Flat Washer	1
	21859	Pully	1
	21862	Housing	1
	21916	Screw Socket HD Cap	4
	21974	Spacer	1
	24124	Shaft	1
	24125	Cover Plate	1
	24126	Lock Washer	1
	24127	Serrated Flange Nut	1

+ Items contained in Service Kits

PLEASURECRAFT

ORDER No. 651-10140

MODEL # P1014

Inlet port: 1-1/4"
Outlet port: 1-1/4"

ORDER NO.	Mfr. No.	Description	Qty.
	23976	Minor Repair Kit	
	25030	Major Repair Kit	
651-10615	10615K+, •	Impeller Kit	1
	23966	Cap Screw	4
	00343	Lock Washer	4
	21120+	Cover Plate	1
	24107	Housing	1
651-12231	12231+, •	O-Ring/Gasket	1
651-04432	04432+, •	Key	1
	19293	Shaft	1

ORDER NO.	Mfr. No.	Description	Qty.
651-10515	10515C+	Cam Screw Assy.	1
651-10944	10944+	Cam	1
	19295+	Wear Plate	1
651-04258	04258+, •	Retaining Ring	2
651-12859	12859+, •	Water Seal/Seat Assy.	1
	04264+,•	Washer	1
	97176	Hub	1
651-04259	04259+,•	Retaining Ring	1
	12211+	Bearing	2
	05133	Spacer	1

+ Items contained in Major Repair Kits • Items contained in Minor Repair Kits

RAW WATER STRAINERS

- Full Flow Filtering with Ultra Low Pressure Differential
- Easy In-Line Cleaning
- Durable Non-Corrosive Construction
- Quick Clean Bowl Examination
- Lightweight with Optional Mounting Bracket
- Stainless Steel Screens

ORDER NO.	PORT SIZE	SCREEN MESH	BRACKET NO.	SCREEN NO.	O-RING NO.	BOWL NO.
651-15935	1/2"	20 Mesh	N/A	651-11810	651-11805	651-14379
651-18001	3/4"	20 Mesh	651-14240	651-11810	651-11805	651-14379
651-18005	1"	20 Mesh	651-14239	651-11807	651-11803	651-14380
651-18016	1-1/4"	20 Mesh	651-14238	651-14214	651-11803	651-14380
651-18029	1-1/2"	20 Mesh	651-21930	651-16126	651-11803	651-14380

For more information see: www.sherwoodpumps.com

CHRIS CRAFT

ORDER NO. 651-00045-1

MODEL # G45-1

Engines: 454
Chris Craft #16.80-18347
Inlet port: 1-1/4"
Outlet port: 1-1/4"

ORDER NO.	Mfr. No.	Description	Qty
651-23976	23976	Minor Repair Kit	
651-23977	23977	Major Repair Kit	
	12328	Body	1
	12228	Housing	1
651-10615	10615K+, •	Impeller	1
651-12231	12231+, •	O-Ring	1
651-12856	12856+	Wear Plate	1
651-12855	12855+	Gasket	1
651-04432	04432+, •	Key	1
	12612	Shaft	1
651-04258	04258+, •	Retaining Ring (Ext)	3
651-04259	04259+	Retaining Ring (Int)	2
	12791	Pin	1
651-23448	23448+	Ball Bearing	2
651-10944	10944+	Cam	1
651-10515	10515C	Cam Screw	1
	12615	Hub	1
651-12859	12859+, •	Seal/ Seat Assy.	1
	12857	Screw	3
	12710	Lock Washer	3
	04264+, •	Washer	1
	05133	Spacer	1

+ Items contained in Major Repair Kits
• Items contained in Minor Repair Kits

ONAN

ORDER NO. 651-01010

MODEL # G1010

Inlet port: 1"
Outlet port: 1"
Replaces G1006 (CC No. 651-01006)

ORDER NO.	Mfr. No.	Description	Qty
	25073	Major Repair Kit	
	25065	Body	1
	25066	Housing	1
651-10615	10615K-SHW+	Impeller	1
651-12231	12231-SHW+	O-Ring	1
	19295+	Wear Plate	1
651-04432	04432-SHW+	Woodruff Key-Non-Rocking	1
	25068	Shaft	1
651-04258	04258-SHW+	Retaining Ring (Ext)	2
	25069+	Cover	1
	24930+	Slinger	1
	25071	Pulley/Gear	1
651-10929	10929-SHW+	Cam	1
651-19714	19714-SHW+	Cam Screw Assembly	1
	12211	Bearing Assembly	1
651-22117-1	22117S-SHW+	Seal/ Seat Assembly	1
	25067+	Lip Seal	1

+ Items contained in Major Repair Kits

VOLVO PENTA, OSCO MOTORS

ORDER NO. 651-00105

MODEL # P105

Inlet port: 1-1/4"
Outlet port: 1-1/4"

ORDER NO.	Mfr. No.	Description	Qty
	19354	Major Repair Kit	
	21120	Cover	1
	21378	Body	1
651-10615	10615K+	Impeller	1
651-12231	12231+	Gasket	1
651-04432	04432	Key	1
	19308+	Shaft	1
	05126+	Retaining Ring	1
	06837+	Retaining Ring	1
651-08490	08490+	Ball Bearing	2
651-10944	10944	Cam	1
651-10515	10515C	Cam Screw	1
651-18652	18652+	Seal/ Seat Assy.	1
	19275	Hub	1

+ Items contained in Major Repair Kits

SHERWOOD®

For more information see:
www.sherwoodpumps.com

VOLVO/OMC
ORDER NO. 651-09901
MODEL # G9901
(pulley dia. 6.5")
Engines: 6-8 Cyl.
Volvo/OMC# 3852398
Inlet port: 1-1/4"
Outlet port: 1"

ORDER NO.	Mfr. No.	Description	Qty.
651-12665	12665	Major Repair Kit	
651-09959	09959K+	Impeller Kit	1
651-04258	04258+	Retaining Ring (Ext)	3
651-04259	04259+	Retaining Ring (Int)	2
	04264+	Washer	1
651-04432	04432+	Woodruff Key	1
	05133	Spacer	1
651-10515	10515C+	Cam Screw Assy.	1
651-12855	12855+	Gasket	1
651-12856	12856+	End Plate	1
	12857	Cap Screw	3
651-12859	12859+	Seal & Seat Assy.	1
651-15883	15883+	Cam	1
	21757	Lock Washer	3
651-23448	23448+	Ball Bearing	2

+ Items contained in Service Kits

CHRIS CRAFT
ORDER NO. 651-00030-2
MODEL # G30-2B
Engine: 350
Chris Chraft # 16.80-18346
Inlet port: 1"
Outlet port: 1"

ORDER NO.	Mfr. No.	Description	Qty.
651-12665	12665	Major Repair Kit	
651-09959	09959K+	Impeller Kit	1
651-04258	04258+	Retaining Ring (Ext)	3
651-04259	04259+	Retaining Ring (Int)	2
	04264+	Washer	1
651-04432	04432+	Woodruff Key	1
	05133	Spacer	1
651-10515	10515C+	Cam Screw Assy.	1
	12710	Lock Washer	3
	12791	Pin - SS	1
651-12855	12855+	Gasket	1
651-12856	12856+	End Plate	1
	12857	Cap Screw	3
651-12859	12859+	Seal & Seat Assy.	1
651-15883	15883+	Cam	1
651-23448	23448+	Ball Bearing	2

+ Items contained in Service Kits

ONAN
ORDER NO. 651-00075
MODEL # K75B
Engines: 4 Cyl. Diesel
Inlet port: 1"
Outlet port: 1"

ORDER NO.	Mfr. No.	Description	Qty.
651-12665	12665	Major Repair Kit	
651-09959	09959K+	Impeller Kit	1
651-04258	04258+	Retaining Ring (Ext)	3
651-04259	04259+	Retaining Ring (Int)	2
	04264+	Washer	1
651-04432	04432+	Woodruff Key	1
	05133	Spacer	1
651-10515	10515C+	Cam Screw Assy.	1
	12710	Lock Washer	3
651-12855	12855+	Gasket	1
651-12856	12856+	End Plate	1
651-12859	12859+	Seal & Seat Assy.	1
	13794	Cap Screw	3
	13795	Hub	1
651-15883	15883+	Cam	1
651-23448	23448+	Ball Bearing	2

+ Items contained in Service Kits

CHRYSLER
ORDER NO. 651-00007
MODEL # G7B
Engines: 318 and 360
Chrysler # 4142878
Inlet port: 1-1/4"
Outlet port: 1-1/4"

ORDER NO.	Mfr. No.	Description	Qty.
651-23977	23977	Major Repair Kit	
651-10615	10615K+	Impeller Kit	1
651-04258	04258+	Retaining Ring (Ext)	3
651-04259	04259+	Retaining Ring (Int)	2
	04264+	Washer	1
651-04432	04432+	Woodruff Key	1
	05133	Spacer	1
651-10515	10515C+	Cam Screw Assy	1
651-10929	10929+	Cam	1
	12710	Lock Washer	3
651-12855	12855+	Gasket	1
651-12856	12856+	Ends Plate	1
	12857	Cap Screw	3
651-12859	12859+	Seat & Seal Assy	1
	12952	Housing	1
651-23448	23448+	Ball Bearing	2

+ Items contained in Service Kits

CRUSADER
ORDER NO. 651-00035
MODEL # E35
Engines: 220, 270, 300, and 350
Crusader # 97179
Inlet port: 1" NPT
Outlet port: 1" NPT

ORDER NO.	Mfr. No.	Description	Qty.
651-11068	11068	Major Repair Kit	
651-10615	10615K+	Impeller Kit	1
	00336	Plug	2
	01311	Dowel pin	2
651-04257	04257+	Ball Bearing	1
651-04258	04258+	Retaining Ring (Ext)	2
651-04259	04259+	Retaining Ring (Int)	1
651-04432	04432+	Woodruff Key	1
651-06333	06333+	Bushing (Graphite)	1
	10182	Cover	1
651-10927	10927+	Seal & Seat Assy.	1
651-10944	10944+	Cam	1
651-11744	11744	Shaft	1
	12710	Lock Washer	4
	17485	Screw	4
	97176	Hub	1

+ Items contained in Service Kits

PCM
ORDER NO. 651-00021
MODEL # G21
Engines: Ford 351 / 302
Pleasurecraft # RA057007
Inlet port: 1"
Outlet port: 1"

ORDER NO.	Mfr. No.	Description	Qty.
651-12665	12665	Major Repair Kit	
651-09959	09959K+	Impeller Kit	1
651-04258	04258+	Retaining Ring (Ext)	3
651-04259	04259+	Retaining Ring (Int)	2
	04264+	Washer	1
651-04432	04432+	Woodruff Key	1
	05133	Spacer	1
651-10515	10515C+	Cam Screw Assy.	1
	12303	Housing	1
	12710	Lock Washer	3
651-12855	12855+	Gasket	1
651-12856	12856+	End Plate	1
	12857	Cap Screw	3
651-12859	12859+	Seal & Seat Assy.	1
651-15883	15883+	Cam	1
651-23448	23448+	Ball Bearing	2

+ Items contained in Service Kits

VOLVO/OMC
ORDER NO. 651-09903
MODEL # G9903
(pulley dia. 4.5")
Engines: 4 Cyl.
Volvo / OMC # 3855079
Inlet port: 1-1/4"
Outlet port: 1"

ORDER NO.	Mfr. No.	Description	Qty.
651-12665	12665	Major Repair Kit	
651-09959	09959K+	Impeller Kit	1
651-04258	04258+	Retaining Ring (Ext)	3
651-04259	04259+	Retaining Ring (Int)	2
	04264+	Washer	1
651-04432	04432+	Woodruff Key	1
	05133	Spacer	1
651-10515	10515C+	Cam Screw Assy.	1
651-12855	12855+	Gasket	1
651-12856	12856+	End Plate	1
	12857	Cap Screw	3
651-12859	12859+	Seal & Seat Assy.	1
651-15883	15883+	Cam	1
	21151	Housing	1
	21757	Lock Washer	3
651-23448	23448+	Ball Bearing	2

+ Items contained in Service Kits

CC PART NO.	Mfr. No.	CC PART NO.	Mfr. No.	CC PART NO.	Mfr. No.
651-00035	E35	651-11744	11744-SHW	651-19667	19667-SHW
651-00021	G21	651-11803	11803-SHW	651-19674	19674-SHW
651-00030-2	G30-2B	651-11805	11805-SHW	651-19714	19714-SHW
651-00045-1	G45-1	651-11807	11807-SHW	651-21208	21208-SHW
651-00007	G7B	651-11810	11810-SHW	651-21570	21570-SHW
651-00907	G907P	651-11854	11854-SHW	651-21930	21930-SHW
651-09901	G9901	651-12231	12231-SHW	651-22117-1	22117S-SHW
651-09903	G9903	651-12444	12444-SHW	651-22767	22767-SHW
651-00075	K75B-01	651-12665	12665-SHW	651-22768	22768-SHW
651-00105	P105	651-12855	12855-SHW	651-22770	22770-SHW
651-00030-1	R30G-1	651-12856	12856-SHW	651-23448	23448-SHW
651-01010	G1010	651-12859	12859-SHW	651-23459	23459-SHW
651-02075	02075-SHW	651-14159	14159-SHW	651-23799-1	23799S-SHW
651-04257	04257-SHW	651-14161	14161-SHW	651-23972	23972-SHW
651-04258	04258-SHW	651-14238	14238-SHW	651-23973	23973-SHW
651-04259	04259-SHW	651-14239	14239-SHW	651-23976	23976-SHW
651-04303	04303-SHW	651-14240	14240-SHW	651-23977	23977-SHW
651-04304	04304-SHW	651-14379	14379-SHW	651-23979	23979-SHW
651-04306	04306-SHW	651-14380	14380-SHW	651-23980	23980-SHW
651-04432	04432-SHW	651-15000	15000K-SHW	651-24176	24176-SHW
651-06333	06333-SHW	651-15055	15055-SHW	651-25105	25105-SHW
651-08000	08000K-SHW	651-15883	15883-SHW	651-25106	25106-SHW
651-08490	08490-SHW	651-15935	15935-SHW	651-25268	25268-SHW
651-09000	09000K-SHW	651-15942	15942-SHW	651-25269	25269-SHW
651-09919	09919-SHW	651-15945	15945-SHW	651-26000K	26000K-SHW
651-09959	09959K-SHW	651-15951	15951-SHW	651-27000K	27000K-SHW
651-10072	10072-SHW	651-15952	15952-SHW	651-29000K	29000K-SHW
651-10077	10077K-SHW	651-15955-1	15955S-SHW	651-30000K	30000K-SHW
651-10093	10093-SHW	651-16126	16126-SHW		
651-10103	10103-SHW	651-17000	17000K-SHW		
651-10195	10195-SHW	651-18000	18000K-SHW		
651-10197	10197-SHW	651-18001	18001-SHW		
651-10286	10286-SHW	651-18005	18005-SHW		
651-10514	10514C-SHW	651-18016	18016-SHW		
651-10515	10515C-SHW	651-18029	18029-SHW		
651-10615	10615K-SHW	651-18271	18271-SHW		
651-10927	10927-SHW	651-18441	18441-SHW		
651-10929	10929-SHW	651-18570	18570-SHW		
651-10931	10931-SHW	651-18576	18576-SHW		
651-10944	10944-SHW	651-18652	18652-SHW		
651-11068	11068-SHW	651-18663	18663-SHW		
651-11360	11360-SHW	651-18742	18742-SHW		
651-11367	11367-SHW	651-18806	18806-SHW		
651-11389	11389-SHW	651-19620	19620-SHW		

PLUMBING & FITTINGS

- *Molded of high-strength engineered plastic • Cuts installation time & labour • All threads are standard tapered pipe*

732-87000

732-87300

732-87500

ORDER NO.	Mfr. No.	Description
FEMALE TO FEMALE ADAPTERS		
732-87000	8700	Adapter, 1/2" FPT x 1/2" FPT
732-87010	8701	Adapter, 1/2" FPT x 3/4" FPT
732-87050	8705	Adapter, 3/4" FPT x 3/4" FPT
732-87060	8706	Adapter, 3/4" FPT x 1" FPT
732-87100	8710	Adapter, 1" FPT x 1" FPT
732-87120	8712	Adapter, 1" FPT x 1-1/2"FPT
FEMALE TO MALE ADAPTERS		
732-87300	8730	Adapter, 1/2" FPT x 1/2" MPT
732-87310	8731	Adapter, 1/2" FPT x 3/4" MPT
732-87340	8734	Adapter, 1/2" FPT x 1-1/2" MPT
732-87350	8735	Adapter, 3/4" FPT x 1/2" MPT
732-87370	8737	Adapter, 3/4" FPT x 1" MPT
732-87490	8749	Adapter, 1-1/4" FPT x 1-1/2" MPT
FEMALE TO BARB ADAPTERS		
732-87500	8750	Adapter, 1/2" FPT x 5/8" Hose Barb
732-87510	8751	Adapter, 1/2" FPT x 3/4" Hose Barb
732-87580	8758	Adapter, 3/4" FPT x 5/8" Hose Barb
732-87600	8760	Adapter, 3/4" FPT x 3/4" Hose Barb
732-87610	8761	Adapter, 3/4" FPT x 1" Hose Barb
732-87620	8762	Adapter, 3/4" FPT x 1-1/8" Hose Barb
732-87660	8766	Adapter, 1" FPT x 3/4" Hose Barb
732-87700	8770	Adapter, 1" FPT x 1" Hose Barb
732-87720	8772	Adapter, 1" FPT x 1-1/4" Hose Barb
732-87730	8773	Adapter, 1" FPT x 1-1/2" Hose Barb
732-87760	8776	Adapter, 1-1/4" FPT x 1" Hose Barb
732-87820	8782	Adapter, 1-1/4" FPT x 1-1/2" Hose Barb

Note: Measurements reflect inner hose diameter

ORDER NO.	Mfr. No.	Description
BARB TO BARB ADAPTERS		
732-88000	8800	Adapter, 5/8" Barb x 5/8"Hose Barb
732-88050	8805	Adapter, 5/8" Barb x 3/4" Hose Barb
732-88100	8810	Adapter, 5/8" Barb x 1" Hose Barb
732-88300	8830	Adapter, 3/4" Barb x 3/4" Hose Barb
732-88350	8835	Adapter, 3/4" Barb x 1" Hose Barb
732-88400	8840	Adapter, 3/4" Barb x 1-1/8" Hose Barb
732-88450	8845	Adapter, 3/4" Barb x 1-1/4" Hose Barb
732-88500	8850	Adapter, 3/4" Barb x 1-1/2" Hose Barb
732-88550	8855	Adapter, 1" Barb x 1" Hose Barb
732-88600	8860	Adapter, 1" Barb x 1-1/8" Hose Barb
732-88650	8865	Adapter, 1" Barb x 1-1/4" Hose Barb
732-88700	8870	Adapter, 1" Barb x 1-1/2" Hose Barb
732-88750	8875	Adapter, 1-1/8" Barb x 1-1/8" Hose Barb
732-88800	8880	Adapter, 1-1/8" Barb x 1-1/4" Hose Barb
732-88850	8885	Adapter, 1-1/8" Barb x 1-1/2" Hose Barb
732-88900	8890	Adapter, 1-1/4" Barb x 1-1/4" Hose Barb
732-88950	8895	Adapter, 1-1/4" Barb x 1-1/2" Hose Barb
732-88990	8899	Adapter, 1-1/2" Barb x 1-1/2" Hose Barb

732-88000

732-89900

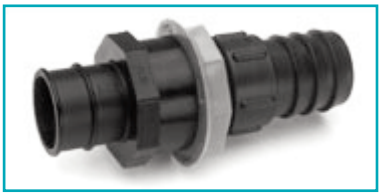
732-89000

ORDER NO.	Mfr. No.	Description
MALE PIPE THREAD TO BARB ADAPTERS		
732-89000	8900	Adapter, 1/2" MPT to 5/8" Barb Adapter
732-89010	8901	Adapter, 1/2" MPT to 3/4" Barb Adapter
732-89100	8910	Adapter, 3/4" MPT to 5/8" Barb Adapter
732-89130	8913	Adapter, 3/4" MPT to 1-1/8" Barb Adapter
732-89220	8922	Adapter, 1" MPT to 1" Barb Adapter
732-89230	8923	Adapter, 1" MPT to 1-1/8" Barb Adapter
732-89240	8924	Adapter, 1" MPT to 1-1/4" Barb Adapter
732-89250	8925	Adapter, 1" MPT to 1-1/2" Barb Adapter
732-89330	8933	Adapter, 1-1/4" MPT to 1-1/8" Barb Adapter
732-89350	8935	Adapter, 1-1/4" MPT to 1-1/2" Barb Adapter
732-89410	8941	Adapter, 1-1/2" MPT to 3/4" Barb Adapter
732-89420	8942	Adapter, 1-1/2" MPT to 1" Barb Adapter
732-89430	8943	Adapter, 1-1/2" MPT to 1-1/8" Barb Adapter
732-89440	8944	Adapter, 1-1/2" MPT to 1-1/4" Barb Adapter
732-89450	8945	Adapter, 1-1/2" MPT to 1-1/2" Barb Adapter
MALE PIPE THREAD TO MPT ADAPTERS		
732-89900	8990	Adapter, 1-1/4" MPT to 1-1/4" MPT Adapter
732-89950	8995	Adapter, 1-1/2" MPT to 1-1/2" MPT Adapter

MarineEast

BULKHEAD CONNECTORS

- *Ideal for hose, cable or wires*
- *Molded of high-strength engineering plastic for long term durability*
- *Designed to reduced hose and cable chafing*



732-79000

ORDER NO.	Mfr. No.	Description
732-79000	7900	Bulkhead Connector, 1-1/2", Black, Long
732-79100	7910	Bulkhead Connector, 1-1/2", Black, Short
732-79800	7980	Bulkhead Connector, 3/4", Black
732-79900	7990	Bulkhead Connector, 5/8", Black

HOSE BARBS

- *Provide tight fit without electrical bonding*
- *Fits marine sanitation hose • Molded of high-impact nylon*
- *Threads have been precision molded fo proper fit*
- *Resists electrolysis*

732-80010

ORDER NO.	Mfr. No.	Description
732-80010	8001	Hose Barb, 5/8" Hose, 1/2" MPT
732-80020	8002	Hose Barb, 3/4" Hose, 3/4" MPT
732-80030	8003	Hose Barb, 1" Hose, 1" MPT
732-80050	8005	Hose Barb, 1-1/2" Hose, 1-1/2" MPT
732-80100	8010	Hose Barb, 5/8"Hose, 3/4"FPT

100˚ ANGLED ELBOWS MAXXFLOW™ DRAINS

- *100º Angled elbow allows complete drainage & eliminates chances of clogging*
- *Low profile design maximizes uses*
- *Fits marine sanitation hose*
- *Molded of rugged nylon for strength & durability*

732-80320

ORDER NO.	Mfr. No.	Description
732-80320	8032	Elbow, 100º, 1" Hose I.D. x 1"MPT, Short Thread, Male-Barb
732-80340	8034	Elbow, 100º, 1" Hose I.D. x 1" Hose, Barb-Barb
732-80570	8057	Elbow, 100º, 1-1/2" Hose I.D. x 1-1/2"MPT, Short Thread, Male-Barb
732-80580	8058	Elbow, 100º, 1-1/2" Hose I.D., x 1-1/2"FPT, Female to Barb

ANGLED "T" FITTINGS & DRAINS

- *5º angle assures maximum drainage*
- *Fits marine sanitation hose*

732-80700

ORDER NO.	Mfr. No.	Description
732-80700	8070	Angled "T" Fitting, 1-1/2" Barbed
732-80800	8080	Angled "T" Fitting, 1-1/2" Barbed w/Threaded End

EXHAUST PORTS

- *Designed for engines with water cooled exhaust systems*
- *Optional flap for secure seal*
- *Molded in nylon*

732-81000

732-81040

732-81170

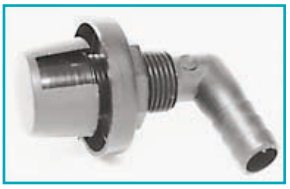
732-81180

ORDER NO.	Mfr. No.	Description
732-81000	8100	Exhaust Port, Housing only, 3", Black
732-81040	8104	Exhaust Port, Housing only, 4", Black
732-81170	8117	3 or 4" Flap only
732-81180	8118	3 or 4" Split Pin only

TANK VENTS & VENT GRILLS

- *Allows proper tank venting while preventing fuel contamination*
- *Fits standard 5/8" marine hose*
- *Built-in baffle prevents contamination*
- *Molded of non-corrosive nylon for long-time service and durability*

ORDER NO.	Mfr. No.	Description
732-30120	3012	Tank Vent, 100º Black



732-30120

MAXXFLOW™ SHOWER DRAINS

- *100º Angled Elbow lessens likelihood of clogging*
- *Flush head fits most standard showers*
- *Fits marine sanitation hose*
- *Flush head allows complete drainage*

ORDER NO.	Mfr. No.	Description
732-39990	3999	Shower Drain Elbow, Hose 3/4" w/screen
732-40490	4049	Shower Drain Elbow, 1" Hose w/short thread
732-40540	4054	Shower Drain Elbow, 1" Hose w/long thread
732-41150	4115	Shower Drain, Straight, 1-1/2" Hose

732-39990

GENERAL PURPOSE DRAINS

- *Low profile head affords excellent drainage*
- *Ideal for both scuppers & deck drains*
- *Fits marine sanitation hose*

ORDER NO.	Mfr. No.	Description
732-41110	4111	Scupper Drain, 1-1/2" Hose Long Thread w/ crosshairs

732-41110

MAXXFLOW™ ANGLED & STRAIGHT DRAINS

- *Flush head allows complete drainage*
- *Fits sanitation hose*
- *Assembly includes nut*
- *100º angled (elbow drains) drain considerably faster than 90º elbows*

ORDER NO.	Mfr. No.	Description
732-63220	6322W	Elbow Drain, 1-1/8" Hose, w/screen, White
732-67720	6772W	Straight Drain, 1-1/2" Hose ,w/screen, White

732-6322W

FIRE PORTS™

ENABLES CREW TO DETECT ENGINE FIRES QUICKLY & EXTINGUISH THEM SAFELY

- *Gives you the opportunity to eliminate, or at least control, the situation until help can arrive*
- *Allows you to visually inspect an engine compartment without opening it & adding oxygen to the fire*

ORDER NO.	Mfr. No.	Description
732-68000	6800	Fire Extinguisher Port, Engine Box, 2.7" dia. - I/O & Inboard
732-69900	6990	Fire Extinguisher Port, Clear w/Ring, 2.7" dia. & Sticker - I/O & Inboard

732-68000

AquaLock™

35 SERIES (LEAD FREE) PLASTIC FITTINGS

Plastic Fitting Tees

Tees

Order No.	Mfr.No.	Size & Connection
135-23080	3523-08	3/8" x 3/8" x 3/8" CTS
135-23100	3523-10	1/2" x 1/2" x 1/2" CTS
135-23140	3523-14	3/4" x 3/4" x 3/4" CTS

Reducing Tee

Order No.	Mfr.No.	Size & Connection
135-241410	3524R-141410	3/4" x 3/4" x 1/2" CTS

Stackable Tee

Order No.	Mfr.No.	Size & Connection
135-33100	3533-10	1/2" x 1/2" x 1/2" CTS

Plastic Fitting Elbows

Elbows

Order No.	Mfr.No.	Size & Connection
135-17080	3517-08	3/8" CTS
135-17100	3517-10	1/2" CTS
135-17140	3517-14	3/4" CTS

Stackable Elbows

Order No.	Mfr.No.	Size & Connection
135-18080	3518-08	3/8" CTS
135-18100	3518-10	1/2" CTS
135-18140	3518-14	3/4" CTS

Male Elbow

Order No.	Mfr.No.	Size & Connection
135-19108	3519-1008	1/2" CTS x 1/2" NPT

Female Swivel Elbows

Order No.	Mfr.No.	Size & Connection
135-200808	3520-0808	3/8" CTS x 1/2" NPS
135-201008	3520-1008	1/2" CTS x 1/2" NPS

Drop Ear Elbow

Order No.	Mfr.No.	Size & Connection
135-211008	3521-1008	1/2" CTS x 1/2" NPT

AquaLock™

35 SERIES (LEAD FREE) PLASTIC FITTINGS

Plastic Fitting Connectors

Couplings

Order No.	Mfr.No.	Size & Connection
135-15080	3515-08	3/8" CTS
135-15100	3515-10	1/2" CTS
135-15140	3515-14	3/4" CTS

Reducing Couplings

Order No.	Mfr.No.	Size & Connection
135-161004	3515R-1004	1/2" CTS x 1/4" OD
135-161008	3515R-1008	1/2" CTS x 3/8" CTS

Male Adapters

Order No.	Mfr.No.	Size & Connection
135-010808	3501-0808	3/8" CTS x 1/2" NPT
135-11008	3501-1008	1/2" CTS x 1/2" NPT
135-011012	3501-1012	1/2" CTS x 3/4" NPT
135-011412	3501-1412	3/4" CTS x 3/4" NPT

135-011014	3501-1014	1/2" CTS x 3/4" GHT

Female Swivel Adapters

Order No.	Mfr.No.	Size & Connection
135-100808	3510-0808	3/8" CTS x 1/2" NPS
135-101008	3510-1008	1/2" CTS x 1/2" NPS
135-101412	3510-1412	3/4" CTS x 3/4" NPS

Hose Barb Adapter

Order No.	Mfr.No.	Size & Connection
135-131008	3513-1008	1/2" CTS x 1/2" HB

Plastic Fitting Stems

Reducing Stems

Order No.	Mfr.No.	Size & Connection
135-141008	3514-1008	1/2" CTS x 3/8" CTS
135-141410	3514-1410	3/4" CTS x 1/2" CTS

Plastic Fitting End

End Cap

Order No.	Mfr.No.	Size & Connection
135-45100	3545-10	1/2" CTS

For more information see: www.watts.com/aqualock-marine

AquaLock™

35 SERIES (LEAD FREE) PLASTIC FITTINGS

Plastic Valves

Straight Valve

Order No.	Mfr.No.	Size & Connection
135-39100	3539-10	1/2" CTS

Stackable Valve

Order No.	Mfr.No.	Size & Connection
135-43104	3543-1004	1/2" CTS x 1/4" OD

Check Valve

Order No.	Mfr.No.	Size & Connection
135-40100	3540-10	1/2" CTS

Collet Clips

Order No.	Mfr.No.	Size & Connection
135-47080	3547-08	3/8" CTS
135-47100	3547-10	1/2" CTS
135-47140	3547-14	3/4" CTS

METRIC FITTINGS - 15 MM (LEAD FREE)

	Order No.	Mfr.No.	Size & Connection
Tee	112-31515	1123-1515	15 MM
StackableTee	103-31515	1133-1515	15 MM
Elbow	111-71515	1117-1515	15 MM
Stackable Elbow	111-81515	1118-1515	15 MM
Female Swivel Elbow	112-00815	1120-0815	15 MM x 1/2" NPS
Coupling	111-51515	1115-1515	15 MM
Reducing Coupling	111-61015	1116-1015	1/2" CTS x 15 MM
Male Adapter	240-20815	2402-0815	15 MM x 1/2" NPT
Female Swivel Adapter	111-00815	1110-0815	15 MM x 1/2" NPS
Hose Barb Adapter	241-30815	2413-0815	15 MM
End Cap	114-51500	1145-15	15 MM
Straight Valve	243-91515	2439-1515	15 MM
Collet Clip	114-71500	1147-15	15 MM

AquaLock™

NEW!

WATERPEX TUBING

Lead Free

A cross-linked polyethylene tubing used for potable water applications. WaterPEX is manufactured without an oxygen barrier.
Maximum Working Pressure:
160psi (11 bar) @ 73.4ºF (23ºC)
100psi (6.9 bar) @ 180ºF (80ºC)
80psi (5.5 bar) @ 200ºF (93ºC)

Features:

- Lead Free* cross-linked polyethylene tubing for use in potable water applications

ORDER NO.	Mfr. No.	Description
135-08100-B	WPTC08-100B	100 ft, 1/2" CTS, Blue
135-08100-R	WPTC08-100R	100 ft, 1/2" CTS Red
135-08100-W	WPTC08-100W	100 ft, 1/2" CTS White

METRIC TUBING

Tubing Performance Rating:
Operating Pressure: Vacuum to 160psi
Max Temperature: 180°F @ 100psi
72°F @ 160psi
Outside Diameter: 1/2"

ORDER NO.	Mfr. No.	Description
110-15501	001550B	50 ft, Blue
110-15502	001550R	50 ft, Red

TUBING ACCESSORIES

TUBE CUTTER
ORDER NO. 115-81522
Mfr. No. 1158-1522

REPLACEMENT BLADE
ORDER NO. 116-11522
Mfr. No. 1161-1522

ELBOW CLIP
1/2" CTS or 15MM
ORDER NO. 123-49150
Mfr. No. 2349-15

PIPE CLIP
1/2" CTS or 15MM , 2 per pack
ORDER NO. 123-70155
Mfr. No. 012370-1557

For more information see: www.watts.com/aqualock-marine

Whale®

QUICK CONNECT PIPEWORK FITTINGS & CONNECTIONS

15 MM EQUAL TEE
ORDER NO. 897-15020
Mfr. No. WX1502

15 MM EQUAL ELBOW
ORDER NO. 897-15030
Mfr. No. WX1503

SHUT-OFF VALVE
ORDER NO. 897-15740
Mfr. No. WX1574

CHECK VALVES
- Non-Return In-line

- Provide an easy way to maintain prime in a suction or discharge line
- Designed to fit in-line
- Suitable for use with manual or electric pumps

CHECK VALVE
Pipe Diameter: 25 mm (1"), 38 mm (1-1/2")
ORDER NO. 897-12150 Mfr. No. LV1215

CHECK VALVE
Pipe Diameter: 19 mm (3/4"), 25 mm (1")
ORDER NO. 897-12190 Mfr. No. LV1219

For more information see: www.whalepumps.com

JABSCO
a xylem brand

PLASTIC DC MOTOR PUMP UNITS

Jabsco plastic DC motor pump units offer an alternative to the bronze motor pump units with many of the same features.
They are also self-priming so they may be remotely mounted.
The larger Water Puppy size pump is equipped with 5/8'' hose barbed ports.

12560-0001

ORDER NO.	GPM* L/MIN**	VOLT DC	AMP DRAW	FUSE SIZE	SEAL	PORTS INT.	PORTS EXT.	IMPELLER***	DIMENSIONS Ins. (mm) HEIGHT	WIDTH	LENGTH
12560-0001	3.7 (14)	12	7	10A	Liptype	—	5/8"I.D.Hose	06303-0001-P	3-1/4"(83)	5"(127)	6-1/2"(165)

**GPM flow at 10 feet head.*
***L/min. at 3m head.*
****To order oil resistant impellers separately, use above impeller numbers with 0003 suffix instead of 0001 as listed.*

PLASTIC AC MOTOR PUMP UNITS

Jabsco plastic AC motor pump units offer the same versatility with most of the features of the Jabsco bronze motor pump units.
12310-Series has the combination 3/8" IPT and 3/4" garden hose port connections.

12310-Series

ORDER NO.	GPM* L/min**	VOLTAGE VAC	MOTOR HP	DUTY CYCLE	PORTS INT.	PORTS EXT.	IMPELLER***	DIMENSIONS Ins. (mm) HEIGHT	WIDTH	LENGTH
12290-0001	5.8 (22)	115	1/6	Continuous	—	5/8"O.D. Hose	07273-0001-P (N)	7-3/4"(169)	5-3/4"(147)	9-5/16"(237)
12310-0001	3.4 (12,8)	115	1/12	Intermittent	3/8" IPT	3/4" GHT	14750-0001 (N)	3-1/2"(89)	5"(127)	6-7/8"(174)
12310-0003	3.4 (12,8)	115	1/12	Intermittent	3/8" IPT	3/4" GHT	14750-0003-P (OR)			

**GPM flow at 10 feet head.*
***L/min. at 3m head.*
****To order oil resistant impellers separately, use above impeller numbers with 0003 suffix instead of 0001 as listed.*

For more information see; www.xylem.com

@ Have a Technical Question?

Contact our Technical Support Staff
email: techsupport@ccmarine.ca

rule
a xylem brand

IN-LINE SUBMERSIBLE 12 VOLT PUMPS
THE NEW "RULE" HIGH CAPACITY SLIMLINE PUMPS - MARINE/UTILITY

- Easy pump-out in tight bilge areas
- Water Transfer
- General wash-down
- Baitwell aeration
- Rapid diesel refueling and transfer
- Deck showers
- Dinghy pump-out
- Sink draining

Model iL500Plus

Model iL200K

Model iL500PK

ORDER NO.	Mfr. No.	Flow Rate	Amps	Liquid	Outlet Hose	Max Temp.
272-05003	iL500P	500 GPH	6 amp	Water/Diesel	3/4"	176° F
272-05004	iL500PK	500 GPH Kit	6 amp	Water/Diesel	3/4"	176° F
272-02803	iL280P	280 GPH	4.5 amp	Water/Diesel	1/2"	176° F
272-02804	iL280PK	280 GPH Kit	4.5 amp	Water/Diesel	1/2"	176° F
272-02001	iL200	200 GPH	2.80 amp	Water only	3/8" -1/2"	140° F
272-02003	iL200P	200 GPH	4.5 amp	Water/Diesel	1/2"	176° F
272-02002	iL200K	200 GPH Kit	2.8 amp	Water only	3/8" -1/2"	140° F

Centrifugal Pumping Power!
...for water and diesel applications

- 200 GPH to 500 GPH models available
  For continuous and intermittent duty
- Easy conversion for in-line pumping applications. Strainer removes for hose attachment to inlet nozzle
- Pumping up to 32 feet of head
  Up to 14 psi for washdown applications
- Kits include hose, battery clips and adjustable spray nozzle
- Fully submersible heavy duty construction
- 12 Volt DC

EVACUATOR 8000 - HIGH CAPACITY DEWATERING PUMP
12 VDC - 8000 GPH

The Evacuator 8000 represents the largest entrant in the upcoming Evacuator line of high efficiency portable utility pumps. Providing a sizeable 8000 GPH flow rate, the EV8000 represents the highest flow rate offering in the Evacuator product series. Designed as an alternative to gas or diesel powered portable pumps, the EV8000 excels in work environments requiring fast, efficient removal of large concentrations of standing or flooding water. Similar to the other Evacuator pumps, the EVA8000 benefits from the same innovative power connection which allows for direct operation from your vehicle's 12 volt battery, via two heavy duty battery clips.

Features Include:

- Impact resistant strainer protects against debris and jamming
- Integrated on/off switch in supplied 25 ft. cabling, providing operational convenience away from the power source
- Harsh environmental DC motor technology, proven in over 15 million operational units
- Direct operation from a 12 volt vehicle battery, providing flexibility in location and use
- Extended dry run time capability, preventing pump damage due to inconsistent water flow
- Thermal overload protection for each motor in the event of a debris jam
- Port Size Inlet/Outlet: 3"
- Amp Draw: 30 amps (approx.)
- Protection: Thermal Cut Off (TCO) for each motor
- Dimensions: (13.5"L x 12"W x 8.5"H)
- Weight: 1.1 lb.

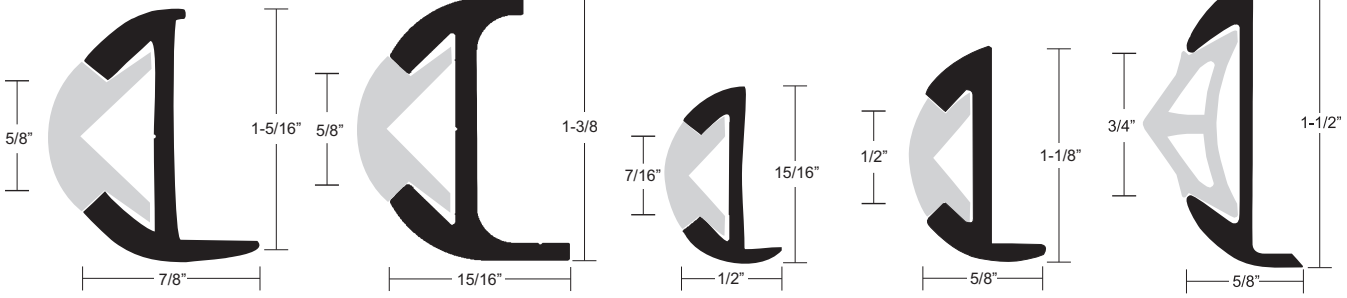
ORDER NO.	Mfr. No.
272-80000	EV8000-103

RUB RAIL

TACO MARINE

TACO understands the harsh marine conditions and impact that rub rail must endure to prevent hull damage. TACO Marine's Rub Rail has long been the choice of professional boat builders worldwide for its superior design and quality.
The TACO Rub Rail Selection Guide is now available online *(www.tacomarine.com)*, to match your boat with the correct rub rail. This guide provides a simple cross reference to the original equipment installed by most boat builders.

ALUMINUM RUB RAIL (ACCEPTS FLEXIBLE INSERT)

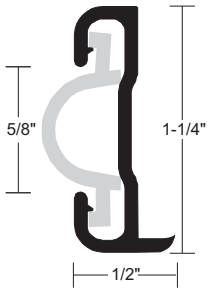


A12-0303 **A12-0305** **A11-0342** **A11-0347** **A11-0638**

- Classic look
- High-grade 6063 aluminum alloy and temper for easy tight radius bending
- Provides added strength and protection
- Anodized finish stands up to the harsh marine environment
- Drilled and countersunk on 6" centers

ORDER NO.	Code+	Mfr. No.	Length	Height	Width
305-120303-12	A	A12-0303BLY12D*	12'	1-5/16"	7/8"
305-120305-12	B	A12-0305BLY12D*	12'	1-3/8"	15/16"
305-110342-12	C	A11-0342BLY12D*	12'	15/16"	1/2"
305-110347-12	D	A11-0347BLY12D*	12'	1-1/8"	5/8"
305-110638-12	E	A11-0638TAL12D**	12'	1-1/2"	5/8"
110-31712	F	A11-0317TAL12D**	12'	1-1/4"	1/2"

**Brite Anodized Finish* ***Polished Clear Anodized*



A11-0317

INSERTS (FLEXIBLE VINYL)

V12-0303 **V12-0342** **V12-4155** **V12-0317** **V12-0338**

- Continuous coils provide seamless, one-piece installation
- Provides added protection
- Hides fasteners for clean, smooth look

ORDER NO.	Code+	Mfr. No.	Length	Height	Width	Insert Colour
305-120303-70	B	V12-0303BKA70-1	70'	1"	1/2"	Black
305-120304-70	A	V12-0303WHC70-1	70'	1"	1/2"	White
305-120342-50	C	V12-0342BKA50-1	50'	5/8"	5/16"	Black
305-124155-50	D	V12-4155BKA50-1	50'	3/4"	3/8"	Black
305-120338-70	E	V12-0338BKA70-1	70'	1"	1/2"	Black
120-03174	F	V12-0317WHA50-1	50'	15/16"	3/8"	White
120-03173	F	V12-0317BKA50-1	50'	15/16"	3/8"	Black

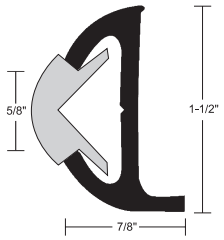
+To select correct insert for Rub Rail match codes indicated.

Affordable Drop Ship available from manufacturer

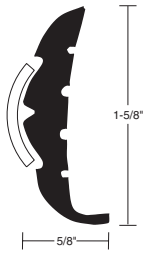
For more information see: www.tacomarine.com

RIGID VINYL
(Accepts Flexible Insert)

- Flexible insert covers fasteners and provides a soft, cushioning effect against normal bumps from pilings and docks
- Ideal for boats up to 30'



V21-9501



V21-9659

RUB RAIL					INSERTS				
ORDER NO.	Mfr. No.	Length	Height	Width	ORDER NO.	Mfr. No.	Length	Height	Width
305-219502-20	V21-9501WHC20D**	20'	1-1/2"	7/8"	305-120303-70	V12-0303BKA70-1*	70'	1"	1/2"
305-219502-20	V21-9501WHC20D**	20'	1-1/2"	7/8"	305-120304-70	V12-0303WHC70-1**	70'	1"	1/2"
305-219659-20B+	V21-9659BKA20D*	20'	1-5/8"	5/8"	305-114511-12	S11-4511P12***	12'	-	3/4"

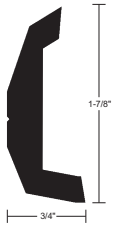
Black, **White, ***Hollow Back Stainless Steel* **+*Rigid Vinyl Rub Rail* Accepts Stainless Steel Insert

RIGID VINYL RUB RAIL

- Designed for use without an insert
- Provides good basic protection.
- Ideal for work boats

ORDER NO.	Mfr. No.	Length	Height	Width	Colour	Screw	End Cap
305-213670-20B	V21-3670BKA20D1♦	20'	1-7/8"	3/4"	Black	#10✖	F90-0001

♦*Boxed and coiled for UPS compliance* ✖ *Drilled & countersunk on 8" centers*



V21-213670

RIGID VINYL CANOE RAIL

Specially designed to include a built-in hand grip and fit a wide variety of canoes. Offers additional structural support.

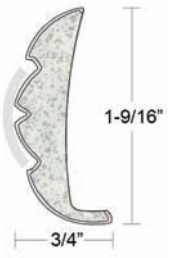
ORDER NO.	Mfr.No.	Colour	Length	Height	Width
305-219140	V21-9140BKA166	Black	16' 6"	1-1/4"	1-3/4"

V21-9140

RIGID VINYL FLEX-CORE RUB RAIL

Features and Benefits

- Lightweight
- Easy handling and installation
- Solid, rigid PVC cap stock exhibits traditional surface characteristics, appearance & impact properties
- Available in a continuous coil eliminating butt joints around gunwale
- Improved bending characteristics & ability to cold form
- Vacuum calibration tooling allows for tighter dimensional tolerance & sizing consistency
- High-density core offers improved shockabsorbent impact resistence
- Drilled and countersunk on 8" centers

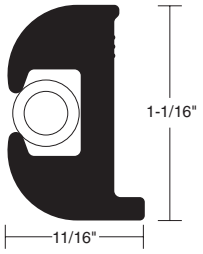


V21-9959

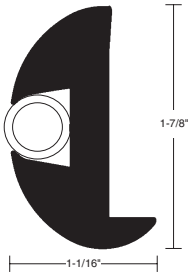
ORDER NO.	Mfr. No.	Length	Height	Width	Colour	Screw	Inserts
305-21995953	V21-9959WHC50D□	50'	1-9/16"	3/4"	Frosty White	#8	S11-4511
305-219906-W	V21-9906WHC60D□	60'	2"	29/32"	Frosty White	#8	S11-4511
305-219906-B	V21-9906BKA60D□	60'	2"	29/32"	Black	#8	S11-4511

RUB RAIL VINYL KITS - DO IT YOURSELF

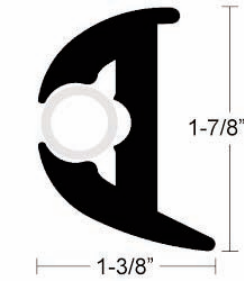
Our all-in-one, convenient Vinyl Rub Rail Kits have everything you need to replace your boat's Rub Rail. These affordable kits are designed to meet the functional and aesthetic requirements of most boats. Each kit comes with one continuous coil of seamless Flexible Rub Rail, an insert (when applicable), end caps, screws and an installation guide.



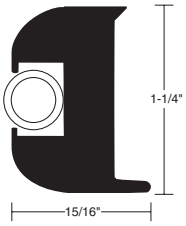
V11-0809



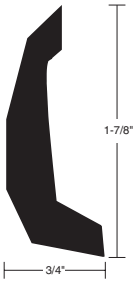
V11-2423



V11-3426



V11-3447



V11-4135

V11-9795

V11-9811

ORDER NO.	Mfr. No.	Type	Length	Height	Width	Rub Rail Colour	Insert Colour
FLEXIBLE VINYL RUB RAIL KITS							
305-110809-50	V11-0809BWK50-2	Flexible	50'	1-1/16"	11/16"	Black	Arctic White
305-110809-52	V11-0809BBK50-2	Flexible	50'	1-1/16"	11/16"	Black	Black
305-110809-70	V11-0809BBK70-2	Flexible	70'	1-1/16"	11/16"	Black	Black
305-112423-50	V11-2423BBK50-2	Flexible	50'	1-7/8"	1-1/16"	Black	Black
305-112423-70	V11-2423BBK70-2	Flexible	70'	1-7/8"	1-1/16"	Black	Black
305-113426-50	V11-3426BBK50-2	Flexible	50'	1-7/8"	1-3/8"	Black	Black
305-113426-70	V11-3426BBK70-2	Flexible	70'	1-7/8"	1-3/8"	Black	Black
305-113447-50	V11-3447BWK50-2	Flexible	50'	1-1/4"	15/16"	Black	Arctic White
305-113447-52	V11-3447BBK50-2	Flexible	50'	1-1/4"	15/16"	Black	Black
305-113447-53	V11-3447WWK50-2	Flexible	50'	1-1/4"	15/16"	Arctic White	Arctic White
305-113447-70	V11-3447BBK70-2	Flexible	70'	1-1/4"	15/16"	Black	Black
SEMI-RIGID VINYL RUB RAIL KITS							
305-114135-30*	V11-4135BKA30-3	Semi-Rigid	30'	1-7/8"	3/4"	Black	n/a
305-119795-50*	V11-9795BBK50D-2	Semi-Rigid	50'	1-1/2"	3/4"	Black	Black
305-119811-70*	V11-9811WCM70-2	Semi-Rigid	70'	1-5/8"	3/4"	White	Chrome

** Semi-Rigid Vinyl Rubrail is flexible and durable*

Affordable Drop Ship available from manufacturer

MARINE LUMBER

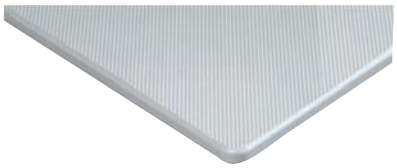
- UV-stabilized marine-grade polymer specifically designed to withstand harsh marine environments
- Individually wrapped
- Excellent resistance to sun and salt water
- Ideal wood replacement for cabinets, dock and step boxes
- Maintenance free
- Easily drilled, cut & routed
- Textured surface

For more information see: www.tacomarine.com

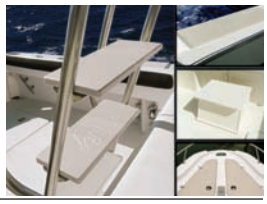
ORDER NO.	Description	Colour	Mfr. No.
305-751200-27	12" x 27" x 3/4"	Black	P10-7512BLK27-1
305-751201-27	12" x 27" x 3/4"	White	P10-7512WHA27-1
305-501200-27	12" x 27" x 1/2"	Black	P10-5012BLK27-1
305-501201-27	12" x 27" x 1/2"	White	P10-5012WHA27-1
305-502400-27	24" x 27" x 1/2"	White	P10-5024WHA27-1
305-502400-54	24" x 54" x 1/2"	White	P10-5024WHA54-1
305-252400-54	24" x 54" x 1/4"	Black	P10-2524BLK54-1
305-251201-27	12" x 27" x 1/4"	White	P10-2512WHA27-1
305-252401-27	24" x 27" x 1/4"	White	P10-2524WHA27-1
305-252401-54	24" x 54" x 1/4"	White	P10-2524WHA54-1

MARINE GRADE KING STARBOARD® ANTI-SKID - *Anti-Skid for preventing slipping in high traffic areas*

- High-density polyethylene
- Features a sure-grip design made of a special high-friction surface polyethylene in a diamond pattern finish to prevent slipping and promote drainage when wet
- Saltwater resistant and environmentally UV stable in the harshest marine environment
- Designed with marine-grade decking material for virtually every walk-on marine application
- ASTM S2047 Slip Resistant compliant
- Resists most stains and does not change colour
- Does not rot or delaminate
- Does not need refinishing
- Cleans easily with marine grade soaps or cleaners and water



Applications: Bow pulpits, decking, hatches, ladder steps, boarding areas, swim platforms, shower floors, stairways & entry ways, step treads



ORDER NO.	Description	Colour	Mfr. No.
305-145012-27	1/2" Thick x 12"W x 27"L	White	P14-5012WHA27-1
305-147512-27	3/4" Thick x 12"W x 27"L	White	P14-7512WHA27-1

FLEX TRIM

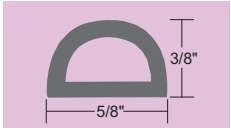
- Covers unfinished edges and follows almost any contour or radius
- Made of flexible PVC
- Integrated interior aluminum clip and gripping tongue ensures a better fit
- Available in 25' rolls

ORDER NO.	Description	Colour	Mfr. No.	Weight
305-301005-25	5/32" x 9/16"	Black	V30-1005B25-1	2lbs.
305-301006-25	5/32" x 9/16"	White	V30-1005W25-1	2lbs.
305-301008-25	1/4" x 1/2"	Black	V30-1008B25-1	2lbs.
305-301009-25	1/4" x 1/2"	White	V30-1008W25-1	2lbs.
305-301312-25	3/8" x 5/8"	White	V30-1312W25-1	2lbs.
305-301316-25	1/2" x 19/32"	Black	V30-1316B25-1	2lbs.
305-301317-25	1/2" x 19/32"	White	V30-1316W25-1	2lbs.

WEATHER SEAL

- Absorbs shock and reduces vibration
- Offers superior resistance to water absorption, sunlight and extreme temperatures
- Durable EDPM synthetic rubber compound
- Ideal for live-wells, exterior doors, instrument covers and electronic boxes
- Adhesive backing for convenient installation
- Available in 10' rolls

305-300109-10



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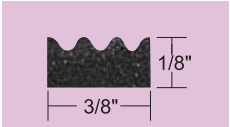
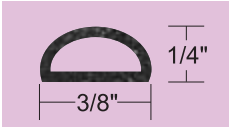


305-301333-10



ORDER NO.	Description	Colour	Mfr. No.	Weight
305-300109-10	3/8" x 5/8"	Black	V30-0109B10-1	2lbs.
305-300113-10	1/8" x 3/8"	Black	V30-0113B10-1	2lbs.
305-301333-10	1/4" x 3/8"	Black	V30-1333B10-1	2lbs.

TOPSIDE ENAMEL

EZ

EZ-POXY® is a modern one-part polyurethane topside and deck enamel improved by the addition of silicone for a brilliant shine and easy brush-ability. Its advanced ultraviolet filters enhance the superior gloss retention and durability of polyurethane. The result is a topside finish that's exceptionally easy to apply, producing a lasting gelcoat-like brilliance with minimal effort. It is more economical, requires less effort and is more forgiving than the competition's.

Featuring easy application, less solvent smell, fewer coats to get the job done, and competitively priced, EZ-Poxy is the go-to choice for boaters all over. Give your vessel the best in protection without the extra hassle.

WHITE - 3175

SEMI-GLOSS WHITE - 3106

ELECTRIC SAPPHIRE BLUE - 3237

BIKINI BLUE - 3229

SEAFOAM GREEN - 3333

OCEAN BLUE - 3248

HATTERAS OFF WHITE - 3108

PLATINUM - 3711

BLACK - 3801

GRAND BANKS BEIGE - 3520

FIGHTING LADY YELLOW - 3456

KELLY GREEN - 3350

JADE GREEN - 3348

FIRE RED - 3624

BURGUNDY - 3626

STEEL GRAY - 3720

VARNISHES & SEALERS

EZ

EZ-WOOD SEALER 2018 is used to seal all types of raw wood prior to painting and varnishing. The sealer acts as a moisture barrier layer to prevent peeling and excessive absorption of vehicle from topside primers, paints or varnishes. It uniformly seals and satisfies the absorbancy of all woods including teak and mahogany.

CAPTAIN'S VARNISH 1015 is highly regarded for its ease of application, outstanding gloss retention and tough yet flexible durability. A combination of phenolic and alkyd resins blended with tung and linseed oils provide excellent performance. Its warm, light amber hue will enhance the rich, classic brightwork appearance. Compatible with **EZ-Poxy Performance Enhancer 3021**.

FLAGSHIP VARNISH 2015 offers the best protection against the sun's damaging rays. With six times more UV inhibitors, this blend of phenolic and alkyd resins, combined with tung and linseed oils, offers exceptional performance and a warm, deep amber hue. This high-build formula offers excellent abrasion resistance and a high gloss finish. Compatible with **EZ-Poxy Performance Enhancer 3021**.

SEAGOLD is the beauty and durability of varnish with the ease of use of synthetic wood treatments. Low-odor, user-friendly, and VOC compliant, the UV-stable resins provide a long-lasting finish that will not turn color with exposure to the elements. Its fast-drying formula allows 3 to 4 coats in a day. SeaGold can be applied over existing varnishes and its translucent amber color does not hide or blur wood grain. **Available in Gloss and Satin.**

VARNISH CHARACTERISTICS & USAGE CHART	CAPTAIN'S VARNISH	FLAGSHIP HIGH-BUILD VARNISH	SEAGOLD **GLOSS** MARINE WOOD TREATMENT	SEAGOLD **SATIN** MARINE WOOD TREATMENT
LIGHT AMBER HUE	✓	✓		✓
EXTERIOR USE	✓	✓	✓	✓
INTERIOR USE	✓	✓	✓	✓
COLD WEATHER APPLICATION	✓			
WARM WEATHER APPLICATION	✓	✓	✓	✓
UV PROTECTION	✓	✓	✓	✓
SATIN FINISH				✓

ANTIFOULING BOTTOM PAINT

ULTIMA® provides excellent antifouling protection for both power and sailboats at an economical price. Ultima's surface wears away over time, eliminating build up or the need for sanding. It can be used on most previously-painted surfaces in good condition. One or two coats per season are recommended for optimal performance.

BLUE - 1281 **RED** - 1681 **BLACK** - 1881

HORIZONS® offers excellent protection from fouling along with all of the benefits of ablative paints. Economically priced, it performs well in all conditions, including severe fouling waters. A heavy load of copper provides dependable, multi-season performance. Its ablative surface wears away with use, exposing fresh biocides while eliminating paint build up and the need for sanding. Can be launched and re-launched without repainting making it an excellent choice for trailered boats.

BLUE - 1250 **GREEN** - 1350 **RED** - 1650 **BLACK** - 1850

UNEXPOXY HRT® seasonal antifouling uses the latest technology available to create a hybrid paint film strong enough to handle the tough marine environment without building up over time. It is a dependable antifouling paint formulated to provide outstanding protection at a very affordable price. Its smooth durable finish is able to withstand beaching, trailering, and season long abuse.

BLUE - 1211 **RED** - 1611 **BLACK** - 1811

NON-ANTIFOULING BOTTOM PAINT

OLD SALEM 1959 HARD RACING COPPER BRONZE is recommended for use in fresh water on racing hulls, sailboats, runabouts or cruisers. It is a non-antifouling hard racing finish that can be buffed to give a high-gloss, ultra smooth surface. It can be used in saltwater for small, dry sailed boats which are not left in the water. Suitable for use on fiberglass, wood and steel hulls. Excellent for use on trailered boats.

BRONZE - 1959

VIEW BOTTOM PAINT COMPATIBILITY CHART ➡

PREP & CONDITIONING PRODUCTS

BIO-BLUE DEWAXER 92 is a powerful blend of cleaning agents and silica grit that de-waxes, etches, cleans, and prepares bare fiberglass for painting, regardless of the boat's age. This solvent-free product is designed to provide an easy and trouble-free method of removing unwanted contaminants, grease, wax, dirt and mold release agents from fiberglass surfaces prior to painting.

RUSTLOK STEEL PRIMER 6980 is an easy to apply, moisture and corrosion proof primer for use on all cast iron and steel surfaces, including galvanized and stainless. Its water impervious barrier offers excellent adhesion and corrosion protection even over rusted surfaces. Recommended anytime an easy to apply, anti-corrrosive barrier coat is desired.

SPLASH ZONE A-788 is an extremely hard, abrasion and impact resistant, two-part epoxy patching compound. It applies like putty to seal, fill, patch or rebuild aluminum, wood, concrete, fiberglass, and steel. It can be applied in or out of water to repair boat hulls, buoys, seawalls, docks, bridge abutments, and more. Splash Zone provides excellent protection against corrosion of metals and erosion and deterioration of concrete or wood. Splash Zone's rock-hard surface can be drilled, tapped, or machined.

PROP COAT BARRIER SPRAY 1792 provides aerosol spray protection to bare metals above or below the waterline. Its smooth, hard surface will self-clean in service and inhibits corrosion on steel, stainless, cast iron, copper, bronze, galvanized and lead.

PETTIT BOTTOM PAINT COMPATIBILITY CHART

NEW ANTIFOULING	OLD ANTIFOULING: Fiberglass Bottomkote ACT, Micro CSC, Ultima, Horizons, Premium Performance	Tri-Lux II, Epoxycup, F/G Bottomkote, Unepoxy	Bottomkote XXX	VC 17(m), VC 17(m) Extra	VC Offshore, Baltoplate
Horizons	***LIGHT SAND & APPLY***	***SAND & APPLY***	***REMOVE***	***REMOVE***	***HEAVY SAND & APPLY***
Ultima	***LIGHT SAND & APPLY***	***SAND & APPLY***	***LIGHT SAND & APPLY***	***REMOVE***	***HEAVY SAND & APPLY***
Unepoxy HRT	***LIGHT SAND & APPLY***	***SAND & APPLY***	***REMOVE***	***REMOVE***	***SAND & APPLY***

HOW MUCH BOTTOM PAINT DO I NEED?

1. Calculate the square footage of the hull:
   Length × Beam × 0.85 = Result
2. Divide this result by the amount of coverage the selected bottom paint offers. This will give you a one-coat total.

Note: All swatch colors shown in this brochure are approximations of the actual paint color in the can.

EZ

EZ-POXY PERFORMANCE ENHANCER 3021 is an additive that can be used in all Pettit high-gloss solvent-based topside paints and varnishes. Its advanced formulation reacts with the paint it is mixed in with, providing exceptional durability, gloss, hardness, gloss-retention, scratch resistance, and longevity. Unlike other two-part urethanes, paints catalyzed with this hardener can be applied over well adhered one-part finishes.

COMPATIBLE WITH **EZ-POXY, EZ-PRIME, CAPTAIN'S VARNISH,** AND **FLAGSHIP VARNISH**

EZ

EZ-PRIME is a multi-purpose primer designed for use as a base coat whenever the surface to be painted is aged, cracked, checked, pitted or in any way less than smooth. It can be applied to fiberglass, wood, properly etched metal and previously painted surfaces. EZ-Prime fills imperfections, dries quickly, and is easy to sand. Compatible with **EZ-Poxy Performance Enhancer 3021**.

EZ-TEX 7100 is an easy to use epoxy repair compound where a high strength, waterproof, permanent repair is needed. This unique formula creates a tenacious bond to most surfaces. Its buttery consistency will not sag or shrink and is excellent for filling cracks, gouges and voids. A 1:1 ratio makes mixing easy. EZ-Tex can be sanded, drilled, tapped, screwed and painted once cured.

PETIT PROTECT® is a heavy duty, two component, epoxy coating for use where maximum resistance to fresh or salt water is required. It reduces water absorption making it an excellent choice for osmotic blister prevention and repair. Its high-solids formula allows for quicker and easier application with fewer coats necessary for effective protection. It also offers dependable corrosion protection on all underwater metals.

GRAY - 4700/4701

- ✓ Faster and easier application
- ✓ Comprehensive gelcoat blister repair/prevention
- ✓ Covers in 2 coats vs. the competition's 5-6 coats
- ✓ Exclusive low-VOC formula developed

WHAT MAKES **PETTIT PROTECT** DIFFERENT?

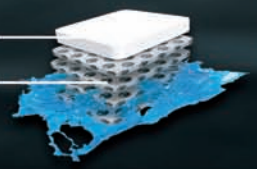
Pettit Protect uses significantly more of the waterproofing agent MICA. MICA, at the highest concentration possible, provides excellent protection from water intrusion.

HIGH CONCENTRATION OF MICA

✓ *IMPRENTRABLE PROTECTION*

LOW CONCENTRATION OF MICA

✗ *WATER CAN PERMEATE THE LAYERS MORE EASILY*



ULTIMA ANTIFOULING PAINT

- Excellent seasonal antifouling protection
- Hybrid paint film offers all the advantages of hard & ablative paints
- Unique controlled erosion minimizes build up yet stands up to seasonal abuse
- Hybrid technology reduces the need for sanding
- Can be painted up to 12 months before launching

Ultima hybrid antifouling provides excellent antifouling protection without the costs associated with high-end antifoulants. This unique formula combines all the advantages of both hard and ablative antifouling paints to produce a modern-day paint film designed to stand up to a season's abuse. Ultima will self-polish over time yet remains durable enough to resist premature wear. It can be hauled and re-launched without repainting, and can be used on most previously painted surfaces. Ultima is equally effective on both power and sailboats, and its attractive price tag makes it an excellent choice for use as a boatyard's "house paint". One or two coats per season are recommended for optimal performance.

ORDER NO.	Pettit No.	Description
51282-5001	1282-GA	Ultima Blue-Gal.
51282-5002	1282-QT	Ultima Blue-Qt.
51682-5001	1682-GA	Ultima Red-Gal.
51882-5001	1882-GA	Ultima Black-Gal.
51882-5002	1882-QT	Ultima Black-Qt.

HORIZONS ANTIFOULING PAINT

- Ablative technology reduces coating build-up
- Allows controlled release of copper over time
- Can be launched and re-launched without repainting
- Can be painted up to 12-months before launching
- Each coat Is usually a season of performance
- Excellent for trailered boats
- Not for aluminum boats

Horizons affordable ablative antifouling bottom paint offer excellent protection from fouling along with all of the benefits of ablative antifouling. Economically priced, Horizons is heavily loaded with cuprous oxide and performs well in all conditions including severe fouling waters. This product is the standard Ablative Antifouling for many boatyards because of its many attributes and favorable pricing.

ORDER NO.	Pettit No.	Description
51250-5001	1250-GA	Horizon Blue-Gal.
51350-5001	1350-GAL	Horizon Green-Gal.
51650-5001	1650-GA	Horizon Red-Gal.
51850-5001	1850-GA	Horizon Black-Gal.
51850-5002	1850-QT	Horizon Black-Qt.

UNEPOXY HRT SEASONAL HYBRID HARD ANTIFOULING PAINT

NEW!

HYBRID REACTIVE TECHNOLOGY

- Economical hybrid protection
- Smooth durable polishing finish
- Compatible over most bottom paints

Pettit Unepoxy HRT seasonal antifouling uses the latest technology available to create a hybrid paint film strong enough to handle the tough marine environment without building up over time.
Hybrid Reactive Technology features high density biocide utilization to maximize effectiveness by using biocide more effectively along with film modifiers to reduce yearly build-up, maintain uniform colour consistency, and lower weight while providing a smoother finish than traditional paints. It is a dependable antifouling paint formulated to provide outstanding protection at a very affordable price. Its smooth durable finish is able to withstand beaching, trailering, and season long abuse.

ORDER NO.	Pettit No.	Description
51211-5001	1211-GA	UnEpoxy HRT Blue-Gal.
51611-5001	1611-GA	UnEpoxy HRT Red-Gal.
51811-5001	1811-GAL	UnEpoxy HRT Black-Gal.
51811-5002	1811-QT	UnEpoxy HRT-Black Qt.

THINNERS, DEWAXER

Pettit No.	Description	ORDER NO.	SIZE
120QT	Brushing Thinner	50120-5002	Quart
121QT	Spraying Thinner (#121) Note: Spraying Not for Durathane, Polypoxy or Vinyl Red Undercoater	52121-5002	Quart

HARD RACING COPPER BRONZE NON-ANTIFOULING PAINT

- For dry sailed boats or boats stored in non-fouling fresh water
- Can be buffed to give a high gloss, Ultra smooth surface
- Suitable for use on fiberglass, wood and steel hulls
- Excellent for trailered boats

ORDER NO.	Pettit No.	Description
51959-5002	1959-QT H/R	C/Bronze-Qt.

For more information see: www.pettitpaint.com

PETTIT

EZ POXY TOPSIDE COATING

EZ Poxy is a modern, one-part polyurethane topside and deck enamel improved by the addition of silicone for a brilliant shine and easy brush-ability. It's advanced ultraviolet filters enhance the superior gloss retention and durability of polyurethane. The result is a topside finish that's exceptionally easy to apply, producing a lasting gelcoat-like brilliance with a minimum of effort. It is more economical, requires less effort, and is more forgiving than the competition.
NOTE: EZ Poxy Performance Enhancer Order No. 53021-5000 (See page 959) can be added to increase gloss, hardness and longevity.

ORDER NO.	Pettit No.	Description	SIZE
53106-5002	3106	Semi-Gloss White	Quart
53108-5001	3108	Off-White	Gallon
53108-5002			Quart
53175-5001	3175	White	Gallon
53175-5002			Quart
53229-5002	3229	Bikini Blue	Quart
53237-5002	3237	Electric Blue	Quart
53248-5002	3248	Ocean Blue	Quart
53333-5002	3333	Seafoam Green	Quart
53348-5002	3348	Jade Green	Quart
53350-5002	3350	Kelly Green	Quart
53456-5002	3456	Fighting Lady Yellow	Quart
53520-5002	3520	Grand Bank Beige	Quart
53624-5002	3624	Bright Red	Quart
53626-5002	3626	Burgundy	Quart
53711-5002	3711	Platinum	Quart
53720-5002	3720	Dark Grey	Quart
53801-5002	3801	Black	Quart

EZ-PRIME HIGH BUILD TOPSIDE PAINT UNDERCOATER

EZ-Prime 6149 should be used as a base coat whenever the surface to be painted is aged, cracked, checked, pitted, or in any way less than smooth. It can be applied to fiberglass, wood, and previously painted surfaces. EZ-Prime 6149 dries quickly and is easy to sand. This high-build formula has excellent filling properties which can be used for a full, one-coat application. When using on bare wood, seal with 2018 EZ-Wood Sealer (Order No. 52018-5002) to provide water resistance and dry rot protection. Not for use below the waterline.

ORDER NO.	Pettit No.	Description	SIZE
56149-5002	6149	EZPrime Premium High-Build Topside Undercoater	Quart

PETTIT PROTECT HIGH BUILD EPOXY PRIMER

4700/4701 is a heavy-duty high build, two component epoxy-polyamide coating for use where maximum resistance to fresh or salt water is required. This complete coating system is resistant to water, many chemical fumes, and very humid environments. It is ideally suited to many commercial and pleasure craft applications and has excellent durability in exterior exposures, although, like most epoxies, it will chalk if not topcoated.

- Reduces water absorption in fiberglass hulls & prevents osmotic blistering
- High film build for maximum protection with fewer coats
- Excellent water and chemical resistance
- Exceptional protection for steel, aluminum, and other metals
- High performance system for underwater running gear

Pettit No.	Description	ORDER NO.	SIZE
4700/4701GL	Epoxy Primer, **Grey**	54700-5001	Gallon Kit
4700/4701QT	Epoxy Primer, **Grey**	54700-5002	Quart Kit

PRIMERS, SEALERS, PRESERVATIVES

To smooth and seal surfaces, provide corrosion resistance, or improve adhesion, there is special primer for each requirement.

Pettit No.	Description	ORDER NO.	SIZE
2018	EZ-WOOD SEALER Used for priming all types of raw wood prior to painting.	52018-5002	Quart
6980	RUSTLOK STEEL PRIMER	56980-5002	Quart

VARNISHES

Pettit No.	Description	ORDER NO.	SIZE
1015	Captain's Varnish Woolsey / Z*Spar	51015-5002	Quart
2015	Flagship Varnish Woolsey / Z*Spar	52015-5002	Quart

For more information see: www.pettitpaint.com

PETTIT

SPLASH ZONE

A-788 SPLASH ZONE

Two-Part Epoxy Repair Compound

Extremely hard, abrasion and impact resistant, two-part epoxy patching compound. It applies like putty to seal, fill, patch or rebuild aluminum, wood, concrete, fiberglass, & steel. It can be applied in or out of water to repair boat hulls, buoys, seawalls, docks, bridge abutments, & more. Splash Zone provides excellent protection against corrosion of metals and erosion and deterioration of concrete or wood. Splash Zone's rock-hard surface can be drilled, tapped, or machined. Recommended for patching and repairing damaged underwater surfaces. Not for use in potable water.

ORDER NO.	Mfr. No.	Kit Size
50788-5001	A-788-SG2	2-Gallon Kit
50788-5002	A-788-HGS	1/2-Gallon Kit

EZ TEX MARINE EPOXY REPAIR COMPOUND

Multi-Purpose Epoxy Repair Kit

- Easy to use 1:1 mix ratio epoxy repair compound for fixing cracks, gouges, voids & holes
- High strength formula makes repairs permanent
- 100% Waterproof when cured – Can be used above & below the waterline
- Will not sag, shrink or run
- Can be sanded, drilled, tapped, sawed and painted once cured

ORDER NO.	Mfr. No.	Size
57100-5004	7100-4OZ	4 oz.
57100-5016	7100-16OZ	16 oz.

EZ-POXY PERFORMANCE ENHANCER

Topside Finish Performance Enhancing Additive

- Provides exceptional durability, hardness, gloss, gloss retention, scratch resistance, and longevity of Pettit solvent based topside finishes
- Provides durability and gloss of linear polyurethanes with the ease of use of enamels and one-part polyurethanes
- Increases flow out of brush strokes and roller stipple, providing a mirror-like high gloss finish

ORDER NO.	Mfr. No.	Size
53021-5000	3021	236 ml (8 oz.)

BIO-BLUE - HULL SURFACE PREP 92 - DEWAXER

Bio-Blue Hull Surface Prep 92 is a powerful blend of cleaning agents and silica grit that de-waxes, etches, cleans, and prepares bare fibreglass for painting. Regardless of the boat's age, the initial surface preparation is imperative. Residual parting agents utilized by the boat manufacturer to "pop" the boat from the mold may still be present, although not visibly apparent. This solvent-free product is designed to provide an easy and trouble-free method of removing unwanted contaminants, grease, wax, dirt, and mold release agents from fibreglass surfaces prior to painting. When used in conjunction with 6998 Skip Sand Primer or 6999 Sandless Primer and Antifouling paint, it is part of an easy 1-2-3 system of bottom paint.

- De-waxes, etches, cleans, de-greases and prepares bare fibreglass for painting
- Easy to use formula
- Works on all fibreglass surfaces
- Biodegradable with no VOC content
- Part of an easy 1-2-3 system of bottom paint

ORDER NO.	Mfr. No.	Description
50092-5002	92-Qt	Bio-Blue, Quart

PETTIT

AQUAGARD®

AQUAGARD® BOTTOM PAINT

WATER BASED ANTI-FOULING MARINE PAINTS FOR FIBERGLASS & WOODEN BOATS.

- Enviro-Friendly Product
- Ablative action repels barnacles & other growth
- Fast drying
- Water based paint rolls on easily
- Great value and outstanding results
- Soap & water clean-up
- Exceeds V.O.C. standards
- Controlled leach out
- Non-toxic fumes
- Also great for use on inflatable boats without the use of primer!
- Plastic containers increase shelf life
- Not for aluminum boats
- U.S. EPA approved

ORDER NO.	Mfr. No.	Description
353-10001	10001	Black (Qt)
353-10101	10101	Black (Ga)
353-10002	10002	Red (Qt)
353-10102	10102	Red (Ga)
353-10003	10003	Blue (Qt)
353-10103	10103	Blue (Ga)
353-10007	10007	Shark White (Qt)
353-10107	10107	Shark White (Ga)

AQUAGARD®

For more information see: www.flexdel.com

DYNAMIC®
Quality Paintware®
Since 1974

LANCASTER CANADA

World's Strongest Cold Weld Adhesive
J-B WELD

JB WELD, CARDED

- 2 x 28 gr. tubes epoxy and hardener
- A cold weld alternative to welding, soldering and brazing.
- Will bond to any clean and dry surface.
- Sets in 4-6 hours and will cure in 16-24 hours.
- Temperature resistant up to 600° F
- Waterproof, petroleum, chemical, and acid resistant when fully cured
- Super strong and non-toxic
- Can be drilled, tapped, machined, filed, sanded, and painted.

ORDER NO. 810-08265 Mfr. No. 8265CAN

JB KWIK, CARDED

- 2 x 28 gr. tubes epoxy and hardener
- A fast set-cure version of J-B Weld that will set in 4 min. & fully cure in 4-6 hours
- Waterproof, petroleum, chemical, and acid resistant when fully cured
- Non-toxic and is temperature resistant up to 300˚F
- Can be used on any surface - Bronze, Porcelain, Ceramic, Aluminum, and ABS & PVC plastics
- Can be drilled, tapped, machined, filed, sanded, and painted.

ORDER NO. 810-08276 Mfr. No. 8276CAN

JB STIK WELD, 57 GR. (2 OZ.) CARDED

- Fast, tough steel-reinforced, non-rusting epoxy putty
- Epoxy adhesive will plug holes and make permanent repairs on wet and dry surfaces
- Will fully cure in 20-30 minutes, even completely submerged in water or gasoline
- Can be drilled, tapped, machined, filed, sanded, and painted
- Mixed colour: Steel Grey

ORDER NO. 810-08267 Mfr. No. 8267CAN

JB MARINE WELD™, CARDED

- Two part epoxy cold weld. 2 x 28 gr. tubes resin and hardener
- Sets in 4-6 hours at room temperature & fully cured in 15-24 hours
- Use on aluminum, metal, fiberglass, plastics/composites, & others
- Can be shaped, tapped, filed, sanded, & drilled
- Maintains strength above or below the water's surface
- 1:1 mixing ratio
- Tensile strength of 3960 PSI

ORDER NO. 810-08272 Mfr. No. 8272CAN

REPAIR AND SEAL MOST ANYTHING!

JB MINI WATER WELD, EPOXY, 57 GR. (2 OZ.) CARDED

- JB Waterweld epoxy putty will make permanent repairs in moist or under water application
- Will plug or seal practically anything that leaks
- Will fully cure in 20-30 minutes
- Can be drilled, tapped, machined, filed, sanded, and painted once cured
- Repairs fibreglass, PVC plastic, copper, iron and aluminum
- Turns Do-It-Yourselfers into repair professionals
- Mixed colour: Off-White

ORDER NO. 810-08277 Mfr. No. 8277CAN

For more information see: www.jbweld.com

3" INDIVIDUAL SINGLE LETTERS & NUMBERS

sold (package of 10)

- Do-it-yourself easy application - Just peel & apply
- Packaged 10 each per bag
- Fade, fuel & scratch resistant,
- Meets U.S. Coast Guard Requirements
- Use border for self-aligning
- Glossy finish, Industry standard
- Popular font matches industry standard

BLACK LETTERS 10/Pkg.	
A	805-17300
B	805-17301
C	805-17302
D	805-17303
E	805-17304
F	805-17305
G	805-17306
H	805-17307
I	805-17308
J	805-17309
K	805-17310
L	805-17311
M	805-17312

BLACK LETTERS 10/Pkg.	
N	805-17313
O	805-17314
P	805-17315
Q	805-17316
R	805-17317
S	805-17318
T	805-17319
U	805-17320
V	805-17321
W	805-17322
X	805-17323
Y	805-17324
Z	805-17325

BLACK NUMBERS 10/Pkg.	
0	805-17335
1	805-17326
2	805-17327
3	805-17328
4	805-17329
5	805-17330
6	805-17331
7	805-17332
8	805-17333
9	805-17334

WHITE LETTERS 10/Pkg.	
A	805-17350
B	805-17351
C	805-17352
D	805-17353
E	805-17354
F	805-17355
G	805-17356
H	805-17357
I	805-17358
J	805-17359
K	805-17360
L	805-17361
M	805-17362

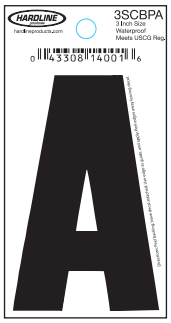
WHITE LETTERS 10/Pkg.	
N	805-17363
O	805-17364
P	805-17365
Q	805-17366
R	805-17367
S	805-17368
T	805-17369
U	805-17370
V	805-17371
W	805-17372
X	805-17373
Y	805-17374
Z	805-17375

WHITE NUMBERS 10/Pkg.	
0	805-17385
1	805-17376
2	805-17377
3	805-17378
4	805-17379
5	805-17380
6	805-17381
7	805-17382
8	805-17383
9	805-17384

BLACK LETTERS Sold Individually	
A	008-00001
B	008-00002
C	008-00003
D	008-00004
E	008-00005
F	008-00006
G	008-00007
H	008-00008
I	008-00009
J	008-00010
K	008-00011
L	008-00012
M	008-00013

BLACK LETTERS Sold Individually	
N	008-00014
O	008-00015
P	008-00016
Q	008-00017
R	008-00018
S	008-00019
T	008-00020
U	008-00021
V	008-00022
W	008-00023
X	008-00024
Y	008-00025
Z	008-00026

BLACK NUMBERS Sold Individually	
0	010-00000
1	010-00010
2	010-00020
3	010-00030
4	010-00040
5	010-00050
6	010-00060
7	010-00070
8	010-00080
9	010-00090



3" DYER STANDARD INDIVIDUAL SINGLE LETTERS & NUMBERS

(SOLD INDIVIDUALLY)

- Dyer Font™
- New packaging
- Waterproof,
- Meets USCG requirements
- Use border for self-aligning
- Glossy finish,
- Fade & fuel resistant

Choose a colour that contrasts with the background application area

REGISTRATION KITS™ FACTORY MATCHED

3" LETTER & NUMBER PACKAGES

For the "Do-It-Yourself" Sign Maker
Boat, Personal watercraft, Snowmobile, Truck
Make signs of all kinds

- Just peel & apply on any clean smooth surface
  Includes 4 sets each of A-Z, 0-9
- 146 Total decals
- Factory Matched Colours
- UV coated, fade, fuel & scratch resistant

SERIES 200EC - 3" SOLID COLOUR
Economical one solid colour kits

ORDER NO.	Mfr. No.	Colour
928-20003	BLK200EC	Solid Black
928-20004	WHI200EC	Solid White

SERIES 200 - 3" OUTLINE COLOUR SHADED
For that custom airbrushed look

ORDER NO.	Mfr. No.	Colour
928-10001	REBKG200	Shaded / Red, Black Outline
928-10002	BRBKG200	Shaded / Tan, Black Outline
928-20001	SIBKG200	Shaded / Silver, Black Outline
928-20002	YEBKG200	Shaded / Yellow, Black Outline

SERIES 320 - 3" SOLID COLOUR
Solid body with no shading and a contrasting outline w/ drop shadow

ORDER NO.	Mfr. No.	Colour
928-32001	REBLK320	Red / Black Outline
928-32002	BLKSI320	Black / Silver Outline
928-32003	BLBLK320	Blue / Black Outline

SERIES 350EC - 3-1/4" SOLID COLOUR
Solid body colour / no outline

ORDER NO.	Mfr. No.	Colour
928-30001	BLK350EC	Solid Black
928-30002	WH1350EC	Solid White
928-30003	BLU350EC	Solid Blue

COMPLETE LETTER & NUMBER P.O.P. DISPLAY

- 32" x 24" Wall Wire Display Stand
- Includes 10 ea. of A-Z, 0-9 - Black & White Letters & Numbers
- Total 720 decals
- Attractive & space efficient

Mfr. No. 17400
ORDER NO. 805-17400

3" LETTER / NUMBER PACKAGE DISPLAY

24 PIECE - 8 EACH
Series 200, 320, 350EC
(Assorted colours)

- 22" x 24" Wall Wire Display
- Space efficient and attractive

Mfr. No. PLANOGRAM6
ORDER NO. 928-60000

For more information see: www.hardlineproducts.com

FIBERGLASS REPAIR MATERIALS

CLEAR LIQUID GELCOAT

Neutral (Clear) gelcote comes with wax and can be mixed with any Gelcote colour. Once hardener is added, neutral gelcote will be tack-free once fully cured. Can be sanded with 600 grit sandpaper and polished.

ORDER NO.	Mfr. No.	Size
613-10001-1	100-1AD	250 ml
613-10002-1	100-02AD	1 Liter
613-10004-1	100-03AD	4 Liter

WHITE LIQUID GELCOAT

Comes with wax. Once hardener is added, white gelcote will cure tack free. Can be sanded with 600 grit sandpaper and polished.

ORDER NO.	Mfr. No.	Size
613-10101	101-1AD	250 ml
613-10102	101-02AD	1 Liter
613-10103	101-03AD	4 Liter

GELCOAT PASTE KITS

Everything you need for larger surface scratches or gouges in your gelcote surface. Kit includes 250 ml gelcote paste, hardener, mixing stick, paint brush & mylar. Clear may be tinted to match any desired colour. White is toned to closely match a boat with 2 to 10 year sun exposure.

ORDER NO.	Mfr. No.	Colour
613-10000-P	100P	Clear
613-10006	100PW	White

FIBERGLASS POLYESTER RESIN

Complete with hardener

For Marine & Automotive applications
With wax and no wax.

ORDER NO.	Mfr. No.	Size
WITH WAX		
613-10501	105-01	500 ml
613-10502	105-02	1 Liter
613-10503	105-03	4 liter
613-10540	105-04	20 Liter
NO WAX		
613-10504	105-03NW	4 liter
613-10505	105-04NW	20 liter

DG Subject to Dangerous Goods Fee

FILLERS CABOSIL

Used as a thickening agent for making putty with resins and gelcoats.

ORDER NO.	Mfr. No.	Size
613-10800	108-00	1 Liter

GELCOTE® INTERNATIONAL LIMITED

STYRENE

c/w Air Dry & Hardener

Used to reduce viscosity of Gelcoat for spraying. Can also be used to clean molds, etc. Do not use more than 10% in mix

ORDER NO.	Mfr. No.	Size
613-11100	111-00	1 Liter
613-01111	111-01	4 Liter

HARDENER (MEKP)

For Polyester Resin only

This MEK-50 hardener is used with polyester resin and gelcote. 1.5% to 2% of hardener is mixed with polyester resin and gelcote

ORDER NO.	Mfr. No.	Size
613-11210	112-1	1/2 oz. (14 ml)
613-11220	112-2	2 oz. (50 ml)
613-11230	112-3	8 oz. (225 ml)

DG

Captain PHAB

ACETONE

- 100% pure
- Ideal for removing fiberglass, cleaning brushes, spray equipment and tools
- Strong, fast drying solvent for specified coatings, including epoxy resins,polyester, ink, adhesives and contact cement
- Acetone is a VOC exempt solvent

ORDER NO.	Mfr. No.	Size
706-03571	357	500 ml
706-03501	350	1 L
706-03511	351	4 L
706-03521	352	20 L

DG

DG Subject to Dangerous Goods Fee

For more information see: www.gelcote.com

GELCOTE®
INTERNATIONAL LIMITED

AIR DRY ADDITIVE

Use with polyester resin or Gelcote only. Mix 2% air dry with 1 liter of polyester resin or gelcote to give you a tack free surface.

ORDER NO.	Mfr. No.	Size
613-12222	122-AD1	250 ml

PAINTBRUSH - ROLLERS - MIXING STICKS

ORDER NO.	Mfr. No.	Description
613-01151	115-1	1" Paint Brush
613-01152	115-2	2" Paint Brush
613-01153	115-3	3" Paint Brush
613-11610	116-1	3/4" x 3" Mohair Roller
613-11620	116-2	3/4" x 3" Mohair Refill
613-11630	116-03	Air Roller 3/4" x 3"
613-11640-C	116-04C	Air Roller Corner 3/8"
613-11650	116-05	Air Roller 1/2" x 3"
613-11660	116-06	Air Roller 3/8" x 3"
613-11670	116-07	Air Roller 3/4" x 6"
613-11690	116-09	Air Roller 1" x 9"

SCRATCHED SURFACE REPAIR KITS WITH WAX

Kit contains (28 ml) 1 oz. paste, hardener, mylar, mixing sticks, water sand paper, 1 polishing compound & 2 mylar sheets. White, black & champagne are the closest nautical match for boats that are a few years old and have been exposed to UV sunlight

ORDER NO.	Mfr. No.	Description
613-10100	101	White Kit
613-00101-B	101-B	Black Kit
613-00101-C	101-C	Champagne Kit

613-00101-C

GELCOTE MULTI COLOUR REPAIR KIT

Allows you to match your own color. Kit includes (28ml) 1 oz. clear gelcote paste, hardeners, and 6 different colours (10ml), colour matching chart, water sand paper, mixing sticks, mylar & 2 grades of polishing compound.

ORDER NO.	Mfr. No.	Size
613-10000	100	Kit

URETHANE LIQUID FOAM KIT

Parts A & B.
Liquid foam mix 50-50 will fill voids in seconds. Great for floatation

ORDER NO.	Mfr. No.	Size	Coverage
613-12201	122-01	1 Liter Kit	(1 cu. ft.)
613-12202	122-02	2 Liter Kit	(1 cu. ft.)

122-01

122-02

FIBERGLASS REPAIR KIT

Everything you need for structural fiberglass repair. Kit includes fiberglass resin, hardener, mixing sticks and fiberglass cloth.

ORDER NO.	Mfr. No.	Size
613-10200	102	Kit

GELCOAT SPRAYERS & REFILLS

For small spray repairs. Ideal for colour matching, trouble free touch up. Spray epoxies, primers, 2 part gelcoats and polyurethane. Perfect job everytime!

ORDER NO.	Mfr. No.	Size
613-00267	KC202670	Sprayer Kit & Refill
613-00268	KC202680	Refill

For more information see: www.getpainting.com

PVA MOLD RELEASE WAX

PVA- A liquid green mold release

ORDER NO.	Mfr. No.	Size
613-11204	122-04	1 Liter
613-11205	122-05	500 ml

For more information see: www.gelcote.com

FIBERGLASS REPAIR MATERIALS

GELCOTE® INTERNATIONAL LIMITED

FIBERGLASS CLOTH

• 6 oz.

ORDER NO.	Mfr. No.	Size
613-11403	114-C	1 Meter x 38" wide
613-11416	114-H	1 Meter x 60" wide
613-11404	114-D	2 Meter x 38" wide
613-11405	114-HB	6 Meter x 60" wide
613-11406	114-HC	10 Meter x 60" wide
613-11415	114-E	10 Meter x 38" wide

FIBERGLASS MAT

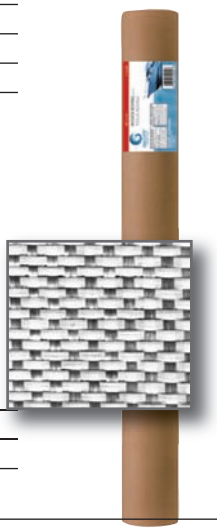
• 1-1/2 oz. x 38" to 50".
• Reinforcing product.
• A 100% fiberglass, non-woven mat for use in repairing badly damaged area.
• Specially treated for marine resins.

ORDER NO.	Mfr. No.	Size
613-11401	114-A	1 Meter x 38" wide
613-11400	114-AC	10 Meter x 38" wide
613-11402	114-B	3 Meter x 38" wide
613-11408	114-L1A	3 Meter x 50" wide
613-11409	114-L1B	6 Meter x 50" wide
613-11410	114-L1C	10 Meter x 50" wide

FIBERGLASS TAPE

Excellent product for joining seams, fiberglass to fiberglass and plywood

ORDER NO.	Mfr. No.	Size
613-11420	114-2T	10 Meter x 2" wide
613-11430	114-3T	10 Meter x 3" wide
613-11440	114-4T	10 Meter x 4" wide
613-11460	114-6T	10 Meter x 6" wide



WOVEN ROVING

• 18 oz. x 38"

ORDER NO.	Mfr. No.	Size
613-11411	114-0A	1 Meter x 38" wide
613-11407	114-0B	3 Meter x 38" wide
613-11412	114-0C	6 Meter x 38" wide

CAB-O-SIL

Used as a thickening agent for making putty with resins and gelcoats.

ORDER NO.	Mfr. No.	Size
613-10800	108-00	Quart

COLOUR PASTE - POLYESTER OR EPOXY RESIN & GELCOATS

Highly pigmented colour for colouring polyester resin.
Use 2 x 28.4 ml (1 oz.) jars of colour paste for each liter of Gelcote or resin.
Light colours may require more colour. Use up to 15% of colour to obtain a rich, vibrant colour.

109 SERIES:

ORDER NO.	Mfr. No.	Colour - Size
613-10901	109-01	White, 1 oz.
613-10902	109-02	Yellow, 1 oz.
613-10903	109-03	Sky Blue, 1 oz.
613-10904	109-04	Dark Green, 1 oz.
613-10905	109-05	Black, 1 oz
613-10906	109-06	Red, 1 oz.
613-10907	109-07	Marine Blue, 1 oz.
613-10908	109-08	Dark Brown, 1 oz.

225 SERIES:

ORDER NO.	Mfr. No.	Colour - Size
613-22501	225-1	White, 8 oz.
613-22502	225-2	Yellow, 8 oz.
613-22503	225-3	Sky Blue, 8 oz.
613-22504	225-4	Dark Green, 8 oz.
613-22505	225-5	Black, 8 oz.
613-22506	225-6	Red, 8 oz.
613-22507	225-7	Marine Blue, 8 oz.l
613-22508	225-8	Dark Brown, 8 oz.

For more information see: www.gelcote.com

Captain Phab, Gelcote and Lloyds's Laboratories for decades have designed environmentally sustainable products that address unique challenges and concerns of the Marine and R.V. Industries.
Captain Phab is proud to announce many new and existing products now carry the UL Eco logo, an official arm's length certified environmentally friendly products to global recognized standards. This is assurance for you and your customers that our products meet new stringent standards for being environmentally sustainable, biodegradable and formulated for minimal aquatic toxicity as proven through independent testing and auditing. Our registered products are consistent with the reputation Captain Phab products have earned over the past two decades ... *"They Really Work".*

Captain Phab, Gelcote and Lloyd's Laboratories are committed to becoming the most trusted brand of authentic, safe and environmentally responsible products for healthy recreational care products.

EXP SYSTEM

UNIVERSAL EPOXY RESIN AND 1:1 HARDENER

- **Completely Clear Finish · Does Not Shrink After Curing**
- **Low VOC's & Odor · Exceptional Strength**
- **Increased Flexibility · Low viscosity**

EXP Universal Epoxy Resin - used with our appropriate hardeners, cures to form excellent moisture resistant, high-strength plastic. Bonds well with wood fiber, fiberglass, reinforcing fabrics and a variety of metals.
It is easy to work with and is made without volatile solvents.
It has a relatively high flash point and no strong solvent odor, making it safer to work with than polyester or vinylester resins.
When cured, it can be machined, drilled, sawn, filed or sanded.
Ideal for projects that require water and chemical resistence. Oue 1:1 hardener has its own pot life calculated at a temperature of 22°C (72°F). Stir resin-hardener mixture thoroughly and apply immediately.

UNIVERSAL EPOXY RESIN

PART#	SIZE
1002	207 mL (.5 pint) can
1005	455 mL (1 pint) can
1001	946 mL (1 quart) can
1004	3.78 L (1 gal) can
1020	16.5 L (4.35 gal) pail

1 :1 HARDENER
Gel Time: 20-30 minutes

PART#	SIZE
2200	207 mL (.5 pint) can
2201	455 mL (1 pint) can
2202	946 mL (1 quart) can
2204	3.78 L (1 gal) can
2220	16.5 L (4.35 gal) pail

See CC Marine Order Numbers Below

UNIVERSAL EPOXY RESIN

ORDER NO.	Mfr. No.	Size
613-10020	1002	207 ml
613-10050	1005	455 ml
613-10010	1001	946 ml
613-10040	1004	3.78L
613-01020	1020	16.5L Pail

1.1 HARDENER

ORDER NO.	Mfr. No.	Size
613-22000	2200	207 ml
613-22010	2201	455 ml
613-22020	2202	946 ml
613-22040	2204	3.78L
613-22200	2220	16.5L Pail

For more information see www.captainphab.com

DYNAMIC® Quality Paintware® Since 1974

LANCASTER CANADA

PAINT BRUSHES

ARISTOCRAT WHITE BRISTLE BRUSHES

- Professional quality, superior length out, thickness and taper to ensure a professional finish
- White China bristle
- Unfinished long wood handle

FLAT BRUSHES

ORDER NO.	Size	Mfr. No.
812-87104	1-1/2"	HB198104
812-87105	2"	HB198105
812-87106	2-1/2"	HB198106
812-87107	3"	HB198107

ANGLE BRUSHES

ORDER NO.	Size	Mfr. No.
812-87004	1-1/2"	HB198004
812-87005	2"	HB198005
812-87006	2-1/2"	HB198006
812-87007	3"	HB198007

MERIT PRO WHITE BRISTLE CHIP BRUSHES

- Disposable
- Economy 100% white China bristle, square trim
- Silver ferrules, unfinished wood handle
- Can be used with most paints, glues, and adhesives

ORDER NO.	Size	Mfr. No.
812-28001-14	1/2"	00014
812-28003-15	1"	00015
812-28004-16	1-1/2"	00016
812-28005-17	2"	00017
812-28006-18	2-1/2"	00018
812-28008	3"	00028
812-28010-49	4"	00490

OVATION FLAT BRUSHES

- Excellent quality sashes
- Blended gold and white polyester
- Plastic handle

ORDER NO.	Size	Mfr. No.
812-25005	2"	HB250005
812-25007	2-3/4"	HB250007

HIGH DENSITY FOAM BRUSHES

- High density polyurethane foam
- Beveled end
- Use with all finishes, except shellac and lacquer

ORDER NO.	Size	Mfr. No.
812-85003	1"	HB285003
812-85005	2"	HB285005
812-85007	3"	HB285007
812-85010	4"	HB285010

PURDY XL™ GLIDE™ ANGULAR TRIM BRUSH

- Nylon/Polyester
- Medium Stiff
- Designed for all paints and stains
- Exceptional quality and finish
- Very versatile

ORDER NO.	Size	Mfr. No.
812-52315	1-1/2"	144152315
812-52320	2"	144152320
812-52325	2-1/2"	144152325

SCOUT FLAT BRUSHES

- Economically priced flat sash brush with plastic handle
- Mixed China bristle naturally tapered and flagged
- For all oil and alkyd-based paints
- Round steel ferrule

ORDER NO.	Size	Mfr. No.
812-16003	1-1/4"	HB160003
812-16005	2"	HB160005
812-16007	3"	HB160007
812-16010	4"	HB160010

PAINT PAL POLYESTER TRIM BRUSH - 100% POLYESTER

- Very good quality consumer grade flat & angled sash brushes
- Blended gold and white polyester filaments
- Deluxe soft grip handle provides a comfortable no slip grip

ORDER NO.	Size	Mfr. No.
Polyester Flat Brush		
812-09804	1-1/2"	PAL09804
812-09805	2"	PAL09805
812-09806	2-1/2"	PAL09806
Polyester Angular Brush		
812-09904	1-1/2"	PAL09904
812-09905	2"	PAL09905
812-09906	2-1/2"	PAL09906

For more information see: www.lancastercanada.com

DYNAMIC® Quality Paintware® Since 1974

LANCASTER CANADA

ENVIRO BRUSH & ROLLER KITS

ENVIRO ROLLER® - 9.5"

- Lint free fabric cover woven from yarn originating from 100% post consumer PET
- Core made from 100% recycled plastic
- Professional results with all paints & enamels
- 9-1/2"

ORDER NO. 812-21716 Mfr. No. HB021716

PAINT ROLLERS & ACCESSORIES

HIGH DENSITY FOAM MINI ROLLERS

- Use with melamine, semi-gloss & enamel paint, polyurethane's & varnishes
- Great for painting trim, cupboards, doors, and hard to reach areas

DYNAMIC TRIM ROLLER

- Excellent for primers, exterior stain
- All latex paints & coatings

812-05308

812-05304

812-05305

812-05306

812-05307

812-05309

812-05311

812-05314

812-05315

ORDER NO.	Description	Mfr. No.
812-05304	4" Mini Foam Roller & 12" Handle	HM005304
812-05305	4" Mini Foam Refill, 2Pk	HM005305
812-05306	6" Mini Foam Refill, 2Pk	HM005306
812-05307	4" Foam Tray Kit	HM005307
812-05308	4" Mini Fabric Trim Roller & 16" Handle	HM005308
812-05309	4" Mini Trim Refill, 2Pk	HM005309
812-05311	4" Trim Tray Kit	HM005311
812-05314	4" Mini Foam Roller Refill,10Pk	HM005314
812-05315	4" Mini Trim Roller Refill, 10Pk	HM005315
812-05316	16" Mini Handle	HM005316

812-05316

DYNAMIC® Quality Paintware® Since 1974

LANCASTER CANADA

MINI FLOCKED FOAM REFILLS 10 PK

- Ideal for smooth finishes with water borne enamels, varnishes and urethanes
- Apply latex enamels with no bubbles
- Great for doors, cupboards, window frames, and hard to reach areas

ORDER NO.	Description	Mfr. No.
812-05500	4" Roller 10Pk	HM005500

MINI MOHAIR REFILLS

- Ideal for most latex and oil based enamels, varnishes and urethanes
- Great for walls, ceilings, doors, cupboards and hard to reach areas
- Perfect for alkyd and melamine finishes

ORDER NO.	Description	Mfr. No.
812-05400	4" Roller 12Pk	HM005400
812-05401	6" Roller 12Pk	HM005401

MINI ROLLER & TRAY

- Mini Roller & Handle with plastic tray & lid

ORDER NO. 812-01757
Mfr. No.HB001757

PLASTIC PAINT TRAY

- Solvent resistant polypropylene tray with legs
- Ribbed bottom
- Clear, solvent-resistant form-fitting tray liner
- Will stack 24 high on a shelf

ORDER NO.	Description	Mfr. No.
812-20400	Plastic Paint Tray (2L)	HZ020400
812-20576	Disposable Tray Liner (2L)	HZ020576

METAL PAINT TRAY & LINERS

- Rust resistant steel finish
- Ribbed bottom, ladder lock legs
- Form fitted solvent resistant liners.

ORDER NO.	Description	Mfr. No.
812-21040	2L Metal Paint Tray *Replaces #812-21090*	HZ021040
812-20500	2L DisposableTray Liner Fits 812-21040	HZ020500

NEW!

NEW!

MULTI PURPOSE HIGH PILE ECONOMY PLASTIC TRAY KIT - 3 PIECE

Contains:
- 9-1/2" x 3/8" Multi Purpose Roller,
- 9-1/2" Cage Frame
- 1L Black plastic Tray

Mfr. No. HB021737
ORDER NO. 812-21737

NEW!

CAGE FRAMES

ORDER NO.	Description	Mfr. No.
812-21744	9-1/2" Cage Frame	HB021744
812-21746	9-1/2" Deluxe Pro Cage Frame	HB021746
812-11742	7-1/2" Cage Frame	HB011742

For more information see: www.lancastercanada.com

DYNAMIC® Quality Paintware® Since 1974

LANCASTER CANADA

4" MULTI PURPOSE TRIM ROLLER KIT PLASTIC TRAY KIT - 3 PIECE

Contains:
- 4" x 3/8" Multi Purpose Roller,
- 4" Cage Frame
- 6" Black plastic Tray

NEW!

Mfr. No. 00588
ORDER NO. 812-00588 *Replaces #812-21714*

NEW!

TRIM ROLLER CAGE FRAMES

- Polypropylene threaded handle with metal ferrule

ORDER NO.	Description	Mfr. No.
812-00285	3" 4 Wire Standard Roller Frame *Replaces #812-61745*	00285
812-00284	4" 4 Wire Standard Roller Frame *Replaces #812-61759*	00284

DYNAMIC 3" JUNIOR ROLLER

- Excellent for painting trim.

ORDER NO.	Description	Mfr. No.
812-61716	3" Junior Roller	HB461716

9.5" REFILL EPOXY GLIDE NAP ROLLER COVER WOOSTER PROFESSIONAL

- Made for use with all epoxies & urethanes, water based or solvent bases
- Shed resistant
- 1/4" Nap
- For smooth surfaces;
- Non-woven fabric, very low lint;
- Great pickup, controlled release & flow for fast cover;

Mfr. No. KR232
ORDER NO. 812-00232
Replaces #812-21788

NEW!

INFINITY LINT FREE REFILL

- Contractor quality woven lint free fabric provides maximum pick-up and release
- Excellent for all paint and enamels
- Recycled plastic core for increased durability, 1½" in diameter
- For smooth and semi smooth surfaces
- Resists matting for uniform coverage and smoother results 10pk refills - convenient resealable bag keeps refills clean, organized and ready for use

ORDER NO.	Size	Mfr. No.
812-11803	7-1/2" x 1/4"	HB011803
812-21795	9-1/2" x 1/4"	HB021795
812-21796	9-1/2" x 3/8"	HB021796

LINT FREE REFILLS

- Twin Pack Refills
- 3"

Mfr. No. HB461725
ORDER NO. 812-61725

9.5" FOAM TWIN PACK

- For urethanes, varnishes and oil paints.
- Quality foam refill.
- Plastic core

ORDER NO.	Description	Mfr. No.
812-21762	Foam Twin Pack (9-1/2')	HB021762

For more information see: www.lancastercanada.com

DYNAMIC® Quality Paintware® Since 1974

LANCASTER CANADA

NEW!

ARTISTS BRUSH 5 PIECE, CARDED

Flat & rounded brushes

• #2 Round camel, #4 Round camel, #1/2 Flat camel, #1/2 Flat bristle, #1/4 Flat camel

Mfr. No. 00005

ORDER NO. 812-00005

Replaces #812-00900

MINI GLASS SCRAPER

• Replaceable single-edge blade
• 38mm

Mfr. No. GSM

ORDER NO. 812-07089-1

FLEXIBLE PUTTY KNIVES

• Professional quality
• Plastic black handle
• High carbon steel blade
• Patch cracks

ORDER NO.	Mfr. No.	Size
812-10320	DYN10320	1-1/2"
812-10322	DYN10322	3"

6.5" KNUCKLE SAVER WIRE BRUSH

• Made of sturdy durable plastic and rust-proof stainless steel wire - handles are molded for comfort
• Perfect for removing rust, corrosion, paint, stucco, etc.
• Recycled plastic handle

Mfr. No. HD002054

ORDER NO. 812-02054

PLASTIC SHOE HANDLE WIRE BRUSH WITH SCRAPER

Tempered steel bristles
• 4 x 16 Row wire brush.
• 10" Handle length

Mfr. No. 01025

ORDER NO. 812-01025

Replaces #812-02144

NEW!

DYNAMIC® Quality Paintware® Since 1974

LANCASTER CANADA

For more information see: www.lancastercanada.com

DYNAMIC® Quality Paintware® Since 1974

LANCASTER CANADA

PROTECTIVE WEAR

HEAVY DUTY PMF DISPOSABLE COVERALLS

- Tear-resistant, breathable, non-absorbent PMF material
- For professional and do-it-yourself jobs
- Lightweight and comfortable
- Elasticized head, ankles, wrists and waist for improved fit
- Great for painting, gardening, farming, repairs, etc.

ORDER NO.	Size	Mfr. No.
812-04400	Large	AH04400L
812-04401	Extra Large	AH0440EL

DYNAMIC COVERALLS

- Protects your clothes from dirt and soil
- For professional and do-it-yourself jobs

ORDER NO.	Description	Mfr. No.
812-22003	Coverall-L	AH02200L
812-02200	Coverall-XL	AH0220EL
812-00220	Coverall-XXL	AH022EELL

BLUE NITRILE DISPOSABLE GLOVES WITH TEXTURED GRIP - 100 PK BOX

- Textured grip provides a good grip in wet or dry environments
- Rolled cuff adds additional strength to cuff edge for longer glove life and prevents liquid run-off
- Light hand protection from liquids, chemical, and debris

Powered

ORDER NO.	Description	Mfr. No.
812-29001	Medium, 4 mil	GP2900M
812-29002	Large, 4 mil	GP2900L
812-29003	X-Large, 4 mil	GP2900XL

Power Free

812-29101	Medium, 4 mil	GP2910M
812-29102	Large, 4 mil	GP2910L

NEW!

812-29001

BLACK NITRILE DISPOSABLE GLOVES - 100 PK BOX

- Industrial grade
- Latex free
- Black colour hides dirt & provides contrast for handling lighter colour material
- Power-free for clean comfort & superior tactile sensitivity
- Light hand protection from liquids, chemical, and debris

Powered Free

ORDER NO.	Description	Mfr. No.
812-29103	Large, 5.5 mil	GP2918L

NEW!

NEW!

SAFETY GOGGLES

- Lightweight
- Non-fogging
- Ventilated
- Protects from flying particles, dust or spray

ORDER NO.	Description	Mfr. No.
812-19260	Large, 5.5 mil	19260

DYNAMIC® Quality Paintware® Since 1974

CLEANERS & PAINT REMOVERS

DUMOND Architectural Restoration and Protection — SmartStrip

LANCASTER CANADA

DUMOND SMART STRIP™

Smart Strip™ is a revolutionary paint remover that is safe for the user,the substrate and the environment, and easy to apply.

- Safe & Effective Water-based formula
- 100% Biodegradable
- Removes up to 15 coats of virtually any coating from any surface
- Zero VOC Formulation

ORDER NO.	Size	Mfr. No.
810-03332	946 ml.	3332C
810-03301	3.8 Litre	3301C

MAGIC GOO GONE

- The ultimate remover
- Removes stickers, grease, gum, tar, crayon, tape and so much more!
- 240ml

Mfr. No. 2088C
ORDER NO. 812-00012

MISCELLANEOUS SPONGES

DYNAMIC SANDING SPONGE

- Will sand angled, contoured and flat surfaces. It's controllable flexibility makes it easy to use anywhere.

ORDER NO.	Description	Mfr. No.
812-62601	Medium/Fine	AG562601
812-62603	Medium/Fine Dual Angle	AG662603
812-82602	Medium/Coarse	AG582602

For more information see: www.lancastercanada.com

PAINT STRIPPERS

Captain PHAB

MARINE STRIP-IT

Paint Stripper for all Epoxies, Enamels, & Urethanes

- Safe for fiberglass surfaces

ORDER NO.	Mfr. No.	Size
706-05901	590	1 L
706-05921	592	4 L

STRIP-IT GREEN

Paint Stripper for all Epoxies, Enamels, & Urethanes
DO NOT USE on fibreglass or plastic surfaces

- Thick gel that clings to vertical surfaces
- Strips multiple layers of paint at a time
- Paint wrinkles, when job is done
- Odourless & won't burn your skin
- Biodegradable, water-based, safe for user
- No methylene chloride
- Easy to apply, easy to remove & clean up

ORDER NO.	Mfr. No.	Size
706-05911	591	1 L

For more information see: www.captainphab.com

DYNAMIC® Quality Paintware® Since 1974

LANCASTER CANADA

MEASURING BUCKETS

BUCKETS ONLY
ORDER NO. 812-61086
2-1/2 Qt / 2365 ml.

PLASTIC PAILS W/HANDLE
- Capacity: 4730 ml (5 qt)
- Has Measurement marks in litres and quarts

Mfr. No. KK210PPP
ORDER NO. 812-21000

PLASTIC PAIL & LID
- Ideal for mixing paint, cleaning or carrying tools, & other purposes
- Plastic construction for durability
- Plastic grip handle

Mfr. No. PR0378
ORDER NO. 812-03780 **White Pail only (1 Gal.)**

Mfr. No. LR378TE
ORDER NO. 812-03781 **White Lid only (1 Gal.)**

PLASTIC PAIL & LID
- Ideal for mixing paint, cleaning or carrying tools, & other purposes
- Plastic construction for durability
- Steel wire handle with plastic grip

Mfr. No. PR1907
ORDER NO. 812-01907 **White Pail only (5 Gal.)**

Mfr. No. LR1920
ORDER NO. 812-01920 **White Lid only (5 Gal. *w/ Gasket)***

TACK CLOTHS
- Picks up all the dust, dirt and sanding residue for a professional finish every time.

Mfr. No. AZ015122
ORDER NO. 812-15122

CHEESECLOTH
- A good quality cheesecloth, made to perform well when staining, oiling or antiquing, or straining paint.
- Also has many uses around the home, auto or boat.

ORDER NO.	Size	Mfr. No.
812-44263	3yds x 33.5"	AZ442603

COTTON KNIT RECYCABLE PAINTER'S RAGS

NEW!

Mfr. No. 00624
ORDER NO. 812-00624

9" SKELETON CAULKING GUN
- Heavy duty construction
- Easy loading
- Seal punch

Mfr. No. AJ200118
ORDER NO. 812-20118

For more information see:
www.lancastercanada.com

3M Science. Applied to Life.™

Bringing 3M Ingenuity on Board

Bonding, Sanding, Sealing, Painting, Waxing and Protecting

Whether you're a boat builder, repairer, or boat enthusiast, 3M can help you improve safety, maximise productivity, and achieve optimal finished results. Learn more about our unique products and systems designed to keep you and your boat ship shape.

For more information: www.3m.com/marine
or call 1-800-3M-HELPS

3M

3M™ MARINE ADHESIVE/ SEALANT 5200

This high-performance polyurethane adhesive/sealant becomes tack free in 48 hours, completely cures in 5-7 days with no shrinkage. The seal is extremely strong, retains its strength above or below the waterline. Stays flexible - allows for structural movement. Stress caused by shock, vibration, swelling or shrinking is effectively absorbed. Has excellent resistance to weathering and salt water. Easy to apply with manual caulking gun. Remains workable with trowel or spatula up to four hours after application. Won't sag or flow in vertical or horizontal seams. Available in tubes, cartridges and pails.

ORDER NO.	Colour	Size
Tubes-Carded		
600-05203	White	3 oz.
600-05205	Black	3 oz.
Cartridges		
ORDER NO.	Colour	Size
601-52001	White	1/10 Gallon
600-06502	Mahogany	1/10 Gallon
600-06504	Black	1/10 Gallon

3M™ MARINE ADHESIVE/ SEALANT FAST CURE 5200

A faster curing version of 3M™ Marine Adhesive/Sealant 5200. This high performance polyurethane becomes tack free in one hour and fully cures in approximately 24 hours. The seal is extremely strong, retains its strength above or below the water line. Stays flexible too-allows for structural movement. Stress caused by shock, vibration, swelling or shrinking is effectively absorbed. Has excellent resistance to weathering and salt water.

ORDER NO.	Colour	Size
600-05220	White	3 oz. (Tube)
601-65201	White	1/10 Gallon (Cartridge)

3M™ MARINE ADHESIVE/ SEALANT FAST CURE 4000UV

This high quality cosmetic adhesive/sealant cures to form a firm, rubbery, water-tight seal.
It has superior UV resistance and a very low odour.
Highly flexible, the 3M™ Marine Adhesive/Sealant Fast Cure 4000UV is resistant to weathering, salt water, and stresses caused by joint movement.
Seals between mechanically fastened joints on wood, fibreglass, metal, and most plastics above or below the waterline.
Applications include sealing deck to hull joints, thru-hull fittings, window and door frames, deck hardware, navigation lights, hatches and porthole frames.

ORDER NO.	Colour	Size
600-05280	White	3 oz. (Tube)
600-06580	White	1/10 Gallon (Cartridge)
600-06586	White	400 mL (Flex-Pack)

3M™ MARINE GRADE MILDEW RESISTANT SILICONE

A mildew resistant non-sagging, moisture-curing silicone rubber sealant. Remains flexible with excellent resistance to the marine environment. Adheres to bare and painted metal, fibreglass, glass, non-oily woods and many plastics and abraded rubbers. Ideal for head and galley sealing applications. Also excellent gasket adhesive and formed-in-place gasket material.

ORDER NO.	Colour	Size
Tubes-Carded		
600-08017	White	3 oz.
600-08019	Clear	3 oz.
Cartridges		
ORDER NO.	Colour	Size
600-08027	White	1/10 Gallon
600-08029	Clear	1/10 Gallon

3M™ MARINE ADHESIVE/ SEALANT FAST CURE 4200

A one-part general purpose polyurethane that chemically reacts with moisture to deliver flexible bonds with good adhesion to wood, fibreglass, gelcoat, certain plastics and metals. Paintable and sandable. Forms watertight, weather-resistant seals on joints and boat hardware above or below the waterline. This product is approximately half the strength of 3M™ Marine Adhesive/Sealant 5200, which allows for disassembly of parts.
Note: Not recommended for sealing wood decks because it may be permanently softened by certain teak cleaners or sealers. On plastics, test 3M™ Marine Adhesive/Sealant Fast Cure 4200 to determine suitability.

ORDER NO.	Colour	Size
600-05260	White	3 oz. (Tube)
600-65601	White	1/10 Gallon (Cartridge)
600-65641	Black	1/10 Gallon (Cartridge)

3M™ FLEXIBLE PACKAGE APPLICATOR GUN

Fully enclosed, all metal, rod driven, friction feed applicator gun.
For use with all 310 mL or smaller flexible foil packages.
This tool has a 12:1 ratio.

ORDER NO. 600-08398
Container Size: 310 mL

3M™ GENERAL TRIM ADHESIVE - CLEAR - LOW VOC

A fast drying, high-strength, low VOC clear adhesive in an aerosol container. Designed for bonding most types of trim found in the Marine industry except unsupported vinyl. Excellent for fabrics, upholstery foam, carpets. Do not use on styrofoam.

ORDER NO. 601-08080
Size: 24 oz. Aerosol

3M™SUPER TRIM ADHESIVE

3M™ Super Trim Adhesive is a fast-acting, high-strength, aerosol contact adhesive designed for two-surface application. This adhesive is resistant to heat and plasticizing oils and is excellent for attaching vinyl, insulation, foam, padding and rubber parts to metal and other surfaces. Bonds can be made within minutes of application or as long as one hour later.

ORDER NO. 601-08090
Size: 24 oz. Aerosol

3M™ GLASS CLEANER

3M™ Glass Cleaner is an easy to use, quick acting, non-streaking aerosol glass cleaner. Excellent for cleaning glass; this product is also effective for use on plastic, chrome or metal.

ORDER NO. 600-08968
Size: 20 oz. Aerosol

For more information see: www.3m.com/marine

3M™ CITRUS BASE INDUSTRIAL CLEANER

3M™ Citrus Base Cleaner offers a fresh scent. Gently cleans oil, grease, tar & grime. Can help pewpare surfaces for adhesive bonding.
Industrial grade. Non-corrosive.

ORDER NO. 600-08789-24
Container Size: 24 oz.

GENERAL PURPOSE ADHESIVE CLEANER

Specially blended solvent for removal of light paint overspray, adhesive residue, wax, grease, tree sap, dirt, road tar, oil and bugs. Comes in aerosol form. Will not harm most thoroughly cured automotive paint, vinyls, or fabrics when properly used.

ORDER NO. 600-08987
Size: 425g Aerosol

DYNAMIC® Quality Paintware® Since 1974

LANCASTER CANADA

RAPIDFIX DUAL ADHESIVE SYSTEM

- Rapidfix combines an instant adhesive with a welding powder that can create an unbreakable bond in seconds
- Bonds to almost any material such as: rubber, glass, copper, aluminum, steel and most plastics
- Repairs all types of holes, cracks, gaps, and can also produce a strong weld seam to support the repair, just like a solder or welding joint
- Perfect for all kinds of repairs around the home and in the workshop

ORDER NO.	Mfr. No.	Description
815-61217	JR612177	Rapidfix 10 ml (Retail Pack)
815-12110	JR712110	Rapidfix PRO 25 ml

RAPIDFIX VIDEO DISPLAY UNIT

- The Rapidfix Video Display Unit is the best selling tool for Rapidfix in any retail space
- Easy to setup and conveniently attaches to any Rapidfix Counter Display, includes remote control
- Plugs into a standard power outlet and uses as little power as a 20 watt lightbulb, can be kept on 24 hours a day/7 days a week
- Small footprint design takes up very little counter space

RAPIDFIX DUAL ADHESIVE SYSTEM Beyond Super Glue!

VDU SCREEN

ORDER NO.	Mfr. No.	Description
815-60110	ZZJR6011	Rapidfix VDU Screen - 10ml Includes 3 FREE 10ml Blister Packs

3M™ SCOTCH-BRITE™ HEAVY DUTY PAD - TAN

A non-woven, three-dimensional product to be used on the following applications; varnish stripping, bottom paint scuffing and stripping, rust removal and heavy clean-up.

ORDER NO. 601-07440 Size: 6" x 9"

3M™ SCOTCH-BRITE™ LIGHT DUTY PAD - WHITE

For light scouring, including rust removal. Conformable so hard-to-reach, contoured surfaces are easy to reach. Open web construction makes pads easily cleaned for repeated work.

ORDER NO. 601-07445 Size: 6" x 9"

3M™ SCOTCH-BRITE™ GENERAL PURPOSE PAD - MAROON

For scuffing before applying paint and paint primers. Also may be used in cleaning upholstery and chrome. Can be rinsed and used over and over again.

ORDER NO. 601-07447 Size: 6" x 9"

3M™ SCOTCH-BRITE™ ULTRA FINE PAD - GREY

Used to finish sand scratches after using 3M™ Wetordry™ abrasives in the 360A grit range. Reusable.

ORDER NO. 601-07448 Size: 6" x 9"

3M™ TACK PAD

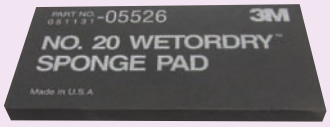
Based on 3M's non-woven technology, the tack pad's three-dimensional web absorbs dust particles and has good conformability, excellent dust collection and reduces adhesive transfer. It is designed to work with all modern paint systems, including water-based paints.

ORDER NO. 600-07910 Size: 6" x 9" 10/Pk

3M™ NO. 20 WETORDRY™ SPONGE PAD

A firm hand sanding pad to be used with a three-fold wrap of 3M™ Wetordry™ Tri-M-ite™ Paper Sheets, 3M™ Imperial™ Wetordry™ Color Sanding Paper Sheets or 3M™ Production™ Gold Paper Sheets to make hand sanding easier and more efficient.

ORDER NO. 601-05526



3M™ SANDING BLOCK

A pliable rubber block which holds the sandpaper securely during wet or dry sanding operations. It utilizes a 9" x 11" sheet torn or folded into fourths to make 2-3/4" x 9" sheets or for convenience use 3M™ pre-cut 2-3/4" x 9" sheets.

ORDER NO. 601-05519 Sheet Size: 2-3/4" x 9"

3M™ HOOKIT™ SANDING BLOCK - DUST FREE

Used for sanding applications. Attaches to vacuum hose for dust removal.

ORDER NO. 600-05216 Mfr. No. 05216

Size: 9" x 4-1/2"

3M™ HOOKIT™ SANDING HAND BLOCK

3M™ Hookit™ Hand Blocks are made from a sturdy, durable, high-strength plastic with an easy release hook face. Use with 3M™ Hookit™ Abrasives Sheets 2-3/4 inch x 5 inch for leveling of repair areas to produce a true, flat surface. Comfortably fits in hand.

ORDER NO. 600-05740 Mfr. No. 05740 **Size: 2-3/4" x 5"**

3M™ HOOKIT™ SANDING BLOCK KIT

Foam Hookit™ Sanding Block Kit contains the top seven most popular blocks in a blister pack shipper

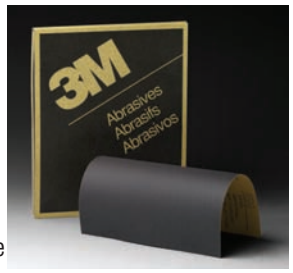
Helps make sanding easier in difficult locations. Use as an accessory item with the Hookit™ abrasive products for sanding filler, primer and other substrates. Use with 3M Purple Clean Sand Sheet Roll.

Kit contains (1) each of 3M#'s 05685, 05686, 05687, 05689, 05691, & (2) of 05691.

Blocks are semi-rigid. **ORDER NO. 600-05684** Mfr. No. 05684

For more information see: www.3m.com/marine

3M™ IMPERIAL™ WETORDRY™ PAPER SHEETS



The 3M™ Imperial™ Wetordry™ Paper Sheets utilize a premium, aluminum oxide mineral, an improved paper backing, and an optimized construction that results in the following performance advantages: improved rate of cut, increased abrasive life, increased flexibility, and uniform, consistent finish.

ORDER NO.	Grade	Sheets Per Sleeve
9" x 11"		
600-02035	P800	50
600-02036	P600	50
600-02038	P400	50
600-02040	P320	50
9" x 11"		
600-32035	P800	5
600-32036	P600	5
600-32038	P400	5
600-32040	P320	5

3M™ IMPERIAL™ WETORDRY™ PAPER SHEETS

This Imperial™ Wetordry™ product is constructed of a premium aluminum oxide mineral, better bonding system and better bonding system and more flexible backing. These features will provide faster cut, longer life, more consistent finish which will reduce sanding and buffing time. All grades are packed 5 sleeves per case. Grade 2500 has been added for finishes desired finer than 2000.

ORDER NO.	Grade	Sheets Per Sleeve
5-1/2" x 9"		
600-02021	Ultra Fine 1000	50
600-02022	Micro Fine 1200	50
600-02023	Micro Fine 1500	50
600-02044	Micro Fine 2000	50
600-02045	Micro Fine 2500	50
9" x 11"		
600-32022	Micro Fine 1200	5 Pk

3M™ FLEXIBLE ABRASIVE HOOKIT™ HAND SHEETS

Hand sheets for sanding primer, blending and paint finishing.

ORDER NO.	Grade	Sheets Per Sleeve
600-34337	P400	25
600-34339	P600	25
600-34340	P800	25
600-34341	P1000	25
600-34342	P1200	25
600-34343	P1500	25

3M™ PRODUCTION™ RESINITE FRE-CUT™ GOLD PAPER SHEETS

The 3M™ Production™ Resinite Fre-Cut™ Paper Sheets utilize a premium, aluminum oxide mineral, an improved paper backing, and total construction that results in the following performance advantages: Improved rate of cut, increased flexibility, increased abrasive life and uniform, consistent finish. Production™ Gold Paper Sheets also have a non-staining Fre-cut to prevent colour transfer to the surface.

ORDER NO.	Grade	Sheets Per Sleeve
9" x 11"		
600-02537	P600	50
600-02539	P400	50
600-02541	P320	50
600-02543	P240	50
600-02544	P220	50
600-02545	P180	50
600-02547	P120	50
600-02549	P80	50
9" x 11"		
600-32545	P180	5

3M™ PRODUCTION™ PAPER SHEETS

Dry sanding only by machine or hand on fibreglass, wood or metal. Open coat with tough aluminum oxide mineral.

ORDER NO.	Grade	Sheets Per Sleeve
9" x 11"		
600-02115	80D	50

ORDER NO.	Grade
9" x 11"	
C & D Weight- 5 Sheets Per Pack	
600-32115	80D

3M™ FLEXIBLE ABRASIVE HOOKIT™ FOAM PAD

Use as an accessory item with our 3M™ Flexible Abrasive Hookit™ Hand Sheets for sanding primer, blending and paint finishing.

ORDER NO. 600-34349
Mfr. No. 34349

3M™ INTERFACE FOAM PAD

Hook in one side, loop in the other. Use with 3M™ Orbital Sander, 3M's Flexible Abrasive Hookit™ Hand Sheets.

ORDER NO. 600-34350
Mfr. No. 34350

3M™ HOOKIT™ GOLD DISCS

- Designed for use on clear coat, fibreglass, paint and primer
- Durable and long lasting abrasive products
- Hook and loop attachment system

3" Diameter

ORDER NO.	Mfr. No.	Description	Qty/Pkg
600-00912	00912	P500	50
600-00915	00915	P240	50

3M™ HOOKIT™ GOLD FINISHING FILM DISCS

3M™ Hookit™ Finishing Film Discs are designed for use in scuff sanding before painting, as well as to remove runs, dust nibs, and excess orange peel from paint and gelcoat prior to compounding. These discs allow for machine sanding versus having to hand sand prior to compounding or using very aggressive compounds (multiple applications of). These discs are constructed of a high performance, aluminum oxide mineral bonding to a smooth film backing. Cuts fast, lasts long, resists loading and leaves a consistent finish. **6" Diameter**

ORDER NO.	Mfr. No.	Grade	Discs Per Box
600-00969	00969	P1000	100
600-00970	00970	P800	100
600-00968	00968	P1200	100

3M™ STIKIT™ GOLD ABRASIVE SHEET ROLL

- Coated abrasive rolls with a pressure-sensitive adhesive backing
- Ideal for fine featheredging & last final sanding step before priming,.& removing paint around damaged area & scratch refinement of bare metal
- Custom sizing means there's less waste
- 100% of the abrasive surface is used
- 2-3/4" x 30 Yards - (6.9cm x 27.43 cm)

ORDER NO.	Mfr. No.	Description
600-02597	02597	P120

3M™ HOOKIT™ FINISHING FILM DISCS

3M™ Hookit™ Finishing Film Discs are designed to level orange peel, dust nibs and paint runs when refinishing. Suggested backup pad #05769 and Interface Pad #05771.

3" Diameter

ORDER NO.	Mfr. No.	Grade	Discs Per Box
600-00907	00907	P1500	50
600-00909	00909	P1000	50
600-00910	00910	P800	50

SPECIAL ORDER ITEM

For more information see www.3m.com/marine

3M™ BLUE ABRASIVES

The Upgrade you've been waiting for. BLUE goes head to head with any abrasive in its class!
Upgrade your old Abrasives Today!
3M™ Blue Abrasives are engineered with a ceramic mineral blend that cuts through paint and body filler with consistent results every time. Available in 3M™ Stikit™ Abrasive Disc and 3M™ Hookit™ Abrasive Disc configurations.

Designed for Performance:
- **Engineered ceramic mineral blend** provides best-in-class performance using exactly the right balance of ceramic grain and premium oxide
- **Anti-loading coating** improves disc life
- **Upgraded resins** improve durability and finish

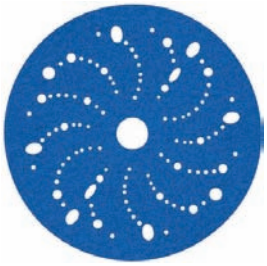
Best-in-class value leaves the competition in the dust literally
3M™ Blue Abrasive Multi-hole Discs are specifically designed to improve anti-loading and boost dust extraction for improved productivity and a cleaner work environment. The multi-hole pattern captures dust, keeping the abrasive open for a faster cut and consistent performance throughout the life of the disc.

3M™ Hookit™ Abrasive Disc univeral multi-hole pattern with alignment guide:
- Reduces loading for improved performance
- Improves dust extraction efficiently compared to 6 and 7 hole patterns
- Aligns with majority of dust extraction back-up pads

3M™ Hookit™ Abrasive Disc Attachment

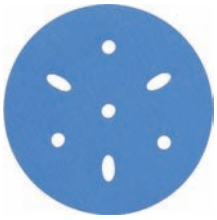
6" Diameter- 50 Discs/Box - 4 Boxes/Case

ORDER NO.	Mfr. No.	Grade
600-36172	36172	80
600-36174	36174	120
600-36176	36176	180
600-36180	36180	320
600-36181	36181	400
600-36183	36183	500
600-36184	36184	800



3" Diameter- 50 Discs/Box - 4 Boxes/Case

ORDER NO.	Mfr. No.	Grade
600-36148	36148	240
600-36152	36152	500



Sheet Roll 2-3/4"(W) x 13 Yd (L) - 4 Rolls/Case

ORDER NO.	Mfr. No.	Grade
600-36187	36187	80
600-36189	36189	120
600-36192	36192	220
600-36196	36196	400

3M™ Stikit™ Abrasive Disc Attachment

6" Diameter- 100 Discs/Roll - 5 Rolls/Case

ORDER NO.	Mfr. No.	Grade
600-36204	36204	120
600-36206	36206	180
600-36207	36207	220
600-36208	36208	240
600-36210	36210	320
600-36211	36211	400
600-36212	36212	500

For more information see: www.3m.com/marine

3M™ TRIZACT™ HOOKIT™ FOAM DISCS

Use for a spot repair system for removing P1200 - P1500 grade sand scratches prior to using 3M™ Perfect-it™ Polishing System, 3000. When working on contour surface, use Interface Pad 600-57770.

- High Performance abrasive disc with 3M™ Hookit™ attachment
- Refining P1200-P1500 grade sand scratches during paint finishing process
- Suggested Backup Pad 600-05551 with Soft Interface Pad 600-57770. Can be used with 3M™ Random Orbital Sanders

6" Diameter

ORDER NO.	Grade	Discs Per Box
600-02085	P3000	15

3M™ TRIZACT™ HOOKIT™ CLEAR COAT SANDING DISCS

Incorporates Trizact™ technology for uniform and consistent finish. Use damp to level minor dust nibs and for light sanding of mismatched orange peel on all automotive paints.
Suggested backup pad 600-05551 and 600-57770 soft interface pad.

6" Diameter

ORDER NO.	Grade	Discs Per Box
600-02088	P1500	25

3M™ PAINTER'S DISC PAD WITH HOOKIT™ - 6" DISC

Soft backup pad with Hookit™ attachment to be used primarily in the paint department.

ORDER NO. 600-05778

NEW!

3M™ HOOKIT™ CLEAN SANDING DISC PAD 6" DISC

Incorporated a mult-hole pattern designed to optimize performance and productivity. Pads have a one-piece stud design for improved balance and reduced vibration. Designed to help evacuate dust better than conventional dust free abrasive discs with pads, which dramatically helps increase disc life and overall sander performance. Recommended for use with 3M™ Random Orbital Sander and 3M™ Abrasive products for lowest vibration and best sanding performance.

ORDER NO. 600-20425

3M™ HOOKIT™ SOFT INTERFACE PAD 6 x 1/2 X 3/4"

Designed for 3M™ Hookit™ abrasives. Improves abrasive cut and finish. Reduces vibration on dual action random orbital sanders using 3M™ Hookit™ disc pads. For use with all 3M™ Hookit™ disc pads.

ORDER NO. 600-57770

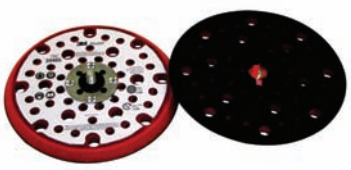
600-57770

- Discs resist loading, extending disc life & improving productivity
- Facilitates exceptional dust extraction
- Delivers uniform, consistent finishes
- Uses 3M™ Hookit™ Attachment System for easy reuse

3M™ HOOK-IT™ CLEAN SANDING LOW PROFILE FINISHING DISC PAD 6"

Constructed of soft density foam with a 10˚ blunt tapered edge and is recommended for finishing applications on flat or contoured surfaces where dust evacuation is needed. Use this disc pad with grades 220 and higher. 3M™ Clean Sanding or 3M Hookit™ D/F Discs (sold separately)

ORDER NO. 600-20465



600-20465

NEW!

For more information see www.3m.com/marine

3M™ GREEN CORPS™ HOOKIT™ REGALITE™ DISCS

A uniquely blended mineral bonded to a tough "E" weight backing provides a fast cutting, long lasting abrasive. The 3M™ Hookit™ attachment system allows easy application to and removal from the disc pad. Excellent for stripping paint or sanding marine fairing compounds.

ORDER NO.	Grade	Discs Per Box
8" Diameter		
600-00520	100E	25
600-00521	80E	25
600-00522	60E	25
600-00524	40E	25
600-00525	36E	25

ORDER NO.	Grade	Discs Per Box
6" Diameter		
600-00512	80E	25
600-00513	60E	25
600-00515	40E	25
600-00516	36E	25

3M™ GREEN CORPS™ HOOKIT™ REGALITE™ SHEETS - 2-3/4" WIDTH

3M™ Green Corps™ Hookit™ Regalite™ Sheets utilize a convenient hook-and-loop attachment system for easy placement on and removal from the tool face. The special mineral coating bonded to a durable "E" wt. backing is designed to last long and cut fast when using by hand or with a machine.

2-3/4" x 16-1/2"

ORDER NO.	Grade	Sheets Per Box
600-00539	80E	50
600-00542	40E	50

3M™ GREEN CORPS™ HOOKIT™ FILE SHEETS - 10 PACK

An aluminum oxide sheet constructed on an E weight heavy paper backing. resin bonded for heat resistance. 36E grade. Uses include metalworking & woodworking.

ORDER NO. 600-02641 4-1/2" x 30"

3M™ GREEN CORPS™ STIKIT™ PRODUCTION™ DISCS

Used for shaping plastic filler, removing paint around damaged area & scratch refinement of bare metal. Suggested back-up #05579

ORDER NO.	Grade	Size	Discs Per Box
600-01547	P40	6"	100
600-01549	P80	8"	50

3M™ GREEN CORPS™ HOOKIT™ FAIRING BOARD SHEET - 4-1/2" x 30" (11.43 cm x 76.2 cm)

- Resin bonded for heat resistance
- Ceramic aluminum oxide blend abrasive offers excellent cut rate and life
- Built on E-weight paper backing for added durability
- Open coat construction provides a more aggressive cut and minimizes dust clogging
- Ideal for shaping filler and stripping paint to metal

ORDER NO.	Grade	
600-02637	100E	10/Pack

For more information see www.3m.com/marine

3M™ CUBITRON™ II CLEAN SANDING HOOKIT™ ABRASIVE DISCS

Used to fine feather edging, last final sanding step before priming, or prepping before blending.

- Feature triangular shaped ceramic grain
- Cuts 30% faster than premium abrasives
- Lasts up to twice as long
- Delivers a finer, more uniform finish
- For speed, comfort and long life
- Offers best performance level

Target applications:

- Paint removal
- Body filler rough shaping
- Feather edging

CUBITRON II

ORDER NO.	Mfr. No.	Grade	Disc Size	Sheets Per Box
600-31370	31370	40+	6"	25
600-31371	31371	80+	6"	50
600-31372	31372	120+	6"	50
600-31374	31374	180+	6"	50
600-31482	31482	240+	6"	50
600-31483	31483	320+	6"	50
600-31484	31484	400+	6"	50
600-31375	31375	40+	8"	25

NEW!

3M™ 6" PURPLE CLEAN SANDING HOOKIT™ DISCS

Use for primer sanding, or prepping before blending. Use with a soft interface pad 600-57770.

Features

- Clear out more dust with less disc loading
- Hookit™ backing

Benefits

- Extended disc life
- Improve cutting ability
- Can reduce consumable costs
- Can improve productivity
- Cleaner work area

ORDER NO.	Mfr. No.	Grade	Discs/Box
600-30761	30761	P600	50

3M™ PURPLE FINISHING FILM HOOKIT™ DUST-FREE - 6" DISC

Use for scuffing the blend area prior to painting. Remove runs, dust nibs and excess orange peel from paint and gelcoat prior to compounding. Suggested backup pad 600-05551 and interface pad 600-57770.

ORDER NO.	Mfr. No.	Grade	Discs/Box
600-30769	30769	P1000	50
600-30770	30770	P800	50
600-30771	30771	P600	50

3M™ PURPLE FINISHING FILM HOOKIT™ - 6" DISCS

High performance aluminum oxide cuts fast, lasts a long time, resists loading and leaves a consistent finish. Use with a soft interface pad 600-57770 to scuff sand before painting. Use for scuffing the blend area before painting. Removes runs, dust nibs and excess orange peel from topcoat finishes before repainting or buffing. Discs are easy to remove from backup pads. They are faster and easier to use than scuffing pads, and there's none of the dry time you get with wet sanding.

ORDER NO.	Mfr. No.	Grade	Discs/Box
600-30669	30669	P1000	50
600-30670	30670	P800	50
600-30671	30671	P600	50

3M™ HOOKIT™ MARINE FAIRING BOARD RIGID

The rigid 3M™ Hookit™ Marine Fairing Board features a durable, lightweight two-level design for a secure, comfortable grasp and easy handling. This product is ideal for fairing, shaping, sanding, and finishing boats, plugs and molds.

ORDER NO. 600-83497

Mfr. No. 83497

4-1/2" x 30" (11.43 cm x 76.2 cm)

3M™ HOOKIT™ MARINE FAIRING BOARD FLEXIBLE

The flexible 3M™ Hookit™ Marine Fairing Board features a durable, lightweight two-level design for a secure, comfortable grasp and easy handling. This product is ideal for fairing, shaping, sanding, and finishing boats, plugs and molds.

ORDER NO. 600-83978

Mfr. No. 83978

4-1/2" x 30" (11.43 cm x 76.2 cm)

For more information see www.3m.com/marine

3M™ BUFFING & POLISHING PADS

3M™ SUPERBUFF™ POLISHING PAD

The 3M™ Superbuff™ Polishing Pad is a double-sided, soft-edge polishing pad, specially designed for use with a polisher and glaze. Made of extremely fine fibers (wool blend), the 3M™ Superbuff™ Polishing Pad produces a high gloss on paint and gelcoat surfaces. Other features include: long life, flexibility, lightweight and well balanced. For compounding prior to glazing, one of the other 3M™ Superbuff™ Pads may be used.
Fits all standard (5/8" shaft) slow-speed polishers.
ORDER NO. 600-05705 Mfr. No. 05705

3M™ SUPERBUFF™ ADAPTER

Adaptor for the 3M™ Superbuff™ Pads. For use with 3M™ Superbuff™ Pads, PNs 05700, Order No. 600-05701, 600-05705. Also works with 3M™ Perfect-It™ Backup Pad (05718).
ORDER NO. 600-05710
Mfr. No. 05710

3M™ SUPERBUFF™ III COMPOUNDING PAD

Aggressive, fast-cutting pad that is made of 100% untwisted wool. Stiffer centre hub for more cutting power, double-sided pad that is excellent for hard paints. Fits all standard (5/8" shaft) slow speed polishers.
ORDER NO. 600-05703
Mfr. No. 05703

3M™ SUPERBUFF™ III 2 PLUS 2 COMPOUNDING PAD

Made of blended untwisted wool with a stiffer centre hub for more cutting power. It is a double-sided pad that is less aggressive than a wool pad. Fits all standard (5/8" shaft) slow-speed polishers.
ORDER NO. 600-05704
Mfr. No. 05704

3M™ PERFECT-IT™ FOAM COMPOUNDING PAD - 8"

High performance double sided foam compounding pad. Refines P1200 or finer sand scratches. Unique quick connect design. For use with 3M™ Compounds (39060, 600-06085, 06086) to remove sand scratches. For use with 3M's Quick Connect Adapter 600-05752.
ORDER NO. 600-05706
Mfr. No. 05706

3M™ QUICK CONNECT ADAPTER

Polishing/Buffing tool adapter used for quickly connecting and disconnecting double sided buffing pads from the buffing tool. 5/8" thread Easy-to-use. Use with 3M™ Perfect-It™ brand compounding and polishing pads. (600-05706, 600-05707, 600-05753)
ORDER NO. 600-05752
Mfr. No. 05752

For more information see: www.3m.com/marine

3M™ FINESSE-IT™ ROLOC™ FINISHING PAD - 3"

Holds the 3" 3M™ Finesse-it™ Natural Buffing Pad in place. Provides a soft surface for excellent results.Finishing pad mounts in a 3" 3M™ Roloc™ Disc Pad Assembly (Order No. 600-05540).
ORDER NO. 600-14736 Mfr. No. AB14736

3M™ FINESSE-IT™ NATURAL BUFFING PAD - 3"

These 3" buffing pads are designed to get you into tight areas not accessible with a conventional polisher. Pads are hook-and-loop backed. 3" version attaches to the 3" 3M™ Finesse-it™ Roloc™ Finishing Pad (Order No. 600-14736) which mounts in a 3" 3M™ Roloc™ Disc Pad Assembly (Order No. 600-05540).
ORDER NO. 600-85078 Mfr. No. 85078

3M™ FINESSE-IT™ BUFFING PAD - 3-1/4"

Orange foam white loop provides soft, smooth surface for applying 3M™ Finesse-It™ polishes. Holds pad securely and provides quick pad change-out. Pad combined with buffers, random orbital tools, and variable speed polisher to produce desired final finish.
ORDER NO. 600-02648 Mfr. No. 02648

3M™ ROLOC™ DISC PAD ASSEMBLY - 3"

Designed to support 3M™ Roloc™ 3" diameter abrasive discs. This pad has a 1/4-20 INT thread which allows it to be mounted directly to tools with 1/4-20 EXT threaded shafts. Assembly also includes a Roloc™ shank and adapter.
ORDER NO. 600-05540 Mfr. No. 05540

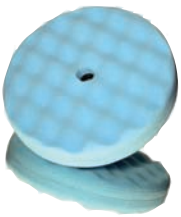
3M™ PERFECT-IT™ HOOKIT™ FOAM POLISHING PAD - 3"

Convoluted foam face for cool and swirl free polishing, easy on easy off 3M™ Hookit™ attachment, ideal size for getting into hard to reach areas. Designed to be used with 3M™ Hookit™ 3" Disc Pad (Order No. 600-05769) and the 3M™ Roloc™ Buffing Backup Pad (Order No. 600-14736). Sold as each
ORDER NO. 600-05726 Mfr. No. AB05726

3M™ PERFECT-IT™ FOAM POLISHING PAD - 8"

High performance black double sided foam polishing pad. Removes compound swirls and fine paint surface defects. Unique quick connect design. Provides high-gloss shine. For use with Quick Connect Adapter 600-05752, & Perfect-It™ Machine polish 39061, 600-06064, 06065.
ORDER NO. 600-05707 Mfr. No. 05707

3M™ PERFECT-IT™ ULTRAFINE FOAM POLISHING PAD - 8"



High performance double sided foam polishing pad. Eliminates swirl marks on painted surfaces, even on difficult dark coloured surfaces. Unique quick connect system. Use with Perfect-It™ Ultrafine Machine Polish 600-06068 and 3M™ Quick connect adapter 600-05752.
ORDER NO. 600-05708 Mfr. No. 05708

SPECIAL ORDER ITEM

3M™ HOOKIT™ DISC PAD

This pad is specifically made to use with 3M™ Hookit™ Discs. The pad face securely holds the discs yet allows for easy change and reattachment of discs. The pad is lightweight, shock resistant and well balanced. The tough durable plastic hub and a conformable foam body are designed for a maximum operating speed of 7,000 RPM.

ORDER NO. 600-05776

For Use With Disc Size: 6"

3M™ HOOKIT™ DISC PAD

Designed especially for use with 3M™ Hookit™ Regalite™ Discs, the hook-and-loop face secures the disc to the backup pad, yet provides for easy removal and reattachment. Edges are contoured to allow for sanding curves and close to mouldings. Fits all standard (5/8" shaft) slow speed polishers with maximum operating speed of 3000 RPM.

ORDER NO. 600-05779

For Use With Disc Size: 8"

3M™ STIKIT™ DISC PAD

Specially made for use with 3M™ Stikit™ Discs. The vinyl pad face provides good disc adhesion yet allows easy disc removal. Both pads are lightweight, shock resistant and well balanced. Maximum safe operating speed for both pads is 7000 RPM.

ORDER NO. 600-05576

For Use With Disc Size: 6"

3M™ HOOKIT™ SOFT DISC PAD

Designed for use with a slow speed polisher/grinder. It is ideal for use with fine grade abrasives for sanding primer on comformable surfaces. Produces finer finishes. Maximum operation speed of 3000 RPM.

ORDER NO. 600-05768

For Use With Disc Size: 8"

For more information see www.3m.com/marine

@ Have a Technical Question?

Contact our Technical Support Staff
email: techsupport@ccmarine.ca

3M™ DUST FREE HOSE EXTENSION KIT

To be used for sanding with dust free blocks and tools.
This kit will convert large hose dust free systems into a 20 foot, 1" outside diameter vacuum hose.

ORDER NO. 600-05215
Mfr. No. 05215

3M™ PERFECT-IT™ 100% WOOL POLISHING PAD

Double sided yellow blended wool, aggressive polishing pad. Removes compound swirl marks and fine paint surface defects. These high performance buffing pads make it quick and easy to attach pads to polishers, plus they perfectly center each pad every time.
For use with 3M™ machine polishes and 3M™ Quick connect Adapter 600-05752.

ORDER NO. 600-05754 **9" Pad**
Mfr. No. 05754

3M™ PERFECT-IT™ WOOL COMPOUNDING PAD - 9"

High performance double sided 100% wool compound pad. Refines P1200 and finer sand scratches and other paint surface defects. Unique quick connect design. Use with 3M's Rubbing Compounds #600-06085 to remove sand scratches. For use with 3M's Quick Connect Adapter 600-05752. Aggressively fast-cutting pad.
Excellent for hard paints.
ORDER NO. 600-05753 Mfr. No. 05753

3M™ PERFECT-IT™ 100% WOOL COMPOUNDING PAD - 9"

Double sided, low linting, 100% wool, aggressive fast cutting compound pad. Designed to refine P1200 and finer sand scratches and other paint surface defects. Provides a finer finish than most 100% wool pads without lint mess. For use with 3M™ Quick Connect Adapter 600-05752. Suggested for use with Perfect-It™ Rubbing Compound #600-06085.

ORDER NO. 600-33279 Mfr. No. 33279

3M™ HOOK-IT™ SBS WOOL COMPOUNDING PAD - 9"

Single sided 60/40 wool blend compounding pad with medium cut. Suggested use with Perfect-It™ Rubbing Compound # 600-06085.
Hook-It™ attachment uses 600-05768 and 600-05779 disc pads.
ORDER NO. 606-05711 Mfr. No. 05711

3M™ HOOK-IT™ SBS WOOL POLISHING PAD - 9"

Single sided yellow blended wool polishing pad used to remove compound swirl marks and fine paint surface defects.
Use with 3M Machine Polishes & 600-05768 and 600-05779 disc pads.

ORDER NO. 606-05713 Mfr. No. 05713

3M™ CONDITIONING BRUSH

- Comfortable and secure grip
- Helps prevent marring of the finish of a boat or vehicle
- Designed to help remove residue from foam and wool buffing pads quickly and easily, cleaning away waste material that can diminish effectiveness of the pad.

ORDER NO. 600-05761 Mfr. No. 05761

3M™ INSTA-LOK™ DOODLEBUG™ PAD HOLDER

This holder has a swivel head and is most commonly used with a 1-1/8" by 5 ft. wooden broom handle (not included).

ORDER NO. 600-10136
Mfr. No. H-6474

3M™ DOODLEBUG™ WHITE CLEANSING PAD

Designed for delicate surfaces and light cleaning jobs.
Great for windows, ceramic tile, etc.
ORDER NO. 600-84400
Mfr. No. F-8440
Size: 4-5/8" x 10"

3M™ DOODLEBUG™ BROWN SCRUB 'N STRIP PAD

A heavy duty pad designed for tough cleaning and stripping jobs.
ORDER NO. 600-85410
Mfr. No. F-8541
Size: 4-5/8" x 10"

3M™ RANDOM ORBITAL SANDER ACCESSORIES

600-20353

600-20356

3M™ Low Profile Disc Pads (FIRM)

ORDER NO.	Mfr. No.	Max RPM/ Max OPM	Diameter	Ctr. Hole Diameter	Thread Size	No. of Holes	Density Rating	Hook Type
600-20353	AB20353	12,000	5" (125 mm)	-	5/16-24 Ext	44	Firm	2
600-20356	AB20356	12,000	6" (152 mm)	-	5/16-24 Ext	52	Firm	2

3M™ Hookit™ Sheet Pads

ORDER NO.	Mfr. No.	Max OPM	Size	Thickness	No. of Holes	Density Rating	Hook Type
600-28531	AB28531	10,000	70 mm x 198 mm	12.7 mm	56	Medium	1

600-28531

3M™ BUFFER

- Powerful lightweight tool primarily intended for use in the automotive aftermarket & ideal for intermittent use on light duty spot sanding and finishing applications
- Pistol grip design allows sanding hard-to-reach areas
- Durable composite body feels good in the hand & has less potential to mar if bumped against the work surface
- Pneumatic 3M™ Pistol Grip Tools are designed with operator comfort in mind & are ideal for intermittent use on non-production spot sanding & finishing applications as well as paint prep & weld burn clean-up.

ORDER NO.	Mfr. No.	PSI	Tool Dia.	Max RPM	Motor HP (W)	Orbit Dia	Air Flow SCFM (LPM)	Noise Level dBA (power)	Weight lbs. (kg)	Length inch (mm)	Height inch (mm)
600-28354	AB28354	90	3" (75 mm)	2,200	0.45 (336)	Rotary	22 (683)	80 (88)	1.8 (0.8)	5 (132)	5 (136)

Note: Air Inlet Thread 1/4" NPT.

3M™ BUFFER ACCESSORIES

3M™ Buffer Backup Pads

ORDER NO.	Mfr. No.	Max RPM/ Max OPM	Diameter	Thread Size	No. of Holes	Density Rating	Hook Type
600-20427	20427	15,000	3" (76 mm)	Several Adapters Provided	6	Medium	1

3M™ FILE BELT SANDER — 0.6 HP

Ideally suited for a variety of metal working applications when using either 3M™ Abrasive belts or Scotch-Brite™ belts. For use with 1/2" x 18" belts.

Benefits:

Grind and blend hard-to-reach areas with power and efficiency

Applications:

Deburring internal diameters, blend corners, deburring edges and contour finishing

Specifications

Airflow Rate:	764 LPM
Dimensions:	14.57"L x 5.95W x 2.93"H
Weight:	2.8 lbs. (1.3 kg.)
Maximum RPM:	22000
Maximum Speed:	49900 foot per minute
Motor HP (W)	.6 (447)
Power Type:	Pneumatic

ORDER NO. 600-28366
Mfr. No. 28366

CUBITRON™ II FILE BELT

Designed to be used for spot weld & hem flange removal as well as grinding in other tight areas. *For use with File Belt Sander #(600-28366).*

ORDER NO.	Mfr. No.	Grade	SizeBelts	Per Box
600-33443	33443	36	1/2" x 18"	10
600-33446	33446	80	1/2" x 18"	10

NEW!

SCOTCH-BRITE™ DURABLE FLEX BELT

Aggressive & long lasting non-woven belt for deburring, finishing, blending, & cleaning. Excellent for portable belt sanders.

For use with File Belt Sander #(600-28366).

ORDER NO.	Mfr. No.	Grade	SizeBelts	Per Box
600-64458	64458	Medium	1/2" x 18"	20
600-64475	64475	Course	1/2" x 18"	20

For more information see: www.3m.com/marine

3M™ SANDERS & ACCESSORIES

ORDER NO.	ORDER NO. 600-28510	ORDER NO. 600-28529	ORDER NO. 600-20324
Mfr. No.	AB28510	AB28529	AB20324
Vacuum Type	**3M™ Elite Series Self-Generated Vacuum Random Orbital Sander**	**3M™ Orbital Elite Series Self-Generated Vacuum**	**3M™ Random Orbital Series Non-Vacuum**
Description	• Precision-balanced steel workings & powerful air driven motors run smoothly with less vibration, ideal for high production industrial environments • Features an alloy steel curved-throttle lever with built-in wrist support. • Recessed level eliminates pinch & pressure points • Improved durability, ergonomics & noise level maximize comfort& control for proloned use • The included sanding disc pad provides excellent dust collection & eliminates the need for a vacuum hose.	• Extended curved wrist support • High performance with less vibration • Recessed lever • Extended cover w/ 3M™ Gripping Material • Thumb wheel mounted speed control • Delivers professional performance for flat finishing & sealer sanding applications. • Designed to help maximize operator comfort with integrated wrist & hand support, reduced vibration, & enhanced safety features. • The included sanding disc pad provides excellent dust collection & eliminates the need for a vacuum hose.	• Non-Vacuum • Precision-balanced steel workings run smoothly with less vibration, ideal for high production industrial environments • Low profile, balanced design for smooth operation • Durable, aluminum body • Multiple grip sizes available for operator comfort
Tool Diameter	6 inch (152 mm)	2-3/4" x 7-3/4" (70 mm x 198 mm)	6 inch (152 mm)
Body Construction	Light Weight Aluminum Body	Light Weight Aluminum Body	Light Weight Aluminum Body
Power	.28 HP (209 W) (Pneumatic)	28 HP (209 W) (Pneumatic)	28 HP (209 W) (Pneumatic)
Orbit Diameter	5/16 inch (8 mm)	1/8" (12.5 mm)	5/16 inch (8 mm)
Maximum RPM	12,000 RPM	10,000 RPM	12,000 RPM
Airflow Rate	17 SCFM (481 LPM)	17 SCFM (481 LPM)	17 SCFM (481 LPM)
Weight	2.04 lbs. (.927 kg)	2.19 lbs. (.996 kg)	1.78 lbs. (.81 kg)
Length	9.64" (245 mm)	10.5" (268 mm)	6.39" (162 mm)
Height	3.64" (92.6 mm)	4.09" (104 mm)	3.26" (82.8 mm)
Includes: One (1) each of the following:	3M™ Clean Sanding Filter Bag, Filter Bag Adapter, Hose Seal	3M™ Clean Sanding Filter Bag, Filter Bag Adapter, Hose Seal	24 mm Pad Wrench #28108, Instruction Manual
Pad Included	Hookit™ Disc Pad - CC No. 600-20356	Hookit™ Disc Pad - CC No. 600-28531	Stikit™ Disc Pad - #20354

ORBITAL / RANDOM ORBITAL SANDER ACCESSORIES

600-28301

600-28302

600-28303

600-20338

600-20452

ORDER NO.	Mfr. No.	Description	Application
600-28301	AB28301	Vacuum Hose, 1" ID x 6 ft.Lgth, 1" EXT Hose Thread	Used to connect Random Orbital/Orbital Sanders to a vacuum system
600-28302	AB28302	Vacuum Hose Adapter, 1" INT Hose Thread	Used to connect 1" EXT vacuum hose to paper vacuum bag & cover bag
600-28303	ABA1434	Vacuum Bag Cover, 20" x 9"	Holds/protects paper vacuum bag inserts
600-20338	AB20338	Vacuum Bag Inserts, Green	Collects dust when using Self-Generating Orbital or Random Orbital Sander. Connects to 1" vacuum hose with adapter (600-28302)
600-20452	AB20452	Large Filter Bag, (10 pk)	Holds up to .5 lbs.

For more information see: www.3m.com/marine

NEW!

ORDER NO. 619-26580
Mfr. No. 26580
(Retail Packaging)

3M™ ACCUSPRAY™ ONE SPRAY GUN SYSTEM WITH PPS™ SERIES 2.0 SPRAY CUP SYSTEM

Complete Kit Includes:
(1) 3M™ Accuspray™ ONE Spray Gun
(5) Accuspray™ Transparent Replaceable Atomizing Heads
(1.2mm, 1.3mm, 1.4mm, 1.8mm, 2.0mm)
(1) Airflow Control Valve,
(10) Colour Identification Clips (2 each of 5 Colours)
(1) PPS™ Standard Size Mixing Cup - 22 oz. (650 ml)
(4) PPS™ Standard Size Lids & Liners with 200 micron filters - 22 oz. (650 ml)
(1) Blue PPS™ Standard Size Lid & Liner with 125 micron filter
(3) PPS™ Sealing Plugs
(1) Quick Start Guide
(1) Owner's Manual

Ultimate Versatility

- Easy cleanup
- Maintenance free
- Fast, simple head replacement affords the performance of a brand new spray gun on demand
- Atomizing heads can be used on any 3M™ Accuspray™ replacement atomizing head spray gun
- Atomizing heads can be used 5 to 10 times and then simply removed and replaced
- Professional results
- Spray gun requires 13 cfm @ 20 psi

Suggested Applications:

- Used for a variety of painting applications including primer, sealer, basecoat and clearcoat

Choose the Preferred Atomizing Head Size for your Application:

Low Viscosity Coatings requiring a fine finish

1.2mm (Blue) - Stains, wood shellac, varnish, polyurethane, waterborne basecoat (hot weather), marine topcoat.

Medium Viscosity Coatings requiring a fine finish

1.3mm (Green) - Nitrocellulose lacquer, waterborne basecoat, solvent basecoat (colour), solvent clearcoat, enamels.

1.4mm (Orange) Primer sealer, single stage top coat, solvent base coat (colour), solvent clearcoat, lacquers, enamels

High Viscosity Coatings

1.8mm - (Clear) Primer surfacer, gelcoat, sprayable fillers, sprayable adhesives

Heavy-Duty Applications

2.0mm - (Red) Primer surfacer, gelcoat, sprayable fillers, sprayable adhesives, undercoats or industrial coatings

ACCUSPRAY™ ONE Spray Gun System w/ 3M™ PPS™ SERIES 2.0 Spray Gun System		
ORDER NO.	Mfr. No.	Description
619-26580	26580	**Accuspray™ ONE** Spray Gun System w/ 3M™ PPS™ Series 2.0 Spray Cup System ***Includes Cups, Lids & Liners - (See description above)*** ***Packaged Display for Retail Selling***
619-26578	26578	**Accuspray™ ONE PRO** Spray Gun System w/ 3M™ PPS™ Series 2.0 Spray Cup System ***NOTE: Cups, Lids & Liners NOT INCLUDED - Boxed Packaging Only***

ORDER NO. 619-26578
Mfr. No. 26578

3M™ ACCUSPRAY™ HGP SPRAY GUN KIT

An HVLP gravity pressured spray gun, to be used with a pressurized H/O cup system to provide superior application of high viscosity coatings.

Pressurized Gravity Feed for High viscosity Coatings

Complete Kit Includes:
(1) HGP Spray Gun, (1) Air Flow Valve
(4) Atomizing Heads – 2 each 1.8mm nozzles & 2 each 2.0mm nozzles

Now you can spray those high viscosity coatings such as gelcoats, bottom paints, extremely heavy bodied primers and adhesives. Virtually any sprayable coating. The innovative 3M™ Accuspray™ System with its replaceable atomizing head, in conjunction with the 3M™ PPS™ Pressure cup allows for the following benefits:

Boosts Productivity
- Lowers application time
- High delivery rates
- Eliminates costly gun maintenance
- Builds mil thickness quickly

Reduces Coating Consumption
- Minimizes overspray
- Reduces coating waste

Maximizes Benefits of the 3M™ PPS™ System
- Reduces spray gun cleaning time
- Uses less solvent for clean up
- Decreases hazardous waste disposal cost

ORDER NO. 619-16587
Mfr. No. 16587

Technical Data	
Weight	11.4
Operating Pressure (Full Trigger)	15 psi max
Operating Pressure (First stage)	25 psi max
Air Consumption	10 cfm

ACCESSORIES FOR ACCUSPRAY™ HGP SPRAY GUN (NEW) - Model #16587

ORDER NO.	Mfr. No.	Description
619-16612	16612	Accuspray™ Atomizing Head Refill Kit - 1.4 mm, (4 Pack)
619-30729	16611	Accuspray™ Atomizing Head Refill Kit - 1.8 mm, (4 Pack)
619-16609	16609	Accuspray™ Atomizing Head Refill Kit - 2.0 mm, (4 Pack)
619-16571	16571	Accuspray™ Fluid Needle
616-16573	16573	Accuspray™ Air Flow Control Valve
616-16121	16121	Mini PPS™ Type H/O Pressure Cup, 6 oz (177 ml)
616-16124	16124	Large PPS™ Type H/O Pressure Cup, 28 oz (828 ml)
619-16114	16114	Mini PPS™ Filters/Lids Liners, Max Cap. 6 fl. oz. (50) each Disposable Lids/Liners, (20) Sealing Plugs 200 Micron)
616-16024	16024	Large PPS™ Filters/Lids Liners, Max Cap. 32 fl. oz. (25) each Disposable Lids/Liners, (10) Sealing Plugs 200 Micron

ACCESSORIES FOR ACCUSPRAY™ HG18 SPRAY GUN (OLD)- Model #16570

ORDER NO.	Mfr. No.	Description
619-30729	16611	Accuspray™ Atomizing Head Refill Kit - 1.8 mm, (4 Pack)
619-16115	16115	Mini PPS™ Cups & Collars, for use with (619-16114)
619-16001	16001	Standard PPS™ Cups & Collars, for use with (619-16000)
619-16114	16114	Mini PPS™ Filters/Lids Liners, Max Cap. 6 fl. oz. (50) each Disposable Lids/Liners, (20) Sealing Plugs Use with (619-16115)
619-16000	16000	Standard PPS™ Filters/Lids Liners, Max Cap. 22 fl. oz. (50) each Disposable Lids/Liners, (20) Sealing Plugs Use with (619-16001)

For more information see: www.3m.com/marine

616-16573

619-26689

NEW!

26000

619-26024

619-26112

ACCESSORIES for Accuspray™ ONE SPRAY GUN SYSTEM w/ PPS™ SERIES 2.0 Spray Cup System		
619-26612	26612	Accuspray™ Atomizing Head Refill Kit - ***1.2 mm, Blue***, (4 Pack)
619-26613	26613	Accuspray™ Atomizing Head Refill Kit - ***1.3 mm, Green***, (4 Pack)
619-26614	26614	Accuspray™ Atomizing Head Refill Kit - ***1.4 mm, Orange***, (4 Pack)
619-26618	26618	Accuspray™ Atomizing Head Refill Kit - ***1.8 mm, Clear***, (4 Pack)
619-26620	26620	Accuspray™ Atomizing Head Refill Kit - ***2.0 mm, Red***, (4 Pack)
616-16573	16573	Accuspray™ Air Flow Control Valve
619-26689	26689	3M™ High Power Spray Gun Cleaner, 15 oz. (426 gram)
619-26000	26000	3M™ PPS™ Series 2.0 **Standard Cup System Kit, 22 fl oz. (650ml)**, 200 micron filter, (50 pack)
619-26024	26024	3M™ PPS™ Series 2.0 **Large Cup System Kit, 28 fl oz. (850ml)**, 200 micron filter, (50 pack)
619-26112	26112	3M™ PPS™ Series 2.0 **Midi Cup System Kit, 13.5 fl oz. (400ml)**, 200 micron filter, (50 pack)
619-26114	26114	3M™ PPS™ Series 2.0 **Mini Cup System Kit, 6.8 fl oz. (200ml),** 200 micron filter, (50 pack)
619-26172	26172	3M™ PPS™ Series 2.0 **Starter Kit, Standard 22 fl. oz. (650 ml), (**6 pack)

619-26114

619-26172

3M™ Perfect-It™ Gelcoat Heavy Cutting Compound

This fast-cutting compound removes heavy oxidation, scratches, and other defects. Use 3M™ Perfect-It™ Gelcoat Heavy Cutting Compound for any P800 and finer scratches. Its improved formula has longer wet times for easier clean up and less dust. Plus, this formula works better in warm climates and allows you to use less material than before.

3M™ Perfect-It™ Gelcoat Heavy Cutting Compound works great on boats, RVs, and industrial gelcoats. While ideal for three-step processes, its high gloss results can be protected with 3M™ Perfect-It™ Boat Wax after compounding for an easy two-step finish.

ORDER NO.	Mfr. No.	Size
600-36101	36101	Pint (16 fl oz.)
600-36102	36102	Quart (32 fl oz.)
600-36103	36103	Gallon (122 fl oz.)

3M™ Perfect-It™ Gelcoat Medium Cutting Compound + Wax (One-Step)

3M™ Perfect-It™ Gelcoat Medium Cutting Compound + Wax combines fast cutting power, a high gloss finish, and durable wax protection. Use this for any P1000 and finer scratches. Its improved formula has longer wet times for easier clean up and less dust, even in warm climates.

3M™ Perfect-It™ Gelcoat Medium Cutting Compound + Wax works great on boats, RVs, and industrial gelcoats. This one-step solution results in a brilliant finish and long-lasting protection for any of your gelcoat surfaces.

ORDER NO.	Mfr. No.	Size
600-36105	36105	Pint (16 fl oz.)
600-36106	36106	Quart (32 fl oz.)
600-36107	36107	Gallon (122 fl oz.)

3M™ Perfect-It™ Gelcoat Light Cutting Polish + Wax (One-Step)*

When a brilliant finish and durable protection are needed for P1500 and finer scratches, 3M™ Perfect-It™ Gelcoat Light Cutting Polish + Wax is the perfect solution for light or dark coloured gelcoat. We've improved the formula with longer wet times offering easier clean up, less dust, and more efficient use, even in warm climates.

Specifically formulated for boats, RVs, and industrial gelcoats, this polish is ideal for one-step processes. Use whenever you want a durable wax finish.

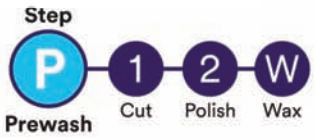
ORDER NO.	Mfr. No.	Size
600-36109	36109	Pint (16 fl oz.)
600-36110	36110	Quart (32 fl oz.)
600-36111	36111	Gallon (122 fl oz.)

For more information see: www.3m.com/marine

When you need a perfect gelcoat finish, you want 3M's best system.

Introducing 3M's newest line of gelcoat products, formulated specifically to make it easier to achieve a perfect gelcoat finish – everytime.
Our increased wet time and less mess brings you incredible results, even in warm climates.
From buffing professionals to vehicle owners, the 3M™ Perfect-It™ Gelcoat Finishing System line of products works great on boats, RV's, and industrial gelcoat surfaces – new and used alike. In addition, these products now include a step-by-step process to help achieve dependable finishes everytime, regardless of one, two, or three step processes. Additionally, the colour-coded bottles allow for easy reference in the shop or on the dock.

3M™ Perfect-It™ Boat Wash



It's vital to start any refinishing project with a clean surface. Our 3M™ Perfect-It™ Boat Wash cleans grime, algae, dirt, and other common marine contaminants from stem to stern. This prep step allows for superior refinishing results, and as a professional concentrate, you only need one ounce per gallon. 3M™ Perfect-It™ Boat Wash high-sudsing formula is also gentle enough to clean without stripping wax.

ORDER NO.	Mfr. No.	Size
600-09034	PN09034	Pint (16 fl oz.)
600-09035	PN09035	Quart (32 fl oz.)

3M™ Perfect-It™ Boat Wax

Refinishing any surface takes effort and your effort deserves long lasting protection. Our 3M™ Perfect-It™ Boat Wax helps keep all sorts of surfaces looking great. It's safe for gelcoat, paint, fiberglass, and metals and has a pleasant tropical scent. The pure wax finish helps protect against the elements. Use 3M™ Perfect-It™ Boat Wax as a final step to any process where a wax finish is recommended.

ORDER NO.	Mfr. No.	Size
600-36112	36112	Pint (16 fl oz.)
600-36113	36113	Quart (32 fl oz.)

For more information see: www.3m.com/marine

STEPS 1, 2 & 3

3M™ PERFECT-IT™ EX RUBBING COMPOUND

Designed to remove scratches (P1200 or finer) with either a 3M™ wool pad or a 3M™ foam compounding pad.
ORDER NO. 600-36060 Mfr. No. 36060
Size: 946 mL

3M™ PERFECT-IT™ EX MACHINE POLISH

Quick & effectively helps remove compound swirl marks, leaving an outstanding finish. The polish has a wetter formulation than the Regular 3M™ Perfect-It™ Machine Polish (#600-06064).
Good handling & easy cleanup.
ORDER NO. 600-06094 Mfr. No. PN06094
Size: 946 mL

3M™ PERFECT-IT™ ULTRAFINE MACHINE POLISH

Eliminates swirl marks and produces high gloss finish. Easy cleanup.
ORDER NO. 600-06068 Mfr. No. 06068
Size: 946 mL

3M™ PERFECT-IT™ GELCOAT COMPOUND + POLISH

3M's new cutting compound plus polish is designed for removing light oxidation and P1000 and finer scratches on gelcoat while offering a finer finish and higher gloss than 3M ™ Perfect-It™ Gelcoat Heavy Cutting Compound. This compound plus polish is designed to be a single step system or be used as a second step to remove swirl marks and give a deeper gloss finish even on darker coloured gelcoats.
ORDER NO. 600-30344
Mfr. No. 30344 **Size: 946 ml**

ORDER NO. 600-30345
Mfr. No. 30345 **Size: 3.78 Litre**

3M™ DRY GUIDE COAT CARTRIDGE & KIT

Dry powder with applicator used to highlight surface imperfections and sand scratches prior to finishing with abrasives. Can be used on marine fillers, primers, paints and gelcoat. Contains no solvents. Kit comes with applicator pad.
ORDER NO. 600-05861 Mfr. No. 05861

50g Cartridge with Applicator Kit. 6 Per Case.

3M™ MARINE HIGH GLOSS GELCOAT COMPOUND

This paste compound is designed to quickly remove P600 dual action or 1000 wet sanding scratches from production gel coat. This compound contains no wax or silicone and leaves a high gloss finish without swirl/wheel marks. It has a unique formulation which reduces slinging while buffing. Best results are obtained when used with a 3M™ Superbuff™ Pad (PN 05700) or 3M™ Hookit™ Compounding Pad **(Order No. 606-05711)** on a slow speed polisher (1500-2500 RPM). **Size: 1 Gallon**

ORDER NO. 606-60251 Mfr. No. 06025

3M™ FINESSE-IT™ MARINE PASTE COMPOUND - WHITE

3M™ Finesse-it™ Marine Paste Compound-White is designed specifically for aggressive compounding of gelcoated fibreglass surfaces. This product is well suited for boat reconditioning of heavily oxidized surfaces/finishes. This product is also well suited for removing P800 sand scratches on production gelcoat and grade 1000 or 1200 sand scratches on tooling gelcoat. White colour reduces the potential for staining of light coloured boats. Has long-working time, requiring less compound to be used per application. **Size: 1 Gallon**
ORDER NO. 606-60390 Mfr. No. 06039

3M™ FINESSE-IT™ II MACHINE POLISH

3M™ Finesse-It™ II Machine Polish is designed for use on OEM and fully cured automotive paints. Can remove grade microfine 1500 sand scratches. Removes swirl marks after compounding while leaving a glazed finish.VOC content less than 17%.
ORDER NO. 606-05928 **Size: 32 fl. oz.**
Mfr. No. 05928

3M™ MARINE SUPER DUTY RUBBING COMPOUND

Designed to give a fast aggressive cut on all refinish and OEM paints. Can be used to remove heavy oxidation, minor orange peel and overspray. Also can be used to remove ultrafine or finer sand scratches. Should be used with an air or electric buffer.
ORDER NO. 601-05954 **Size: Quart**
Mfr. No. 05954
ORDER NO. 601-05955 **Size: Gallon**
Mfr. No. 05955

For more information see: www.3m.com/marine

BONDO-GLASS® FIBREGLASS REINFORCED FILLER

Bondo-Glass is a unique reinforced filler containing short, interlocking fibreglass strands and fibers that make it twice as strong as regular body filler. Repairs small (dime size or smaller) rusted-out metal holes and shattered fibreglass body parts. Works great on boats! Eliminates the need for backing strips, fibreglass resin or cloth on small holes and rusted-out areas. Sandable in only 20 minutes and compatible with all paint systems. Waterproof. Includes Red Cream Hardener.

ORDER NO.	Mfr. No.	Size
600-99272	272C	1.2 kg/1 Qt

BONDO® FIBREGLASS RESIN REPAIR KIT

Bondo® Fibreglass Repair Kits have everything needed for the Do-It-Yourselfer, including easy How-To directions, Fibreglass Resin, Liquid Hardener, Plastic Spreader, Fibreglass Cloth, Mixing Stick and Mixing Tray.

ORDER NO.	Mfr. No.	Size
600-99420	B-00420C	**Kit contains:** 237 ml/8 fl oz Fibreglass Resin 6 ml/0.20 fl oz Liquid Hardener Plastic Spreader, Fibreglass Cloth Mixing Stick, Mixing Tray
600-99422	B-00422C	**Kit contains:** 946 ml/29 fl oz Fibreglass Resin 11 ml/0.37 fl oz Liquid Hardener Plastic Spreader, Fibreglass Mat Mixing Stick, Mixing Tray

BONDO® FIBREGLASS CLOTH - 8 SQ. FEET

Bondo® Fibreglass Cloth is great for repairs on metal, fibreglass, wood and many other surfaces. When used with Bondo® Fibreglass Resin, repairs are 100% waterproof, making the products ideal for boat repair, tub, shower, sink, pool, hot tub and more.

ORDER NO.	Mfr. No.
600-99499	B-00499

3M™ MARINE PREMIUM FILLER

3M™ Marine Premium Filler is a unique vinyl ester formulation designed for marine filling and fairing applications above and below the waterline. 3M™ Marine Premium Filler resists water absorption into hulls, decks and other fibreglass parts. 3M™ Marine Premium Filler is a unique and easy to sand formula designed with 3M™ Scotchlite™ Glass Bubbles.

ORDER NO.	Mfr. No.	Size
604-60061	46006	**Size: 1 Gallon**
604-60050	46005	**Size: 1 Quart**

BONDO® FIBREGLASS RESIN

Bondo® Fibreglass Resin is the same high-strength polyester resin that is used to build most boats. Can be used alone or with fibreglass tape, cloth or mat to repair damaged fibreglass boats, snowmobiles, jet skis, bathtubs and showers. Can also be used as a sealer on damaged and rotted wood. Seals concrete, is great on large or small metal rust-outs and joins most surfaces together while creating a strong and long lasting bond. Sandable in less than 2 hours. Compatible with all paints, including gel coat and marine paints. Waterproof.
Includes Liquid Hardener.

ORDER NO.	Mfr. No.	Size
600-99402	402C	946 ml/1 Qt with Hardener

LIQUID HARDENER

Bondo® Liquid Hardener is for use with Bondo® fibreglass resin and other resins requiring a liquid MEKP hardener.

ORDER NO.	Mfr. No.	Size
600-99912	B-00912C	11 ml (.37 fl oz)

RED CREAM HARDENER

Bondo® Red Cream Hardener is designed to be used with Bondo® Body Fillers and Bondo-Glass. Formulated and packaged under temperature-controlled conditions which assures freshness and maximum performance.

ORDER NO.	Mfr. No.	Size
600-99913	B-00913C	21 g (.75 fl oz)

PLASTIC SPREADERS

Use with body fillers, fiberglass resin, putty, etc. Gives you a smooth finish. Available in 3 sizes: 2-3/4 x 4", 3" x 5-1/4", 3-1/2"x 6-1/4". Reusable

ORDER NO.	Mfr. No.	Description
600-99357	B-00357	Spreader, 3 pack

3M™ HIGH STRENGTH REPAIR FILLER

3M™ High Strength Repair Filler is a unique vinyl ester formulation designed with short strand fibreglass for blister and other semistructural repairs, above and below the waterline. This high performance reinforced filler is designed to reduce water transmission and absorption into repaired areas of fibreglass hulls, decks, and other parts, reducing the possibility of future osmotic blister damage.

ORDER NO.	Mfr. No.	Size
604-60130	46013	**Size: 1 Quart**

For more information see: www.3m.com/marine

3M™ PRECISION MASKING TAPE

Mint green paper masking tape made with a strong yet ultra-thin, ultra-smooth paper backing

- Made with an acrylic adhesive
- Excellent UV resistance
- Delivers sharp, clean and precise paint lines
- Suitable for use with waterborne and solvent paints
- Allows taping over freshly painted surfaces sooner with less chance of imprinting
- Removes easily without tearing or adhesive transfer
- Semi-transparent backing allows the painter better visibility for colour separation

ORDER NO.	Mfr. No.	Size
600-06525	06525	1/4" x 60 yards
600-06526	06526	3/4" x 60 yards
600-06527	06527	1-1/2" x 60 yards

3M™ PERFECT-IT™ SHOW CAR DETAILING CLOTH

The 3M™ Perfect-It™ Show Car Detailing Cloth removes oily or filmy residue including waxes, polishes, glazes and fingerprints, and is ideal for paint, chrome, glass, dashboards, and more. 3M's unique super-soft micro-texture won't scratch or streak delicate surfaces.

ORDER NO. 600-39016 Mfr. No. 39016
Size: 12" x 14"

ORDER NO. 600-06017 Mfr. No. 06017
Size: 12" x 14" - 50 Pack

3M™ SCOTCH™ LONG-MASK™ MASKING TAPE NO. 2090

Scotch™ Long-Mask™ Masking Tape - No. 2090 utilizes a synthetic adhesive system which provides U.V. stability and adhesive transfer resistance up to fourteen days after application. Controlled crepe paper backing makes tape conformable and smooth for use in various paint, varnish masking applications. Bright blue colour makes this tape easily identifiable.

ORDER NO.	Mfr. No.	Size
600-06817	2090-18NC	3/4" x 60 yds.
600-06818	2090-24EC	1" x 60 yds.
600-06819	2090-36EC	1-1/2" x 60 yds.
600-06820	2090-48EC	2" x 60 yds.

3M™ SCOTCH™ FINE LINE TAPE - NO. 218

This specially extruded matte finish green polypropylene tape provides the finest colour line separation available because of its thinness. Stretches easily for smooth curves yet tears easily by hand. Excellent solvent and moisture resistance. Allows taping over freshly cured lacquer, enamel and urethane paint systems sooner with less chance of imprint damage. Not for extended outdoor use.

ORDER NO.	Mfr. No.	Size
600-06300	218-1/8X60-BX	1/8" x 60 yds. Bxd.
600-06301	218-1/4X60-BX	1/4" x 60 yds. Bxd.
600-06302	218-3/8X60-BX	3/8" x 60 yds. Bxd.
600-06303	218-1/2X60-BX	1/2" x 60 yds. Bxd.
600-06305	218-3/4X60-BX	3/4" x 60 yds. Bxd.

3M™ OUTDOOR MASKING & STUCCO TAPE

Size: 1.88 in x 45 yds.
Removes cleanly for up to 90 days.
Construction-grade stucco masking.
Water resistant, offers strong hold
ORDER NO. 600-05959
Mfr. No. 5959-1.88X45

3M™ SCOTCH™ PAINT MASKING TAPE

High performance masking tape that is highly conformable and has a specially formulated adhesive system which offers improved adhesive transfer resistance on rubber mouldings and painted surfaces. Provides outstanding paint lines and a controlled, consistent unwind.

ORDER NO.	Mfr. No.	Size
601-26334	26334	3/4" x 60 yds.
601-26336	26336	1" x 60 yds.
601-26338	26338	1-1/2" x 60 yds.
601-26340	26340	2" x 60 yds.

3M™ AUTOMOTIVE REFINISH MASKING TAPE

3M™ Automotive Refinish Masking Tape is designed to meet today's paint technicians requirements for masking before painting; no adhesive transfer; no edge lifting; waterborne paint system compatible.

ORDER NO.	Mfr. No.	Size
600-06652	06652	3/4" x 60 yds.
600-06654	06654	1-1/2" x 60 yds.
600-06656	06656	2" x 60 yds.

For more information see: www.3m.com/marine

3M™ 165 TEMFLEX™ GENERAL USE VINYL ELECTRICAL TAPE

Good quality, multi-purpose vinyl insulating tape. This tape has great resistance to moisture and varying weather conditions.

- Made of durable PVC
- Flame retardant and helps inhibit the corrosion of electrical conductors
- Compatible with rubber and synthetic splicing compounds
- Min. Temperature Rating: 32˚F/0˚C
- Max. Temperature Rating: 194˚F/90°C
- Thickness: 6 mil

NEW!

ORDER NO.	Mfr. No.	Size	Colour
604-66165-1	165BK4A	3/4" x 60'	Black
604-66165-2	165BL4A	3/4" x 60'	Blue
604-66165-3	165GR4A	3/4" x 60'	Green
604-66165-4	165RD4A	3/4" x 60'	Red
604-66165-5	165WH4A	3/4" x 60'	White
604-66165-6	165YL4A	3/4" x 60'	Yellow

3M™ TARTAN™ CLOTH DUCT TAPE

Tartan™ Silver Duct Tape is designed for general purpose use in bundling, sealing and holding applications.

ORDER NO. 600-06975 Mfr. No. 3939-2X60
Size: 2" x 60 yds.

3M™ VINYL DUCT TAPE NO.3903

A general purpose vinyl duct tape designed for non-critical applications such as sealing, bundling, holding and various miscellaneous applications.

ORDER NO. 600-06984
Mfr. No. 3903-2X50-GRY
Size: 2" x 50 yds. (Grey/Silver)

3M™ OVERSPRAY PROTECTIVE SHEETING

A high density, tear resistant, clear film that is treated on both sides for excellent paint overspray adhesion. Twelve foot film folded to three feet for easy one person application. Sixteen foot width accomodates larger surface areas for more effective overspray protection. Paintable.

ORDER NO. 600-06727 **Size: 12' x 400'**
Mfr. No. 06727
ORDER NO. 600-06728 **Size: 16' x 400'**
Mfr. No. 06728

3M™ SCPM-44X PROTECTIVE TAPE

Low tack, application tape.
Suggested uses:
Non-Skid Surfaces.

ORDER NO. 600-74780
Mfr. No. SCPM-44X-18X100
Size: 18" x 100 yds.

3M™ SELF-STICK LIQUID PROTECTION FABRIC

Lay down a liquid-proof layer of confidence.

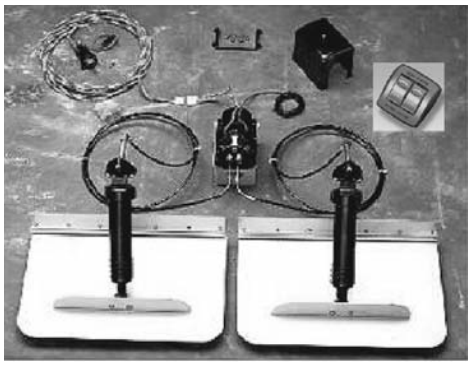
Is engineered for the non-stop demands of industrial environments where protection from water, oil, solvents and other fluids is vital. Will help boost your productivity, reduce maintenance and cleanup time, preserve your workspaces and eliminate re-work on finished surfaces.

- Fast, easy, one-step application
- Clean removal from most surfaces
- Helps provide a cleaner working environment
- Indoor and outdoor application
- ***Colour: Blue***

ORDER NO. 600-36878 Mfr. No. 36878
Size: 14" x 300' ft. Roll

For more information see: www.3m.com/marine

TRIM TABS & SPORT TABS



TRIM TAB SYSTEM WITH EURO-STYLE ROCKER SWITCH CONTROL

Bennett's standard trim tabs include:

- Actuator
- Trim Tabs
- Hydraulic Fittings
- Hydraulic Tubing
- Hydraulic Power Unit
- Wire Harness

ORDER NO.	Mfr. No.	Description
011-01293	129-E	12 x 9 Trim Tab System w/Euro-Style Rocker Switch
011-01893	189-E	18 x 9 Trim Tab System w/Euro-Style Rocker Switch
011-02493	249-E	24 x 9 Trim Tab System w/Euro-Style Rocker Switch

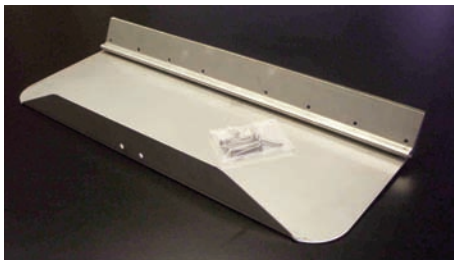
ORDER NO.	Mfr. No.	Description
011-12120	1212	12" x 12" Trim Tab **without** Controls
011-18120	1812	18" x 12" Trim Tab **without** Controls

TRIM PLANE ASSEMBLY (one side)
(#26, #28, #29, #30)

ORDER NO.	SIZE
011-01294	12" x 9"
011-01894	18" x 9"
011-02494	24" x 9"
011-03094	30" x 9"
011-03694	36" x 9"

TRIM PLANE ASSEMBLIES

We cut and bend all tabs and mounting plates. Bennett tabs are not welded because welding creates a condition which invites corrosion. In operation, these strong tabs remain rigid even in the most challenging of situations.



Sport Tab SERIES

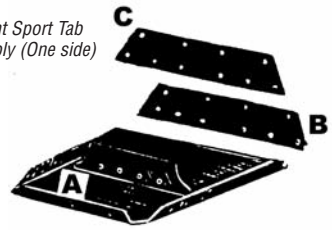
Bennett's M80 and M120 Sport Tabs are ideal for trailering boats in the 17-foot to 23-foot range. Their unique Batwing design provides 30 percent more lift than conventional trim tabs and their space-saving design ensures easy installation on virtually any transom. Trim tab kits include two stainless steel trim tabs, two actuators, a hydraulic power unit, all necessary wiring, tubing, hardware and installation video. Includes Euro-Style Rocker Switch Control.

	TAB SIZE	BOAT SIZE	ORDER NO.
M-80 Sport Tabs	8" x 10"	17-20 ft. Lengths	011-00080
M-120 Sport Tabs	10" x 12"	20-23 ft. Lengths	011-00120

Trim Plane & Mounting Plate for M-80	011-00084
Trim Plane & Mounting Plate for M-120	011-00124
Installation Video	011-00000
Actuator Assembly Short (11-3/4")	011-01200-1

Sport Tabs are the strongest, beefiest Bennetts ever. Designed for moderate performance use around 60 MPH, all three systems feature heavy gauge, reinforced black coated stainless steel trim tabs with heavy duty mounting plates and fasteners.
The ST16 and ST12 Sport Tabs use two actuating cylinders per trim tab. Each kit includes the top-of-the-line Rocker Switch control. Bennett Sport Tabs are designed to meet the performance challenge.

Replacement Sport Tab Plane Assembly (One side)



SPORT TAB ASSEMBLY WITH ROCKER SWITCH CONTROL

ORDER NO.	SIZE	Recommended Boat Size
011-09000	12" x 9"	
011-12000	12" x 12"	BOATS BELOW 25'

SPORT TAB PLANE ASSEMBLY (ONE SIDE) CONTAINS: A+B+C

TAB SIZE (Inches)		ORDER NO.
12 x 12	SPORT TAB	011-12001
12 x 16	SPORT TAB - PORT	011-16001
12 x 16	SPORT TAB - STBD	011-16002

For more information see:
www.bennetttrimtabs.com

HYDRAULIC TUBING

ORDER NO.	Mfr. No.	Description
011-11250-20	T1125-20	Hydraulic Tubing, 20 feet
011-11250-30	T1125-30	Hydraulic Tubing, 30 feet
011-11250-50	T1125-50	Hydraulic Tubing, 50 feet

NEW!

BENNETT Marine
Superior by Design

BOLT Electric Trim Tab Systems

BOLT ELECTRIC - ELECTRIC TRIM TAB SYSTEMS FOR TRAILERED BOATS

Boater's can now enjoy a durable and reliable electric trim tab system designed for 17-28 foot boats.

Bennett leads the way with a brand new electric trim tab system designed to outperform and outlast any electric system on the market. Compared to other electric systems using old technologies designed over twenty years ago, the BOLT Electric combines cutting-edge technology with a robust and water-tight actuator. This new "Superior by Design" technology resolves the issues that older systems have with breaking apart and water intrusion caused by design flaws and marine growth. While it is strongly recommended to use hydraulic trim tabs for most applications, electric trim tab systems are suitable for:

- Trailering boats from 17-28 feet (5-9 m)
- Single actuator use, due to the inability to syncronize two electric actuators on the same tab

Legendary Customer Satisfaction
5 Year NO-HASSLE WARRANTY
U.S. and Canada Only

BOLT Electric Trim Tab Systems Include:

- 12-volt actuators (2) with 6 ft. wire harnesses and waterproof connectors
- Stainless steel trim planes (2) and mounting plates
- 20 ft. or custom length harnesses (2) with waterproof connectors

BOLT Electric Controls (Sold Separately) Include:

- Diagnostics Control box with 3 ft. wire harness and diagnostics
- BOLT Electric Control (with or without LED indicator)

Features At a Glance:

Choose between 3 Control Options

- Wires are concealed and protected through the upper hinge
  – there are no exposed wires to the marine environment
- Robust, water-tight black nylon actuator provides trouble-free operation
- Main seal located high to protect against marine growth & water intrusion failures
- Quieter than any other system on the market – No more scaring the fish away!
- Installation is fast – no need to disassemble parts of the actuator
- 5 Year No-Hassle Warranty (U.S & Canada only)

Upgrade Your Existing Electric Trim Tabs with Bennett's BOLT Electric

- The BOLT Electric is designed to connect to many existing electric trim tab systems

BOLT Rocker Control with Built-in Diagnostics and Automatic Tab Retraction

011-66000

ORDER NO.	Mfr. No.	Description
011-61290*	Bolt129	12" x 9" Bolt Electric Trim Tab System
011-61890*	Bolt189	18" x 9" Bolt Electric Trim Tab System
011-61212*	Bolt1212	12" x 12" Bolt Electric Trim Tab System
011-61812*	Bolt1812	18" x 12" Bolt Electric Trim Tab System"

***All sets are with Standard Transom Mount**

ORDER NO.	Mfr. No.	Description
BOLT - ACTUATORS		
011-62000	BEA2000	Bolt Electric Actuator
011-62100	BEA2100	Upper Hinge Spacer
BOLT - CONTROL & INDICATOR OPTIONS		
011-64000	BRC4000	Euro-Style Rocker Switch Control
CONVERSION KITS		
011-60000	BOLTLKCON	Lenco to Bolt Conversion Kit
011-61000	HYDBOLTCON	Hydraulic to Bolt Conversion Kit

For more information see: www.bennetttrimtabs.com

BENNETT Marine — Superior by Design

TRIM TAB CONTROLS for BOLT ELECTRIC TRIM TAB SYSTEMS

BOLT Electric Trim Tab Systems

INTEGRATED HELM CONTROL - ELECTRIC

Replaces: 011-68000 (BCI8000)

NEW!

ORDER NO.	Mfr. No.
011-90000-E	OBI9000-E

INTEGRATED HELM CONTROL HYDRAULIC

Replaces: 011-50000 (EIC5000)

NEW!

ORDER NO.	Mfr. No.
011-90000-H	OBI9000-H

An attractive & user-friendly, stand-alone helm control without the need for an external control unit. The functionality & "brains" of the control unit are engineered directly into a single, space-saving, & simple-to-install keypad. Reduce bow rise, plane faster, & correct listing.

- Convenient "All Up" and "All Down" buttons
- Trim tab position LEDs always show you where your tabs are
- Auto tab retraction (tabs retract up when the ignition is powered off)
- Easy-to-install single lock nut design
- Compatible with other trim tab system brands
- Backed by Bennett's outstanding customer support

JOYSTICK HELM CONTROL ELECTRIC ONLY

Replaces: 011-66000 (BCIN6000)

NEW!

ORDER NO.	Mfr. No.
011-10000	JOY1000

The joystick helm control acclaimed for it's instinctive & intuitive interface is back—with a sleek redesign! Reduce bow rise, plane faster, & correct listing.

- Easily trim your vessel like a boss!
- Instinctive & intuitive feel & operation
- Backed by Bennett's outstanding customer support
- Connects directly to your actuators with plug-&-play connectors
- Auto tab retraction (tabs retract up when the ignition is powered off)
- Compatible with other trim tab system brands

SLT SELF–LEVELING TAB SYSTEMS

Now you can have the durability of a Bennett Trim Tab System with a simple quick and easy installation. There is nothing to do inside the boat – only the mounting of two actuators and two tabs at the transom. It's an affordable, simple solution for small boats from 10 to 18 feet.

With the SLT, you can plane at lower speeds, improve your hole shot, reduce engine laboring, improve fuel efficiency and eliminate porpoising. The SLT reacts instantly to boat speed and water pressure by adding trim when it's needed. You get a better ride while the SLT does all the work.

011-50010

SLT Kit Includes:

- Two 14-gauge stainless steel trim tab assemblies with Bennett's exclusive interlocking hinge
- Two strong and durable actuators
- All stainless steel hardware – no plastic!
- Features the same quality material used in Bennett Standard Hydraulic Systems
- Bennett's no-hassle 5-year warranty on all components

011-50006

Two Size Options:

SLT6, with 6" x 8" tabs, designed for boats from 10 to 14 feet
SLT10, with 10" x 10" tabs, designed for boats from 14 to 20 feet

ORDER NO.	Mfr. No.	Description
011-50006	SLT6	Self-Level Tab System, 6" x 8"
011-50010	SLT10	Self-Level Tab System, 10" x 10"

AUTOTRIM PRO - All-in-one Trim Tab Control System

Designed for use with either electric OR hydraulic systems, for boats of all sizes. AutoTrim Pro automatically levels the pitch and roll of your boat, adjusting your trim tabs to changes in vessel speed, sea conditions and shifting weight. Enjoy the convenience of riding in auto mode, or shift to full manual mode anytime.

Auto Trim Control:
Easily store 2 favorite automatic running attitudes in memory. See real-time AutoTrim Pro adjustments with LED indication.

Manual Tab Control with Automatic Overide:
Just push anywhere on the bow up or down buttons and you're in full manual command of the trim tabs.

OEM Customizable Response Time:
Configure response time to engine power, hull type, actuator type or trim tab size.

Trim Tab Position Indication:
L.E.D. indicators equipped with adjustable light intensity.

One-Touch Full Up and Full Down Buttons:
Down for hole-shot, up for running in a following sea, or coming into the beach

Automatic Tab Retraction:
Retract trim tabs to full up position when the boat's ignition is switched off, protecting tabs during storage and trailering

Now NEMA Capable!

ORDER NO.	Mfr. No.	Description
011-30000-1HA	AP000A1HA	AutoTrim Pro Classic Hydraulic System
011-30000-1BC	AP000A1BC	AutoTrim Pro Bolt Electric System

For more information see: www.bennetttrimtabs.com

TRIM TAB SWITCH

- Euro style rocker switch
- Water resistant

ORDER NO. 011-10006
Mfr. No. ES2000

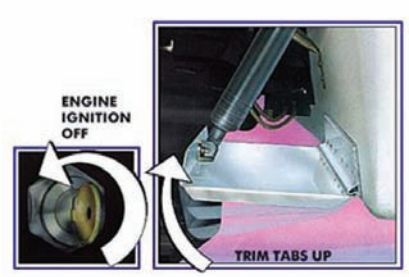
Euro Style Rocker Switch

THE AUTO TAB RETRACTOR

The Bennett ATR automatically retracts the trim tabs when the boat's ignition is turned off. Boaters with trailerable boats experience an added measure of defense from trim to tab damage with the trim tabs "full-up" during hauling, trailering, and storage.

- Reduce the risk of trim tab damage from: Fork lifts, Trailers, Dry storage racks
- Avoid unnecessary marine growth on actuating piston.
- Relieve hydraulic pressure when tabs are not in use.
- Plus...if your boat is not equipped with Bennett Trim Tab indicators, the ATR assures you the trim tabs are all the way up every time you start up.
- Easily installed behind instrument panel.
- Operates Bennett and Boat Leveler systems.

ORDER NO. 011-00512
Mfr. No. AR512



HYDRAULIC POWER UNIT

Durable compact (4" x 7-1/2" x 5-1/2") unit which powers the trim tabs. HPU uses automatic transmission fluid.
Mfr. No. V351HPU1

ORDER NO. 011-00001

ACTUATOR ASSEMBLY

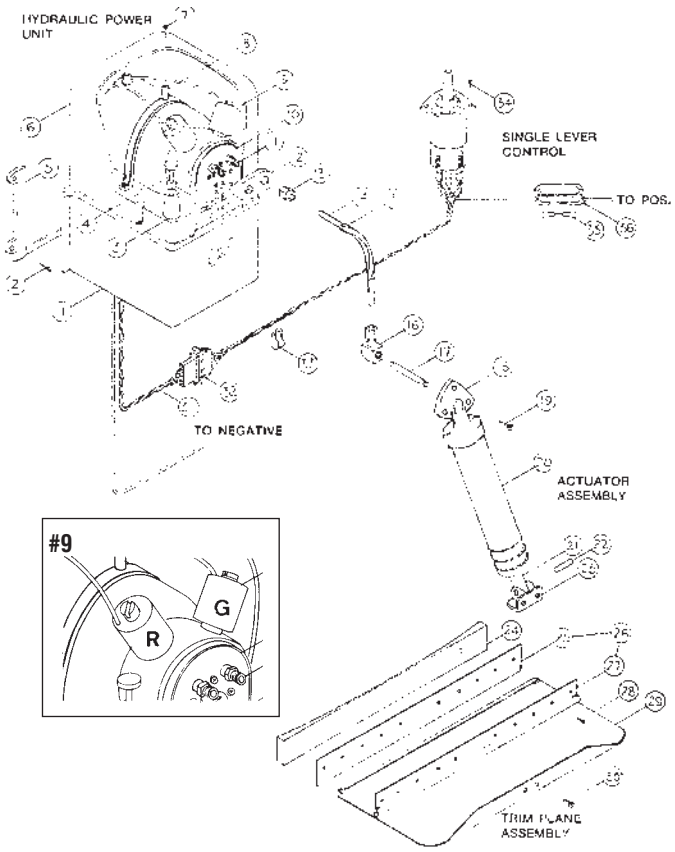
Flexible nylon/fiberglass hydraulic cylinder moves trim tabs into position. The actuator measures approximately 13-1/2" in length.
Mfr. No. A1101A

ORDER NO. 011-11010

REPLACEMENT SENSORS

For replacement on Bennett Trim Indicators
One part number replaces both
Port side (Red Wire) & Starboard side (Green Wire)
ORDER NO. 011-3003PS Mfr. No. CC3003-P

TRIM TAB ACCESSORIES/COMPONENTS



BENNETT Marine
Superior by Design

HYDRAULIC TRIM TABS ACCESSORIES

1. RESERVOIR **ORDER NO. 011-11111**
2. #10 x 1" SCREW
3. FILLER STACK
4. FILLER PLUG **ORDER NO. 011-00004**
5. MOUNTING BRACKET **ORDER NO. 011-00005**
6. LEXAN COVER **ORDER NO. 011-00006**
7. TYPE 25 THREAD CUTTING SCREW
8. MOTOR STRAP **ORDER NO. 011-00008**
9. SOLENOID VALVE **ORDER NO. 011-11352** (Red), **ORDER NO. 011-11351** (Green),
10. PUMP FACE
11. 1/8 PIPE TO 1/4" TUBE
12. HEX RETAINER **ORDER NO. 011-00012**
13. NUT w/FERRULE **ORDER NO. 011-00013**
14. HYDRAULIC TUBING **ORDER NO. 011-11250** (Per foot-**WSL**)
    NEW! **ORDER NO. 011-11250-20** (20 ft.)
    ORDER NO. 011-11250-30 (30 ft.)
    ORDER NO. 011-11250-50 (50 ft)
15. TUBE BEND CLIP **ORDER NO. 011-00015**
16. FEMALE ELBOW **ORDER NO. 011-00016**
17. BRASS PIPE NIPPLE **ORDER NO. 011-00017**
18. UPPER HINGE **ORDER NO. 011-00018**
19. #14 x 1-1/2" SCREW
20. CYLINDER **ORDER NO. 011-11010**
21. PISTON
22. PIN **ORDER NO. 011-00022**
23. LOWER HINGE . **ORDER NO. 011-00023**
24. WOODEN SHIM, AS REQUIRED (NOT INCLUDED IN SET)
25. BACKING PLATE
26. MOUNTING PLATES
27. HINGE PLATE
28. #10 x 1-1/4" SCREW **ORDER NO. 011-00028**
29. TRIM PLANE *See Catalogue Page 1000*
30. 1/4 - 20 x 3/4" MACHINE SCREW
31. WIRE HARNESS STANDARD (LED DOWN CHANNEL IN BACK OF RESERVOIR) **ORDER NO. 011-10004**
32. PLUG
33. NYLON HANGER
34. #4 x 1/2" SCREW
35. 20-AMP FUSE
36. FUSE HOLDER

COMMON REPLACEMENT PARTS

HARDWARE PACK

ORDER NO.	Mfr. No.
011-01170-1	H1170A

2ND HARDWARE PACK FOR DUAL ACTUATORS

ORDER NO.	Mfr. No.
011-01170-2	H1170B

EIC UPPER HINGE w/ SENSOR & 10' GREY SENSOR CABLE

PORT & STARBOARD NEW!

ORDER NO.	Mfr. No.
011-00901PS	EIC901P

Replaces both (Port) 011-00901-1 & (Starboard) 011-00901-2

HARDWARE / MISC. SMALL PARTS

4" BRASS PIPE NIPPLE

ORDER NO.	Mfr. No.
011-01171-4	H1171-4

#14 X 1-1/2 FULL THREAD SCREW

ORDER NO.	Mfr. No.
011-01174	H1174

1/4 - 20 X 3/4 MACHINE SCREW

ORDER NO.	Mfr. No.
011-01175	H1175

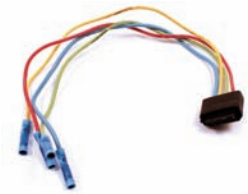
BRASS LINE T

ORDER NO.	Mfr. No.
011-01126	T1126

1/8 PIPE TO 1/4 TUBE CONNECTOR

ORDER NO.	Mfr. No.
011-01146	VP1146

PIGTAIL FOR WIRE HARNESS



ORDER NO.	Mfr. No.
011-00109	PT109

PIGTAIL FOR HPU

ORDER NO.	Mfr. No.
011-00110	PT110

EIC PIGTAIL - PORT

ORDER NO.	Mfr. No.
011-00950-1	PT950P

EIC PIGTAIL - STARBOARD

ORDER NO.	Mfr. No.
011-00950-2	PT950S

VALVE SEAT w/O-RING

ORDER NO.	Mfr. No.
011-01159	VP1159

HPU VALVE SPRING

ORDER NO.	Mfr. No.
011-01160	VP1160

HPU VALVE PLUNGER

ORDER NO.	Mfr. No.
011-01161	VP1161

ACTUATOR UH O-RING 224

ORDER NO.	Mfr. No.
011-01120	A1120

ACTUATOR PISTON O-RING 220

ORDER NO.	Mfr. No.
011-01121	A1121

For more information see: www.bennetttrimtabs.com

DOMETIC STANDARD ELECTRIC TRIM TAB SYSTEMS

DOMETIC OUTDOOR

KITS: Include (2) 2.25" Standard Actuators, Controller, Harness, & Standard Tabs

Premium performance & appearance trim tab system.

All-electric design reduces complexity & provides reliability.

- **Intuitive Dial Controller** with one touch activation Dometic's dial control allows you to level the boat & program favourite positions.
- **Robust Two Piece Actuator** Dometic's rigorously tested actuators provide fewer points for water ingress, free wheeling ball screw technology, & protected shaft seals. High load capacity electric actuator for maximum lift force & precise tab positioning
- **Stainless Steel Tabs** Utilizes 316 marine grade stainless steel hardware 304, 12GA stainless steel tabs, with a 14GA hinge & 0.25" hinge pin durability

ORDER NO.	Mfr. No.	Description
945-31310	STT3131R	12" X 9" Trim Tab System
945-31330	STT3133R	12" X 12" Trim Tab System
945-36010	STT3601R	Actuator & Control Kit- (2) Standard Actuators, Controller & Harness ONLY

NEW!

For more information see: www.dometic.com

ELECTRIC TRIM TABS

STANDARD MOUNT TRIM TAB KITS - 12-VOLT

The most popular series. Ideal for most common style boats from center console fishing boats to cuddy cabin cruisers. Blades are constructed of 12 gauge (2.7mm) laser cut 304 stainless steel with 5/8" (1.6 cm) flared trailing edge & 1/8" (3.2 mm) diameter hinge pin. Upper & lower high impact corrosion proof mounting brackets with mechanical cable gland seal.

NEW!

& IMPROVED

Kits Include:
(2) 12-Gauge stainless steel standard finish blades
(2) Actuator with 6' leads and Deutsch connectors (Order #288-15054)
(2) 20' Actuator extension wiring harness (Order # 288-30133)
(2) Upper mounting bracket with gland seal (Order # 288-15085)
(2) Lower mounting bracket (Order # 288-50014
Lenco's owner's/installation manual
Stainless steel mounting hardware
* Sold in Retail Box
* Switch kits sold separately

288-15000-1

ORDER NO.	Mfr. No.	Boat Length	L" x W"	Hinge Height	Min. Transom Height
288-15000-1	15000-101*	14' - 18'	9" x 9"	2"	14"
288-15001-1	15001-101*	16' - 25'	9" x 12"	2"	14"
288-15002-1	15002-101	22' - 30'	9" x 18"	2"	14"
288-15003-1	15003-101	26' - 40'	9" x 24"	1"	14"
288-15004-1	15004-101	30' - 50'	9" x 30"	1"	14"
288-15005-1	15005-101	34' - 65'	9" x 36"	1"	14"
288-15007-1	15007-101*	17' - 30'	12" x 12"	2"	14"

EDGE MOUNT TRIM TAB KITS - 12-VOLT

Designed for boat applications where lower actuator mounting height is desirable. Fast response electric actuators for precise control. Fully submersible. All Plug & Play Deutsch connections. Blades are constructed of 12-gauge (2.7 mm) laser cut 304 stainless steel with 1" (2.5 cm) turned up edges & a 5 degree taper on both sides to the trailing edge, & 1/8" (3.2 mm) diameter hinge pin. Actuator mounts at the trailing edge of the blade giving it a 1/2" (1.3 cm) lower mounting height on 9" (22.9 cm) long blades & 3" (7.6 cm) lower mounting height on 12" (30.5 cm) long blades. All edges are turned up for added strength & style. Upper & lower high impact corrosion proof mounting brackets with mechanical cable gland seal.

Kits Include:
(2) 12-Gauge stainless steel standard finish blades
(2) Actuator with 6' leads and Deutsch connectors (Order #288-15054)
(2) 20' Actuator extension wiring harness (Order # 288-30133)
(2) Upper mounting bracket with gland seal (Order # 288-15085)
(2) Lower mounting bracket (Order # 288-50014
Lenco's owner's/installation manual
Stainless steel mounting hardware
* Sold in Retail Box * Switch kits sold separately

288-15016-1

NEW!

& IMPROVED

ORDER NO.	Mfr. No.	Boat Length	L" x W"	Hinge Height	Min. Transom Height
288-15015-1	15015-101*	14' - 18'	12" x 9"	2"	11"
288-15016-1	15016-101*	17' - 30'	12" x 12"	2"	11"

For more information see:
www.lencomarine.com

STANDARD PERFORMANCE TRIM TAB KITS - 12-VOLT

Designed specifically for performance. This system comes equipped with a thicker reinforced hinge & complemented with an electro-polished finish for added quality & protection. Blades are constructed of electro-polished 12 gauge (2.7mm) laser cut 304 stainless steel with 1" (2.5 cm) turned up edges & a 5 degree taper on the inside, heavy duty hinge with 1/4" (6.4 mm) diameter hinge pin.
Upper & lower high impact corrosion proof mounting brackets with mechanical cable gland seal.

Each kit contains:
(2) 12-Gauge stainless steel electro-polished blades
(2) Actuator with 6' leads and Deutsch connectors (Order #288-15054)
(2) 20' Actuator extension wiring harness (Order # 288-30133)
(2) Upper mounting bracket with gland seal (Order # 288-15085)
(2) Lower mounting bracket (Order # 288-50014
Lenco's owner's/installation manual & Stainless steel mounting hardware
* Switch kits sold separately

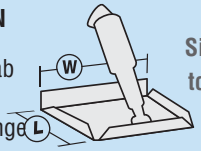
NEW!

& IMPROVED

288-15035-1

SIZE DESCRIPTION

L = Length of Tab
W = Width of Hinge



Size description to be used with all charts

ORDER NO.	Mfr. No.	Boat Length	L" x W"	Hinge Height	Min. Transom Height
288-15034-1	15034-101	13' - 20'	9" x 9"	2"	13.5"
288-15035-1	15035-101	16' - 26'	9" x 12"	2"	13.5"

COMPLETE STANDARD ELECTRIC TRIM TAB KIT - 12 VOLT

NEW! & IMPROVED

Everything you need in one box! The Standard trim tab with the added benefit of having the double rocker switch & power connector all included. Blades are constructed of 12 gauge (2.7mm) laser cut 304 stainless steel with 5/8" (1.6 cm) flared trailing edge & 1/8" (3.2 mm) diameter hinge pin. Upper & lower high impact corrosion proof mounting brackets with mechanical cable gland seal. Switch included.

Each kit contains:

(1) Switch kit included - Double Rocker Switch (Order #288-10220)
(2) 12-Gauge stainless steel standard finish blades
(2) Actuator with 6' leads and Deutsch connectors (Order #288-15054)
(2) 20' Actuator extension wiring harness (Order # 288-30133)
(2) Upper mounting bracket with gland seal (Order # 288-15085)
(2) Lower mounting bracket (Order # 288-50014
Lenco's owner's/installation manual
Stainless steel mounting hardware
* Sold in Retail Box

ORDER NO.	Mfr. No.	Boat Length	L" x W"	Hinge Height	Min. Transom Height	Double Rocker Switch
288-15101-1	15101-104*	16' - 25'	9" x 12"	2"	14"	Included

AUTO GLIDE™ BOAT LEVELING SYSTEM AFTERMARKET KITS

The World's Leading Boat Leveling Trim Tab System

A Real Automatic Boat Control / Trim Tab Control System that actually works – completely & automatically! The Auto Glide system controls your trim tabs from the time you leave your dock until you come home again! The Auto Glide uses engine data and GPS data (depending on your installation method) to drive your boat to the most efficient running angle by adjusting your Lenco trim tabs as needed.
The Lenco Glide System will work on ALL boats with ALL engines. GPS data is used to provide data to the control box. Optional connection to NMEA 2000 is included.

- Boat must be equipped with Lenco Electric Trim Tabs
- Simple all in one solid state design
- Minimizes bow rise on take off
- Adjusts to changing sea conditions automatically
- Automatically trims boat to the most fuel efficient position
- Cuts planing time in half
- Manual override at the touch of a button
- Reads SmartCraft NMEA 2000 & J1939 data

Kit Description

- 12 & 24 volt compatible
- Fast & easy installation
- All plug & play connections
- All waterproof, solid state components (Key pad with waterproof connector) (control box with waterproof mating connector)
- Quick response
- Built-in retractor for trim tabs except while in manual mode
- Dual station installations available

For Single Actuator Trim System

ORDER NO.	Mfr. No.	Description
288-15500	15500-101	Kit **includes** GPS Antenna or Network
288-15504	15504-101	Kit **without** GPS Antenna or Network

SPECIAL ORDER ONLY

For more information see: www.lencomarine.com

GENUINE LENCO REPLACEMENT PARTS & ACCESSORIES

NEW! & IMPROVED

NEW! & IMPROVED

Replacement Actuators are packaged with Deutsch connectors & all stainless steel mounting hardware. The entire Lenco actuator is fully submersible, maintenance-free & sealed.

101 STANDARD ACTUATOR - 12 VOLT

2-1/4" stroke (5.715 cm)
Overall length tip to tip = 12-1/2"
The 101 Actuator is used in all Standard, Edge Mount & Standard Performance kits.

ORDER NO.	Mfr. No.
288-15054-1	15054-001

5-16" mounting hardware with 6' cable.

101 XD ACTUATOR 12 VOLT

2-1/4" stroke (5.715 cm)
Overall length tip to tip = 11-3/8"
The 101 XD Actuator is used mostly with HD, XD, High Performance & Super Strong tabs.

ORDER NO.	Mfr. No.
288-15055-1	15055-001

5-16" mounting hardware with 6' cable.

ORDER NO.	Mfr. No.
288-15056-1	15056-001

3/8" mounting hardware with 6' cable.

101 XDS (SHORT) ACTUATOR 12 VOLT

2-1/4" stroke (5.715 cm)
Overall length tip to tip = 10-7/8"
The 101 XDS Actuator is used with OEM specific kits & limited space applications. It is the shortest actuator Lenco manufacture.

ORDER NO.	Mfr. No.
288-15057-1	15057-001

5-16" mounting hardware with 6' cable.

Lenco electric actuators replace Bennett 4-ring actuators.
All Lenco products are CE certified.

DOUBLE ROCKER SWITCH KIT
SINGLE ACTUATOR SYSTEMS
12 VOLT

Without built-in retractor feature for single actuator systems.

- For standard trim tabs, standard & HD Performance Tabs (Single Actuator Versions)
- With 36" power pigtail
- Installation hardware included
- Clam shell packaged

ORDER NO.	Mfr. No.
288-10220	10222-211D

BENNETT HYDRAULIC - TO - LENCO ELECTRIC
CONVERSION & PERFORMANCE UPGRADE KIT
12 VOLT

This simple conversion & performance upgrade kit includes everything necessary to upgrade your current boat without any drilling or filling of holes.

- Upgrade to instant response electric actuators
- Improve boat performance
- Eliminate messy hydraulic pump unit
- Use your existing Bennett trim blades
- No new holes to drill
- Retrofits other hydraulic systems with minor modifications

ORDER NO.	Mfr. No.
288-15064-1	15064-001

LENCO

LED INDICATOR INTEGRATED TACTILE SWITCH KIT ALL-IN-ONE

NO MORE EXTERNAL CONTROL BOX

- Simple, quick, Plug & play - Deutsch Connectors
- With Built-in Automatic Retractor
- LED indicator switches have backlit key pads with a photo eye that self-adjusts for optimum viewing in low light conditions
- Includes Pigtail for **SINGLE** Actuator Systems
- Helps to free up space behind console
- Design shortens installation process

ATTENTION: REPLACEMENT KEY PADS & CONTROL BOXES FOR 2016 & PRIOR SWITCHES ARE NOT COMPATIBLE WITH THE NEW 15170-001 INTEGRATED SWITCH KITS.

Lenco # 15170-001

ORDER NO. 288-15170

GENUINE LENCO REPLACEMENT PARTS & ACCESSORIES

UNIVERSAL ACTUATOR MOUNTING BRACKET REPLACEMENT KIT (for 1 Actuator)

Includes all stainless steel hardware and Delrin pin.

Kit Includes:

Upper Mounting Bracket w/Gland Seal (Mfr. No. 15085-001)-**New Style**
Upper Mounting Bracket w/Gland Seal (Mfr. No. 50015-001)-**Old Style**
Lower Mounting Bracket (Mfr. No. 50014-001)

ORDER NO.	Mfr. No.
288-15099	15099-001

STANDARD UPPER MOUNTING BRACKET with GLAND SEAL

Vandar (3 screw holes, 1 wire hole)
Previous through 2007 - **Old Style**
Clam shell packaged

ORDER NO.	Mfr. No.
288-50015	50015-001D

STANDARD LOWER MOUNTING BRACKET VANDAR (3 SCREW HOLES)

Clam shell packaged.

ORDER NO.	Mfr. No.
288-50014	50014-001D

UPPER MOUNTING BRACKET with GLAND SEAL

Vandar (3 screw holes, 1 wire hole)
2008 through Current - **New Style**
Clam shell packaged.

ORDER NO.	Mfr. No.
288-15085	15085-001

DELRIN MOUNTING PIN

For 101 & 102 Actuators (1.5").
(Pack of 2)

ORDER NO.	Mfr. No.
288-15087	15087-001

DEUTSCH CONNECTED ACTUATOR EXTENSION HARNESS'

20 foot, 14 AWG
Clamshell Packaged'
ABYC Compliant.
(Sold individually) - One needed per actuator

ORDER NO.	Mfr. No.
288-30133	30133-103D

TURNING POINT® PROPELLERS

Industry Leading Manufacturer of Aluminum and Stainless Steel Pleasure Boat Propellers

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Who Is Turning Point Propellers

- One of the worlds largest propeller manufacturers. We own and operate our own aluminum and stainless steel foundries. From ingot to warehouse, we control 100% of the process.
- United States Corporation with warehouses in Jacksonville, FL and Chicago, IL.
- Design our propellers in Jacksonville, Florida. With a southeastern location we benefit from year round testing facilities that give us the ability to bring new product to market faster than our competition.
- We focus on engineering high performance propellers. We have new tools, the latest metal forming technology, and unbeatable aggressive designs.

The Only Part That Moves The Boat

- The Propeller is the link between the propulsive force of the boat, engine, and media that the boat is moving through.
- Like the tires on your car, the prop transmits power to motion.
- A new boat comes with a prop from the lowest bidder or captive factory, like the tires on your car. A factory prop is a "Firestone".
- Turning Point makes "Pirelli's". High performance products that will allow the boater to experience a performance envelop never seen on their boat before.

There is no item sold in the Marine Industry as cost effective as a propeller to increase the performance of any boat.

What Propellers Does Turning Point Manufacturer?

- 3 and 4 blade designs. Aluminum and Stainless Steel.
- 2 piece - Prop Housings and Installation/Hub Kits available for the full range of 6-300+hp Outboards and Sterndrive applications.
- Propellers available for: Coleman® Evinrude® Honda® Johnson® Mariner® Mercury® MerCruiser® Nissan® OMC® Parsun® Suzuki® Tohatsu® Volvo Penta® and Yamaha® outboard and sterndrive applications.

Turning Point Propellers Features and Benefits

Vented Propellers for 40-300+hp Engines (17+ Pitch Props 4.75" & 4.25" Gearcases)

- Hustler Aluminum & Express Stainless Steel Housings Have Vented Barrels for Fast Hole Shot/Low End Acceleration.
- Turning Point is still the only manufacture using this race proven technique in aluminum props.
- Wake-Boarders & water skiers get up out of the water faster!

Large Exhaust Pathways for 8-300+hp Engines (Hustler & Express Prop Series)

- Turning Point's Props have massive exhaust flow pathways.
- 40% more exhaust flow area VS rubber hub propellers with restrictive exhaust flow path.
- More exhaust flow and less back pressure can generate more horsepower.
- Like headers for your boat.

For more information see:
www.turningpointpropellers.com

TURNING POINT PROPELLERS

11762 Marco Beach Drive STE. 2
Jacksonville, FL 32224
United States

Office Hours: 9am-5pm ET M-F
Phone: +1 904-900-7739
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Press (2) for Purchase Orders & Accounting
Press (3) for Internet, Prop Wizard, & Graphics
Press (4) for Sales, Marketing, & Training

Email:sales@turningpointpropellers.com
Web: www.turningpointpropellers.com

PROPELLER BRANDS

Aluminum Props
6-300+hp

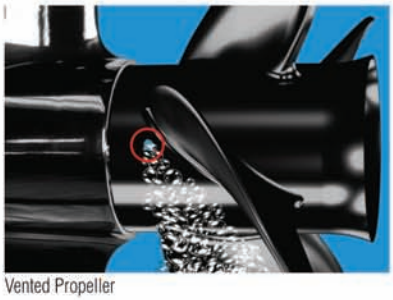
HUSTLER ALUMINUM PROPELLERS
3 & 4 Blade

Stainless Steel Props
20-300+hp (includes 9.9-15 Biggoot)

MACH3 EXPRESS STAINLESS STEEL PROPELLERS
3 Blade

MACH4 EXPRESS STAINLESS STEEL PROPELLERS
4 Blade

MACH3 EXPRESS OS STAINLESS STEEL PROPELLERS
3 Blade


Vented Propeller

Example of Headers

Turning Point Propellers Features and Benefits (Con't)

Premium ULTRACOAT Powder Coat (Hustler Prop Series)

- Exclusive to Turning Point, the Ultracoat powder coat rivals a fine automotive finish, and is more durable than paint.
- Utilizing a state-of-the-art five step process, Ultracoat gives the propeller a shiny, uniform appearance that enhances any boat's good looks.
- This is the Gold Standard in aluminum corrosion protection. Props look newer longer! Compared to competitors' 4 step paint and coating processes that result in much less abrasion and corrosion resistance.

24 Hour Slurry Test: 600% More Wear! Competitor's Process

24 Hour Slurry Test: Minimal Wear! TP Exclusive Process

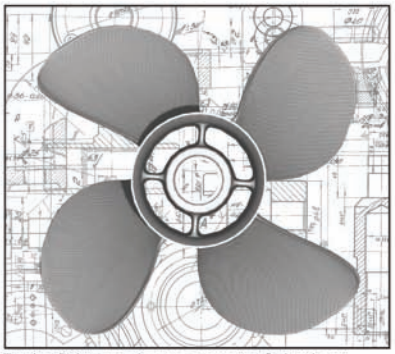
How Does Turning Point Design Industry Leading Performance Props?

When Turning Point designs a new prop for a given category, they identify the best performing OEM and Aftermarket stainless steel props in the market that fits into that category. A better aluminum & stainless steel version is designed at the same time using the same geometry & drawing. Through testing, Turning Point's engineers modify the design until it performs better than the best competitive Stainless Steel prop.

Turning Point Hustler aluminum props function just like Express stainless steel designs and run within 0.5MPH to 1MPH of each other most of the time. There are many reasons for this:

- Hustler props are produced from the same stainless steel geometry & drawing.
- Hustler is cast using the latest state-of-the-art squeeze casting technologies.

The competition does NOT use stainless steel blade geometry with no-blade-flex squeeze cast technology in their aluminum propellers. Competitive Die-Cast aluminum propellers significantly under perform when compared to stainless steel designs seen in the market.


Turning Point uses the same geometry & drawing to produce a version in aluminum and in stainless steel. Aluminum propellers end up functioning just like Stainless Steel.

Hustler Aluminum Squeeze Cast Blades Have No Blade Flex

Turning Point's Hustler aluminum Squeeze Cast blades have No Blade Flex, and use stainless steel geometry which results in stainless steel performance.

<u>TURNING POINT SQUEEZE CAST TECHNOLOGY:</u>

- Strongest blades, no voids, fine grain, and easily repaired.
- Squeeze casting like plastic injection molding: best method for aluminum casting produces the highest strength aluminum props available.
- Hustler Squeeze Cast aluminum propellers utilize class leading designs previously only used on stainless props for maximum performance.
- Squeeze Cast blades have No Blade Flex – Turning Point uses stainless steel drawings/ geometry which results in stainless steel performance.

<u>COMPETITIVE DIE-CAST TECHNOLOGY:</u>

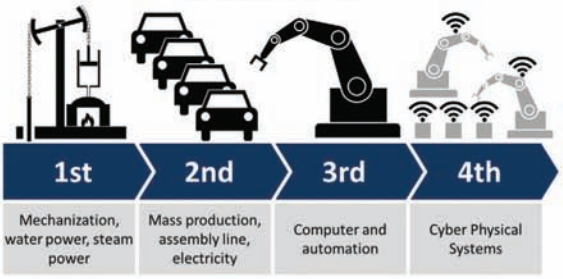
- Air bubbles, voids, and granularity. Blades that are weak, lack of strength and stiffness.
- Blades Flex under load, inefficient, loss of propulsive efficiency.
- Propellers that are difficult to repair.

Turning Point Squeeze Cast Blade

Competitive Die-Cast Blade

A Turning Point In Stainless Steel Prop Manufacturing

- Proprietary TP17™ Stainless Steel has over 20% more chromium than most of the competition for improved finish and corrosion resistance.
- Current State-of-the-Art casting technology with Turning Point's leading edge designs results in the Express Mach3, Express Mach3 OS, and Express Mach4 propellers.
- INDUSTRY 4.0 Manufacturing



For more information see: www.turningpointpropellers.com

Highlighted Examples of Turning Point's Unmatched Propeller Geometry and Propping Tips

4 Blades That Re-wrote the Rules (Hustler 4 Blade and Express Mach4, 40-300+hp)

The props that put the "four" in Perfourmance! These props re-wrote the rules, proving that you can run a four blade that has:

- Unprecedented hole shot, lift, handling, ease of steering, and rough water stability.
- No top-end speed loss you experience with other manufacturers' 4 blade propellers – keeps 3 blade top end speed.
- Lifts the entire boat higher out of the water.

By lifting the hull higher, boats tend to lose less speed when fully loaded versus a three blade prop. With a lightly loaded boat, a three blade is usually the faster prop for most applications. Alternatively when an application is loaded down with extra people and gear, a three bladed prop can lose up to 3 MPH. This is because the hull is forced deeper into the water causing more wetted surface by the added weight. By lifting the hull higher the Turning Point 4 blade when fully loaded does not lose the top end speed compared to a three blade propeller.

40-150hp w/ 4.25" Gearcase Applications: use Turning Point's state-of-the-art Swept Cleaver design (all 4 blades are the same).

150-300+hp w/ 4.75" Gearcase Applications: use Turning Point's Dual Geometry design that is uniquely engineered with two blade geometries:

- Two blades utilize a round ear high performance variable rake and aggressive pitch design for incredible bow lift, hole shot, and cornering.
- Two blades utilize a semi cleaver offshore style design for high speed and maximum stern lift.

Big Blades For Big Horsepower - Express Mach3 OS (150-300+hp)

- Improved cup, leading / trailing edges, aggressive progressive rake, and blade geometry.
- New design modifications produced a prop with excellent hole shot, impressive bow lift and class leading cornering.
- The Express Mach3 OS is perfectly matched to large horsepower bay boats, offshore center consoles and high horsepower tri-toons.
- Large diameter three blade props offer great mid-range fuel economy in most applications.
- Available pitch options: 11, 13, 15, 17, 19, 21, 23, 25, & 27 in Left & Right Rotation.

Why Upgrade To A Tuning Point Stainless Steel Propeller?

- Stainless steel propellers are much more durable compared to aluminum.
- Substantial better performance over competitive aluminum propellers. (Minimal performance difference, around 0.5-1mph speed gain over TP Aluminum Propeller Designs.)
- Large 15.6 diameter 3 Blade Express Mach3 OS only offered in Stainless Steel.
- Expect better performance over competitive OEM and Aftermarket Stainless Steel propellers.

What's The Difference Between A (3) Blade and (4) Blade Prop?

- A three blade prop gives high top end speed and good bow lift. Pontoons, boats with good power to weight ratios, light front ends run best with 3 blades.
- A four blade prop gives great hole shot (acceleration) and stern lift. Perfect for watersports and heavy/underpowered boats.
- A 4 blade prop will hold top speed longer than a 3 blade prop as you add weight (load) to a boat.

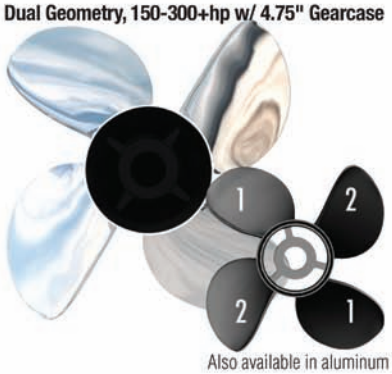
Generic Propping of Pontoon Boats

- More times than not use a three blade, unless the pontoon is under powered.
- Use large diameter Express Mach3 OS (OS) on High Horsepower Tri-Toons (200+hp).

Swept Cleaver, 40-150hp w/ 4.25" Gearcase

Also available in aluminum

Dual Geometry, 150-300+hp w/ 4.75" Gearcase



Also available in aluminum

Available in Stainless Steel Only

For more information see: www.turningpointpropellers.com

A Full Range of MasterGuard & MasterTorq Installation/Hub Kits Available for 6-300+hp Applications

Hub Kits Currently In The Market

Competitive Hubs Currently In The Market (Not TP Hubs)

Competitive Hub Kit Observations

- Some Competitor Hubs are made of Aluminum Anodized to confuse the boater into thinking it is brass. Aluminum splines become an anode in many conditions and may corrode.
- Soft Rubber Shears easily, can spin and leave the boater stranded like a rubber hub prop. Rubber covering is as thin as .035", Or 6 Sheets of Paper!
- Competitors Two Piece Hub Systems corrode, have corner breakout shift-shock damage, spin out, body failure in aluminum propellers, plastic splines.

Turning Point Installation/Hub Kit Features and Benefits

MASTERGUARD HUB SYSTEM

The Last Hub You Will Have To Buy • Engineered To Not Let You Down

- MasterGuard Installation/Hub Kits carry the only Lifetime* Warranty in the WORLD!
- MasterGuard Hubs have no* warranty restrictions, except for extreme commercial use.
- Saves a boater up to 33% on replacement propeller purchases (need to purchase prop housing only).
- One piece design: durable marine Bronze with Over Molded Glass Filled Nylon for Long Life.
- Re-useable after a Prop Strike.
- Warranted even if the prop is Destroyed!
- Enhanced lower unit protection.
- Warranted even if used in competitive propeller housings (Mercury, Michigan Wheel, Solas)

*Note: Lifetime Warranty on 500 & 700 Series Hubs Apply To Non-Commercial Use Only, for terms & conditions visit http://tpprops.com/warranty

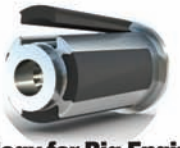
MASTERGUARD HUB SYSTEM

500 Series Installation Kit
Lifetime Warranty On
Engines < 200hp w/ AL & SS Props
Engines >= 200hp /w AL Props Only

SUPER DUTY MASTERGUARD HUB SYSTEM

700 Series Installation Kit
Lifetime Warranty On
Engines >= 200hp w/ SS Props

MASTERTORQ Fat Shaft Hub FSH



NEW Hub System NEW Technology for Big Engines with Big Prop Shafts

- For Mercury® Applications with 1.25" Prop Shafts
- 150-400+hp with 4.75-5.44" Gearcases Running Stainless Steel Props
- New extreme duty design and fit. 1 year material and workmanship warranty
- Can last a lifetime with low-cost replaceable cushioned material inserts.
- A more cost-effective solution vs OEM options currently in the market.
- Easy to install by hand, no hub press machine needed.

NEW

MASTERTORQ Fat Shaft Hub FSH

600 Series Installation Kit
1 Year Warranty On
Mercury Engines w/ 1.25" Prop Shafts

MASTERTORQ Sound Dampening Hub SDH

NEW SHIFT SOUND & VIBRATION DAMPENING HYBRID HUB SYSTEM

- Resolves an issue inherent in some outboard applications where noise at engine idle is transmitted throughout the lower unit caused by slack in the shift dog clutch assembly.
- For 40CT-300+hp Applications Running Stainless Steel Propellers
- More quiet more enjoyable - hybrid hub system. 1 year material and workmanship warranty
- Shift sound & vibration dampening rubber material with Hub Isolation Technology.
- Reliable over time, not likely to let loose & spin under normal use.
- Offers more lower unit protection. Doesn't lock into a solid hub position.
- Great replacement for Yamaha® SDS™and other brands.

NEW

MASTERTORQ Sound Dampening Hub SDH

800 Series Installation Kit
1 Year Warranty On
Engines > 40hp w/ SS Props

For more information see: www.turningpointpropellers.com

Turning Point Propeller Selection Assets

For more information see:
www.turningpointpropellers.com

Prop Wizard Makes Every Dealer A Prop Expert

- Online Tool (https://turningpointpropellers.com/PROPWIZARD): Any dealer associate can access it on Turning Point's website or Prop Wizard can easily be embedded into the Dealership's website for use as if it was their own tool. It uses a database of 300,000 boats and over 7,500 engine combinations to calculate the most accurate diameter and pitch recommendation available: two props listed, one for cruising and one for water sports, allows dealers to upsell spare.
- Get the right prop the first time, reduces returns/exchanges. Saves time, saves money, maximizes profits, eliminates bad advice and unhappy customers. Tri-View Design for viewing on computers, smart phones, and tablets for easy propping anywhere in the dealership, even in the parking lot by a customers boat!

Prop Wizard - On-Shelf Prop Wizard Kiosks also available with qualifying purchase.

Selection Chart - Fast Access to Application Data (1 Page 2 Sided)

- Turning Point's entire product line fits on an easy to use non-tare two sided single sheet that includes a gondola mounting hole. Quickly find the hub and prop you need without thumbing through large and confusing catalogs commonly used by competitive manufacturers.
- Turning Point's products are grouped by horsepower range & gearcase size using a combination of shapes and colors making it easy to identify the parts needed for a given application.

Selection Chart

Quick Reference Guide / Master Catalog

- Search for a prop by engine manufacturer - products are then grouped by horsepower range & gearcase size within a specific manufacturer's section.
- Search using detailed engine application data in the back (includes Wide-Open-Throttle RPM information). Data organized by Manufacturer, Horsepower, Model, Year.
- Includes Hub Kit parts & stack-up listing that includes actual part images laid out in an easy to use format.
- Last two pages include a complete part listing.

OEM and Aftermarket Part Number Crossover to Turning Point

- Available in a spreadsheet or a printed version for Solas, Quicksilver, Michigan Wheel, and more. Look up an exact part to get the equivalent Turning Point item.
- Also available online within Prop Wizard's more prop finding tools tab.

Not All Recommendations Are Correct

Many times a propeller was sold to a customer that did not work out for their application due to unforeseen variables. All propeller manufacturers run into this situation. Boaters are often stuck with a propeller they can't use and are forced to purchase a second prop. This turns into a bad customer experience quickly.

Dealers and Boaters Are Not Stuck with The Wrong Prop

Propeller Pitch Exchange Program (Available Only for Contiguous USA)

For those customers who purchased the wrong pitch propeller and want to exchange for another pitch from the same propeller family. Turning Point will exchange for a $25.00 fee for each aluminum prop or a $35.00 fee for each stainless steel prop from their "exchange inventory". This nominal fee covers return shipping to the boater. The propeller housing to be returned for exchange must be in "new condition" - nicks, scratches, wear marks, or abrasions on any blade area will be rejected. This program is handled directly through Turning Point Propellers; for more information visit www.tpprops.com/exchange.

Contact Turning Point Propellers for access to any of the assets listed on this Page.

TURNING POINT PROPELLERS

11762 Marco Beach Drive STE. 2
Jacksonville, FL 32224
United States

Phone: +1 904-900-7739
Press (1) for Product Installation & Tech Support
Press (2) for Purchase Orders & Accounting
Press (3) for Internet, Prop Wizard, & Graphics
Press (4) for Sales, Marketing, & Training

Email:sales@tpprops.com
Web: www.turningpointpropellers.com

Lowest Inventory Cost In the Industry

To Cover The Most Manufacturers, Drives, and Engine Sizes

How To Reduce Inventory By up to 90%

We are the only manufacturer that offers a 4 foot aluminum planogram for 6-300+hp Engines that covers every manufacturer from Coleman, Evinrude, Honda, Johnson, Mariner, Mercury, MerCruiser, Nissan, OMC, Parsun, Suzuki, Tohatsu, Volvo Penta, and Yamaha for the 2.5" to 4.75" Gearcase.

For more information see:
www.turningpointpropellers.com

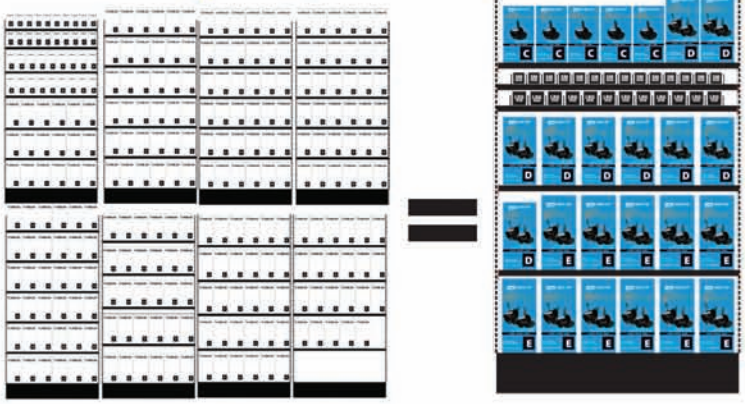
TURNING POINT PROPELLERS

Turning Point 4 Foot Aluminum Plan-O-Gram

- 26 Installation/Hub Kits
- 48 Propellers (3 & 4 blades, Left & Right Rotation)
- $3000est. Dealer Cost.

Compared to A Rubber Hub Program

- OEM/Solas/Michigan Wheel Rubber Hub Set has 389 Propellers:



TURNING POINT® PROPELLERS

BETTER THAN THE OEM PROPELLER

*Note: To find the correct installation kit and propeller housing, locate the HP, gearcase size, and prop shaft spline count of your outboard or sterndrive.

6-20hp

ENGINES WITH A 2.5" GEARCASE

MASTERGUARD® HUB SYSTEM

200 Series Installation Kits

Premium corrosion resistant brass splines.
Eliminate hub system vibration & chatter.
Reduce gear shock & engine/drive damage.
Reduce prop replacement cost by up to 33%.

AN INSTALLATION KIT IS REQUIRED — **FOR PROPS LISTED TO THE RIGHT**

MasterGuard Kits include a Lifetime Warranty

1

Engine Brand - Various Splined Prop Shafts	Kit	MFG. Part #	CC Part #
EVINRUDE® & JOHNSON®: (13 spline) 2 stroke ('74-'95): 9.9, 15 4 stroke: 8hp ('96+), 9.9hp ('95-'01), 15hp ('95+)	202	11100201	**904-11100201**
EVINRUDE® & JOHNSON®: (10 spline) 4 stroke ('02+): 9.9, 15hp	206	11100601	**904-11100601**
HONDA®: (8 spline) BF 4 Stroke: 8hp ('01+) / 9.9, 15, 20hp. Note: Does not fit 8 Classic, pin drive.	205	11100501	**904-11100501**
MERCURY® & MARINER®: (8 spline, lock nut) 2 stroke: 6hp, 8hp, 9.9hp, 15hp / Sea Pro/Marathon 10hp, 15hp 4 stroke: 8hp, 9.9hp ('95-'04), 15hp ('89-'06)	201	11100101	**904-11100101**
MERCURY® & MARINER®: (14 spline shaft made by Nissan, cotter pin) 4 stroke Bigfoot / CT ('05+): 8hp, 9.9hp / 4 stroke ('07+): 15hp, 20hp	207	11100701	**904-11100701**
NISSAN® & TOHATSU®: (14 spline) 2 stroke: 9.9hp ('84-'05), 12hp ('85-'88) / 15 & 18hp ('85-'05) / 4 stroke: 9.9hp, 15hp, 18hp, 20hp	207	11100701	**904-11100701**
PARSUN®: (8 spline) 9.9hp, 15hp	205	11100501	**904-11100501**
SUZUKI®: (10 spline TYPE M) DT 2 stroke: 9.9 ('83-'87), 15hp, 15C/ DF 4 stroke: 8A, 9.9, 9.9A, 9.9B, 15 / ('12+): 15A, 20A Note: Does not fit DT 8C & 9.9C ('88-'97)	206	11100601	**904-11100601**
YAMAHA®: (8 spline) 2 stroke: 9.9, 15 / 4 stroke: 9.9 ('00-'07), 15, 15C, 20hp	205	11100501	**904-11100501**

AN INSTALLATION KIT IS REQUIRED — **FOR PROPS LISTED TO THE RIGHT**

MasterGuard Kits include a Lifetime Warranty

2

Engine Brand - 12 Spline Prop Shaft	Kit	MFG. Part #	CC Part #
NISSAN® & TOHATSU®: (12 spline) 2 & 4 stroke: 8hp, 9.8hp	208	11100801	**904-11100801**
MERCURY® & MARINER®: (12 spline, cotter pin) 4 stroke ('05 & newer): 8hp, 9.9hp	208	11100801	**904-11100801**

9.9-35hp

ENGINES WITH A 3" GEARCASE

MASTERGUARD® HUB SYSTEM

20 Series Installation Kits

Premium corrosion resistant brass splines.
Eliminate hub system vibration & chatter.
Reduce gear shock & engine/drive damage.
Reduce prop replacement cost by up to 33%.

Note: Find Additional 3" Gearcase Engines on the next page.

AN INSTALLATION KIT IS REQUIRED — **FOR PROPS LISTED TO THE RIGHT**

MasterGuard Kits include a Lifetime Warranty

1

Engine Brand - Various Splined Prop Shafts	Kit	MFG. Part #	CC Part #
EVINRUDE® & JOHNSON®: (14 spline) 2 stroke: 20, 25 ('84+), 25 commercial ('93-'05), 30 ('84+), 35 ('76-'05) / E-Tec: 25hp, 30hp / H.O.: 15hp	22	11200200	**904-11200200**
FORCE®: (10 spline) 25hp ('95-'98)	21	11200100	**904-11200100**
MERCURY® & MARINER®: (10 spline) 2 stroke: 18hp ('80-'85), 20hp ('86+), 25hp ('85+) 4 stroke Bigfoot / Sail: 9.9hp ('99-'05), 15hp ('99-'05)	21	11200100	**904-11200100**

AN INSTALLATION KIT IS REQUIRED — **FOR PROPS LISTED TO THE RIGHT**

MasterGuard Kits include a Lifetime Warranty

2

Engine Brand - 10 Spline Prop Shaft	Kit	MFG. Part #	CC Part #
HONDA®: BF 4 Stroke: 25, 30hp	28	11200800	**904-11200800**
MERCURY® & MARINER®: 4 stroke ('06 & newer, cotter pin shaft): 25hp , 30hp	28	11200800	**904-11200800**
PARSUN®: 20hp, 25hp	25	11200500	**904-11200500**
NISSAN® & TOHATSU®: 2 and 4 stroke: 25hp, 30hp	28	11200800	**904-11200800**
YAMAHA®: 2 stroke: 20hp, 25hp, 30hp / 4 stroke: 25hp	25	11200500	**904-11200500**

For more information see: www.turningpointpropellers.com

WANT A DIAMETER AND PITCH RECOMMENDATION?

TURNING POINT PROPELLERS PROP WIZARD® NEED A PROP? SEEK THE WIZARD

Quickly calculates the best props for a boat.
Visit http://tpprops.com/propwizard or Call 904-900-7739

Turning Point manufactures propellers to fit 6-300+hp Evinrude®, Force®, Honda®, Johnson®, Mariner®, Mercruiser®, Mercury®, Nissan®, OMC®, Parsun®, Suzuki®, Tohatsu®, Volvo Penta®, and Yamaha® Outboards and Sterndrives. Choose one of our Lifetime Warranty MasterGuard Installation Kits to fit your engine, then choose the propeller that matches your boating requirements. There are 3 & 4 blade, left & right rotation prop models with a variety of diameter & pitch options available for almost all boat types. Our Props Run Faster, Pull Harder, and Handle Better.

Left Rotation Right Rotation (standard)

1 HUSTLER® ALUMINUM PROPELLERS

ALUMINUM 3 BLADE
Model: R4

Dia x Pitch	MFG. Part #	CC Part #
9 x 9	21100910	904-21100910
9 x 10	21101010	904-21101010

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NOT SURE WHICH PROPELLER TO GET?

TURNING POINT PROPELLERS PROP WIZARD® NEED A PROP? SEEK THE WIZARD

Get a Free Diameter and Pitch Recommendation With Our Online Tool Prop Wizard:

http://tpprops.com/propwizard

or Call Propeller Support at: +1-904-900-7739 x1
Office Hours M-F 9-5pm ET

2 HUSTLER® ALUMINUM PROPELLERS

ALUMINUM 3 BLADE
Model: R5

Dia x Pitch	MFG. Part #	CC Part #
9 x 9	21110910	904-21110910
9 x 10	21111010	904-21111010

LIFETIME WARRANTY HUB SYSTEMS FOR ENGINES/DRIVES FROM 6-300+hp

- Reduce prop replacement cost by up to 50%.
- Reduce gear shock and engine/drive damage
- Minimizes propeller vibration and chatter
- Corrosion resistant brass splines and nylon
- Eliminates spun hubs
- Ends hub cracking
- Hub included in MasterGuard Installation Kits

MASTERGUARD® HUB SYSTEM

1 HUSTLER® ALUMINUM PROPELLERS

ALUMINUM 3 BLADE
Model: R1

Dia x Pitch	MFG. Part #	CC Part #
10.5 x 11	21201110	904-21201110
10.125 x 13	21201310	904-21201310

1 MACH3 EXPRESS® STAINLESS STEEL PROPELLERS

STAINLESS STEEL 3 BLADE
Model: EX1

Dia x Pitch	MFG. Part #	CC Part #
10.5 X 11	31201111	906-31201111
10.125 X 13	31201311	906-31201311

2 HUSTLER® ALUMINUM PROPELLERS

ALUMINUM 3 BLADE
Model: R2

Dia x Pitch	MFG. Part #	CC Part #
10.325 x 11	21211110	904-21211110
10.375 x 13	21211310	904-21211310

2 MACH3 EXPRESS® STAINLESS STEEL PROPELLERS

STAINLESS STEEL 3 BLADE
Model: EX2

Dia x Pitch	MFG. Part #	CC Part #
10.325 X 11	31211111	906-31211111
10.375 X 13	31211311	906-31211311

For more information see: www.turningpointpropellers.com

TURNING POINT® PROPELLERS

BETTER THAN THE OEM PROPELLER

*Note: To find the correct installation kit and propeller housing, locate the HP, gearcase size, and prop shaft spline count of your outboard or sterndrive.

For more information see:
www.turningpointpropellers.com

20-30hp ENGINES WITH A 3" GEARCASE

MasterGuard HUB SYSTEM

20 Series Installation Kits

Premium corrosion resistant brass splines.
Eliminate hub system vibration & chatter.
Reduce gear shock & engine/drive damage.
Reduce prop replacement cost by up to 33%.

Note: Find Additional 3" Gearcase Engines on the previous page.

AN INSTALLATION KIT IS REQUIRED — MasterGuard Kits include a Lifetime Warranty — **FOR PROPS LISTED TO THE RIGHT**

3

Engine Brand - 10 Spline Prop Shaft	Kit	MFG. Part #	CC Part #
EVINRUDE® & JOHNSON®: 4 stroke: 25hp, 30hp	26	11200600	**904-11200600**
SUZUKI®: DT 2 stroke ('87+): 20, 25, 25C, 30, 30C DF 4 stroke: 25hp, 30hp	26	11200600	**904-11200600**

NOT SURE WHICH PROPELLER TO GET?

TURNING POINT PROPELLERS PROP WIZARD® NEED A PROP? SEEK THE WIZARD

Get a Free Diameter and Pitch Recommendation With Our Online Tool Prop Wizard: http://tpprops.com/propwizard
or Call Propeller Support +1-904-900-7739 x1
Office Hours M-F 9-5pm ET

25-75hp ENGINES WITH A 3.5" GEARCASE

MasterGuard HUB SYSTEM

10 Series Installation Kits

Premium corrosion resistant brass splines.
Eliminate hub system vibration & chatter.
Reduce gear shock & engine/drive damage.
Reduce prop replacement cost by up to 33%.

AN INSTALLATION KIT IS REQUIRED — MasterGuard Kits include a Lifetime Warranty — **FOR PROPS LISTED TO THE RIGHT**

1

Engine Brand - 13 Spline Prop Shaft	Kit	MFG. Part #	CC Part #
JOHNSON®: 4 stroke: 40hp, 50hp	11	11300101	**904-11300101**
FORCE®: 40hp ('95-'98), 50hp ('95-'98), 70hp ('91-'95), 75hp ('96-'98)	11	11300101	**904-11300101**
HONDA®: BF 4 stroke: 35, 40, 45, 50, 60hp, (not P60)	12	11300200	**904-11300200**
MERCURY® & MARINER®: 2 stroke: 30hp ('94+) / 35, 45, 55 / 40, 50, 60 ('77+) / 70hp ('77-'83) 4 stroke: 25hp, 30hp Bigfoot / 30hp ('94-'05) / 40hp (*not Bigfoot, CT, or SeaPro 4cyl.), 45hp, 48hp(Mariner), 50hp (*not bigfoot or CT), 55hp (SeaPro), 60hp (*not Bigfoot, CT, or SeaPro) *note: see 4.25" Gearcase for Bigfoot / CT 40-60hp & 2 stroke 70hp.	11	11300101	**904-11300101**
NISSAN® & TOHATSU®: Note: Do not use 12in diameter propellers. 35B ('84 & older), 40C, 40D, 50A('14+), 50D, 50C, 60A, MFS60, 70A2, 60B, 70B	13	11300301	**904-11300301**
PARSUN®: T30, T35, T36, T40	12	11300200	**904-11300200**
SUZUKI®: DT 2 stroke ('89+): 35C, 40, 50, 50M, 55, 60, 65hp DF 4 stroke: 40hp, 50hp / ('10+): 40A, 50A, 60A	11	11300101	**904-11300101**
YAMAHA®: 2 stroke: 40hp to 55hp / 4 stroke: FT25 High Thrust, 30hp to 60hp	12	11300200	**904-11300200**

AN INSTALLATION KIT IS REQUIRED — MasterGuard Kits include a Lifetime Warranty — **FOR PROPS LISTED TO THE RIGHT**

2

Engine Brand - 13 Spline Prop Shaft	Kit	MFG. Part #	CC Part #
EVINRUINRUDE® & JOHNSON®: 2 cyl.: 40hp, 48hp / 50hp ('75-'05) / 55hp ('76-'79) / 60hp, 65hp ('80-'85) 3 cyl. (with small gearcase): 75hp ('75-'85) Sprint and Formula E ('86-'92)	12	11300200	**904-11300200**

WANT A DIAMETER AND PITCH RECOMMENDATION?

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Turning Point manufactures propellers to fit 6-300+hp Evinrude®, Force®, Honda®, Johnson®, Mariner®, Mercruiser®, Mercury®, Nissan®, OMC®, Parsun®, Suzuki®, Tohatsu®, Volvo Penta®, and Yamaha® Outboards and Sterndrives. Choose one of our Lifetime Warranty MasterGuard Installation Kits to fit your engine, then choose the propeller that matches your boating requirements. There are 3 & 4 blade, left & right rotation prop models with a variety of diameter & pitch options available for almost all boat types. Our Props Run Faster, Pull Harder, and Handle Better.

LH Left Rotation RH Right Rotation (standard)

3 — HUSTLER® ALUMINUM PROPELLERS

ALUMINUM 3 BLADE
Model: R3

Dia x Pitch	MFG. Part #	CC Part #
10.5 x 11	21221110	904-21221110
10.125 x 13	21221310	904-21221310

3 — MACH3 EXPRESS® STAINLESS STEEL PROPELLERS

STAINLESS STEEL 3 BLADE
Model: EX3

Dia x Pitch	MFG. Part #	CC Part #
10.5 X 11	31221111	906-31221111
10.125 X 13	31221311	906-31221311

For more information see:
www.turningpointpropellers.com

1 — HUSTLER® ALUMINUM PROPELLERS

ALUMINUM 3 BLADE
Model: H1

Dia x Pitch	MFG. Part #	CC Part #
12.5 X 8	21300810	904-21300810
12 X 10.5	21301010	904-21301010
10.875 X 11	21301110	904-21301110
10.75 X 12	21301210	904-21301210
10.5 X 13	21301310	904-21301310
10.375 X 14	21301410	904-21301410
10.125 X 15	21301510	904-21301510

1 — MACH3 EXPRESS® STAINLESS STEEL PROPELLERS

STAINLESS STEEL 3 BLADE
Model: E1

Dia x Pitch	MFG. Part #	CC Part #
10.75 X 12	31301212	906-31301212
10.5 X 13	31301312	906-31301312
10.375 X 14	31301412	906-31301412

2 — HUSTLER® ALUMINUM PROPELLERS

ALUMINUM 3 BLADE
Model: H2

Dia x Pitch	MFG. Part #	CC Part #
12.5 X 8	21310810	904-21310810
12 X 10.5	21311010	904-21311010
12.5 X 13	21311310	904-21311310
12.125 X 15	21311510	904-21311510
11.75 X 17	21311710	904-21311710

NOT SURE WHICH PROPELLER TO GET?

TURNING POINT PROPELLERS PROP WIZARD® NEED A PROP? SEEK THE WIZARD

Get a Free Diameter and Pitch Recommendation With Our Online Tool Prop Wizard:

http://tpprops.com/propwizard

or Call Propeller Support at: +1-904-900-7739 x1
Office Hours M-F 9-5pm ET

WARNING: Hustler Aluminum Propeller Housing Warning: This product can expose you to chemicals including carbon, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

WARNING: MasterGuard Installation Kits Warning: This product can expose you to chemicals including lead and lead compounds, which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

TURNING POINT® PROPELLERS

BETTER THAN THE OEM PROPELLER

*Note: To find the correct installation kit and propeller housing, locate the HP, gearcase size, and prop shaft spline count of your outboard or sterndrive.

For more information see:
www.turningpointpropellers.com

AN INSTALLATION KIT IS REQUIRED FOR PROPS LISTED TO THE RIGHT

MasterGuard 500 Series Kits
Include a Lifetime Warranty

40-150hp

ENGINES WITH A 4.25" GEARCASE

MASTERGUARD® HUB SYSTEM

500 Series Installation Kits

Use on engines under 200hp with aluminum or stainless steel props or most engines 200hp and above with aluminum props only.
Premium corrosion resistant brass splines.
Eliminate hub system vibration & chatter.
Reduce gear shock & engine/drive damage.
Reduce prop replacement cost by up to 33%.

MASTERTORQ® Sound Dampening Hub SDH®

800 Series Installation Kits
For noisy lower units - quieter ride
Use on engines 40hp and above with stainless steel props.
Includes a limited 1 year warranty.

500 MasterGuard & 800 MasterTorq Series Installation Kits & Corresponding Prop Housings are Compatible with, and Upgrade Competitors' Hub & Prop Systems. Interchangeable with Mercury® Flo-Torq II®, Michigan Wheel® XHS®, Solas® Rubex™ hub kit systems. NOTE: Not applicable with Turning Point's 10, 20 and 200 Hub Kit series.

Engine Brand - Various Splined Prop Shafts	Kit	MFG. Part #	CC Part #
EVINRUDE® & JOHNSON®: (13 spline shaft) 2 cyl: 50hp ('71-'74) / 45 to 55hp commercial 3 cyl: 55, 60, 65, 70hp, 75hp with large gearcase, 65hp commercial 4 cyl: 75, 85, 88, 90, 100, 110, 115, 120 ('86-'94), 125, 135 ('73-'76), 140 ('77-'84, '86-'94) / H.O. (includes E-TEC H.O.): 60, 90, 115hp E-TEC: 40, 50, 60, 65, 75hp / 20" shaft: 90, 115hp (not pontoon series), 130hp ('09-'10) / E-TEC G2 Series only 3cyl with small gearcase: 115H.O, 140, 150hp	503	11500300	**904-11500300**
JOHNSON®: (13 spline shaft) 4 stroke ('98-'09): 60hp, 70hp	506	11500600	**904-11500600**
FORCE®: (15 spline shaft) 75hp ('99) / 90hp to 150hp ('95+)	501	11500100	**904-11500100**
HONDA®: (15 spline shaft) ('95-'98): 75hp, 90hp	501	11500100	**904-11500100**
HONDA®: (15 spline shaft) P60 / 75, 90 ('99+) / 100, 115 (not 115D), 130hp	507	11500700	**904-11500700**
MERCURY® & MARINER®: Note[1]: Use 801F kit on noisy lower units with stainless steel propellers. Note[2]: Props Not Available for '77 & Older models. (15 spline shaft) (2 & 4 stroke) 40 to 60 CT, Bigfoot, FourStroke / 70 ('87-'89) / 75, 80 ('78-'89), 90, 100, 115, 125, 140hp / 150 XR4/6 (thru 1993, includes equivalent Mariner Magnum I, II, III.) FourStroke™ & SeaPro™ 4cyl: 40 to 75hp / OptiMax: 75, 90, 115, 125hp	501	11500100	**904-11500100**
	801F	11800100	**904-11800100**
NISSAN® & TOHATSU®: (15 spline) 60C, 70C, 70('02-'09) / (not BFT): 90 to 140hp / 115 TLDI ('14+)	505	11500500	**904-11500500**
NISSAN® & TOHATSU®: (15 spline shaft) BFT ('14+): W60, 60, 75, 90hp	507	11500700	**904-11500700**
OMC®: (13 spline shaft) Cobra 400: 2.3 to 3.0L ('78-'89) / Sea Drive: 1.6 to 1.8L	503	11500300	**904-11500300**
PARSUN®: (15 spline shaft) T60, T75, T85, T90	500	11500000	**904-11500000**
SUZUKI®: (13 spline shaft) DT 2 Stroke ('89+): 75 to 140hp / DF 4 Stroke ('98-'09): 60hp, 70hp	506	11500600	**904-11500600**
SUZUKI® & JOHNSON®: (use 4 blade props only) 4 stroke: ('09+) 70A, 80A, 90A, 70, 80 / ('01+) 90, 100, 115 (Not 115A)	509	11500900	**904-11500900**
SUZUKI® & JOHNSON®: (use 4 blade props only) DF 4 stroke: 50AV, 60AV, 115A, 140, 140A	501	11500100	**904-11500100**
YAMAHA®: (15 spline shaft) Note[1]: Use 800F kit on noisy lower units with stainless steel propellers. Note[2]: If prop strikes trim tab, replace with Yamaha part #6E5-45371-10. High Thrust: FT50, FT60 / 2 stroke: 60 to 100hp / 4 stroke: 70, 75 ('03-'16), 80, 90 ('03-'16), 100hp	500	11500000	**904-11500000**
	800F	11800000	**904-11800000**
YAMAHA®: (15 spline shaft) Note[1]: Use 805F kit on noisy lower units with stainless steel propellers. Note[2]: If prop strikes trim tab, replace with Yamaha part #6E5-45371-10. 2 stroke: 115 to 130hp / 4 stroke: 75 ('17+), 90 ('17+), 115hp	505	11500500	**904-11500500**
	805F	11800500	**904-11800500**

HUSTLER® ALUMINUM PROPELLERS

NEW ENGINEERING CRANKS UP BOAT PERFORMANCE

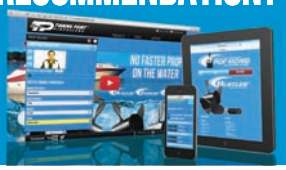
Stainless Steel Performance at Aluminum Prices
New unique blade geometry and manufacturing processes results in the highest performance aluminum propellers on the block. Hustler® propellers out performed most competitive stainless steel props in recent tests. Not only does top speed, handling and hole shot improve, but also mid-range performance, which will save you a ton in gas usage.

Squeeze Cast for Added Strength
Stainless steel performance is built into the Hustler Aluminum prop line. This is achieved through unique blade geometry and an exclusive Turning Point manufacturing process, Squeeze Casting. It generates the highest mechanical properties attainable in a cast aluminum prop resulting from a tighter grain structure. Stiffer blades means less flex and a faster prop. Competitors still use old Die-Cast processes that produce blades that flex, resulting in overall poor performance.

WANT A DIAMETER AND PITCH RECOMMENDATION?

TURNING POINT PROPELLERS
PROP WIZARD®
NEED A PROP? SEEK THE WIZARD

Quickly calculates the best props for a boat.
Visit http://tpprops.com/propwizard or Call 904-900-7739



Turning Point manufactures propellers to fit 6-300+hp Evinrude®, Force®, Honda®, Johnson®, Mariner®, Mercruiser®, Mercury®, Nissan®, OMC®, Parsun®, Suzuki®, Tohatsu®, Volvo Penta®, and Yamaha® Outboards and Sterndrives. Choose one of our Lifetime Warranty MasterGuard Installation Kits to fit your engine, then choose the propeller that matches your boating requirements. There are 3 & 4 blade, left & right rotation prop models with a variety of diameter & pitch options available for almost all boat types. Our Props Run Faster, Pull Harder, and Handle Better.

LH Left Rotation RH Right Rotation (standard)

HUSTLER® ALUMINUM PROPELLERS

ALUMINUM 3 BLADE

Model: LE1/LE2

Dia x Pitch	MFG. Part #	CC Part #
14 x 11	RH 21431111	904-21431111
14 x 13	RH 21431311	904-21431311
13.75 x 15	RH 21431511	904-21431511
13.25 x 17	RH 21431711	904-21431711
13.25 x 19	RH 21431911	904-21431911
13.25 x 21	RH 21432111	904-21432111
13.25 x 23	RH 21432311	904-21432311

MACH3 EXPRESS® STAINLESS STEEL PROPELLERS

STAINLESS STEEL 3 BLADE

Model: EX1/EX2

Dia x Pitch	MFG. Part #	CC Part #
13.75 x 15	RH 31431512	906-31431512
13.25 x 17	RH 31431712	906-31431712
13.25 x 19	RH 31431912	906-31431912
13.25 x 21	RH 31432112	906-31432112

HUSTLER® ALUMINUM PROPELLERS

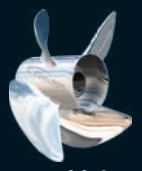
ALUMINUM 4 BLADE

Swept Cleaver Series

Model: LE1/LE2-4

Dia x Pitch	MFG. Part #	CC Part #
14 x 11	RH 21431130	904-21431130
14 x 13	RH 21431330	904-21431330
13.5 x 15	RH 21431530	904-21431530
13.25 x 17	RH 21431730	904-21431730
13 x 19	RH 21431930	904-21431930
13 x 21	RH 21432130	904-21432130

MACH4 EXPRESS® STAINLESS STEEL PROPELLERS



STAINLESS STEEL 4 BLADE

Swept Cleaver Series

Model: EX1/EX2-4

Dia x Pitch	MFG. Part #	CC Part #
14 x 9	RH 31430930	906-31430930
14 x 11	RH 31431130	906-31431130
14 x 13	RH 31431330	906-31431330
13.5 x 15	RH 31431530	906-31431530
13.5 x 15	LH 31431540	906-31431540
13.25 x 17	RH 31431730	906-31431730
13.25 x 17	LH 31431740	906-31431740
13 x 19	RH 31431930	906-31431930
13 x 19	LH 31431940	906-31431940
13 x 21	RH 31432130	906-31432130
13 x 21	LH 31432140	906-31432140
13 x 23	RH 31432330	906-31432330
13 x 23	LH 31432340	906-31432340

SHE'LL DO THINGS YOU NEVER THOUGHT POSSIBLE

Express® Mach3™: Looking for Top Speed? Get one, and hold on!
Express® Mach4™: Max Cornering? Like you're on rails! Hole Shot? Like a rocket!
Express® Mach3™ OS™: Big Blades for Big Horsepower. Get Peak Performance on Pontoon, Center Console, or Walleye Boats.

For more information see:
www.turningpointpropellers.com

TURNING POINT® PROPELLERS

BETTER THAN THE OEM PROPELLER

*Note: To find the correct installation kit and propeller housing, locate the HP, gearcase size, and prop shaft spline count of your outboard or sterndrive.

AN INSTALLATION KIT IS REQUIRED FOR PROPS LISTED TO THE RIGHT

See Installation Kit Application Guide for best kit selection.
MasterGuard 500 & 700 Series Kits include a Lifetime Warranty

90-300+hp

ENGINES WITH A 4.75"+ GEARCASES

MasterGuard HUB SYSTEM

500 Series Installation Kits
Use on engines under 200hp with aluminum or stainless steel props or most engines 200hp and above with aluminum props only.

SUPER DUTY MasterGuard HUB SYSTEM

700 Series Installation Kits
For heavy duty extreme load applications
Use on engines 200hp and above with stainless steel props.

MasterTorq Sound Dampening Hub SDH

800 Series Installation Kits
For noisy lower units - quieter ride
Use on engines 40hp and above with stainless steel props.

MasterTorq Fat Shaft Hub FSH

621 Series Installation Kits
Engineered For Big Prop Shafts
Use on 1.25" Mercury Prop Shafts with stainless steel or aluminum props.

Installation Kits & Corresponding Prop Housings are Compatible with, and Upgrade Competitors' Hub & Prop Systems. Interchangeable with Mercury® Flo-Torq II®, Michigan Wheel® XHS®, Solas® Rubex™ hub kit systems. NOTE: Not applicable with Turning Point's 10, 20 and 200 Hub Kit series.

*Note: Lifetime Warranty on 500 & 700 Series Hubs Apply To Non-Commercial Use Only, for terms & conditions visit: http://tpprops.com/warranty

Engine Brand - Various Splined Prop Shafts	Kit	MFG. Part #	CC Part #
EVINRUDE® & JOHNSON®: (15 spline shaft) V4 with V6 large gearcase: 100hp commercial, 120hp ('85),130hp ('95-'96), 140hp ('85), Pleasure ('95+): 115hp, 130hp / H.O. (includes E-TEC H.O.): (25" shaft) 90, 115, 135, 150, 200, 225, 250hp E-TEC (includes pontoon series - NOT for E-TEC G2): 90hp (25" shaft), 115hp, 130hp ('09-'10), 135hp to 300hp / V6: 135hp to 250hp / V8: 250hp to 300hp	502	11500200	**904-11500200**
EVINRUDE® E-TEC® G2™: (15 spline shaft) Note: Use 711 Super Duty Kit for 200+hp Engines w/ SS Props. G2 Series Only: 140hp w/ large gearcase, 150 H.O. to 300hp	511	11501100	**904-11501100**
	711	11701100	**904-11701100**
HONDA®: (15 spline shaft) Note: Use 708 Super Duty Kit for 200+hp Engines w/ SS Props. BF115D ('11+), BF135 ('04+), BF150 ('04+), BF200 ('02+), BF225 ('02+), BF250 ('12+)	508	11500800	**904-11500800**
	708	11700800	**904-11700800**
JOHNSON®: (use Express Mach3 OS series props only) 4 stroke: 200- 225hp	707	11700700	**904-11700700**
MERCURY® & MARINER®: (15 spline shaft) Note¹: See Installation Kit Application Guide for best kit selection. ProXS 115CT / FourStroke™ & SeaPro™: 90CT, 115CT, 150hp, 200 to 300 V6: 135 to 300hp / Verado 135 to 300hp(not HD) / OptiMax: 150, 200, 250hp	501	11500100	**904-11500100**
	701	11700100	**904-11700100**
	801F	11800100	**904-11800100**
MERCURY®: (19 spline shaft) Designed for HD (Heavey Duty) 1.25" prop shaft - HD 5.25-5.44" gearcases: Pro XS 175-250hp w/ Torque Master gearcase, Verado 300-400hp, Sport Master, Torque Master I & II (Torque Master Gearcases to fit 200XS, 225X, 2.5 EFI, 225 Pro X, 250XS, 300X), Fleet Master	621	11602100	**904-11602100**
MERCRUISER®: (15 spline shaft) Alpha One and Bravo One ('83+) Note¹: Use 701 Super Duty Kit for 200+hp Bravo One Drives w/ SS Props. For all other applications use 501 kit w/ stainless steel or aluminum props. Note²: If propeller strikes trim tab, replace with Mercury part #822777A1	501	11500100	**904-11500100**
	701	11700100	**904-11700100**
MERCRUISER®: (19 spline shaft) Designed for HD (Heavey Duty) 1.25" prop shaft - HD 5.25-5.44" gearcases: Bravo One XR/XZ, Sport Master, shorty Sport Master Bravo One XR	621	11602100	**904-11602100**
OMC®: (15 spline shaft) Note: SX drives, see Volvo Penta SX listing below. Cobra 800: 3.0 to 7.5L / King Cobra: 454, 502, 7.4-8.2L ('90+) / Sea Drive: 2.0 to 4.0L	502	11500200	**904-11500200**
SUZUKI®: (15 spline shaft) Note: Use 707 Super Duty Kit for 200+hp Engines w/ SS Props. DT 2 stroke: 150hp to 225hp	507	11500700	**904-11500700**
	707	11700700	**904-11700700**
SUZUKI®: (15 spline shaft) Note: Use 707 Super Duty Kit for 200+hp Engines w/ SS Props. (use Express Mach3 OS series props only) DF 4 stroke: 150 to 300hp	507	11500700	**904-11500700**
	707	11700700	**904-11700700**
TOHATSU®: (15 spline shaft) Note: Use 708 Super Duty Kit for 200+hp Engines w/ SS Props. BFT115, BFT150, BFT200, BFT225, BFT250	508	11500800	**904-11500800**
	708	11700800	**904-11700800**
VOLVO® PENTA® SX & OMC® SX COBRA®: (19 spline) ('94+): 3.0 to 8.2L. Not for Volvo DuoProp or Aquamatic drives.	504	11500400	**904-11500400**
VOLVO® PENTA® AQ: (17 spline)(4 blade props only) 200, 250, 270, 280, 290	510	11501000	**904-11501000**
YAMAHA®: (15 spline shaft) Note¹: See Installation Kit Application Guide for kit selection. Note²: Use 805FT Kit with Express Mach3 OS Propellers Housings Note³: If Express Mach3 OS Prop strikes trim tab, replace with TP part #41505060. 2 & 4 stroke: 150 to 250hp / F300 (V6 only '09+) / Sterndrives 3.0 to 7.4L	505	11500500	**904-11500500**
	705	11700500	**904-11700500**
	805F	11800500	**904-11800500**
	805FT	11800510	**904-11800510**
YAMAHA®: (use Express Mach3 OS series props only) F350	715	11701500	**904-11701500**

INSTALLATION KIT APPLICATION GUIDE

	Kit Series	Prop Shaft	Engine Brands	200-300+hp 4.75"+ GC SS Props	90CT-175hp 4.75" GC SS Props	90CT-300+hp 4.75" GC AL Props	Warranty
MasterGuard (for typical use applications)	500	1.00"	various		✔	✔	Lifetime
MasterTorq Fat Shaft Hub (for Mercury engines with big prop shafts)	621	1.25"	Mercury®	✔	✔	✔	1 year
MasterGuard Super Duty (for heavy duty extreme load applications)	700	1.00"	various	✔			Lifetime
MasterTorq Sound Dapening Hub (for noisy lower units - quieter ride)	800	1.00"	Yamaha® & Mercury®	✔	✔		1 year
Compatible Gearcase (GC) Prop Family Symbol				■	■	■	
Aluminum (AL) Prop Brands				-	-	Hustler	
Stainless Steel (SS) Prop Brands				Express: Mach3, Mach3 OS, Mach4		-	

WARNING: MasterGuard & MasterTorq Installation Kits Warning: This product can expose you to chemicals including lead and lead compounds, which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

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Visit http://tpprops.com/propwizard or Call 904-900-7739

Turning Point manufactures propellers to fit 6-300+hp Evinrude®, Force®, Honda®, Johnson®, Mariner®, Mercruiser®, Mercury®, Nissan®, OMC®, Parsun®, Suzuki®, Tohatsu®, Volvo Penta®, and Yamaha® Outboards and Sterndrives. Choose one of our Lifetime Warranty MasterGuard Installation Kits to fit your engine, then choose the propeller that matches your boating requirements. There are 3 & 4 blade, left & right rotation prop models with a variety of diameter & pitch options available for almost all boat types. Our Props Run Faster, Pull Harder, and Handle Better.

LH Left Rotation RH Right Rotation (standard)

HUSTLER® ALUMINUM PROPELLERS

ALUMINUM 3 BLADE
Model: LE

Dia x Pitch	MFG. Part #	CC Part #
15.25 x 15	RH 21501511	904-21501511
14.25 x 17	RH 21501711	904-21501711
14.25 x 19	RH 21501911	904-21501911
14.25 x 21	RH 21502111	904-21502111
14.25 x 23	RH 21502311	904-21502311

MACH3 EXPRESS® STAINLESS STEEL PROPELLERS

STAINLESS STEEL 3 BLADE
Model: EX

Dia x Pitch	MFG. Part #	CC Part #
14.25 x 17	RH 31501712	906-31501712
14.25 x 17	LH 31501722	906-31501722
14.25 x 19	RH 31501912	906-31501912
14.25 x 19	LH 31501922	906-31501922
14.25 x 21	RH 31502112	906-31502112
14.25 x 21	LH 31502122	906-31502122
14.25 x 23	RH 31502311	906-31502311
14.25 x 23	LH 31502321	906-31502321

HUSTLER® ALUMINUM PROPELLERS

ALUMINUM 4 BLADE
Dual Geometry Series
Model: LE-4

Dia x Pitch	MFG. Part #	CC Part #
15 x 15	RH 21501530	904-21501530
15 x 15	LH 21501540	904-21501540
14.5 x 17	RH 21501730	904-21501730
14.5 x 17	LH 21501740	904-21501740
14 x 19	RH 21501930	904-21501930
14 x 19	LH 21501940	904-21501940
14 x 21	RH 21502131	904-21502131
14 x 21	LH 21502141	904-21502141

MACH4 EXPRESS® STAINLESS STEEL PROPELLERS

STAINLESS STEEL 4 BLADE
Dual Geometry Series
Model: EX-4

Dia x Pitch	MFG. Part #	CC Part #
15.3 x 13	RH 31501330	906-31501330
15.3 x 13	LH 31501340	906-31501340
15 x 15	RH 31501532	906-31501532
15 x 15	LH 31501542	906-31501542
14.5 x 17	RH 31501731	906-31501731
14.5 x 17	LH 31501741	906-31501741
14 x 19	RH 31501931	906-31501931
14 x 19	LH 31501941	906-31501941
14 x 21	RH 31502131	906-31502131
14 x 21	LH 31502141	906-31502141
14 x 23	RH 31502331	906-31502331
14 x 23	LH 31502341	906-31502341

WARNING: Hustler Aluminum Propeller Housing Warning: This product can expose you to chemicals including carbon, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

MACH3 EXPRESS® OS STAINLESS STEEL PROPELLERS

STAINLESS STEEL 3 BLADE
Large Diameter OS Series
Model: OS

Dia x Pitch	MFG. Part #	CC Part #	Dia x Pitch	MFG. Part #	CC Part #
15.6 x 11	RH 31511110	906-31511110	15.6 x 21	RH 31512110	906-31512110
15.6 x 11	LH 31511120	906-31511120	15.6 x 21	LH 31512120	906-31512120
15.6 x 13	RH 31511310	906-31511310	15.6 x 23	RH 31512310	906-31512310
15.6 x 13	LH 31511320	906-31511320	15.6 x 23	LH 31512320	906-31512320
15.6 x 15	RH 31511510	906-31511510	15.6 x 25	RH 31512510	906-31512510
15.6 x 15	LH 31511520	906-31511520	15.6 x 25	LH 31512520	906-31512520
15.6 x 17	RH 31511710	906-31511710	15.6 x 27	RH 31512710	906-31512710
15.6 x 17	LH 31511720	906-31511720	15.6 x 27	LH 31512720	906-31512720
15.6 x 19	RH 31511910	906-31511910			
15.6 x 19	LH 31511920	906-31511920			

For more information see: www.turningpointpropellers.com

QUICKSILVER® CROSSOVER TO TURNING POINT

QS Part #	QS Description	CC Kit Part #	CC Prop Part #	TP Prop Description
QA6074T	Black Diamond 10.625x12	required*	904-21301210	Hustler 10.75x12
QA6076T	Black Diamond 10.5x13	required*	904-21301310	Hustler 10.5x13
QA6078T	Black Diamond 10.375x13	required*	904-21301310	Hustler 10.5x13
QA6080T	Black Diamond 10.375x14	required*	904-21301410	Hustler 10.375x14
QA6082T	Black Diamond 10.25x14	required*	904-21301410	Hustler 10.375x14
QA6084T	Black Diamond 10.125x15	required*	904-21301510	Hustler 10.125x15
QA6102T	Black Diamond 10.375x11	904-11200100	904-21201110	Hustler 10.5x11
QA6106T	Black Diamond 10.375x13	904-11200100	904-21201310	Hustler 10.125x13
QA6182	Black Diamond 4 15x16	required*	906-31501532	Express Mach4 15x15 4B
QA6182H1,2,3	Black Diamond 4 15x16	required*	906-31501532	Express Mach4 15x15 4B
QA6183	Black Diamond 4 15x16LH	required*	906-31501542	Express Mach4 15x15 4B LH
QA6184	Black Diamond 4 14.5x18	required*	906-31501731	Express Mach4 14.5x17 4B
QA6184H1,2,3	Black Diamond 4 14.5x18	required*	906-31501731	Express Mach4 14.5x17 4B
QA6185	Black Diamond 4 14.5x18LH	required*	906-31501741	Express Mach4 14.5x17 4B LH
QA6186	Black Diamond 4 14x20	required*	906-31501931	Express Mach4 14x19 4B
QA6186H1,2,3	Black Diamond 4 14x20	required*	906-31501931	Express Mach4 14x19 4B
QA6187	Black Diamond 4 14x20LH	required*	906-31501941	Express Mach4 14x19 4B LH
QS2020X	Black Diamond 14x23	required*	904-21502311	Hustler 14.25x23
QS5002X	Thunderbolt 15.75x15	required*	906-31511510	Express Mach3 OS 15.6x15
QS5003X	Thunderbolt 15.75x15LH	required*	906-31511520	Express Mach3 OS 15.6x15 LH
QS5004X	Thunderbolt 15.5x17	required*	906-31511710	Express Mach3 OS 15.6x17
QS5005X	Thunderbolt 15.5x17LH	required*	906-31511720	Express Mach3 OS 15.6x17 LH
QS5006X	Thunderbolt 15.25x19	required*	906-31511910	Express Mach3 OS 15.6x19
QS5007X	Thunderbolt 15.25x19LH	required*	906-31511920	Express Mach3 OS 15.6x19 LH
QS5008X	Thunderbolt 14.75x21	required*	906-31512110	Express Mach3 OS 15.6x21
QS5009X	Thunderbolt 14.75x21LH	required*	906-31512120	Express Mach3 OS 15.6x21 LH
QS5010X	Thunderbolt 14.625x23	required*	906-31512310	Express Mach3 OS 15.6x23
QS5011X	Thunderbolt 14.625x23LH	required*	906-31512320	Express Mach3 OS 15.6x23 LH
QS5050X	Silverado 14.5x15	required*	906-31501532	Express Mach4 15x15 4B
QS5052X	Silverado 14.5x17	required*	906-31501712	Express Mach3 14.25x17
QS5053X	Silverado 14.5x17LH	required*	906-31501722	Express Mach3 14.25x17 LH
QS5054X	Silverado 14x19	required*	906-31501912	Express Mach3 14.25x19
QS5055X	Silverado 14x19LH	required*	906-31501922	Express Mach3 14.25x19 LH
QS5056X	Silverado 13.75x21	required*	906-31502112	Express Mach3 14.25x21
QS5057X	Silverado 13.75x21LH	required*	906-31502122	Express Mach3 14.25x21 LH
QS5058X	Silverado 13.5x23	required*	906-31502311	Express Mach3 14.25x23
QS5059X	Silverado 13.5x23LH	required*	906-31502321	Express Mach3 14.25x23 LH
QS5070X	Lightspeed 14x19	required*	906-31501912	Express Mach3 14.25x19
QS5071X	Lightspeed 14x19LH	required*	906-31501922	Express Mach3 14.25x19 LH
QS5072X	Lightspeed 13.875x21	required*	906-31502112	Express Mach3 14.25x21
QS5073X	Lightspeed 13.875x21LH	required*	906-31502122	Express Mach3 14.25x21 LH
QS5074X	Lightspeed 13.75x23	required*	906-31502311	Express Mach3 14.25x23
QS5075X	Lightspeed 13.75x23LH	required*	906-31502321	Express Mach3 14.25x23 LH
QS5114X	Silverado 13.375x14	required*	906-31431330	Express Mach4 14x13
QS5116X	Silverado 13.125x16	required*	906-31431512	Express Mach3 13.75x15
QS5118X	Silverado 13x18	required*	906-31431712	Express Mach3 13.25x17
QS5120X	Lightspeed 13.25x20	required*	906-31431912	Express Mach3 13.25x19
QS5122X	Lightspeed 13.5x22	required*	906-31432112	Express Mach3 13.25x21
QS5136X,H	Silverado 13.125x16	required*	906-31431512	Express Mach3 13.75x15
QS5138X,H	Silverado 13x18	required*	906-31431712	Express Mach3 13.25x17
QS5140X,H	Lightspeed 13.25x20	required*	906-31431912	Express Mach3 13.25x19
QS5142, H	Lightspeed 13.5x22	required*	906-31432112	Express Mach3 13.25x21
QS5164X,R	Silverado 11x12	required*	906-31301212	Express Mach3 10.75x12
QS5166X,R	Silverado 10.5x13	required*	906-31301312	Express Mach3 10.5x13
QS5168X,R	Silverado 10.375x14	required*	906-31301412	Express Mach3 10.375x14
QS5170X,R	Silverado 10.25x15	required*	906-31301412	Express Mach3 10.375x14
QS5180R	Silverado 10.375x13	904-11200100	906-31201311	Express Mach3 10.5x13
QS5216H	Silverado 13.125x16	required*	906-31431512	Express Mach3 13.75x15
QS5218H	Silverado 13x18	required*	906-31431712	Express Mach3 13.25x17
QS5220H	Lightspeed 13.25x20	required*	906-31431912	Express Mach3 13.25x19
QS5222H	Lightspeed 13.5x22	required*	906-31432112	Express Mach3 13.25x21
TA1912, X	Black Diamond 15x17	required*	904-21501711	Hustler 14.25x17
TA1916, X	Black Diamond 14.5x19	required*	904-21501911	Hustler 14.25x19
TA1918, X	Black Diamond 14.25x21	required*	904-21502111	Hustler 14.25x21
TA1920, X	Black Diamond 14x23	required*	904-21502311	Hustler 14.25x23
TA2008, X	Black Diamond 15.25x15	required*	904-21501511	Hustler 15.25x15
TA2012, X	Black Diamond 14.5x17	required*	904-21501711	Hustler 14.25x17
TA2016, X	Black Diamond 14x19	required*	904-21501911	Hustler 14.25x19
TA2018, X	Black Diamond 13.75x21	required*	904-21502111	Hustler 14.25x21
TA2020, X	Black Diamond 13.5x23	required*	904-21502311	Hustler 14.25x23
TA2030, X	Black Diamond 14x11	required*	904-21431111	Hustler 14x11
TA2032, X	Black Diamond 14x13	required*	904-21431311	Hustler 14x13
TA2034, X	Black Diamond 13.75x15	required*	904-21431511	Hustler 13.75x15
TA2036, X	Black Diamond 13.25x17	required*	904-21431711	Hustler 13.25x17
TA2038, X	Black Diamond 13x19	required*	904-21431911	Hustler 13.25x19
TA2040, X	Black Diamond 12.75x21	required*	904-21432111	Hustler 13.25x21
TA2042, X	Black Diamond 12.5x23	required*	904-21432311	Hustler 13.25x23
TA2048	Black Diamond 13.75x15	required*	904-21431511	Hustler 13.75x15
TA2050	Black Diamond 13.25x17	required*	904-21431711	Hustler 13.25x17
TA2052	Black Diamond 13x19	required*	904-21431911	Hustler 13.25x19
TA2054	Black Diamond 12.75x21	required*	904-21432111	Hustler 13.25x21
TA2060, T	Black Diamond 12.5x8	required*	904-21300810	Hustler 12.5x8
TA2062, T	Black Diamond 12.25x9	required*	904-21301010	Hustler 12x10.5
TA2064, T	Black Diamond 11.25x10	required*	904-21301010	Hustler 12x10.5
TA2066, T	Black Diamond 12x10.5	required*	904-21301010	Hustler 12x10.5
TA2068, T	Black Diamond 11.625x10.5	required*	904-21301010	Hustler 12x10.5
TA2070, T	Black Diamond 10.875x11	required*	904-21301110	Hustler 10.875x11
TA2072, T	Black Diamond 10.75x12	required*	904-21301210	Hustler 10.75x12
TA2074, T	Black Diamond 10.625x12	required*	904-21301210	Hustler 10.75x12
TA2076, T	Black Diamond 10.5x13	required*	904-21301310	Hustler 10.5x13
TA2078, T	Black Diamond 10.375x13	required*	904-21301310	Hustler 10.5x13
TA2080, T	Black Diamond 10.375x14	required*	904-21301410	Hustler 10.375x14
TA2082, T	Black Diamond 10.25x14	required*	904-21301410	Hustler 10.375x14

For more information see:
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QUICKSILVER® CROSSOVER TO TURNING POINT

QS Part #	QS Description	CC Kit Part #	CC Prop Part #	TP Prop Description
TA2084, T	Black Diamond 10.125x15	required*	904-21301510	Hustler 10.125x15
TA2102, T	Black Diamond 10.375x11	904-11200100	904-21201110	Hustler 10.5x11
TA2104	Black Diamond 10.375X12	904-11200100	904-21201110	Hustler 10.5x11
TA2106, T	Black Diamond 10.375x13	904-11200100	904-21201310	Hustler 10.125x13
TA2126T	Black Diamond 9x8	904-11100100	904-21100910	Hustler 9x9
TA2128	Black Diamond 9x9	904-11100100	904-21100910	Hustler 9x9
TA2128T	Black Diamond 9x9	904-11100100	904-21100910	Hustler 9x9
TA2130T	Black Diamond 9x10.5	904-11100100	904-21101010	Hustler 9x10
TA2182, X	Black Diamond 4 15x16	required*	904-21501530	Hustler 15x15 4B
TA2183, X	Black Diamond 4 15x16LH	required*	904-21501540	Hustler 15x15 4B LH
TA2184, X	Black Diamond 4 14.5x18	required*	904-21501730	Hustler 14.5x17 4B
TA2185, X	Black Diamond 4 14.5x18LH	required*	904-21501740	Hustler 14.5x17 4B LH
TA2186, X	Black Diamond 4 14x20	required*	904-21501930	Hustler 14x19 4B
TA2187, X	Black Diamond 4 14x20LH	required*	904-21501940	Hustler 14x19 4B LH
TA2202	Black Diamond 12.75x21	required*	904-21432111	Hustler 13.25x21
TA2204	Black Diamond 13x19	required*	904-21431911	Hustler 13.25x19
TA2206	Black Diamond 13.25x17	required*	904-21431711	Hustler 13.25x17
TA2208	Black Diamond 13.75X15	required*	904-21431511	Hustler 13.75x15
TA2230T	Black Diamond 11.5x13	required*	904-21301310	Hustler 10.5x13
TA2232T	Black Diamond 11.5x14	required*	904-21301410	Hustler 10.375x14
TA2234T	Black Diamond 11.5x15	required*	904-21301510	Hustler 10.125x15
TA2248T	Black Diamond 10.25x11	904-11200600	904-21221110	Hustler 10.5x11
TA2254T	Black Diamond 10.25x13	904-11200600	904-21221310	Hustler 10.125x13
TA2270T	Black Diamond 9.25x10	904-11200600	904-21101010	Hustler 9x10
TA2274T	Black Diamond 9.25x11	904-11200600	904-21101010	Hustler 9x10
TA3008X	Black Diamond XT 15.25x15	required*	904-21501511	Hustler 15.25x15
TA3012X	Black Diamond XT 15x17	required*	904-21501730	Hustler 14.5x17 4B
TA3016X	Black Diamond XT 14.5x19	required*	904-21501911	Hustler 14.25x19
TA3018X	Black Diamond XT 14.25x21	required*	904-21502111	Hustler 14.25x21
TA3020X	Black Diamond XT 14x23	required*	904-21502311	Hustler 14.25x23
TA3030T	Black Diamond 14x11	required*	904-21431111	Hustler 14x11
TA3032T	Black Diamond 14x13	required*	904-21431311	Hustler 14x13
TA3034T	Black Diamond 13.75x15	required*	904-21431511	Hustler 13.75x15
TA3036T	Black Diamond 13.25x17	required*	904-21431711	Hustler 13.25x17
TA3038T	Black Diamond 14x17	required*	904-21431711	Hustler 13.25x17
TA3040T	Black Diamond 13x19	required*	904-21431911	Hustler 13.25x19
TA3042T	Black Diamond 14x19	required*	904-21431911	Hustler 13.25x19
TA3046T	Black Diamond 12.75x21	required*	904-21432111	Hustler 13.25x21
TA3048T	Black Diamond 14x21	required*	904-21432111	Hustler 13.25x21
TA3080T	Black Diamond 13x11	required*	904-21311010	Hustler 12x10.5
TA3082T	Black Diamond 12.5x13	required*	904-21311310	Hustler 12.5x13
TA3084T	Black Diamond 12.25x15	required*	904-21311510	Hustler 12.125x15
TA3088T	Black Diamond 11.75x17	required*	904-21311710	Hustler 11.75x17
TA3102T	Black Diamond 10.5x13	904-11200200	904-21201310	Hustler 10.125x13
TA3114T	Black Diamond 10.5x11	904-11200200	904-21201110	Hustler 10.5x11
TA3118T	Black Diamond 10x13	904-11200200	904-21201310	Hustler 10.125x13
TA3168T	Black Diamond 9.5x10	904-11100201	904-21101010	Hustler 9x10
TA3170T	Black Diamond 9x11	904-11100201	904-21101010	Hustler 9x10
TA3504T	Black Diamond XT 14x19	required*	904-21501911	Hustler 14.25x19
TA3506T	Black Diamond XT 14x21	required*	904-21502111	Hustler 14.25x21
TA3514T	Black Diamond XT 15x17	required*	904-21501730	Hustler 14.5x17 4B
TA3515T	Black Diamond XT 15x17LH	required*	904-21501740	Hustler 14.5x17 4B
TA3534T	Black Diamond XT 14x19	required*	904-21501911	Hustler 14.25x19
TA3536T	Black Diamond XT 14x21	required*	904-21502111	Hustler 14.25x21
TA3542T	Black Diamond XT 15x17	required*	904-21501730	Hustler 14.5x17 4B
TA3543T	Black Diamond XT 15x17LH	required*	904-21501740	Hustler 14.5x17 4B LH
TA3544T	Black Diamond XT 15x19	required*	904-21501930	Hustler 14x19 4B
TA3545T	Black Diamond XT 15x19LH	required*	904-21501940	Hustler 14x19 4B LH
TA3808T	Black Diamond 9.875x10.5	904-11200800	904-21211110	Hustler 10.325x11
TA3810T	Black Diamond 9.875x11.25	904-11200500	904-21211110	Hustler 10.325x11
TA3814T	Black Diamond 9.875x13	904-11200500	904-21211310	Hustler 10.325x13
TA3902T	Black Diamond 9.25x8	904-11100501	904-21100910	Hustler 9x9
TA3906T	Black Diamond 9.25x9	904-11100501	904-21100910	Hustler 9x9
TA3914T	Black Diamond 9.25x10.5	904-11100501	904-21101010	Hustler 9x10
TS1006	Thunderbolt 15.25x19	required*	906-31511910	Express Mach3 OS 15.6x19
TS1007	Thunderbolt 15.25 X19	required*	906-31511920	Express Mach3 OS 15.6x19 LH
TS1008	Thunderbolt 21	required*	906-31512110	Express Mach3 OS 15.6x21
TS1009	Thunderbolt 21LH	required*	906-31512120	Express Mach3 OS 15.6x21 LH
TS1010	Thunderbolt 23	required*	906-31512310	Express Mach3 OS 15.6x23
TS1011	Thunderbolt (LH) 23LH	required*	906-31512320	Express Mach3 OS 15.6x23 LH
TS1052	Silverado 15.5x17	required*	906-31511710	Express Mach3 OS 15.6x17
TS1053	Silverado 15.5x17LH	required*	906-31511720	Express Mach3 OS 15.6x17 LH
TS1054	Silverado 19	required*	906-31511910	Express Mach3 OS 15.6x19
TS1055	Silverado 19LH	required*	906-31511920	Express Mach3 OS 15.6x19 LH
TS1056	Silverado 21	required*	906-31512110	Express Mach3 OS 15.6x21
TS1057	Silverado 21LH	required*	906-31512120	Express Mach3 OS 15.6x21 LH
TS1070	Lightspeed 19	required*	906-31511910	Express Mach3 OS 15.6x19
TS1071	Lightspeed 19LH	required*	906-31511920	Express Mach3 OS 15.6x19 LH
TS1072	Lightspeed 21	required*	906-31512110	Express Mach3 OS 15.6x21
TS1073	Lightspeed 21LH	required*	906-31512120	Express Mach3 OS 15.6x21 LH
TS1074	Lightspeed 23	required*	906-31512310	Express Mach3 OS 15.6x23
TS1075	Lightspeed 23LH	required*	906-31512320	Express Mach3 OS 15.6x23 LH
TS1116	Silverado 13.125x16	required*	906-31431512	Express Mach3 13.75x15
TS1118	Silverado 13x18	required*	906-31431712	Express Mach3 13.25x17
TS1120	Lightspeed 13.25x20	required*	906-31431912	Express Mach3 13.25x19
TS1122	Lightspeed 13.5x22	required*	906-31432112	Express Mach3 13.25x21
TS1164T	Silverado 11x12	required*	906-31301212	Express Mach3 10.75x12
TS1166T	Silverado 10.5x13	required*	906-31301312	Express Mach3 10.5x13
TS1168T	Silverado 10.375x14	required*	906-31301412	Express Mach3 10.375x14

For more information see:
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MICHIGAN WHEEL® CROSSOVER TO TURNING POINT

MW Prop Part #	For Engine	MW Prop Description	CC Kit Part #	CC Prop Part #	TP Prop Description
011001	Evinrude, Johnson, OMC	Match 13.75x13, 3B,A,R	904-11500300	904-21431311	Hustler 14x13, 3B,A,R
011002	Evinrude, Johnson, OMC	Match 13.5x15, 3B,A,R	904-11500300	904-21431511	Hustler 13.75x15, 3B,A,R
011003	Evinrude, Johnson, OMC	Match 13.25x17, 3B,A,R	904-11500300	904-21431711	Hustler 13.25x17, 3B,A,R
011004	Evinrude, Johnson, OMC	Match 13x19, 3B,A,R	904-11500300	904-21431911	Hustler 13.25x19, 3B,A,R
011005	Evinrude, Johnson, OMC	Match 13x21, 3B,A,R	904-11500300	904-21432111	Hustler 13.25x21, 3B,A,R
011006	Evinrude, Johnson, OMC	Match 15.5x15, 3B,A,R	904-11500200	904-21501511	Hustler 15.25x15, 3B,A,R
011007	Evinrude, Johnson, OMC	Match 15x17, 3B,A,R	904-11500200	904-21501711	Hustler 14.25x17, 3B,A,R
011008	Evinrude, Johnson, OMC	Match 14.5x19, 3B,A,R	904-11500200	904-21501911	Hustler 14.25x19, 3B,A,R
011009	Evinrude, Johnson, OMC	Match 14.25x21, 3B,A,R	904-11500200	904-21502111	Hustler 14.25x21, 3B,A,R
011024	Evinrude, Johnson, OMC	Match 14x17, 3B,A,R	904-11500300	904-21431711	Hustler 13.25x17, 3B,A,R
011025	Evinrude, Johnson, OMC	Match 14x19, 3B,A,R	904-11500300	904-21431911	Hustler 13.25x19, 3B,A,R
011027	Evinrude, Johnson	Match 12.25x15, 3B,A,R	904-11300200	904-21301510	Hustler 10.125x15, 3B,A,R
011028	Evinrude, Johnson	Match 11.75x17, 3B,A,R	904-11300200	904-21311710	Hustler 12.75x17, 3B,A,R
012036	Evinrude, Johnson	Match 13x11, 3B,A,R	904-11300200	904-21311010	Hustler 12x10.5, 3B,A,R
012037	Evinrude, Johnson	Match 12.5x13, 3B,A,R	904-11300200	904-21311310	Hustler 12.5x13, 3B,A,R
012047	Evinrude, Johnson, OMC	Match 14x11, 3B,A,R	904-11500300	904-21431111	Hustler 14x11, 3B,A,R
012055	Evinrude, Johnson	Match 10.5x11, 3B,A,R	904-11200200	904-21201110	Hustler 10.5x11, 3B,A,R
012056	Evinrude, Johnson	Match 10x13, 3B,A,R	904-11200200	904-21201310	Hustler 10.125x13, 3B,A,R
022004	Yamaha	Match 9.875x11.25, 3B,A,R	904-11200500	904-21211110	Hustler 10.375x11, 3B,A,R
022005	Yamaha	Match 9.875x13, 3B,A,R	904-11200500	904-21211310	Hustler 10.375x13, 3B,A,R
031015	Mercury, Mariner, Force	Match 11.25x10, 3B,A,R	904-11300101	904-21301010	Hustler 12x10.5, 3B,A,R
031016	Mercury, Mariner, Force	Match 10.625x12, 3B,A,R	904-11300101	904-21301210	Hustler 10.75x12, 3B,A,R
031017	Mercury, Mariner, Force	Match 10.375x13, 3B,A,R	904-11300101	904-21301310	Hustler 10.5x13, 3B,A,R
031018	Mercury, Mariner, Force	Match 10.25x14, 3B,A,R	904-11300101	904-21301410	Hustler 10.375x14, 3B,A,R
031019	Mercury, Mariner, Force	Match 10.125x15, 3B,A,R	904-11300101	904-21301510	Hustler 10.125x15, 3B,A,R
031023	Mercury, Mariner, MerCruiser	Match 15.25x15, 3B,A,R	904-11500100	904-21501511	Hustler 15.25x15, 3B,A,R
031023	Honda, Nissan, Tohatsu	Match 15.25x15, 3B,A,R	904-11500800	904-21501511	Hustler 15.25x15, 3B,A,R
031024	Mercury, Mariner, MerCruiser	Match 14.5x17, 3B,A,R	904-11500100	904-21501711	Hustler 14.25x17, 3B,A,R
031024	Honda, Nissan, Tohatsu	Match 14.5x17, 3B,A,R	904-11500800	904-21501711	Hustler 14.25x17, 3B,A,R
031025	Mercury, Mariner, MerCruiser	Match 14x19, 3B,A,R	904-11500100	904-21501911	Hustler 14.25x19, 3B,A,R
031025	Honda, Nissan, Tohatsu	Match 14x19, 3B,A,R	904-11500800	904-21501911	Hustler 14.25x19, 3B,A,R
031026	Mercury, Mariner, MerCruiser	Match 13.75x21, 3B,A,R	904-11500100	904-21502111	Hustler 14.25x21, 3B,A,R
031026	Honda, Nissan, Tohatsu	Match 13.75x21, 3B,A,R	904-11500800	904-21502111	Hustler 14.25x21, 3B,A,R
031041	Honda	Match 13.5x15, 3B,A,R	904-11500100	904-21431511	Hustler 13.75x15, 3B,A,R
031041	Mercury, Mariner, Force	Match 13.5x15, 3B,A,R	904-11500100	904-21431511	Hustler 13.75x15, 3B,A,R
031041	Nissan, Tohatsu	Match 13.75x15, 3B,A,R	904-11500700	904-21431511	Hustler 13.75x15, 3B,A,R
031042	Honda	Match 13.25x17, 3B,A,R	904-11500100	904-21431711	Hustler 13.25x17, 3B,A,R
031042	Mercury, Mariner, Force	Match 13.25x17, 3B,A,R	904-11500100	904-21431711	Hustler 13.25x17, 3B,A,R
031042	Nissan, Tohatsu	Match 13.25x17, 3B,A,R	904-11500700	904-21431711	Hustler 13.25x17, 3B,A,R
031043	Honda	Match 13x19, 3B,A,R	904-11500100	904-21431911	Hustler 13.25x19, 3B,A,R
031043	Mercury, Mariner, Force	Match 13x19, 3B,A,R	904-11500100	904-21431911	Hustler 13.25x19, 3B,A,R
031043	Nissan, Tohatsu	Match 13x19, 3B,A,R	904-11500700	904-21431911	Hustler 13.25x19, 3B,A,R
031044	Honda	Match 13x21, 3B,A,R	904-11500100	904-21432111	Hustler 13.25x21, 3B,A,R
031044	Mercury, Mariner, Force	Match 13x21, 3B,A,R	904-11500100	904-21432111	Hustler 13.25x21, 3B,A,R
031044	Nissan, Tohatsu	Match 13x21, 3B,A,R	904-11500700	904-21432111	Hustler 13.25x21, 3B,A,R
031045	Honda	Match 12.5x23, 3B,A,R	904-11500100	904-21432311	Hustler 13.25x23, 3B,A,R
031045	Mercury, Mariner, Force	Match 12.5x23, 3B,A,R	904-11500100	904-21432311	Hustler 13.25x23, 3B,A,R
031045	Nissan, Tohatsu	Match 12.5x23, 3B,A,R	904-11500700	904-21432311	Hustler 13.25x23, 3B,A,R
031048	Mercury, Mariner	Match 10.375x13, 3B,A,R	904-11200100	904-21201310	Hustler 10.125x13, 3B,A,R
031049	Mercury, Mariner	Match 10.375x11, 3B,A,R	904-11200100	904-21201110	Hustler 10.5x11, 3B,A,R
031052	Honda, Nissan, Tohatsu	Match 15.5x18, 3B,A,R	904-11500800	904-21501911	Hustler 14.25x19, 3B,A,R
031053	Mercury, Mariner, Force	Match 10.875x11, 3B,A,R	904-11300101	904-21301110	Hustler 10.875x11, 3B,A,R
031055	Mercury, Mariner, Force	Match 14x13, 3B,A,R	904-11500100	904-21431311	Hustler 14x13, 3B,A,R
031055	Nissan, Tohatsu	Match 14x13, 3B,A,R	904-11500700	904-21431311	Hustler 14x13, 3B,A,R
031055	Honda	Match 14x13, 3B,A,R	904-11500100	904-21431311	Hustler 14x13, 3B,A,R
031056	Mercury, Mariner, Force	Match 10.75x12, 3B,A,R	904-11300101	904-21301210	Hustler 10.75x12, 3B,A,R
031057	Mercury, Mariner, Force	Match 10.5x13, 3B,A,R	904-11300101	904-21301310	Hustler 10.5x13, 3B,A,R
031058	Mercury, Mariner, Force	Match 10.375x14, 3B,A,R	904-11300101	904-21301410	Hustler 10.375x14, 3B,A,R
031064	Mercury, Mariner, MerCruiser	Match 15x17, 3B,A,R	904-11500100	904-21501711	Hustler 14.25x17, 3B,A,R
031064	Honda, Nissan, Tohatsu	Match 15x17, 3B,A,R	904-11500800	904-21501711	Hustler 14.25x17, 3B,A,R
031065	Mercury, Mariner, MerCruiser	Match 14.5x19, 3B,A,R	904-11500100	904-21501911	Hustler 14.25x19, 3B,A,R
031065	Honda, Nissan, Tohatsu	Match 14.5x19, 3B,A,R	904-11500800	904-21501911	Hustler 14.25x19, 3B,A,R
031066	Mercury, Mariner	Match 14.25x21, 3B,A,R	904-11500100	904-21502111	Hustler 14.25x21, 3B,A,R
031066	Honda, Nissan, Tohatsu	Match 14.25x21, 3B,A,R	904-11500800	904-21502111	Hustler 14.25x21, 3B,A,R
031074	Honda	Match 10.625x12, 3B,A,R	904-11300101	904-21301210	Hustler 10.75x12, 3B,A,R
031074	Mercury, Mariner	Match 10.625x12, 3B,A,R	904-11300101	904-21301210	Hustler 10.75x12, 3B,A,R
031074	Yamaha	Match 10.625x12, 3B,A,R	904-11300200	904-21301210	Hustler 10.75x12, 3B,A,R
031075	Honda	Match 11.375x13, 3B,A,R	904-11300101	904-21301310	Hustler 10.5x13, 3B,A,R
031075	Mercury, Mariner	Match 10.375x13, 3B,A,R	904-11300101	904-21301310	Hustler 10.5x13, 3B,A,R
031075	Yamaha	Match 10.375x13, 3B,A,R	904-11300200	904-21301310	Hustler 10.5x13, 3B,A,R
031076	Honda	Match 10.25x14, 3B,A,R	904-11300101	904-21301410	Hustler 10.375x14, 3B,A,R
031076	Mercury, Mariner	Match 10.25x14, 3B,A,R	904-11300101	904-21301410	Hustler 10.375x14, 3B,A,R
031076	Yamaha	Match 10.25x14, 3B,A,R	904-11300200	904-21301410	Hustler 10.375x14, 3B,A,R
031254	Honda	Match 14x11, 3B,A,R	904-11500100	904-21431111	Hustler 14x11, 3B,A,R
031254	Mercury, Mariner, Force	Match 14x11, 3B,A,R	904-11500100	904-21431111	Hustler 14x11, 3B,A,R
031254	Nissan, Tohatsu	Match 14x11, 3B,A,R	904-11500700	904-21431111	Hustler 14x11, 3B,A,R
032040	Honda	Match 11x15, 3B,A,R	904-11300101	904-21301510	Hustler 10.125x15, 3B,A,R
032040	Mercury, Mariner	Match 11x15, 3B,A,R	904-11300101	904-21301510	Hustler 10.125x15, 3B,A,R
032040	Yamaha	Match 11x15, 3B,A,R	904-11300200	904-21301510	Hustler 10.125x15, 3B,A,R
032041	Honda	Match 11.25x14, 3B,A,R	904-11300101	904-21301410	Hustler 10.375x14, 3B,A,R
032041	Mercury, Mariner	Match 11.25x14, 3B,A,R	904-11300101	904-21301410	Hustler 10.375x14, 3B,A,R
032041	Yamaha	Match 11.25x14, 3B,A,R	904-11300200	904-21301410	Hustler 10.375x14, 3B,A,R

MICHIGAN WHEEL® CROSSOVER TO TURNING POINT

MW Prop Part #	For Engine	MW Prop Description	CC Kit Part #	CC Prop Part #	TP Prop Description
032041	Mercury, Mariner	Match 11.25x14, 3B,A,R	904-11300101	904-21301410	Hustler 10.375x14, 3B,A,R
032041	Yamaha	Match 11.25x14, 3B,A,R	904-11300200	904-21301410	Hustler 10.375x14, 3B,A,R
032042	Honda	Match 11.125x13, 3B,A,R	904-11300101	904-21301310	Hustler 10.5x13, 3B,A,R
032042	Mercury, Mariner	Match 11.125x13, 3B,A,R	904-11300101	904-21301310	Hustler 10.5x13, 3B,A,R
032042	Yamaha	Match 11.125x13, 3B,A,R	904-11300200	904-21301310	Hustler 10.5x13, 3B,A,R
032043	Honda	Match 11.375x12, 3B,A,R	904-11300101	904-21301210	Hustler 10.75x12, 3B,A,R
032043	Mercury, Mariner	Match 11.375x12, 3B,A,R	904-11300101	904-21301210	Hustler 10.75x12, 3B,A,R
032043	Yamaha	Match 11.375x12, 3B,A,R	904-11300200	904-21301210	Hustler 10.75x12, 3B,A,R
032044	Honda	Match 11.625x11, 3B,A,R	904-11300101	904-21301110	Hustler 10.875x11, 3B,A,R
032044	Mercury, Mariner	Match 11.625x11, 3B,A,R	904-11300101	904-21301110	Hustler 10.875x11, 3B,A,R
032044	Yamaha	Match 11.625x11, 3B,A,R	904-11300200	904-21301110	Hustler 10.875x11, 3B,A,R
032045	Evinrude, Johnson	Match 11.75x10, 3B,A,R	904-11300101	904-21301010	Hustler 12x10.5, 3B,A,R
032045	Honda	Match 11.75x10, 3B,A,R	904-11300101	904-21301010	Hustler 12x10.5, 3B,A,R
032045	Mercury, Mariner	Match 11.75x10, 3B,A,R	904-11300101	904-21301010	Hustler 12x10.5, 3B,A,R
032045	Suzuki	Match 11.75x10, 3B,A,R	904-11300101	904-21301010	Hustler 12x10.5, 3B,A,R
032045	Yamaha	Match 11.75x10, 3B,A,R	904-11300200	904-21301010	Hustler 12x10.5, 3B,A,R
032046	Evinrude, Johnson	Match 12.25x9, 3B,A,R	904-11300101	904-21300810	Hustler 12.5x8, 3B,A,R
032046	Honda	Match 12.25x9, 3B,A,R	904-11300101	904-21300810	Hustler 12.5x8, 3B,A,R
032046	Mercury, Mariner	Match 12.25x9, 3B,A,R	904-11300101	904-21300810	Hustler 12.5x8, 3B,A,R
032046	Suzuki	Match 12.25x9, 3B,A,R	904-11300101	904-21300810	Hustler 12.5x8, 3B,A,R
032050	Mercury, Mariner	Match 9x10.5, 3B,A,R	904-11100101	904-21101010	Hustler 9x10, 3B,A,R
032052	Mercury, Mariner	Match 9x9, 3B,A,R	904-11100101	904-21100910	Hustler 9x9, 3B,A,R
032141	Mercury, Mariner, Force	Match 12.5x8, 3B,A,R	904-11300101	904-21300810	Hustler 12.5x8, 3B,A,R
032142	Mercury, Mariner, Force	Match 12x10.5, 3B,A,R	904-11300101	904-21301010	Hustler 12x10.5, 3B,A,R
032143	Mercury, Mariner, Force	Match 12.25x9, 3B,A,R	904-11300101	904-21300810	Hustler 12.5x8, 3B,A,R
061020	Johnson	Match 14x15, 3B,A,R	904-11500600	904-21431530	Hustler 13.5x15, 4B,A,R
061020	Suzuki	Match 14x15, 3B,A,R	904-11500100	904-21431530	Hustler 13.5x15, 4B,A,R
061024	Johnson	Match 14x17, 3B,A,R	904-11500600	904-21431730	Hustler 13.25x17, 4B,A,R
061024	Suzuki	Match 14x17, 3B,A,R	904-11500100	904-21431730	Hustler 13.25x17, 4B,A,R
061028	Johnson	Match 14x19, 3B,A,R	904-11500600	904-21431930	Hustler 13x19, 4B,A,R
061028	Suzuki	Match 14x19, 3B,A,R	904-11500100	904-21431930	Hustler 13x19, 4B,A,R
061032	Johnson	Match 14x21, 3B,A,R	904-11500200	904-21432130	Hustler 13x21, 4B,A,R
061032	Suzuki	Match 14x21, 3B,A,R	904-11500100	904-21432130	Hustler 13x21, 4B,A,R
061103	Suzuki	Match 13x19, 3B,A,R	904-11500100	904-21431911	Hustler 13.25x19, 3B,A,R
061104	Suzuki	Match 13x21, 3B,A,R	904-11500100	904-21432111	Hustler 13.25x21, 3B,A,R
062103	Evinrude, Johnson	Match 9.25x9, 3B,A,R	904-11100601	904-21100910	Hustler 9x9, 3B,A,R
062103	Suzuki	Match 9.25x9, 3B,A,R	904-11100601	904-21100910	Hustler 9x9, 3B,A,R
062104	Evinrude, Johnson	Match 9.25x10, 3B,A,R	904-11100601	904-21101010	Hustler 9x10, 3B,A,R
062104	Suzuki	Match 9.25x10, 3B,A,R	904-11100601	904-21101010	Hustler 9x10, 3B,A,R
062205	Evinrude, Johnson	Match 10.25x11, 3B,A,R	904-11200200	904-21201110	Hustler 10.5x11, 3B,A,R
062205	Suzuki	Match 10.25x11, 3B,A,R	904-11200600	904-21221110	Hustler 10.5x11, 3B,A,R
062207	Evinrude, Johnson	Match 10.25x13, 3B,A,R	904-11200200	904-21201310	Hustler 10.125x13, 3B,A,R
062207	Suzuki	Match 10.25x13, 3B,A,R	904-11200600	904-21211310	Hustler 10.375x13, 3B,A,R
062211	Evinrude, Johnson	Match 11.5x11, 3B,A,R	904-11300101	904-21301110	Hustler 10.875x11, 3B,A,R
062211	Suzuki	Match 11.5x11, 3B,A,R	904-11300101	904-21301110	Hustler 10.875x11, 3B,A,R
062212	Evinrude, Johnson	Match 11.5x12, 3B,A,R	904-11300101	904-21301210	Hustler 10.75x12, 3B,A,R
062212	Suzuki	Match 11.5x12, 3B,A,R	904-11300101	904-21301210	Hustler 10.75x12, 3B,A,R
062213	Evinrude, Johnson	Match 11.5x13, 3B,A,R	904-11300101	904-21301310	Hustler 10.5x13, 3B,A,R
062213	Suzuki	Match 11.5x13, 3B,A,R	904-11300101	904-21301310	Hustler 10.5x13, 3B,A,R
062214	Evinrude, Johnson	Match 11.5x14, 3B,A,R	904-11300101	904-21301410	Hustler 10.375x14, 3B,A,R
062214	Suzuki	Match 11.5x14, 3B,A,R	904-11300101	904-21301410	Hustler 10.375x14, 3B,A,R
062215	Evinrude, Johnson	Match 11.25x15, 3B,A,R	904-11300101	904-21301510	Hustler 10.125x15, 3B,A,R
062215	Suzuki	Match 11.25x15, 3B,A,R	904-11300101	904-21301510	Hustler 10.125x15, 3B,A,R
101025	Yamaha	Match 15.25x15, 3B,A,R	904-11500500	904-21501511	Hustler 15.25x15, 3B,A,R
101027	Yamaha	Match 14.5x17, 3B,A,R	904-11500500	904-21501711	Hustler 14.25x17, 3B,A,R
101028	Yamaha	Match 14x19, 3B,A,R	904-11500500	904-21501911	Hustler 14.25x19, 3B,A,R
101029	Yamaha	Match 13.75x21, 3B,A,R	904-11500500	904-21502111	Hustler 14.25x21, 3B,A,R
101031	Yamaha	Match 13.625x13, 3B,A,R	904-11500000	904-21431311	Hustler 14x13, 3B,A,R
101032	Yamaha	Match 13.5x15, 3B,A,R	904-11500000	904-21431511	Hustler 13.75x15, 3B,A,R
101033	Yamaha	Match 13.25x17, 3B,A,R	904-11500000	904-21431711	Hustler 13.25x17, 3B,A,R
101034	Yamaha	Match 13x19, 3B,A,R	904-11500000	904-21431911	Hustler 13.25x19, 3B,A,R
101035	Yamaha	Match 12.625x21, 3B,A,R	904-11500000	904-21432111	Hustler 13.25x21, 3B,A,R
101036	Yamaha	Match 14x11, 3B,A,R	904-11500000	904-21431111	Hustler 14x11, 3B,A,R
102003	Honda	Match 9.25x8, 3B,A,R	904-11100501	904-21100910	Hustler 9x9, 3B,A,R
102004	Honda	Match 9.25x9, 3B,A,R	904-11100501	904-21100910	Hustler 9x9, 3B,A,R
102004	Yamaha	Match 9.25x9, 3B,A,R	904-11100501	904-21100910	Hustler 9x9, 3B,A,R
102005	Honda	Match 9.25x10.5, 3B,A,R	904-11100501	904-21101010	Hustler 9x10, 3B,A,R
102005	Yamaha	Match 9.25x10.5, 3B,A,R	904-11100501	904-21101010	Hustler 9x10, 3B,A,R
111105	Honda	Match 9.875x11, 3B,A,R	904-11200100	904-21201110	Hustler 10.5x11, 3B,A,R
111108	Honda	Match 9.875x13, 3B,A,R	904-11200100	904-21201310	Hustler 10.125x13, 3B,A,R
141217	Nissan, Tohatsu	Match 13.25x17, 3B,A,R	904-11500500	904-21431711	Hustler 13.25x17, 3B,A,R
141219	Nissan, Tohatsu	Match 13x19, 3B,A,R	904-11500500	904-21431911	Hustler 13.25x19, 3B,A,R
141221	Nissan, Tohatsu	Match 12.625x20, 3B,A,R	904-11500500	904-21432111	Hustler 13.25x21, 3B,A,R
141305	Mercury	Match 9.875x11, 3B,A,R	904-11200800	904-21211110	Hustler 10.375x11, 3B,A,R
141305	Nissan, Tohatsu	Match 9.875x11, 3B,A,R	904-11200800	904-21211110	Hustler 10.375x11, 3B,A,R
141306	Mercury	Match 9.875x13, 3B,A,R	904-11200800	904-21211310	Hustler 10.375x13, 3B,A,R
141306	Nissan, Tohatsu	Match 9.875x13, 3B,A,R	904-11200800	904-21211310	Hustler 10.375x13, 3B,A,R
142204	Evinrude, Johnson	Match 9.25x9, 3B,A,R	904-11100601	904-21100910	Hustler 9x9, 3B,A,R
142204	Mercury, Mariner	Match 9.25x9, 3B,A,R	904-11100701	904-21100910	Hustler 9x9, 3B,A,R
142204	Nissan, Tohatsu	Match 9.25x9, 3B,A,R	904-11100701	904-21100910	Hustler 9x9, 3B,A,R
142205	Evinrude, Johnson	Match 9.25x10, 3B,A,R	904-11100601	904-21101010	Hustler 9x10, 3B,A,R
142205	Mercury, Mariner	Match 9.25x10, 3B,A,R	904-11100701	904-21101010	Hustler 9x10, 3B,A,R

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MW Prop Part #	For Engine	MW Prop Description	CC Kit Part #	CC Prop Part #	TP Prop Description
142205	Nissan, Tohatsu	Match 9.25x10, 3B,A,R	904-11100701	904-21101010	Hustler 9x10, 3B,A,R
142213	Nissan, Tohatsu	Match 13.625x13, 3B,A,R	904-11500500	904-21431311	Hustler 14x13, 3B,A,R
142215	Nissan, Tohatsu	Match 13.5x15, 3B,A,R	904-11500500	904-21431511	Hustler 13.75x15, 3B,A,R
142405	Nissan, Tohatsu	Match 11.625x11, 3B,A,R	904-11300301	904-21301110	Hustler 10.875x11, 3B,A,R
142406	Nissan, Tohatsu	Match 11.125x13, 3B,A,R	904-11300301	904-21301310	Hustler 10.5x13, 3B,A,R
142408	Nissan, Tohatsu	Match 11.75x10, 3B,A,R	904-11300301	904-21301010	Hustler 12x10.5, 3B,A,R
142409	Nissan, Tohatsu	Match 11.375x12, 3B,A,R	904-11300301	904-21301210	Hustler 10.75x12, 3B,A,R
142410	Nissan, Tohatsu	Match 11.25x14, 3B,A,R	904-11300301	904-21301410	Hustler 10.375x14, 3B,A,R
161001	Volvo Penta SX, Cobra SX	Match 15.5x15, 3B,A,R	904-11500400	904-21501511	Hustler 15.25x15, 3B,A,R
161002	Volvo Penta SX, Cobra SX	Match 15x17, 3B,A,R	904-11500400	904-21501711	Hustler 14.25x17, 3B,A,R
161003	Volvo Penta SX, Cobra SX	Match 14.5x19, 3B,A,R	904-11500400	904-21501911	Hustler 14.25x19, 3B,A,R
161004	Volvo Penta SX, Cobra SX	Match 14.25x21, 3B,A,R	904-11500400	904-21502111	Hustler 14.25x21, 3B,A,R
161005	Volvo Penta SX, Cobra SX	Match 14.25x23, 3B,A,R	904-11500400	904-21502311	Hustler 14.25x23, 3B,A,R

MW Hub Kit Crossover to TP Installation Kit

MW XHS/XHS II Hub Part #	CC Installation Kit Part #	TP Installation Kit #
000111	904-11300200	12
000112	904-11300301	13
000113	904-11300200	12
000114	904-11300101	11
000115	904-11300101	11
000116	904-11300301	13
000117	904-11300200	12
000118	904-11200600	26
000119	904-11200800	28
000120	904-11200100	21
000121	904-11200600	26
000122	904-11200800	28
000123	904-11200500	25
000200	904-11500200	502
000201	904-11500200	502
000202	904-11500100	501
000203	904-11500500	505
000204	904-11500700	507
000205	904-11500400	504
000206	904-11500300	503
000207	904-11500800	508
000208	904-11500000	500
000209	904-11300200	12
000210	904-11300301	13
000225	904-11300200	12
000226	904-11300101	11
000227	904-11300101	11
200SH	904-11300301	13
201SH	904-11300200	12
202SH	904-11200600	26
203SH	904-11200800	28
204SH	904-11200100	21
205SH	904-11200600	26
206SH	904-11200800	28
207SH	904-11200500	25
208SH	904-11500200	502
209SH	904-11500200	502
210SH	904-11500100	501
225SH	904-11500500	505
226SH	904-11500700	507
227SH	904-11500400	504
228SH	904-11500300	503

For more information see:
www.turningpointpropellers.com

MW Prop Housing Crossover to TP Prop Housing

MW Prop Part #	MW Prop Description	CC Kit Part #	CC Prop Part #	TP Prop Description
933013	Ballistic 10.125x13, 3B,S,R	*required	906-31201311	Exp. Mach3 10.125x13, 3B,S,R
933213	Ballistic 10.125x13, 3B,S,R	*required	906-31301312	Exp. Mach3 10.5x13, 3B,S,R
933415	Ballistic 13-5/8x15, 3B,S,R	*required	906-31431512	Exp. Mach3 13.75x15, 3B,S,R
933417	Ballistic 13.5x17, 3B,S,R	*required	906-31431712	Exp. Mach3 13.25x17, 3B,S,R
933419	Ballistic 13.375x19, 3B,S,R	*required	906-31431912	Exp. Mach3 13.25x19, 3B,S,R
933421	Ballistic 13.125x21, 3B,S,R	*required	906-31432112	Exp. Mach3 13.25x21, 3B,S,R
933515	Ballistic 14.875x15, 3B,S,R	*required	906-31501512	Exp. ,14.5x15, 3B,S,R
933517	Ballistic 14.75x17, 3B,S,R	*required	906-31501712	Exp. Mach3 14.25x17, 3B,S,R
933519	Ballistic 14.5x19, 3B,S,R	*required	906-31501912	Exp. Mach3 14.25x19, 3B,S,R
933521	Ballistic 14.375x21, 3B,S,R	*required	906-31502112	Exp. Mach3 14.25x21, 3B,S,R
933523	Ballistic 14.25x23, 3B,S,R	*required	906-31502311	Exp. Mach3 14.25x23, 3B,S,R
937517	Ballistic 14.75x17, 3B,S,L	*required	906-31501722	Exp. Mach3 14.25x17, 3B,S,L
937519	Ballistic 14.5x19, 3B,S,L	*required	906-31501922	Exp. Mach3 14.25x19, 3B,S,L
937521	Ballistic 14.375x21, 3B,S,L	*required	906-31502122	Exp. Mach3 14.25x21, 3B,S,L
937523	Ballistic 14.25x23, 3B,S,L	*required	906-31502321	Exp. Mach3 14.25x23, 3B,S,L
941212	Vortex 10.625x12, 4B,A,R	*required	904-21301210	Hustler 10.75x12, 3B,A,R
941213	Vortex 10.375x13, 4B,A,R	*required	904-21301310	Hustler 10.5x13, 3B,A,R
941214	Vortex 10.125x14, 4B,A,R	*required	904-21301410	Hustler 10.375x14, 3B,A,R
941215	Vortex 10.125x15, 4B,A,R	*required	904-21301510	Hustler 10.125x15, 3B,A,R
941411	Vortex 13.875x11, 4B,A,R	*required	904-21431111	Hustler 14x11, 3B,A,R
941413	Vortex 13.875x13, 4B,A,R	*required	904-21431311	Hustler 14x13, 3B,A,R
941415	Vortex 13.375x15, 4B,A,R	*required	904-21431511	Hustler 13.75x15, 3B,A,R
941417	Vortex 13x17, 4B,A,R	*required	904-21431711	Hustler 13.25x17, 3B,A,R
941419	Vortex 12.5x19, 4B,A,R	*required	904-21431911	Hustler 13.25x19, 3B,A,R
992002	Vortex 151/4x15, 3B,A,R	*required	904-21501511	Hustler 15.25x15, 3B,A,R
992003	Vortex 15x17, 3B,A,R	*required	904-21501711	Hustler 14.25x17, 3B,A,R
992004	Vortex 14.5x19, 3B,A,R	*required	904-21501911	Hustler 14.25x19, 3B,A,R
992005	Vortex 14.25x21, 3B,A,R	*required	904-21502111	Hustler 14.25x21, 3B,A,R
992006	Vortex 14x23, 3B,A,R	*required	904-21502311	Hustler 14.25x23, 3B,A,R
992111	Vortex 14x11, 3B,A,R	*required	904-21431111	Hustler 14x11, 3B,A,R
992112	Vortex 14x13, 3B,A,R	*required	904-21431311	Hustler 14x13, 3B,A,R
992113	Vortex 13.75x15, 3B,A,R	*required	904-21431511	Hustler 13.75x15, 3B,A,R
992114	Vortex 13.25x17, 3B,A,R	*required	904-21431711	Hustler 13.25x17, 3B,A,R
992115	Vortex 13x19, 3B,A,R	*required	904-21431911	Hustler 13.25x19, 3B,A,R
992116	Vortex 12.75x21, 3B,A,R	*required	904-21432111	Hustler 13.25x21, 3B,A,R
992204	Vortex 14x20, 4B,A,R	*required	904-21501911	Hustler 14.25x19, 3B,A,R
992216	Vortex 13x21, 3B,A,R	*required	904-21432111	Hustler 13.25x21, 3B,A,R
992301	Vortex 11.375x13, 3B,A,R	*required	904-21311310	Hustler 12.5x13, 3B,A,R
992302	Vortex 11.375x15, 3B,A,R	*required	904-21311510	Hustler 12.25x15, 3B,A,R
992303	Vortex 11.375x17, 3B,A,R	*required	904-21311710	Hustler 12.75x17, 3B,A,R
992311	Vortex 12.5x13, 3B,A,R	*required	904-21311310	Hustler 12.5x13, 3B,A,R
992312	Vortex 12.25x15, 3B,A,R	*required	904-21311510	Hustler 12.25x15, 3B,A,R
992401	Vortex 11.5x8, 4B,A,R	*required	904-21300810	Hustler 12.5x8, 3B,A,R
992402	Vortex 11.5x9, 4B,A,R	*required	904-21300810	Hustler 12.5x8, 3B,A,R
992403	Vortex 11.5x10, 4B,A,R	*required	904-21301010	Hustler 12x10.5, 3B,A,R
992404	Vortex 10.375x11, 3B,A,R	*required	904-21301110	Hustler 10.875x11, 3B,A,R
992405	Vortex 10.375x12, 3B,A,R	*required	904-21301210	Hustler 10.75x12, 3B,A,R
992406	Vortex 10.375x13, 3B,A,R	*required	904-21301310	Hustler 10.5x13, 3B,A,R
992407	Vortex 10.375x14, 3B,A,R	*required	904-21301410	Hustler 10.375x14, 3B,A,R
992408	Vortex 10x15, 3B,A,R	*required	904-21301510	Hustler 10.125x15, 3B,A,R
992503	Vortex 10.5x11, 3B,A,R	*required	904-21201110	Hustler 10.5x11, 3B,A,R
992505	Vortex 10.125x13, 3B,A,R	*required	904-21201310	Hustler 10.125x13, 3B,A,R
992601	Vortex 12.25x9, 3B,A,R	*required	904-21300810	Hustler 12.5x8, 3B,A,R
992602	Vortex 11.75x10, 3B,A,R	*required	904-21301010	Hustler 12x10.5, 3B,A,R
992603	Vortex 11.625x11, 3B,A,R	*required	904-21301110	Hustler 10.875x11, 3B,A,R
992604	Vortex 11.375x12, 3B,A,R	*required	904-21301210	Hustler 10.75x12, 3B,A,R
992605	Vortex 11.125x13, 3B,A,R	*required	904-21301310	Hustler 10.5x13, 3B,A,R
992606	Vortex 11.25x14, 3B,A,R	*required	904-21301410	Hustler 10.375x14, 3B,A,R
993042	Apollo 14.375x15, 3B,S,R	*required	906-31501512	Exp. ,14.5x15, 3B,S,R
993043	Apollo 14.25x17, 3B,S,R	*required	906-31501712	Exp. Mach3 14.25x17, 3B,S,R
993044	Apollo 14.125x19, 3B,S,R	*required	906-31501912	Exp. Mach3 14.25x19, 3B,S,R
993045	Apollo 14x21, 3B,S,R	*required	906-31502112	Exp. Mach3 14.25x21, 3B,S,R
993046	Apollo 13.875x23, 3B,S,R	*required	906-31502311	Exp. Mach3 14.25x23, 3B,S,R
993052	Apollo 14.375x15, 3B,S,L	*required	906-31501522	Exp. ,14.5x15, 3B,S,L

TURNING POINT PROPELLERS ALUMINUM PART LIST

MW Prop Housing Crossover to TP Prop Housing

MW Prop Part #	MW Prop Description	CC Kit Part #	CC Prop Part #	TP Prop Description
993053	Apollo 14.25x17, 3B,S,L	*required	906-31501722	Exp. Mach3 14.25x17, 3B,S,L
993054	Apollo 14.125x19, 3B,S,L	*required	906-31501922	Exp. Mach3 14.25x19, 3B,S,L
993055	Apollo 14x21, 3B,S,L	*required	906-31502122	Exp. Mach3 14.25x21, 3B,S,L
993056	Apollo 13.875x23, 3B,S,L	*required	906-31502321	Exp. Mach3 14.25x23, 3B,S,L
993143	Apollo 13.375x15, 3B,S,R	*required	906-31431512	Exp. Mach3 13.75x15, 3B,S,R
993144	Apollo 13.25x17, 3B,S,R	*required	906-31431712	Exp. Mach3 13.25x17, 3B,S,R
993145	Apollo 13.125x19, 3B,S,R	*required	906-31431912	Exp. Mach3 13.25x19, 3B,S,R
993146	Apollo 13x21, 3B,S,R	*required	906-31432112	Exp. Mach3 13.25x21, 3B,S,R
993203	Apollo 14.625x16, 4B,S,R	*required	906-31501532	Exp. Mach4 15x15, 4B,S,R
993204	Apollo 14.375x18, 4B,S,R	*required	906-31501731	Exp. Mach4 14.5x17, 4B,S,R
993205	Apollo 14.125x20, 4B,S,R	*required	906-31501931	Exp. Mach4 14x19, 4B,S,R
993206	Apollo 14x22, 4B,S,R	*required	906-31502131	Exp. Mach4 14x21, 4B,S,R
993213	Apollo 14.625x16, 4B,S,L	*required	906-31501542	Exp. Mach4 15x15, 4B,S,L
993214	Apollo 14.375x18, 4B,S,L	*required	906-31501741	Exp. Mach4 14.5x17, 4B,S,L
993215	Apollo 14.125x20, 4B,S,L	*required	906-31501941	Exp. Mach4 14x19, 4B,S,L
993216	Apollo 14x22, 4B,S,L	*required	906-31502141	Exp. Mach4 14x21, 4B,S,L
993405	Apollo 10.75x12, 3B,S,R	*required	906-31301212	Exp. Mach3 10.75x12, 3B,S,R
993406	Apollo 10.5x13, 3B,S,R	*required	906-31301312	Exp. Mach3 10.5x13, 3B,S,R
993407	Apollo 10.375x14, 3B,S,R	*required	906-31301412	Exp. Mach3 10.375x14, 3B,S,R

TURNING POINT® PROPELLERS

Aluminum Propeller Part List (Installation/Hub Kit Required)

Left Rotation Right Rotation (standard)

CC Part #	B	R	Props For 2.5" Gearcase Use 200 Series Installation Kits
904-21100910	3	RH	Hustler 9X9 Prop Housing
904-21101010	3	RH	Hustler 9X10 Prop Housing
904-21110910	3	RH	Hustler 9X9 Prop Housing
904-21111010	3	RH	Hustler 9X10 Prop Housing

CC Part #	B	R	Props For 3" Gearcase Use 20 Series Installation Kits
904-21201110	3	RH	Hustler 10.5 X 11 Prop Housing
904-21201310	3	RH	Hustler 10.125 X 13 Prop Housing
904-21211110	3	RH	Hustler 10.375 X 11 Prop Housing
904-21211310	3	RH	Hustler 10.375 X 13 Prop Housing
904-21221110	3	RH	Hustler 10.5 X 11 Prop Housing
904-21221310	3	RH	Hustler 10.125 X 13 Prop Housing

CC Part #	B	R	Props For 3.5" Gearcase Use 10 Series Installation Kits
904-21301110	3	RH	Hustler 10.875 X 11 Prop Housing
904-21301210	3	RH	Hustler 10.75 X 12 Prop Housing
904-21301310	3	RH	Hustler 10.5 X 13 Prop Housing
904-21301410	3	RH	Hustler 10.375 X 14 Prop Housing
904-21301510	3	RH	Hustler 10.125 X 15 Prop Housing
904-21300810	3	RH	Hustler 12.5 X 8 Prop Housing
904-21301010	3	RH	Hustler 12 X 10.5 Prop Housing
904-21311710	3	RH	Hustler 11.75 X 17 Prop Housing
904-21310810	3	RH	Hustler 12.5 X 8 Prop Housing
904-21311010	3	RH	Hustler 12 X 10.5 Prop Housing
904-21311310	3	RH	Hustler 12.5 X 13 Prop Housing
904-21311510	3	RH	Hustler 12.25 X 15 Prop Housing

4.25" & 4.75" GC Items Compatible with Competitors' Hub & Prop Systems
Works with Mercury® Flo-Torq II®, Michigan Wheel® XHS®, Solas® Rubex™

CC Part #	B	R	Props For 4.25" Gearcase Use 500 Series Installation Kits
904-21431111	3	RH	Hustler 14 X 11 Prop Housing
904-21431311	3	RH	Hustler 14X13 Prop Housing
904-21431511	3	RH	Hustler 13.75 X 15 Prop Housing
904-21431711	3	RH	Hustler 13.25 X 17 Prop Housing
904-21431911	3	RH	Hustler 13.25 X 19 Prop Housing
904-21432111	3	RH	Hustler 13.25 X 21 Prop Housing
904-21432311	3	RH	Hustler 13.25 X 23 Prop Housing
904-21431130	4	RH	Hustler 14 X 11 Prop Housing (Swept Cleaver Series)
904-21431330	4	RH	Hustler 14 X 11 Prop Housing (Swept Cleaver Series)
904-21431530	4	RH	Hustler 13.5 X 15 Prop Housing (Swept Cleaver Series)
904-21431730	4	RH	Hustler 13.25 X 17 Prop Housing (Swept Cleaver Series)
904-21431930	4	RH	Hustler 13 X 19 Prop Housing (Swept Cleaver Series)
904-21432130	4	RH	Hustler 13 X 21 Prop Housing (Swept Cleaver Series)

CC Part #	B	R	Props For 4.75" Gearcase Use 500/700 Series Installation Kits
904-21501511	3	RH	Hustler 15.25 X 15 Prop Housing
904-21501711	3	RH	Hustler 14.25 X 17 Prop Housing
904-21501911	3	RH	Hustler 14.25 X 19 Prop Housing
904-21502111	3	RH	Hustler 14.25 X 21 Prop Housing
904-21502311	3	RH	Hustler 14.25 X 23 Prop Housing
904-21501530	4	RH	Hustler 15 X 15 Prop Housing (Dual Geometry Series)
904-21501540	4	LH	Hustler 15 X 15 Prop Housing (Dual Geometry Series)
904-21501730	4	RH	Hustler 14.5 X 17 Prop Housing (Dual Geometry Series)
904-21501740	4	LH	Hustler 14.5 X 17 Prop Housing (Dual Geometry Series)
904-21501930	4	RH	Hustler 14 X 19 Prop Housing (Dual Geometry Series)
904-21501940	4	LH	Hustler 14 X 19 Prop Housing (Dual Geometry Series)
904-21502131	4	RH	Hustler 14 X 21 Prop Housing (Dual Geometry Series)
904-21502141	4	LH	Hustler 14 X 21 Prop Housing (Dual Geometry Series)

For more information see:
www.turningpointpropellers.com

TURNING POINT PROPELLERS STAINLESS STEEL & HUB PART LIST

Stainless Steel Propeller Part List

Left Rotation Right Rotation (standard)

CC Part #	B	R	Props For 3" Gearcase Use 20 Series Installation Kits
906-31201111	3	RH	Express Mach3 10.5X11 Prop Housing
906-31201311	3	RH	Express Mach3 10.125X13 Prop Housing
906-31211111	3	RH	Express Mach3 10.325X11 Prop Housing
906-31211311	3	RH	Express Mach3 10.375X13 Prop Housing
906-31221111	3	RH	Express Mach3 10.5X11 Prop Housing
906-31221311	3	RH	Express Mach3 10.125X13 Prop Housing

CC Part #	B	R	Props For 3.5" Gearcase Use 10 Series Installation Kits
906-31301212	3	RH	Express Mach3 10.75 X 12 Prop Housing
906-31301312	3	RH	Express Mach3 10.5 X 13 Prop Housing
906-31301412	3	RH	Express Mach3 10.375 X 14 Prop Housing

CC Part #	B	R	Props For 4.25" Gearcase Use 500 Series Installation Kits
906-31431512	3	RH	Express Mach3 13.75 X 15 Prop Housing
906-31431712	3	RH	Express Mach3 13.25 X 17 Prop Housing
906-31431912	3	RH	Express Mach3 13.25 X 19 Prop Housing
906-31432112	3	RH	Express Mach3 13.25 X 21 Prop Housing
906-31430930	4	RH	Express Mach4 14 X 9 Prop Housing (Swept Cleaver Series)
906-31431130	4	RH	Express Mach4 14 X 11 Prop Housing (Swept Cleaver Series)
906-31431330	4	RH	Express Mach4 14 X 13 Prop Housing (Swept Cleaver Series)
906-31431530	4	RH	Express Mach4 13.5 X 15 Prop Housing (Swept Cleaver Series)
906-31431540	4	LH	Express Mach4 13.5 X 15 Prop Housing (Swept Cleaver Series)
906-31431730	4	RH	Express Mach4 13.25 X 17 Prop Housing (Swept Cleaver Series)
906-31431740	4	LH	Express Mach4 13.25 X 17 Prop Housing (Swept Cleaver Series)
906-31431930	4	RH	Express Mach4 13 X 19 Prop Housing (Swept Cleaver Series)
906-31431940	4	LH	Express Mach4 13 X 19 Prop Housing (Swept Cleaver Series)
906-31432130	4	RH	Express Mach4 13 X 21 Prop Housing (Swept Cleaver Series)
906-31432140	4	LH	Express Mach4 13 X 21 Prop Housing (Swept Cleaver Series)
906-31432330	4	RH	Express Mach4 13 X 23 Prop Housing (Swept Cleaver Series)
906-31432340	4	LH	Express Mach4 13 X 23 Prop Housing (Swept Cleaver Series)

4.25" & 4.75" GC Items Compatible with Competitors' Hub & Prop Systems
Works with Mercury® Flo-Torq II®, Michigan Wheel® XHS®, Solas® Rubex™

Installation/Hun Kit Part List

Kit	CC Part #	Installation Kits
200 SERIES MasterGuard® Installation Kits		
201	904-11100101	Mercury®/Mariner®
202	904-11100201	Evinrude®, Johnson®
205	904-11100501	Honda®, Parsun®, Yamaha®
206	904-11100601	Evinrude®, Johnson®, Suzuki®
207	904-11100701	Mercury®, Mariner®, Nissan®, Tohatsu®
208	904-11100801	Mercury®, Mariner®, Nissan®, Tohatsu®
20 SERIES MasterGuard® Installation Kits		
21	904-11200100	Force®, Mercury®, Mariner®
22	904-11200200	Evinrude®, Johnson®
25	904-11200500	Parsun®, Yamaha®
26	904-11200600	Evinrude®, Johnson®, Honda®
28	904-11200800	Honda®, Mercury®, Mariner®, Nissan®, Tohatsu®
10 SERIES MasterGuard® Installation Kits		
11	904-11300101	Evinrude®, Johnson®, Force®, Mercury®, Mariner®, Suzuki®
12	904-11300200	Evinrude®, Johnson®, Honda®, Parsun®, Yamaha®
13	904-11300301	Nissan®, Tohatsu®
500 SERIES MasterGuard® Installation Kits for Engines Under 200hp		
500	904-11500000	Parsun®, Yamaha®
501	904-11500100	Honda®, Mercury®
502	904-11500200	Evinrude®, Johnson®, OMC®
503	904-11500300	Evinrude®, Johnson®, OMC®
504	904-11500400	OMC®, Volvo® Penta® SX
621 SERIES MasterTorq® Fat Shaft Hub, Installation Kit		
621	904-11602100	Mercury® 1.25" Prop Shaft

CC Part #	B	R	Props For 4.75" Gearcase Use 500/700 Series Installation Kits
906-31501512	3	RH	Express Mach3 14.5 X15 Prop Housing
906-31501522	3	LH	Express Mach3 14.5X15 Prop Housing
906-31501712	3	RH	Express Mach3 14.25 X17 Prop Housing
906-31501722	3	LH	Express Mach3 14.25X17 Prop Housing
906-31501912	3	RH	Express Mach3 14.25 X19 Prop Housing
906-31501922	3	LH	Express Mach3 14.25X19 Prop Housing
906-31502112	3	RH	Express Mach3 14.25 X21 Prop Housing
906-31502122	3	LH	Express Mach3 14.25X21 Prop Housing
906-31502311	3	RH	Express Mach3 14.25 X23 Prop Housing
906-31502321	3	LH	Express Mach3 14.25X23 Prop Housing
906-31501330	4	RH	Express Mach4 15X13 Prop Housing (Dual Geometry Series)
906-31501340	4	LH	Express Mach4 15X13 Prop Housing (Dual Geometry Series)
906-31501532	4	RH	Express Mach4 15X15 Prop Housing (Dual Geometry Series)
906-31431542	4	LH	Express Mach4 15X15 Prop Housing (Dual Geometry Series)
906-31501731	4	RH	Express Mach4 14.5X17 Prop Housing (Dual Geometry Series)
906-31431741	4	LH	Express Mach4 14.5X17 Prop Housing (Dual Geometry Series)
906-31501931	4	RH	Express Mach4 14X19 Prop Housing (Dual Geometry Series)
906-31431941	4	LH	Express Mach4 14X19 Prop Housing (Dual Geometry Series)
906-31502131	4	RH	Express Mach4 14X21 Prop Housing (Dual Geometry Series)
906-31432141	4	LH	Express Mach4 14X21 Prop Housing (Dual Geometry Series)
906-31502331	4	RH	Express Mach4 14X23 Prop Housing (Dual Geometry Series)
906-31432341	4	LH	Express Mach4 14X23 Prop Housing (Dual Geometry Series)
OS SERIES - Larger Diameter Propellers			
906-31511110	3	RH	Express Mach3 OS 15.6 X11 Prop Housing
906-31511120	3	LH	Express Mach3 OS 15.6X11 Prop Housing
906-31511310	3	RH	Express Mach3 OS 15.6 X13 Prop Housing
906-31511320	3	LH	Express Mach3 OS 15.6X13 Prop Housing
906-31511510	3	RH	Express Mach3 OS 15.6 X15 Prop Housing
906-31511520	3	LH	Express Mach3 OS 15.6X15 Prop Housing
906-31511710	3	RH	Express Mach3 OS 15.6 X17 Prop Housing
906-31511720	3	LH	Express Mach3 OS 15.6X17 Prop Housing
906-31511910	3	RH	Express Mach3 OS 15.6 X19 Prop Housing
906-31511920	3	LH	Express Mach3 OS 15.6X19 Prop Housing
906-31512110	3	RH	Express Mach3 OS 15.6X21 Prop Housing
906-31512120	3	LH	Express Mach3 OS 15.6X21 Prop Housing
906-31512310	3	RH	Express Mach3 OS 15.6 X23 Prop Housing
906-31512320	3	LH	Express Mach3 OS 15.6X23 Prop Housing
906-31512510	3	RH	Express Mach3 OS 15.6 X25 Prop Housing
906-31512520	3	LH	Express Mach3 OS 15.6X25 Prop Housing
906-31512710	3	RH	Express Mach3 OS 15.6 X27 Prop Housing
906-31512720	3	LH	Express Mach3 OS 15.6X27 Prop Housing

Installation/Hub Kit Part List (Con't)

Kit	CC Part #	Installation Kits
500 SERIES MasterGuard® Installation Kits for Engines Under 200hp		
505	904-11500500	Nissan®, Tohatsu®, Yamaha®
506	904-11500600	Suzuki®
507	904-11500700	Honda®, Johnson®, Suzuki®
508	904-11500800	Honda®
509	904-11500900	Johnson®, Suzuki®
510	904-11501000	Volvo® Penta® AQ
511	904-11501100	Evinrude® E-TEC® G2
700 SERIES MasterGuard® Super Duty Installation Kits For Engines 200+hp		
701	904-11700100	Mercury®
705	904-11700500	Yamaha®
707	904-11700700	Johnson®, Suzuki®
708	904-11700800	Honda®
711	904-11701100	Evinrude® E-TEC® G2
715	904-11701500	Yamaha® F350
800 SERIES MasterTorq® Sound Dampening Hub Kits For Engines 40CT-300+hp		
800F	904-11800000	Yamaha®
801F	904-11800100	Mercury®
805F	904-11800500	Yamaha®
805FT	904-11800510	Yamaha® Trim Tab Included

For more information see:
www.turningpointpropellers.com

HOW TO USE THE APPLICATION CHART

If an original part number is not known or a propeller size or style change is desired, use the following procedure for selecting a propeller.

1. Locate the **BRAND** of outboard or sterndrive engine using the table of contents.
2. Locate the **HORSEPOWER/MODEL** and **YEAR** that corresponds with the engine brand.
3. Find the range of your **BOAT LENGTH**, and the boat use that best describes your vessel and usage.
4. Select the propeller **DIAMETER/PITCH** that best meets your vessel and usage.
5. Order the propeller using the **C.C.PART #** (Incorporates **Michigan Wheel part number indicated in blue**). Read across to the correct column for aluminum (Michigan Match® or Vortex® Series) or for stainless steel (Apollo® or Ballistic® Series) propellers, whichever is desired.
6. If **VORTEX®, APOLLO®, or BALLISTIC®** propellers are selected, the **XHS® / XHS II® HUB KIT** indicated must be ordered.
7. Carefully read ALL notes for **additional important attachment information**. (If **specific to a propeller,** it will be noted next to the part number.)

Unless otherwise noted: The XHS® / XHS II® hub kit is sold separately from the propeller. ***See Pages 1088 & 1089*** *for XHS® / XHS II® hub kit and miscellaneous hardware information.* *Vortex® and Apollo® propellers fit existing Mercury Flo-Torq® II hubs. Check existing hub for wear or damage and replace if necessary with Michigan Wheel XHS® / XHS II® hub.*

NOTE: This is a "general" application guideline for determining the appropriate propeller size for your vessel. Performance characteristics may vary due to the many kinds of boats, hull styles, loads and style of boating.

MERCURY®, MARINER®, SEA RAY OUTBOARDS

40-140 HORSEPOWER • 4-1/4" GEARCASE

Thru Hub Exhaust & 15 Tooth Spline

40 & 50 HP 4-Stroke / Bigfoot ..... All Years
60 HP 4-Stroke / Bigfoot ..... 1995 & Newer
60 HP (Sea Pro/Marathon) ..... 1995 & Newer
65 HP (Model 650 - 2 Cyl.) ..... Thru 1971
65 HP (Model 650 - 4 Cyl.) 1961-1970
70 HP 1987-1989
75 HP (Sea Pro/Marathon) ..... All Years
75 HP 2-Stroke 1984-2005
75 HP 4-Stroke ..... 2001 & Newer
80 HP 1978-1989
80 HP (Mariner®) 1978-1983
80 HP (Model 800; 2 & 4 Cyl.) ..... Thru 1977
80 HP (Yamaha®) 1977-1983
85 HP (Model 850; 2 & 4 Cyl.) ..... Thru 1977
90 HP (Yamaha®) 1978-1983
90 HP 2-Stroke ..... 1978 & Newer
90 HP 4-Stroke ..... 2001 & Newer
100 HP ..... 1988 & Newer
115 HP (Yamaha®) 1978-1983
115 HP ..... 1978 & Newer
115 HP 4-Stroke ..... 2001 & Newer
125 HP 1994-2005
140 HP (Incluedes Sea Pro/Offshore) 1978-1981
140 HP (Yamaha®) 1978-1979
Models 900-1150-1500 ..... Thru 1977
Includes EFI engines.

VORTEX MICHIGAN

3-BL ALUMINUM - B SERIES					4-BL ALUMINUM - B SERIES				
Dia.	Rot.	Pitch	Bld #	Part #	Dia.	Rot.	Pitch	Bld #	CC Part #
14	R	11	3	**992111**	13-7/8	R	11	4	**941411**
13-3/4	R	13	3	**992112**	13-7/8	R	13	4	**941413**
13-1/2	R	15	3	**992113**	13-3/8	R	15	4	**941415**
13-1/4	R	17	3	**992114**	13	R	17	4	**941417**
13	R	19	3	**992115**	12-1/2	R	19	4	**941419**
13	R	21	3	**992116**					

Drop-In Hub
Use XHS Hub Kit **202**
USE Gearcase Adapter Ring supplied with propeller.
Refer to Pages 1085, 1088, 1089 for Details on Hub Kit Components

APOLLO MICHIGAN

STAINLESS STEEL - B SERIES PROPELLERS					
Dia.	Rot.	Pitch	Bld #	CC Part #	Part #
13-3/8	R	15	3		✻ **993143**
13-3/8	L	15	3		✻ **993153**
13-1/4	R	17	3		✻ **993144**
13-1/4	L	17	3		✻ **993154**
13-1/8	R	19	3		✻ **993145**
13-1/8	L	19	3		✻ **993155**
13	R	21	3		✻ **993146**
13	L	21	3		✻ **993156**

Drop-In Hub
Use XHS Hub Kit **202**
USE Gearcase Adapter Ring supplied with propeller.
Refer to Pages 1085, 1088, 1089 for Details on Hub Kit Components

VORTEX MICHIGAN

Boat Description/ Length	ALUMINUM PROPELLERS					
	Dia.	Rot.	Pitch	Bld #	OEM Part #	Part #
19'-24' - AL, SK	13-3/4	R	15	3	48-77342A45	**031041**
17'-20' - AL, SK	13-1/4	R	17	3	48-77344A45	**031042**
16'-19' - AL, SK	13	R	19	3	48-77346A45	**031043**
15'-18' - AL, SK	12-3/4	R	21	3	48-77348A45	**031044**
High Performance	12-1/2	R	23	3	48-77350A45	✄ **031045**
High Performance						

Rubber Hub Bushing
Use
MWM Fwd Washer 990332
or
MWM Kit 9660-1
(Fwd Washer, Tab Washer, Propeller Nut)

BALLISTIC MICHIGAN

STAINLESS STEEL - B SERIES PROPELLERS										
3-BLADE BALLISTIC					3-BLADE BALLISTIC XL				
Dia.	Rot.	Pitch	Bld #	Part #	Dia.	Rot.	Pitch	Bld #	Part #
13-5/8	R	15	3	✻ **933415**					
13-1/2	R	17	3	✻ **933417**					
13-3/8	R	19	3	✻ **933419**					
13-1/8	R	21	3	✻ **933421**					
					13-1/2	R	22	3	✻ **953422**
					13-1/2	R	24	3	✻ **953424**

Drop-In Hub
Use XHS II® Hub Kit **202**
USE Gearcase Adapter Ring supplied with propeller.
Refer to Pages 1085, 1088, 1089 for Details on Hub Kit Components

Key to Abbreviations: LL = Light Loads; SB = Sailboat; AL = All Loads; SK = Skiboat; WB = Workboat; HB = Houseboat; CR = Cruisers; HL = Heavy Loads; WD = Weedless

✄ Limited Inventory Item.
✻ To avoid damage or injury, replace standard trim tab with trim tab 822777A1.
✪ Pontoon Boat Propeller (Extended Cup)

For more information see: www.miwheel.com

MICHIGAN WHEEL

Xchangeable Hub System

Michigan Wheel's Xchangeable Hub System (XHS®) absorbs impact and stress caused by shifting gears, and is designed to spin under significant impact to help protect your lower unit. XHS® / XHS II® is also designed to be interchangeable with Mercury's Flo-Torq II® hub system, potentially saving you money when replacing or upgrading your propeller.

VORTEX® XHS® SERIES ALUMINUM PROPELLERS

PROP SERIES A — 3 & 4-Blade

DIA x PITCH	BLD #	P/N
16 x 13	3	999-92001
15-1/4 x 15	3	999-92002
16 x 16	3	999-31516
15 x 17	3	999-92003
14-1/2 x 19	3	999-92004
14-1/4 x 21	3	999-92005
14 x 23	3	999-92006
15 x 16	4	999-92202
14-1/2 x 18	4	999-92203
14 x 20	4	999-92204

PROP SERIES B — 3 & 4-Blade

DIA x PITCH	BLD #	P/N
14 x 10	3	999-92109
14 x 11	3	999-92111
14 x 13	3	999-92112
13-3/4 x 15	3	999-92113
13-1/4 x 17	3	999-92114
13 x 19	3	999-92115
12-3/4 x 21	3	999-92116
13-7/8 x 11	4	999-41411
13-7/8 x 13	4	999-41413
13-3/8 x 15	4	999-41415
13 x 17	4	999-41417
12-1/2 x 19	4	999-41419

PROP SERIES C — 3 & 4-Blade

DIA x PITCH	BLD #	P/N
11-1/2 x 8	4	999-92401
11-1/2 x 9	4	999-92402
11-1/2 x 10	4	999-92403
11-3/4 x 13	3	999-92301
11-3/4 x 15	3	999-92302
11-3/4 x 17	3	999-92303
12-1/2 x 13	3	999-92311
12-1/4 x 15	3	999-92312

PROP SERIES D — Standard 3 & 4-Blade

DIA x PITCH	BLD #	P/N
10-5/8 x 12	4	999-41212
10-3/8 x 13	4	999-41213
10-1/8 x 14	4	999-41214
10-1/8 x 15	4	999-41215
10-3/8 x 11	3	999-92404
10-3/8 x 12	3	999-92405
10-3/8 x 13	3	999-92406
10-3/8 x 14	3	999-92407
10 x 15	3	999-92408
10 x 16	3	999-92409

PROP SERIES D — Lg. Diameter 3 & 4-Blade

DIA x PITCH	BLD #	P/N
11-1/2 x 8	4	999-92401
11-1/2 x 9	4	999-92402
11-1/2 x 10	4	999-92403
12-1/4 x 9	3	999-92601
11-3/4 x 10	3	999-92602
11-5/8 x 11	3	999-92603
11-3/8 x 12	3	999-92604
11-1/8 x 13	3	999-92605
11-1/4 x 14	3	999-92606

PROP SERIES E — Standard 3-Blade

DIA x PITCH	BLD #	P/N
10-1/2 x 9	3	999-92501
10-1/2 x 10	3	999-92502
10-1/2 x 11	3	999-92503
10-1/8 x 12	3	999-92504
10-1/8 x 13	3	999-92505
10-1/8 x 14	3	999-92506

APOLLO® XHS® SERIES STAINLESS STEEL PROPELLERS

PROP SERIES A — V8/V6 APPLICATIONS — Standard 3-Blade

DIA x PITCH	RH P/N	LH P/N
14-3/8 x 15	999-93042	999-93052
14-1/4 x 17	999-93043	999-93053
14-1/8 x 19	999-93044	999-93054
14 x 21	999-93045	999-93055
13-7/8 x 23	999-93046	999-93056

PROP SERIES A — V8/V6 APPLICATIONS — Lg. Diameter 3-Blade

DIA x PITCH	RH P/N	LH P/N
15-1/2 x 17	999-93023	999-93033
15-1/4 x 19	999-93024	999-93034
14-3/4 x 21	999-93025	999-93035
14-5/8 x 23	999-93026	999-93036

PROP SERIES A — V8/V6 APPLICATIONS — 4-Blade

DIA x PITCH	RH P/N	LH P/N
14-5/8 x 16	999-93203	999-93213
14-3/8 x 18	999-93204	999-93214
14-1/8 x 20	999-93205	999-93215
14 x 22	999-93206	999-93216

PROP SERIES B — V4 APPLICATIONS — Standard 3-Blade

DIA x PITCH	RH P/N	LH P/N
13-3/8 x 15	999-93143	999-93153
13-1/4 x 17	999-93144	999-93154
13-1/8 x 19	999-93145	999-93155
13 x 21	999-93146	999-93156

PROP SERIES D — 30-70 HP — Standard 3-Blade

DIA x PITCH	RH P/N	LH P/N
10-3/4 x 12	999-93405	
10-1/2 x 13	999-93406	
10-3/8 x 14	999-93407	
10-1/8 x 15	999-93408	

BALLISTIC® XHS® SERIES STAINLESS STEEL PROPELLERS

PROP SERIES A — V8/V6 APPLICATIONS — Standard 3-Blade

DIA x PITCH	RH P/N	LH P/N
14-7/8 x 15	999-33515	
14-3/4 x 17	999-33517	999-37517
14-1/2 x 19	999-33519	999-37519
14-3/8 x 21	999-33521	999-37521
14-1/4 x 23	999-33523	999-37523
14-1/4 x 25	999-33525	

PROP SERIES A — V8/V6 APPLICATIONS — Ballistic XL

DIA x PITCH	BLD #	RH P/N
14-3/4 x 22	3	999-53522
14-3/4 x 24	3	999-53524
14-3/4 x 26	3	999-53526
14-1/8 x 23	4	999-63523
14-1/8 x 25	4	999-63525
14-1/8 x 27	4	999-63527

PROP SERIES B — V4 APPLICATIONS — Standard 3-Blade & XL

DIA x PITCH	BLD #	RH P/N
13-5/8 x 15	Std. 3-Blade	999-33415
13-1/2 x 17	Std. 3-Blade	999-33417
13-3/8 x 19	Std. 3-Blade	999-33419
13-1/8 x 21	Std. 3-Blade	999-33421
13-1/2 x 22	3-Blade XL	999-53422
13-1/2 x 24	3-Blade XL	999-53424

PROP SERIES C — Standard 3-Blade

DIA x PITCH	RH P/N
12-3/8 x 15	999-33315
12 x 17	999-33317

PROP SERIES D — Standard 3-Blade

DIA x PITCH	RH P/N
10-1/8 x 13	999-33213
10-1/8 x 15	999-33215

PROP SERIES E — Standard 3-Blade

DIA x PITCH	RH P/N
10-1/8 x 13	999-33013
10-1/8 x 15	999-33015

Locate Horsepower/Model and Year that corresponds with the engine application. Read across to reference XHS® / XHS II® Hub Kit & propeller series that corresponds to engine.

Engine Year & Configuration	XHS® Series
Evinrude/Johnson	
15 HP (E-Tec) 2011 & Newer; **20 HP** 1984-1997; **25 & 30 HP** 1984 & Newer;	
25 & 30 HP (E-Tec) 2009 & Newer; **35 HP** 1976 & Newer	**999-00218..E**
25 & 30 HP (4-Stroke) 2004-2007; 10 Tooth Spline	**999-00221..E**
40 & 50 HP (4-Stroke) 1999-2005; 13 Tooth Spline	**999-00215..D**
40-75 HP Small Gearcase (3-3/8") 1975-2005; 13 Tooth Spline	**999-00211..C**
40-75 HP Large Gearcase (4-1/4") 1968 & Newer; 13 Tooth	**999-00206..B**
60 & 70 HP (4-Stroke) 1998 & Newer; 13 Tooth Spline	**999-00210..B**
85-140 HP 1969 & Newer; 13 Tooth Spline	**999-00206..B**
90 & 115 HP (4-Stroke) 2002-2005; 15 Tooth Spline	**999-00225..B**
140 HP (4-Stroke) 2002-2005; 15 Tooth Spline	**999-00226..B**
90-300 HP, Lg. Gearcase 1976-1990; 15 Tooth Spline	**999-00201..A**
90-300 HP, Lg. Gearcase 1991 & Newer; 15 Tooth Spline	**999-00200..A**
200 & 225 HP (4-Stroke) 2004-2005; 15 Tooth Spline	**999-00204..A**
150-300 HP E-TEC G2 Gearcase 2014 & Newer; 15 Tooth	**999-00228..A**
Force	
25 HP 1995-1998; 10 Tooth Spline	**999-00220..E**
40 & 50 HP 1995-1998; **70 HP** 1991-1995; **75 HP** 1996-1998	**999-00214..D**
75-150 HP 1995-1999; **85-150 HP (Dual Exhaust)** 1988-1994	**999-00202..B**
Honda	
BF 25 1994 & Newer; **BF 30** 1995 & Newer; 10 Tooth Spline	**999-00219..E**
BF 35 & 45 1991-1994; **BF 40/50/50A** 1995 & Newer;	
BF 60; 2010 & Newer; 13 Tooth Spline	**999-00213..D**
BF 75 & BF 90 1995-1998; 15 Tooth Spline	**999-00202..B**
BFP 60 2010 & Newer; **BF 75 & BF 90** 1999 & Newer; **BF 100** 2016 & Newer;	
BF 115 1998-2010; **BF 130** 1998-2004; 15 Tooth Spline	**999-00207..B**
BF 135-250 HP 2002 & Newer; **BF 115D** 2011 & Newer	**999-00207..A**
Mercury/Mariner/Mercruiser	
9.9, 15 HP (4-Stroke/Bigfoot/Sail) 1999-2005; **18 HP (Mercury)** 1980-1985;	
20 & 25 HP (Not 4-Stroke) 1980-2005; 10 Tooth Spline	**999-00220..E**
25 & 30 HP (4-Stroke - Not Bigfoot) 2006 & Newer; 10 Tooth	**999-00222..E**
25 HP Bigfoot 1999-2005; **30 HP (Sea Pro/Marathon)** 1994 & Newer;	
30 HP (2- & 4-Stroke) 1994-2005; **35 HP** 1984-1989; **40-50 HP** 1974-1976;	
40/50/70 HP 1977-1984; **45 HP** 1986-1989;	
40 & 50 HP (2- & 4-Stroke, Not Bigfoot) 1977 & Newer;	
48 HP (Mariner) All Years; **55 HP (Mercury/Sea Pro/Marathon)** 1995 & Newer;	
60 HP (Not Bigfoot) 1978 & Newer; **60 HP (Mariner)** 1976; **65 HP** 1972-1976;	
70 HP Thru 1983; **80 HP (Mariner)** 1977; 13 Tooth Spline	**999-00214..D**
40-140 HP (Except 135 HP) V4 Gearcase 1961 & Newer	**999-00202..B**
135-300 HP 1978 & Newer; 15 Tooth Spline	**999-00202..A**
Mercruiser Alpha One & Bravo One (< 400 HP); 15 Tooth	**999-00202..A**

Engine Year & Configuration	XHS® Series
Nissan/Tohatsu	
25 & 30 HP 1985-2001; **25 & 30 HP (4-Stroke)** 2002 & Newer	**999-00222..E**
35 HP (35B Only) Thru 1984; **40 HP** 1984 & Newer;	
50 HP (All Except 50C) 1992 & Newer; 13 Tooth Spline	**999-00216..D**
50 HP (50C Only) 1987-1991; **55 HP** 1981-1988;	
60A 1986-1999; **70A & 70B** 1981-1995; 13 Tooth Spline	**999-00212..C**
60-140 HP, 4-1/4" Gearcase 1987 & Newer; 15 Tooth Spline	**999-00209..B**
OMC/Cobra Sterndrives	
Model 400 Cobra 1978-1991; 13 Tooth Spline	**999-00206..B**
Model 800/Cobra/King Cobra 1978-1990; 15 Tooth Spline	**999-00201..A**
Model 800/Cobra/King Cobra 1991-1994; 15 Tooth Spline	**999-00200..A**
Cobra SX 1994 & Newer; 19 Tooth Spline	**999-00205..A**
Suzuki	
DT 20 & DT 25 1985-1988; **DT 25C** 1989-2000; **DF 25A** 2014 & Newer;	
DT 30 1983-1997; **DT 30C** 1987-1997; **DF 30A** 2014 & Newer;	
DF 25 & DF 30 (4-Stroke) 2000-2007; 10 Tooth	**999-00221..E**
DT 35C 1987-1989; **DT 40** 1983-1998; **DF 40 & DF 50 (4-Stroke)** 1999-2010;	
DF 40A & 50A 2011 & Newer; **DT 50 & 50M** 1983-1984; **DT 55** 1985-1997;	
DT 60 1983-1984; **DF 60A** 2010 & Newer; **DT 65** 1985-1997	**999-00215..D**
DF 60 (4-Stroke) 1998-2009; **DF 70 (4-Stroke)** 1998-2008;	
DT 75/85/100/115/140 1979-2001; 13 Tooth Spline	**999-00210..B**
DF 50AV/60AV 2015 & Newer; **DF 90** 2001-2008;	
DF 100 2009 & Newer; **DF 115** 2001-2012; 15 Tooth Spline	**999-00225..B**
DF 115A & 140A 2013 & Newer; **DF 140** 2002-2012; 15 Tooth	**999-00226..B**
DF 70A/80A/90A 2009 & Newer; 15 Tooth Spline	**999-00227..B**
150-300 HP (Including 4-Stroke) 1986 & Newer; 15 Tooth	**999-00204..A**
Yamaha	
20 HP 1996-1997; **25 HP** 1980 & Newer; **F25 (4-Stroke)** 1998-2006	
F25 (4-Stroke) 2010 & Newer; **30 HP** 1983-2002; 10 Tooth	**999-00223..E**
T25 2010 & Newer; **F30 (4-Stroke)** 2001-2005;	
40 HP & 50 HP (Not T50) 1984 & Newer; **F40 (4-Stroke)** 1999 & Newer;	
48 HP 1995-2000; **F50 (4-Stroke)** 1995 & Newer; **55 HP** 1976-1995;	
60 HP 1976-1991; **F60 (4-Stroke)** 1999 & Newer	**999-00217..D**
50-100 HP (Including 4-Stroke) 1984 & Newer; 15 Tooth	**999-00208..B**
115 & 130 HP 1984 & Newer; **F115 (4-Stroke)** 2000 & Newer	**999-00203..B**
80-140 HP 1977-1983; 15 Tooth Spline	**999-00202..B**
150-175 HP 1978-1983; 15 Tooth Spline	**999-00202..A**
150-300 HP (Including 4-Stroke) 1984 & Newer	**999-00203..A**
Sterndrives 1989-1993; 15 Tooth Spline	**999-00203..A**
Volvo Penta	
SX Sterndrives 1994 & Newer; 19 Tooth Spline	**999-00205..A**

Select propeller diameter and pitch from corresponding propeller series (reverse side) that best meets your vessel and usage.
Refer to MWM 2019 OBSD Catalog for specific engine years.
For complete installation, select a hub kit AND a propeller.

MICHIGAN APOLLO

With sizes available for 30 HP thru V6/V8, Apollo Standard Diameter propellers can be utilized on typical Outboard & Sterndrive applications. Apollo Large Diameter propellers are great for heavier applications that require increased blade area. Apollo propellers are also available in 4-blade configurations for improved hole shot under heavier loads, and are great for pulling/towing for water sports.

MICHIGAN BALLISTIC

Michigan Wheel's award-winning Ballistic® propellers feature characteristics of racing style propellers, including the proven Power Tip for peak efficiency. The Power Tip and cup combine to improve bite and reduce power loss, while highly cambered blade sections provide for higher speed and better bow lift. Available for a full range of applications (9.9 HP thru V6/V8 Outboard & Sterndrive), Ballistic propellers are the perfect choice for propeller upgrades.

MICHIGAN VORTEX

A high performance aluminum propeller featuring high performance blade geometry, precision balanced blades and high gloss powder coat. Vortex 4-blade increase hole shot, without sacrificing top-end speed. The aggressive blade geometry combines with added cup for peak acceleration and grip, while a reduced diameter helps maintain top-end speed. With equivalent or increased performance over OEM, at a lower cost, Vortex 4-blade propellers are ideal for pontoon, and deep-v aluminum fishing boats.

Excellence in Propulsion.

MICHIGAN WHEEL

6-15 HORSEPOWER
Non-Thru Hub Exhaust & Pin Drive

6 HP 1966-1979
9.5 HP.....1964-1973
10 HP.....1958-1963
10, 12, 14 HP***.....1982-1994
8-15 HP.....2000 & Newer

Boat Description/ Length	MATCH MICHIGAN ALUMINUM PROPELLERS Dia.	Rot.	Pitch	Bld #	OEM Part #	CC Part #
14'-16' - AL	8-1/4	R	8	3	763588	100-12008
12'-14' - LL	8	R	7-1/4	2	763745	100-12005
12'-14' - LL	8-1/4	R	8-1/2	3	763586	100-12007

100-12008

100-12005

Rubber Hub Bushing

8, 9.9-15 HORSEPOWER • 2-1/2" GEARCASE
Thru Hub Exhaust & 13 Tooth Spline

8 HP 4-Stroke.....1996-2005
9.9 - 15 HP 2-Stroke.....1974-2005
9.9, 15 HP 4-Stroke 1995-2001

Boat Description/ Length	MATCH MICHIGAN ALUMINUM PROPELLERS Dia.	Rot.	Pitch	Bld #	OEM Part #	CC Part #
14'-16' - AL	10	R	7	3	763456	100-12112
Standard Replacement	9-1/2	R	10	3	778772	100-12111

100-12111

100-12112

Rubber Hub Bushing

9.9-15 HORSEPOWER • JOHNSON • 2-1/2" GEARCASE
Thru Hub Exhaust & 10 Tooth Spline

9.9 HP 4-Stroke.....2002-2007
15 HP 4-Stroke 2002-2007

Boat Description/ Length	MATCH MICHIGAN ALUMINUM PROPELLERS Dia.	Rot.	Pitch	Bld #	OEM Part #	CC Part #
14'-19' - AL	9-1/4	R	9	3	5005384	100-62103
14'-19' - AL	9-1/4	R	10	3	5005385	100-62104
14'-16' - LL	9-1/4	R	11	3	5033203	100-62105

101-62103

Rubber Hub Bushing

9.8 HORSEPOWER
Thru Hub Exhaust & 12 Tooth Spline

9.8 HP 4-Stroke.....2012 & Newer

Boat Description/ Length	MATCH MICHIGAN ALUMINUM PROPELLERS Dia.	Rot.	Pitch	Bld #	OEM Part #	CC Part #
	8-1/2	R	7	3	5040538	101-42102
	8-1/2	R	8	3		101-42103

101-42103

Rubber Hub Bushing

Key to Abbreviations: LL = Light Loads; SB = Sailboat; AL = All Loads; SK = Skiboat; WB = Workboat; HB = Houseboat; CR = Cruisers; HL = Heavy Loads; WD = Weedless

*** Engines offered in European Market only.

For more information see: www.miwheel.com

15 HORSEPOWER
Thru Hub Exhaust & 14 Tooth Spline

15 HP 4-Stroke..... 2012 & Newer

Boat Description/ Length	MATCH MICHIGAN ALUMINUM PROPELLERS Dia.	Rot.	Pitch	Bld #	OEM Part #	CC Part #
14'-19' - AL	9-1/4	R	8	3		101-42203
Standard Replacement	9-1/4	R	9	3	5040590	101-42204
Standard Replacement	9-1/4	R	10	3	5040591	101-42205
14'-16' - LL	9-1/4	R	11	3	5040592	101-42206
Up to 16' - LL	9-1/4	R	12	3		101-42207

101-42206

101-42204 Standard Replacement for:
- 20" Shaft Length
- 25" Shaft Length

101-42205 Standard Replacement for:
- 15" Shaft Length

Rubber Hub Bushing

10-28 HORSEPOWER
Non-Thru Hub Exhaust & Pin Drive

10 HP.....1951-1957
15 HP.....1953-1956
18 HP..... 1957-1973
20 HP..... 1969-1973
25 HP..... 1969-1977
28 HP.....1964

Boat Description/ Length	MATCH MICHIGAN ALUMINUM PROPELLERS Dia.	Rot.	Pitch	Bld #	OEM Part #	CC Part #
CR, HB, SB	9-1/4	R	7	3	388294	100-12102
14'-16' - HL	9	R	9	3	763587	100-12109
12'-14' - LL	9	R	10	3	763583	100-12011
12'-14' - LL	9-1/4	R	11	3		100-12013

100-12102 100-12011 100-12013

Rubber Hub Bushing
Part # 65-079

14-28 HORSEPOWER
Non-Thru Hub Exhaust & 13 Tooth Spline

14 HP.....1988-1989
25 HP.....1978-1984
25 HP**..... 1978-1991; 1994 & Newer
28 HP..... 1986-1996

Boat Description/ Length	MATCH MICHIGAN ALUMINUM PROPELLERS Dia.	Rot.	Pitch	Bld #	OEM Part #	CC Part #
16'-18' - HL	9	R	9	3	763585	100-12021
15'-17' - AL	9	R	10	3	763589	100-12015
14'-17' - AL	9-1/4	R	11	3	763584	100-12016
14'-17' - LL	9-1/4	R	12	3	763590	100-12030

100-12015 100-12016 100-12030

Rubber Hub Bushing

25-40 HORSEPOWER
Non-Thru Hub Exhaust & Pin Drive

25 HP.....1951-1955
28 HP.....1962-1964
30 HP.....1956
33 HP..... 1965-1970
35 HP..... 1957-1959
40 HP..... 1960-1976
40 HP**..... 1978-1985

Boat Description/ Length	MATCH MICHIGAN ALUMINUM PROPELLERS Dia.	Rot.	Pitch	Bld #	OEM Part #	CC Part #
17'-19' - AL, SK	10-3/8	R	11-1/2	3		100-12023
14'-16' - AL, SK	10-1/2	R	12	3		100-12024

100-12023

Rubber Hub Bushing

Key to Abbreviations: LL = Light Loads; SB = Sailboat; AL = All Loads; SK = Skiboat; WB = Workboat; HB = Houseboat; CR = Cruisers; HL = Heavy Loads; WD = Weedless

** Commercial & Workhorse Application.

For more information see: www.miwheel.com

25-30 HORSEPOWER (4-STROKE) • 3" GEARCASE

Thru Hub Exhaust & 10 Tooth Spline • ! MUST use Gearcase Adapter Ring supplied with propeller.

25 HP 4-Stroke .....2004-2007 30 HP 4-Stroke 2004-2007

VORTEX MICHIGAN — ALUMINUM - E SERIES PROPELLERS

Drop-In Hub — Use XHS II® Hub Kit 221 — Order 999-00221

Boat Description/ Length	Dia.	Rot.	Pitch	Bld #	OEM Part #	CC Part #
20' & Up - AL	10-1/2	R	9	3		999-92501
17'-20' - AL	10-1/2	R	10	3		999-92502
17'-20' - AL	10-1/2	R	11	3		999-92503
15'-18' - AL	10-1/8	R	12	3		999-92504
13'-15' - AL	10-1/8	R	13	3		999-92505
Up to 15' - LL	10-1/8	R	14	3		999-92506

999-91244 - Gearcase Adapter Rings

999-92504
Vortex® XHS®
Aluminum Propeller

100-62206

MATCH MICHIGAN — ALUMINUM PROPELLERS

Rubber Hub Bushing

Boat Description/ Length	Dia.	Rot.	Pitch	Bld #	OEM Part #	CC Part #
20' & Up - AL	10-1/4	R	9	3	5032171	100-62208
20' & Up - AL	10-1/4	R	10	3	5032107	100-62204
17'-20' - AL	10-1/4	R	11	3	5032108	100-62205
15'-18' - AL	10-1/4	R	12	3	5032109	100-62206
13'-15' - AL	10-1/4	R	13	3	5032110	100-62207
13'-15' - AL	10-1/4	R	14	3	5032106	100-62209
Up to 15' - LL	10-1/4	R	15	3		100-62210

BALLISTIC MICHIGAN — STAINLESS STEEL - E SERIES PROPELLERS

Drop-In Hub — Use XHS II® Hub Kit 221 — Order 999-00221

Dia.	Rot.	Pitch	Bld #	OEM Part #	CC Part #
10-1/8	R	13	3		✠ 999-33013
10-1/8	**R**	**15**	**3**		✠ 999-33015

✠ May interfere with trim tab.

15-35 HORSEPOWER • 3" GEARCASE

Thru Hub Exhaust & 14 Tooth Spline • ! MUST use Gearcase Adapter Ring supplied with propeller. • VORTEX® PROPELLER MAY INTERFERE WITH SKEG ON ANY MODEL

15 HP E-TEC®H.O..... 2011 & Newer
20 HP 2 Cyl.....1984-1997
25 HP (Commercial).....1993-2005
25 HP 2 & 3 Cyl.....1984 & Newer
25 HP E-TEC®.....2009 & Newer
30 HP 2 Cyl.....1984 & Newer
30 HP E-TEC®.....2009 & Newer
35 HP 2 Cyl 1979-1983
35 HP 3 Cyl 1997-2001

VORTEX MICHIGAN — ALUMINUM - E SERIES PROPELLERS

Drop-In Hub — Use XHS II® Hub Kit 218 — Order 999-00218

Boat Description/ Length	Dia.	Rot.	Pitch	Bld #	OEM Part #	CC Part #
17'-20' - AL, SK	10-1/2	R	9	3		999-92501
17'-20' - AL, SK	10-1/2	R	10	3		999-92502
16'-18' - AL, SK	10-1/2	R	11	3	765049	999-92503
16'-18' - AL, SK	10-1/8	R	12	3		999-92504
15'-17' - AL, SK	10-1/8	R	13	3	778863	999-92505
13'-15' - AL, SK	10-1/8	R	14	3		999-92506

999-12440 - Gearcase Adapter Rings

999-92504
Vortex® XHS®
Aluminum Propeller

100-12054

MATCH MICHIGAN — ALUMINUM PROPELLERS

Rubber Hub Bushing

Boat Description/ Length	Dia.	Rot.	Pitch	Bld #	OEM Part #	CC Part #
17'-20' - AL, SK	11	R	9	3	765048	100-12054
16'-18' - AL, SK	10-1/2	R	11	3	765049	100-12055
15'-17' - AL, SK						
13'-15' - AL, SK	10	R	15	3	763486	100-12057

BALLISTIC MICHIGAN — STAINLESS STEEL - E SERIES PROPELLERS

Drop-In Hub — Use XHS II® Hub Kit 218 — Order 999-00218

Dia.	Rot.	Pitch	Bld #	OEM Part #	CC Part #
10-1/8	R	13	3		999-33013
10-1/8	R	15	3		999-33015

Key to Abbreviations: LL = Light Loads; SB = Sailboat; AL = All Loads; SK = Skiboat; WB = Workboat; HB = Houseboat; CR = Cruisers; HL = Heavy Loads; WD = Weedless

For more information see: www.miwheel.com

40-50 HORSEPOWER • JOHNSON • 3-1/4" GEARCASE
Thru Hub Exhaust & 13 Tooth Spline

40 HP 4-Stroke .....1999-2005 50 HP 4-Stroke 1999-2005

VORTEX MICHIGAN — ALUMINUM - D SERIES PROPELLERS

3-BLADE Dia.	Rot.	Pitch	CC Part #	LG. DIAMETER 3-BLADE Dia.	Rot.	Pitch	CC Part #	4-BLADE Dia.	Rot.	Pitch	CC Part #
								11-1/2	R	8	999-92401
				12-1/4	R	9	999-92601	11-1/2	R	9	999-92402
				11-3/4	R	10	999-92602	11-1/2	R	10	999-92403
10-3/8	R	11	999-92404	11-5/8	R	11	999-92603	4-BLADE			
10-3/8	R	12	999-92405	11-3/8	R	12	999-92604	10-5/8	R	12	999-41212
10-3/8	R	13	999-92406	11-1/8	R	13	999-92605	10-3/8	R	13	999-41213
10-3/8	R	14	999-92407	11-1/4	R	14	999-92606	10-1/8	R	14	999-41214
10	R	15	999-92408					10-1/8	R	15	999-41215
10	R	16	999-92409								

Drop-In Hub — Use XHS II® Hub Kit 215 — Order 999-00215

Refer to Pages 1085, 1088, 1089 for Details on Hub Kit Components

APOLLO MICHIGAN — STAINLESS STEEL - D SERIES PROPELLERS

Dia.	Rot.	Pitch	Bld #	OEM Part #	CC Part #
10-3/4	R	12	3		999-93405
10-1/2	R	13	3		999-93406
10-3/8	R	14	3		999-93407
10-1/8	R	15	3		999-93408

Drop-In Hub — Use XHS II® Hub Kit 215 — Order 999-00215

Refer to Pages 1085, 1088, 1089 for Details on Hub Kit Components

MATCH MICHIGAN — ALUMINUM PROPELLERS

Boat Description/ Length	Dia.	Rot.	Pitch	Bld #	OEM Part #	CC Part #
18'-21' - AL	12-1/4	R	9	3	776807	100-32046
18'-21' - AL	11-3/4	R	10	3	778606	100-32045
16'-19' - AL	11-1/2	R	11	3	778607	100-62211
16'-19' - AL	11-1/2	R	12	3	778608	100-62212
14'-18' - AL	11-1/2	R	13	3	778609	100-62213
14'-18' - AL	11-1/2	R	14	3	778610	100-62214
13'-15' - AL	11-1/4	R	15	3		100-62215
13'-15' - LL	11-1/8	R	16	3		100-62216
Up to 15' - LL	11	R	17	3		100-62217

Rubber Hub Bushing

BALLISTIC MICHIGAN — STAINLESS STEEL - D SERIES PROPELLERS

Dia.	Rot.	Pitch	Bld #	OEM Part #	CC Part #
10-1/8	R	13	3		999-33213
10-1/8	R	15	3		999-33215

Hub — Use XHS II® Hub Kit 215 — Order 999-00215

Refer to Pages 1085, 1088, 1089 for Details on Hub Kit Components

40-75 HORSEPOWER • SMALL (3-3/8") GEARCASE
Thru Hub Exhaust & 13 Tooth Spline

40 HP 2 Cyl.....1984-2005
48 HP.....1987-1996
50 HP 2 Cyl.....1975-2005
55 HP..... 1976-1979
65 HP 2 Cyl. 1980-1985
75 HP 3 Cyl. 1975-1985
Sprint/Formula E 1986-1992

VORTEX MICHIGAN — ALUMINUM - C SERIES PROPELLERS

3-BLADE Dia.	Rot.	Pitch	CC Part #	LG. DIAMETER 3-BLADE Dia.	Rot.	Pitch	CC Part #	4-BLADE Dia.	Rot.	Pitch	CC Part #
								11-1/2	R	8	999-92401
								11-1/2	R	9	999-92402
								11-1/2	R	10	999-92403
11-3/4	R	13	999-92301	12-1/2	R	13	999-92311				
11-3/4	R	15	999-92302	12-1/4	R	15	999-92312				
11-3/4	R	17	999-92303								

Drop-In Hub — Use XHS II® Hub Kit 211

Refer to Pages 1085, 1088, 1089 for Details on Hub Kit Components

999-92303

100-12036

100-12037

100-11027

MATCH MICHIGAN — ALUMINUM PROPELLERS

Boat Description/ Length	Dia.	Rot.	Pitch	Bld #	OEM Part #	CC Part #
CR, HB	13	R	11	3	763488	100-12036
15'-18' - AL, SK	12-1/2	R	13	3	763461	100-12037
14'-17' - AL, SK	12-1/4	R	15	3	778774	100-11027
13'-15' - LL	11-3/4	R	17	3	763462	100-11028

Rubber Hub Bushing

BALLISTIC MICHIGAN — STAINLESS STEEL - C SERIES PROPELLERS

Dia.	Rot.	Pitch	Bld #	OEM Part #	CC Part #
12-3/8	R	15	3		999-33315
12	R	17	3		999-33317

Drop-In Hub — Use XHS II® Hub Kit 211 — Order 999-00211

40-75 HORSEPOWER • LARGE (4-1/4") GEARCASE

Thru Hub Exhaust & 13 Tooth Spline

40 HP E-TEC® ..... 2004 & Newer
45 HP 2 Cyl. Commercial 1986-1995
50 HP E-TEC® ..... 2004 & Newer
50 HP 2 Cyl. Commercial 1977-1979
50 HP 2 Cyl. Pleasure 1971-1974
50 HP 3 Cyl. Pleasure 1994-1998
55 HP 3 Cyl. 1968-1969
55 HP 2 Cyl. Commercial ..... 1980 & Newer
55 HP E-TEC® ..... 2009 & Newer
60 HP 3 Cyl. Pleasure 1970-1971; 1986-2001
60 HP E-TEC® ..... 2004 & Newer
60 HP 4-Stroke ..... 1998 & Newer
65 HP 3 Cyl. Pleasure 1972-1973
65 HP 3 Cyl. Commercial 1984-2001
65 HP Pontoon Series ..... 2014 & Newer
70 HP 3 Cyl. Pleasure ..... 1974 & Newer
70 HP 3 Cyl. Commercial 1974-2001
70 HP 4-Stroke ..... 1998 & Newer
75 HP 3 Cyl. Pleasure 1975-1984
75 HP E-TEC® ..... 2004 & Newer

VORTEX MICHIGAN

3-BL ALUMINUM - B SERIES

Dia.	Rot.	Pitch	Bld #	CC Part #
14	R	10	3	999-92109
14	R	11	3	999-92111
14	R	13	3	999-92112
13-3/4	R	15	3	999-92113
13-1/4	R	17	3	999-92114
13	R	19	3	999-92115
12-3/4	R	21	3	999-92116

4-BL ALUMINUM - B SERIES

Dia.	Rot.	Pitch	Bld #	CC Part #
13-7/8	R	11	4	999-41411
13-7/8	R	13	4	999-41413
13-3/8	R	15	4	999-41415
13	R	17	4	999-41417
12-1/2	R	19	4	999-41419

Drop-In Hub

Use XHS II® Hub Kit 206 / 210

Order 999-00206
Order 999-00210

Do NOT use Gearcase Adapter Ring supplied with propeller.

Refer to Pages 1085, 1088, 1089 for Details on Hub Kit Components

APOLLO MICHIGAN

STAINLESS STEEL - B SERIES PROPELLERS

Dia.	Rot.	Pitch	Bld #	OEM Part #	CC Part #
13-3/8	R	15	3	763950	999-93143
13-3/8	L	15	3		999-93153
13-1/4	R	17	3	763951	999-93144
13-1/4	L	17	3		999-93154
13-1/8	R	19	3	763952	999-93145
13-1/8	L	19	3		999-93155
13	R	21	3		999-93146
13	L	21	3		999-93156

Drop-In Hub

Use XHS II® Hub Kit 206 / 210

Order 999-00206
Order 999-00210

Do NOT use Gearcase Adapter Ring supplied with propeller.

Refer to Pages 1085, 1088, 1089 for Details on Hub Kit Components

MATCH MICHIGAN

ALUMINUM PROPELLERS

Boat Description/ Length	Dia.	Rot.	Pitch	Bld #	OEM Part #	CC Part #
CR, HB	14	R	11	3	763301	100-12047
19'-22' - AL	14	R	13	3	♦ 765181	100-11001
17'-19' - AL	13-3/4	R	15	3	♦ 765182	100-11002
15'-17' - AL	13-1/4	R	17	3	♦ 765183	100-11003
15'-17' - AL, SK	14	R	17	3	176214	*100-11024
14'-16' - AL	13	R	19	3	♦ 765184	100-11004
14'-16' - AL, SK	14	R	19	3	176215	* 100-11025
13'-15' - AL, SK	12-3/4	R	21	3	♦ 765185	100-11005

Rubber Hub Bushing

BALLISTIC MICHIGAN

STAINLESS STEEL - B SERIES PROPELLERS

Dia.	Rot.	Pitch	Bld #	OEM Part #	CC Part #
13-5/8	R	15	3		999-33415
13-1/2	R	17	3		999-33417
13-3/8	R	19	3		999-33419
13-1/8	R	21	3		999-33421

Drop-In Hub

Use XHS II® Hub Kit 206 / 210

Order 999-00206
Order 999-00210

Do NOT use Gearcase Adapter Ring supplied with propeller.

Refer to Pages 1085, 1088, 1089 for Details on Hub Kit Components

Note: For 60 HP & 70 HP 4-Stroke engine applications, 1998 & Newer, use XHS II® (Drop-In Hub) # 999-00210.
For all other engine applications use XHS II® (Drop-In Hub) Kit # 999-00206.

Note: ♦ When replacing Interchangeable Hub Evinrude® aluminum propeller with Michigan Match, Michigan Match Thrust Washer P/N 999-90406 is required.

100-11003

100-11024

999-41413

999-90406

Key to Abbreviations: LL = Light Loads; SB = Sailboat; AL = All Loads; SK = Skiboat; WB = Workboat; HB = Houseboat; CR = Cruisers; HL = Heavy Loads; WD = Weedless

* If currently using uncupped propeller, use cupped propeller having 2" less pitch. Boats with power trim use same pitch.

85-140 HORSEPOWER • V-4 (4-1/4") GEARCASE

Thru Hub Exhaust & 13 Tooth Spline

85 HP.....1969-1980; 1991-1995
88 HP.....1981-1996
90 HP.....1981 & Newer
90 HP E-TEC® (20" Shaft Length).....2004 & Newer
90 HP Pontoon Series .....2014 & Newer
100 HP.....1979-1980; 1989-1993
110 HP.....1986-1989
112 HP.....1994-1996
115 HP.....1973 & Newer
115 HP E-TEC® (20" Shaft Length).....2004 & Newer
120 HP.....1986-1994
125 HP.....1971-1972
130 HP E-TEC® (20" Shaft Length).....2004-2010
135 HP.....1973-1976
140 HP.....1977-1994

VORTEX MICHIGAN

3-BL ALUMINUM - B SERIES					4-BL ALUMINUM - B SERIES				
Dia.	Rot.	Pitch	Bld #	CC Part #	Dia.	Rot.	Pitch	Bld #	CC Part #
14	R	10	3	999-92109					
14	R	11	3	999-92111	13-7/8	R	11	4	999-41411
14	R	13	3	999-92112	13-7/8	R	13	4	999-41413
13-3/4	R	15	3	999-92113	13-3/8	R	15	4	999-41415
13-1/4	R	17	3	999-92114	13	R	17	4	999-41417
13	R	19	3	999-92115	12-1/2	R	19	4	999-41419
12-3/4	R	21	3	999-92116					

Drop-In Hub

Use XHS II® Hub Kit

206

Order 999-00206

Refer to Pages 1085, 1088, 1089 for Details on Hub Kit Components

APOLLO MICHIGAN

STAINLESS STEEL - B SERIES PROPELLERS					
Dia.	Rot.	Pitch	Bld #	OEM Part #	CC Part #
13-3/8	R	15	3	763950	999-93143
13-3/8	L	15	3		999-93153
13-1/4	R	17	3	763951	999-93144
13-1/4	L	17	3		999-93154
13-1/8	R	19	3	763952	999-93145
13-1/8	L	19	3		999-93155
13	R	21	3		999-93146
13	L	21	3		999-93156

Drop-In Hub

Use XHS II® Hub Kit

206

Order 999-00206

Refer to Pages 1085, 1088, 1089 for Details on Hub Kit Components

MATCH MICHIGAN

Boat Description/ Length	ALUMINUM PROPELLERS					
	Dia.	Rot.	Pitch	Bld #	OEM Part #	CC Part #
CR, HB	14	R	11	3	763301	100-12047
CR, HB	14	R	13	3	♦ 765181	100-11001
20'-24' - AL	13-3/4	R	15	3	♦ 765182	100-11002
19'-22' - AL	13-1/4	R	17	3	♦ 765183	100-11003
19'-22' - AL, SK	14	R	17	3	176214	100-11024
17'-19' - AL	13	R	19	3	♦ 765184	100-11004
17'-19' - AL, SK	14	R	19	3	176215	100-11025
15'-18' - AL, SK	12-3/4	R	21	3	♦ 765185	100-11005
High Performance						
High Performance						

Rubber Hub Bushing

BALLISTIC MICHIGAN

STAINLESS STEEL - B SERIES PROPELLERS										
3-BLADE BALLISTIC XHS					3-BLADE BALLISTIC XHS XL					
Dia.	Rot.	Pitch	Bld #	CC Part #	Dia.	Rot.	Pitch	Bld #	CC Part #
13-5/8	R	15	3	999-33415					
13-1/2	R	17	3	999-33417					
13-3/8	R	19	3	999-33419					
13-1/8	R	21	3	999-33421					
					13-1/2	R	22	3	999-53422
					13-1/2	R	24	3	999-53424

Drop-In Hub

Use XHS II® Hub Kit

206

Order 999-00206

Do NOT use Gearcase Adapter Ring supplied with propeller.

Refer to Pages 1085, 1088, 1089 for Details on Hub Kit Components

Note: ♦ When replacing Interchangeable Hub Evinrude® aluminum propeller with Michigan Match, Michigan Match Thrust Washer P/N 999-90406 is required.

MATCH MICHIGAN

VORTEX MICHIGAN

APOLLO MICHIGAN

BALLISTIC MICHIGAN

Key to Abbreviations: LL = Light Loads; SB = Sailboat; AL = All Loads; SK = Skiboat; WB = Workboat; HB = Houseboat; CR = Cruisers; HL = Heavy Loads; WD = Weedless

90, 115 & 140 HORSEPOWER • JOHNSON • 4-1/4" GEARCASE

Thru Hub Exhaust & 15 Tooth Spline

90 HP 4-Stroke .....2002-2005 115 HP 4-Stroke ..... 2002-2005 140 HP 4-Stroke 2002-2005

VORTEX MICHIGAN

3-BL ALUMINUM - B SERIES					4-BL ALUMINUM - B SERIES				
Dia.	Rot.	Pitch	Bld #	CC Part #	Dia.	Rot.	Pitch	Bld #	CC Part #
14	R	10	3	999-92109					
14	R	11	3	999-92111	13-7/8	R	11	4	999-41411
14	R	13	3	999-92112	13-7/8	R	13	4	999-41413
13-3/4	R	15	3	999-92113	13-3/8	R	15	4	999-41415
13-1/4	R	17	3	999-92114	13	R	17	4	999-41417
13	R	19	3	999-92115	12-1/2	R	19	4	999-41419
12-3/4	R	21	3	999-92116					

Drop-In Hub

Use XHS II® Hub Kit 225 / 226

Order 999-00225
Order 999-00226

USE Gearcase Adapter Ring supplied with propeller.

Refer to Pages 1085, 1088, 1089 for Details on Hub Kit Components

APOLLO MICHIGAN

STAINLESS STEEL - B SERIES PROPELLERS					
Dia.	Rot.	Pitch	Bld #	OEM Part #	CC Part #
13-3/8	R	15	3	763950	999-93143
13-3/8	L	15	3		999-93153
13-1/4	R	17	3	793951	999-93144
13-1/4	L	17	3		999-93154
13-1/8	R	19	3	763952	999-93145
13-1/8	L	19	3		999-93155
13	R	21	3		999-93146
13	L	21	3		999-93156

Drop-In Hub

Use XHS II® Hub Kit 225 / 226

Order 999-00225
Order 999-00226

USE Gearcase Adapter Ring supplied with propeller.

Refer to Pages 1085, 1088, 1089 for Details on Hub Kit Components

MATCH MICHIGAN

Boat Description/ Length	ALUMINUM PROPELLERS					
	Dia.	Rot.	Pitch	Bld #	OEM Part #	CC Part #
24' & Up - AL	14	R	15	3		100-61020
20'-24' - AL, SK	14	R	17	3		100-61024
20'-24' - AL	14	R	18	3		100-61026
17'-19' - AL, SK	14	R	19	3		100-61028
16'-18' - AL, SK	14	R	21	3		100-61032
15'-18' - AL, SK						

Rubber Hub Bushing

BALLISTIC MICHIGAN

STAINLESS STEEL - B SERIES PROPELLERS									
3-BLADE BALLISTIC					3-BLADE BALLISTIC XL				
Dia.	Rot.	Pitch	Bld #	CC Part #					
13-5/8	R	15	3	999-33415					
13-1/2	R	17	3	999-33417					
13-3/8	R	19	3	999-33419					
13-1/8	R	21	3	999-33421	13-1/2	R	22	3	999-53422
					13-1/2	R	24	3	999-53424

Drop-In Hub

Use XHS II® Hub Kit 225 / 226

Order 999-00225
Order 999-00226

USE Gearcase Adapter Ring supplied with propeller.

Note: For 90 HP & 115 HP 4-Stroke engine applications use XHS II® (Drop-In Hub) Kit # 999-00225.
For 140 HP 4-Stroke engine applications use XHS II® (Drop-In Hub) Kit # 999-00226.

100-61020

MATCH MICHIGAN

100-61028

MATCH MICHIGAN

Key to Abbreviations: LL = Light Loads; SB = Sailboat; AL = All Loads; SK = Skiboat; WB = Workboat; HB = Houseboat; CR = Cruisers; HL = Heavy Loads; WD = Weedless

200 & 225 HORSEPOWER • JOHNSON • 4-3/4" GEARCASE

Thru Hub Exhaust & 15 Tooth Spline • VORTEX® AND APOLLO® PROPELLER DIAMETERS ARE SLIGHTLY LESS THAN ORIGINAL EQUIPMENT PROPELLERS.

200 HP 4-Stroke .....2004-2005 225 HP 4-Stroke 2004-2005

VORTEX MICHIGAN

3-BL ALUMINUM - A SERIES

Dia.	Rot.	Pitch	Bld #	CC Part #
16	R	13	3	999-92001
15-1/4	R	15	3	999-92002
16	R	16	3	999-31516
15	R	17	3	999-92003
14-1/2	R	19	3	999-92004
14-1/4	R	21	3	999-92005
14	R	23	3	999-92006

4-BL ALUMINUM - A SERIES

Dia.	Rot.	Pitch	Bld #	CC Part #
15	R	16	4	999-92202
14-1/2	R	18	4	999-92203
14	R	20	4	999-92204

Drop-In Hub

Use XHS II® Hub Kit **204**

Order 999-00204

Refer to Pages 1085, 1088, 1089 for Details on Hub Kit Components

APOLLO MICHIGAN

STD. 3-BLADE A SERIES

Dia.	Rot.	Pitch	CC Part #
14-3/8	R	15	999-93042
14-3/8	L	15	999-93052
14-1/4	R	17	999-93043
14-1/4	L	17	999-93053
14-1/8	R	19	999-93044
14-1/8	L	19	999-93054
14	R	21	999-93045
14	L	21	999-93055
13-7/8	R	23	999-93046
13-7/8	L	23	999-93056

LG DIA. 3-BLADE A SERIES

Dia.	Rot.	Pitch	CC Part #
15-1/2	R	17	999-93023
15-1/2	L	17	999-93033
15-1/4	R	19	999-93024
15-1/4	L	19	999-93034
14-3/4	R	21	999-93025
14-3/4	L	21	999-93035
14-5/8	R	23	999-93026
14-5/8	L	23	999-93036

4-BLADE A SERIES

Dia.	Rot.	Pitch	CC Part #
14-5/8	R	16	999-93203
14-5/8	L	16	999-93213
14-3/8	R	18	999-93204
14-3/8	L	18	999-93214
14-1/8	R	20	999-93205
14-1/8	L	20	999-93215
14	R	22	999-93206
14	L	22	999-93216

Drop-In Hub

Use XHS II® Hub Kit **204**

Order 999-00204

Refer to Pages 1085, 1088, 1089 for Details on Hub Kit Components

BALLISTIC MICHIGAN

STAINLESS STEEL - A SERIES PROPELLERS

3-BLADE BALLISTIC

Dia.	Rot.	Pitch	Bld #	CC Part #
14-7/8	R	15	3	999-33515
14-3/4	R	17	3	999-33517
14-3/4	L	17	3	999-37517
14-1/2	R	19	3	999-33519
14-1/2	L	19	3	999-37519
14-3/8	R	21	3	999-33521
14-3/8	L	21	3	999-37521
14-1/4	R	23	3	999-33523
14-1/4	L	23	3	999-37523
14-1/4	R	25	3	✠ 999-33525

3-BLADE BALLISTIC XL

Dia.	Rot.	Pitch	Bld #	CC Part #
14-3/4	R	22	3	✠ 999-53522
14-3/4	R	24	3	✠ 999-53524
14-3/4	R	26	3	✠ 999-53526

✠ May interfere with trim tab.

Drop-In Hub

Use XHS II® Hub Kit **204**

Order 999-00204

Refer to Pages 1085, 1088, 1089 for Details on Hub Kit Components

Key to Abbreviations: LL = Light Loads; SB = Sailboat; AL = All Loads; SK = Skiboat; WB = Workboat; HB = Houseboat; CR = Cruisers; HL = Heavy Loads; WD = Weedless

90-300 HORSEPOWER • V-6 (4-3/4") GEARCASE (Includes E-TEC® & E-TEC® H.O. 25" Shaft Length)

Thru Hub Exhaust & 15 Tooth Spline

90 HP.....1995 & Newer
90 HP E-TEC® (25" Shaft Length) ....2004 & Newer
100 HP Commercial.....1984 & Newer
115 HP.....1995 & Newer
115 HP E-TEC® (25" Shaft Length)...2004 & Newer
115 HP Pontoon Series.....2014 & Newer
120-140 HP 1985
130 HP.....1995-1996
130 HP E-TEC® (25" Shaft Length) 2009-2010
135 HP.....2014 & Newer
140 (25") HP 1989-1994
150 HP Commercial .....1995 & Newer
150 HP (Includes E-TEC®).....1978 & Newer
150 HP Pontoon Series.....2014 & Newer
155 HP Commercial .....1978 & Newer
175 HP (Includes E-TEC®).....1977 & Newer
185 HP.....1984-1985
200 HP (Includes E-TEC®).....1976 & Newer
225 HP (Includes E-TEC®).....1986 & Newer
235 HP 1978-1985
250 HP (Includes E-TEC®).....1991 & Newer
275 HP 1986-1988
300 HP .....1988-1995; 09 & Newer
2.6 Liter 1984-1985
3.6 Liter 1986-1987

***For engines 300 HP or higher, use "High Horsepower Sleeve" (P/N 991372). SEE PAGE 1080 for more details.**

VORTEX MICHIGAN

3-BL ALUMINUM - A SERIES					4-BL ALUMINUM - A SERIES				
Dia.	Rot.	Pitch	Bld #	CC Part #	Dia.	Rot.	Pitch	Bld #	CC Part #
16	R	13	3	999-92001					
15-1/4	R	15	3	999-92002					
16	R	16	3	999-31516					
15	R	17	3	999-92003	15	R	16	4	999-92202
14-1/2	R	19	3	999-92004	14-1/2	R	18	4	999-92203
14-1/4	R	21	3	999-92005	14	R	20	4	999-92204
14	R	23	3	999-92006					

Drop-In Hub

Use XHS II® Hub Kit 200 / 201

Order 999-00200
Order 999-00201

Refer to Pages 1085, 1088, 1089 for Details on Hub Kit Components

APOLLO MICHIGAN

STD. 3-BLADE A SERIES				LG DIA. 3-BLADE A SERIES				4-BLADE A SERIES			
Dia.	Rot.	Pitch	CC Part #	Dia.	Rot.	Pitch	CC Part #	Dia.	Rot.	Pitch	CC Part #
14-3/8	R	15	999-93042								
14-3/8	L	15	999-93052								
14-1/4	R	17	999-93043	15-1/2	R	17	999-93023	14-5/8	R	16	999-93203
14-1/4	L	17	999-93053	15-1/2	L	17	999-93033	14-5/8	L	16	999-93213
14-1/8	R	19	999-93044	15-1/4	R	19	999-93024	14-3/8	R	18	999-93204
14-1/8	L	19	999-93054	15-1/4	L	19	999-93034	14-3/8	L	18	999-93214
14	R	21	999-93045	14-3/4	R	21	999-93025	14-1/8	R	20	999-93205
14	L	21	999-93055	14-3/4	L	21	999-93035	14-1/8	L	20	999-93215
13-7/8	R	23	999-93046	14-5/8	R	23	999-93026	14	R	22	999-93206
13-7/8	L	23	999-93056	14-5/8	L	23	999-93036	14	L	22	999-93216

Drop-In Hub

Use XHS II® Hub Kit 200 / 201

Order 999-00200
Order 999-00201

Refer to Pages 1085, 1088, 1089 for Details on Hub Kit Components

MATCH MICHIGAN

Boat Description/ Length	ALUMINUM PROPELLERS					
	Dia.	Rot.	Pitch	Bld #	OEM Part #	CC Part #
CR, HB	15-1/2	R	13	3	763453	100-11016
CR, HB	15-1/2	R	15	3	765186	100-11006
20'-26' - AL, SK	15	R	17	3	765187	100-11007
20'-26' - AL, SK						
18'-22' - AL, SK	14-1/2	R	19	3	765188	100-11008
18'-22' - AL, SK						
17'-19' - AL, SK	14-1/4	R	21	3	765189	100-11009
17'-19' - AL, SK						
15'-18' - AL, SK						
15'-18' - AL, SK						
High Performance						
High Performance						
50-62 MPH						
55-67 MPH						
60-72 MPH						

Rubber Hub Bushing

BALLISTIC MICHIGAN

STAINLESS STEEL - A SERIES PROPELLERS										
3-BLADE BALLISTIC					3-BLADE BALLISTIC XL					
Dia.	Rot.	Pitch	Bld #	CC Part #	Dia.	Rot.	Pitch	Bld #	CC Part #
14-7/8	R	15	3	999-33515					
14-3/4	R	17	3	999-33517					
14-3/4	L	17	3	999-37517					
14-1/2	R	19	3	999-33519					
14-1/2	L	19	3	999-37519					
14-3/8	R	21	3	999-33521					
14-3/8	L	21	3	999-37521					
14-1/4	R	23	3	999-33523					
14-1/4	L	23	3	999-37523	14-3/4	R	22	3	999-53522
14-1/4	R	25	3	999-33525	14-3/4	R	24	3	999-53524
					14-3/4	R	26	3	999-53526
4-BLADE BALLISTIC XL									
					14-1/8	R	23	4	999-63523
					14-1/8	R	25	4	999-63525
					14-1/8	R	27	4	999-63527

Drop-In Hub

Use XHS II® Hub Kit 200 / 201

Order 999-00200
Order 999-00201

Refer to Pages 1085, 1088, 1089 for Details on Hub Kit Components

Note: For engine applications 1976-1990 use XHS II® (Drop-In Hub) Kit # 999-00201.
For engine applications 1991 & Newer use XHS II® (Drop-In Hub) Kit # 999-00200.

Key to Abbreviations: LL = Light Loads; SB = Sailboat; AL = All Loads; SK = Skiboat; WB = Workboat; HB = Houseboat; CR = Cruisers; HL = Heavy Loads; WD = Weedless

150-300 HORSEPOWER • EVINRUDE® E-TEC® G2® GEARCASE

Thru Hub Exhaust & 15 Tooth Spline

150 HP G2 ..... 2016 & Newer
150 HP H.O. G2 ..... 2016 & Newer
175 HP G2 ..... 2016 & Newer
200 HP G2 ..... 2016 & Newer
200 HP H.O. G2 ..... 2014 & Newer
225 HP G2 ..... 2014 & Newer
225 HP H.O. G2 ..... 2014 & Newer
250 HP G2 ..... 2014 & Newer
250 HP H.O. G2 ..... 2014 & Newer
300 HP G2 ..... 2014 & Newer

VORTEX MICHIGAN

3-BL ALUMINUM - A SERIES

Dia.	Rot.	Pitch	Bld #	CC Part #
16	R	13	3	999-92001
15-1/4	R	15	3	999-92002
16	R	16	3	999-31516
15	R	17	3	999-92003
14-1/2	R	19	3	999-92004
14-1/4	R	21	3	999-92005
14	R	23	3	999-92006

4-BL ALUMINUM - A SERIES

Dia.	Rot.	Pitch	Bld #	CC Part #
15	R	16	4	999-92202
14-1/2	R	18	4	999-92203
14	R	20	4	999-92204

Drop-In Hub

Use XHS II® Hub Kit **228**

Order 999-00228

Refer to Pages 1085, 1088, 1089 for Details on Hub Kit Components

APOLLO MICHIGAN

STD. 3-BLADE A SERIES

Dia.	Rot.	Pitch	CC Part #
14-3/8	R	15	999-93042
14-3/8	L	15	999-93052
14-1/4	R	17	999-93043
14-1/4	L	17	999-93053
14-1/8	R	19	999-93044
14-1/8	L	19	999-93054
14	R	21	999-93045
14	L	21	999-93055
13-7/8	R	23	999-93046
13-7/8	L	23	999-93056

LG DIA. 3-BLADE A SERIES

Dia.	Rot.	Pitch	CC Part #
15-1/2	R	17	999-93023
15-1/2	L	17	999-93033
15-1/4	R	19	999-93024
15-1/4	L	19	999-93034
14-3/4	R	21	999-93025
14-3/4	L	21	999-93035
14-5/8	R	23	999-93026
14-5/8	L	23	999-93036

4-BLADE A SERIES

Dia.	Rot.	Pitch	CC Part #
14-5/8	R	16	999-93203
14-5/8	L	16	999-93213
14-3/8	R	18	999-93204
14-3/8	L	18	999-93214
14-1/8	R	20	999-93205
14-1/8	L	20	999-93215
14	R	22	999-93206
14	L	22	999-93216

Drop-In Hub

Use XHS II® Hub Kit **228**

Order 999-00228

Refer to Pages 1085, 1088, 1089 for Details on Hub Kit Components

BALLISTIC MICHIGAN

STAINLESS STEEL - A SERIES PROPELLERS

3-BLADE BALLISTIC

Dia.	Rot.	Pitch	Bld #	CC Part #
14-7/8	R	15	3	999-33515
14-3/4	R	17	3	999-33517
14-3/4	L	17	3	999-37517
14-1/2	R	19	3	999-33519
14-1/2	L	19	3	999-37519
14-3/8	R	21	3	999-33521
14-3/8	L	21	3	999-37521
14-1/4	R	23	3	999-33523
14-1/4	L	23	3	999-37523
14-1/4	R	25	3	999-33525

3-BLADE BALLISTIC XL

Dia.	Rot.	Pitch	Bld #	CC Part #
14-3/4	R	22	3	999-53522
14-3/4	R	24	3	999-53524
14-3/4	R	26	3	999-53526

4-BLADE BALLISTIC XL

Dia.	Rot.	Pitch	Bld #	CC Part #
14-1/8	R	23	4	999-63523
14-1/8	R	25	4	999-63525
14-1/8	R	27	4	999-63527

Drop-In Hub

Use XHS II® Hub Kit **228**

Order 999-00228

Refer to Pages 1085, 1088, 1089 for Details on Hub Kit Components

Key to Abbreviations: LL = Light Loads; SB = Sailboat; AL = All Loads; SK = Skiboat; WB = Workboat; HB = Houseboat; CR = Cruisers; HL = Heavy Loads; WD = Weedless

3.5-8 HORSEPOWER
Non-Thru Hub Exhaust & 9 Tooth / Pin Drive

3.5 HP.....1982-1984
4 HP.....1977-1987
4.4 HP.....1968-1988
5 HP.....1987-1998
6 HP.....1975-1981
6.6 HP.....1968-1988
7 HP.....1968-1988
7.5 HP.....1979-1984
8 HP.....1975-1978

MATCH MICHIGAN — ALUMINUM PROPELLERS

Boat Description/ Length	Dia.	Rot.	Pitch	Bld #	OEM Part #	CC Part #
Standard Replacement	7-1/4	R	5-1/2	3	48-FP488	100-72123

100-72123

Rubber Hub Bushing

6-10 HORSEPOWER
Non-Thru Hub Exhaust & 14 Tooth / Pin Drive

6 & 10 HP Sailor.....1976-1977
Sailor 150.....1978
Sailor 180.....1979-1984
Sailor 250.....1979-1984
Sailor 280.....1979

MATCH MICHIGAN — ALUMINUM PROPELLERS

Boat Description/ Length	Dia.	Rot.	Pitch	Bld #	OEM Part #	CC Part #
SB	10-3/8	R	10	3	FP-278	100-72014

100-72014

Rubber Hub Bushing

9.9-15 HORSEPOWER
Thru Hub Exhaust & 8 Tooth Spline

9.9 HP.....1996-1998
15 HP.....1996-1998

MATCH MICHIGAN — ALUMINUM PROPELLERS

Boat Description/ Length	Dia.	Rot.	Pitch	Bld #	OEM Part #	CC Part #
16'-20' - AL	9-1/4	R	7	3	48-828152A12	100-32056
14'-20' - AL	9	R	8	3	48-828154A12	100-32053
14'-18' - AL	9	R	9	3	48-828156A12	100-32052
14'-16' - AL						

100-32056

Rubber Hub Bushing

25 HORSEPOWER • 3" GEARCASE
Thru Hub Exhaust & 10 Tooth Spline • ! MUST use Gearcase Adapter Ring supplied with propeller.

25 HP 3 Cyl.....1995-1998

VORTEX MICHIGAN — ALUMINUM - E SERIES PROPELLERS

Boat Description/ Length	Dia.	Rot.	Pitch	Bld #	OEM Part #	CC Part #
	10-1/2	R	9	3		999-92501
	10-1/2	R	10	3		999-92502
15'-19' - AL	10-1/2	R	11	3	48-19638A40	999-92503
15'-17' - AL	10-1/8	R	12	3		999-92504
13'-15' - LL	10-1/8	R	13	3	48-19640A40	999-92505
Up to 14' - LL	10-1/8	R	14	3		999-92506

Drop-In Hub
Use XHS II® Hub Kit 220
Order 999-00220
!

999-12440 - Gearcase Adapter Rings

999-92504
Vortex® XHS® Aluminum Propeller

100-31048

100-31049

MATCH MICHIGAN — ALUMINUM PROPELLERS

Boat Description/ Length	Dia.	Rot.	Pitch	Bld #	OEM Part #	CC Part #
15'-19'	10-3/8	R	11	3	48-19638A40	100-31049
13'-15'	10-3/8	R	13	3	48-19640A40	100-31048
Up to 14'						

Rubber Hub Bushing

BALLISTIC MICHIGAN — STAINLESS STEEL - E SERIES PROPELLERS

Dia.	Rot.	Pitch	Bld #	OEM Part #	CC Part #
10-1/8	R	13	3		✻ 999-33013
10-1/8	R	15	3		✻ 999-33015

Drop-In Hub
Use XHS II® Hub Kit 220
Order 999-00220
!

Note: ✻ May interfere with trim tab.

Key to Abbreviations: LL = Light Loads; SB = Sailboat; AL = All Loads; SK = Skiboat; WB = Workboat; HB = Houseboat; CR = Cruisers; HL = Heavy Loads; WD = Weedless

20-60 HORSEPOWER

Non-Thru Hub Exhaust & 14 Tooth / Pin Drive • *Will fit Sailor 6-10 HP engines, as required for RPM*

20-25 HP 1979-1981
30 HP.....1966-1976
35 HP.....1966-1991
40 HP.....1992-1994
45 HP.....1966-1984
50 HP.....1982-1994
55 HP ❖❖ 1966-1983
60 HP ❖❖ 1966-1975

MATCH MICHIGAN — ALUMINUM PROPELLERS

Boat Description/ Length	Dia.	Rot.	Pitch	Bld #	OEM Part #	CC Part #
CR, HB, SB	10-3/8	R	10	3	48-819337A40	100-72014
17'-19' - AL, SK	10-3/8	R	11-1/2	3	48-819336A40	100-72131
16'-17' - AL, SK	10-3/8	R	12-1/2	3	48-819335A40	100-72132
14'-16' - AL, SK	10-3/8	R	13-1/2	3	48-819334A40	100-72133

100-72014

Rubber Hub Bushing

40-75 HORSEPOWER • 3-1/4" GEARCASE

Thru Hub Exhaust & 13 Tooth Spline

40 HP.....1995-1998
50 HP.....1995-1998
70 HP.....1991-1995
75 HP 1996-1998

VORTEX MICHIGAN — ALUMINUM - D SERIES PROPELLERS

3-BLADE				LG. DIAMETER 3-BLADE				4-BLADE			
Dia.	Rot.	Pitch	CC Part #	Dia.	Rot.	Pitch	CC Part #	Dia.	Rot.	Pitch	CC Part #
								11-1/2	R	8	999-92401
				12-1/4	R	9	999-92601	11-1/2	R	9	999-92402
				11-3/4	R	10	999-92602	11-1/2	R	10	999-92403
10-3/8	R	11	999-92404	11-5/8	R	11	999-92603	4-BLADE			
10-3/8	R	12	999-92405	11-3/8	R	12	999-92604	10-5/8	R	12	999-41212
10-3/8	R	13	999-92406	11-1/8	R	13	999-92605	10-3/8	R	13	999-41213
10-3/8	R	14	999-92407	11-1/4	R	14	999-92606	10-1/8	R	14	999-41214
10	R	15	999-92408					10-1/8	R	15	999-41215
10	R	16	999-92409								

Drop-In Hub

Use XHS II® Hub Kit 214

Order 999-00214

APOLLO MICHIGAN — STAINLESS STEEL - D SERIES PROPELLERS

Dia.	Rot.	Pitch	Bld #	OEM Part #	CC Part #
10-3/4	R	12	3		999-93405
10-1/2	R	13	3		999-93406
10-3/8	R	14	3		999-93407
10-1/8	R	15	3		999-93408

Drop-In Hub

Use XHS II® Hub Kit 214

Order 999-00214

MATCH MICHIGAN — ALUMINUM PROPELLERS

Boat Description/ Length	Dia.	Rot.	Pitch	Bld #	OEM Part #	CC Part #
19' & Up	12-1/2	R	8	3	48-42738A10	100-32141
19' & Up	12-1/4	R	9	3		100-32143
17'-19' - AL, SK	11-1/4	R	10	3	48-73132A40	100-31015
16'-18' - AL, SK	12	R	10-1/2	3	48-42740A10	100-32142
16'-18' - AL, SK	10-7/8	R	11	3	48-85632A40	100-32053
15'-17' - AL, SK	10-3/4	R	12	3	48-816702A40	100-32056
15'-17' - AL, SK	10-5/8	R	12	3	48-73134A40	100-31016
14'-17' - AL, SK	10-1/2	R	13	3	48-816704A40	100-31057
14'-17' - AL, SK	10-3/8	R	13	3	48-73136A40	100-31017
14'-16' - LL	10-3/8	R	14	3	48-816706A40	100-31058
14'-16' - LL	10-1/4	R	14	3	48-73138A40	100-31018
13'-15' - LL	10-1/8	R	15	3	48-73140A40	100-31019
Up to 15'	10	R	17	3	48-73144A40	100-31020

Rubber Hub Bushing

BALLISTIC MICHIGAN — STAINLESS STEEL - D SERIES PROPELLERS

Dia.	Rot.	Pitch	Bld #	OEM Part #	CC Part #
10-1/8	R	13	3		999-33213
10-1/8	R	15	3		999-33215

Drop-In Hub

Use XHS II® Hub Kit 214

Order 999-00214

Refer to Pages 1085, 1088, 1089 for Details on Hub Kit Components

Key to Abbreviations: LL = Light Loads; SB = Sailboat; AL = All Loads; SK = Skiboat; WB = Workboat; HB = Houseboat; CR = Cruisers; HL = Heavy Loads; WD = Weedless

❖❖ Two-piece lower unit.

75-140 HORSEPOWER • SINGLE EXHAUST UNITS ❖ (SEE BELOW)

Non-Thru Hub Exhaust & 15 Tooth Spline

75 HP Std. & Charger 1980-1984	105 HP....1977-1978; 1982	135 HP....1977
85 HP Std. & Charger 1978-1989	115 HP Std. & Charger....1978-1984	140 HP....1978-1984
90 HP....1983-1984	120 HP....1977	
100 HP....1979-1984	125 HP....1977; 1982; 1985-1989	

MATCH MICHIGAN

Boat Description/ Length	ALUMINUM PROPELLERS					
	Dia.	Rot.	Pitch	Bld #	OEM Part #	CC Part #
16'-17' - AL, SK	13-1/8	R	15	3	FPS519	100-72055
14'-16' - AL, SK	13-1/4	R	17	3	FPS623	100-72107
14'-16' - LL	13	R	19	3	FPS625	100-72108

100-72055

100-72108

Rubber Hub Bushing

85-150 HORSEPOWER • DUAL EXHAUST UNITS • 4-1/4" GEARCASE (SEE BELOW)

Thru Hub Exhaust & 15 Tooth Spline

85 HP....1988-1989	120 HP....1990-1994	150 HP....1989-1994
90 HP....1990-1994	120 HP L-Drive....1989-1991	150 HP L-Drive....1991
90 HP L-Drive....1989-1991	125 HP....1988-1989	

VORTEX MICHIGAN

3-BL ALUMINUM - B SERIES					4-BL ALUMINUM - B SERIES				
Dia.	Rot.	Pitch	Bld #	CC Part #	Dia.	Rot.	Pitch	Bld #	CC Part #
14	R	10	3	999-92109					
14	R	11	3	999-92111	13-7/8	R	11	4	999-41411
14	R	13	3	999-92112	13-7/8	R	13	4	999-41413
13-3/4	R	15	3	999-92113	13-3/8	R	15	4	999-41415
13-1/4	R	17	3	999-92114	13	R	17	4	999-41417
13	R	19	3	999-92115	12-1/2	R	19	4	999-41419
12-3/4	R	21	3	999-92116					

Drop-In Hub

Use XHS II® Hub Kit

202

Order 999-00202

Do NOT use Gearcase Adapter Ring supplied with propeller.

999-41417

100-71036

MATCH MICHIGAN

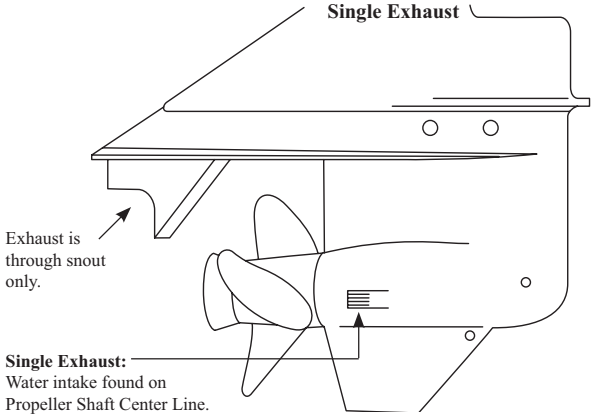
Boat Description/ Length	ALUMINUM PROPELLERS					
	Dia.	Rot.	Pitch	Bld #	OEM Part #	CC Part #
17'-22' - AL, SK	13-1/2	R	15	3	48-FP669-1	* 100-71035
17'-22' - AL, SK	13-1/2	R	15	3	48-FP692-1	100-72127
16'-20' - AL, SK	13-1/2	R	17	3	48-FP685-1	* 100-71036
16'-20' - AL, SK	13-1/2	R	17	3	48-FP685-1	100-72128

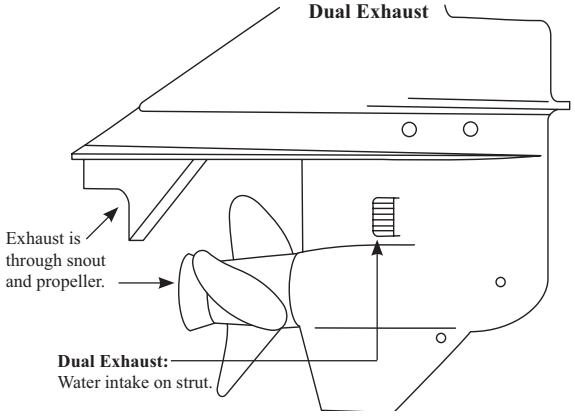
Rubber Hub Bushing

100-72128

100-72127

Single vs. Dual Exhaust





Key to Abbreviations: LL = Light Loads; SB = Sailboat; AL = All Loads; SK = Skiboat; WB = Workboat; HB = Houseboat; CR = Cruisers; HL = Heavy Loads; WD = Weedless

* If currently using uncupped propeller, use cupped propeller having 2" less pitch. Boats with power trim use same pitch.

75-150 HORSEPOWER • USING MERCURY 4-1/4" GEARCASE (SEE BELOW)

Thru Hub Exhaust & 15 Tooth Spline

75 HP ♦ 1999
90 HP ♦ ..... 1995 & Newer
90 HP L-Drive 1990-1991
120 HP ♦ ..... 1995 & Newer
120 HP L-Drive 1990-1991
150 HP 1989-1994
150 HP L-Drive 1991

VORTEX MICHIGAN

3-BL ALUMINUM - B SERIES					4-BL ALUMINUM - B SERIES				
Dia.	Rot.	Pitch	Bld #	CC Part #	Dia.	Rot.	Pitch	Bld #	CC Part #
14	R	10	3	999-92109					
14	R	11	3	999-92111	13-7/8	R	11	4	999-41411
14	R	13	3	999-92112	13-7/8	R	13	4	999-41413
13-3/4	R	15	3	999-92113	13-3/8	R	15	4	999-41415
13-1/4	R	17	3	999-92114	13	R	17	4	999-41417
13	R	19	3	999-92115	12-1/2	R	19	4	999-41419
12-3/4	R	21	3	999-92116					

Drop-In Hub

Use XHS II® Hub Kit 202

Order 999-00202

USE Gearcase Adapter Ring supplied with propeller.

Refer to Pages 1085, 1088, 1089 for Details on Hub Kit Components

APOLLO MICHIGAN

STAINLESS STEEL - B SERIES PROPELLERS					
Dia.	Rot.	Pitch	Bld #	OEM Part #	CC Part #
13-3/8	R	15	3		999-93143
13-3/8	L	15	3		999-93153
13-1/4	R	17	3		999-93144
13-1/4	L	17	3		999-93154
13-1/8	R	19	3		999-93145
13-1/8	L	19	3		999-93155
13	R	21	3		999-93146
13	L	21	3		999-93156

Drop-In Hub

Use XHS II® Hub Kit 202

Order 999-00202

USE Gearcase Adapter Ring supplied with propeller.

Refer to Pages 1085, 1088, 1089 for Details on Hub Kit Components

MATCH MICHIGAN

Boat Description/ Length	ALUMINUM PROPELLERS					
	Dia.	Rot.	Pitch	Bld #	OEM Part #	CC Part #
25' & Up - AL	14	R	10	3		100-31061
25' & Up	14	R	11	3	48-77338A45	100-31254
22' & Up	14	R	13	3	48-77340A45	100-31055
19'-24' - AL	13-3/4	R	15	3	48-77342A45	100-31041
17'-20' - AL, SK	13-1/4	R	17	3	48-77344A45	100-31042
16'-19' - AL	13	R	19	3	48-77346A45	100-31043
15'-18' - AL	12-3/4	R	21	3	48-77348A45	100-31044
Up to 17' - LL						

Rubber Hub Bushing

BALLISTIC MICHIGAN

STAINLESS STEEL - B SERIES PROPELLERS									
3-BLADE BALLISTIC					3-BLADE BALLISTIC XL				
Dia.	Rot.	Pitch	Bld #	CC Part #	Dia.	Rot.	Pitch	Bld #	CC Part #
13-5/8	R	15	3	999-33415					
13-1/2	R	17	3	999-33417					
13-3/8	R	19	3	999-33419					
13-1/8	R	21	3	999-33421	13-1/2	R	22	3	✠999-53422
					13-1/2	R	24	3	✠999-53424

Drop-In Hub

Use XHS II® Hub Kit 202

Order 999-00202

USE Gearcase Adapter Ring supplied with propeller.

Refer to Pages 1085, 1088, 1089 for Details on Hub Kit Components

Note: ✠ Requires Michigan Wheel high performance trim tab P/N 999-90404.

100-31042

MATCH MICHIGAN

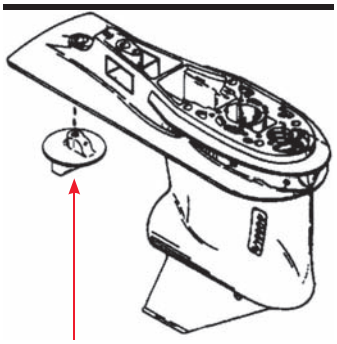
100-31043

MATCH MICHIGAN

999-90404

MICHIGAN WHEEL

Force Using Mercury Gearcase



Exhaust is through propeller only.
No exhaust snout, trim tab only.

Key to Abbreviations: LL = Light Loads; SB = Sailboat; AL = All Loads; SK = Skiboat; WB = Workboat; HB = Houseboat; CR = Cruisers; HL = Heavy Loads; WD = Weedless

♦ For all units 1995 & Newer. Requires thrust washer 13191A1.

7.5-10 HORSEPOWER
Non-Thru Hub Exhaust & Pin Drive

BF 7.5.....1978-1987 BF 8 ..... 1987-1999 BF 100 (10 HP) .....All Years

MATCH MICHIGAN

Boat Description/ Length	ALUMINUM PROPELLERS Dia.	Rot.	Pitch	Bld #	OEM Part #	CC Part #
16' & Up - LL	9-1/4	R	7	3		100-12102
14'-16' - LL	9	R	9	3	58130-881-840ZA	100-12109
12'-14' - LL	9	R	10	3		100-12011
12'-14' - LL	9-1/4	R	11	3		100-12013

100-12102

100-12011

100-12013

Rubber Hub Bushing

8-20 HORSEPOWER • 2-1/2" GEARCASE
Thru Hub Exhaust & 8 Tooth Spline

BF 8.....2000 & Newer
BF 9.9.....1988 & Newer
BF 15.....1991 & Newer
BF 20 .....2003 & Newer

MATCH MICHIGAN

Boat Description/ Length	ALUMINUM PROPELLERS Dia.	Rot.	Pitch	Bld #	OEM Part #	CC Part #
15'-17' - AL	9-1/4	R	8	3	58130-ZV4-008AH	101-02003
14'-16' - AL	9-1/4	R	9	3	58130-ZV4-009AH	101-02004
14'-16' - AL	9-1/4	R	9-3/4	3		101-02106
Up to 15' - LL	9-1/4	R	10-1/2	3	58130-ZV4-010AH	101-02005
Up to 15' - LL	9-1/4	R	12	3		101-02107

101-02003

Rubber Hub Bushing

25-30 HORSEPOWER • 3" GEARCASE
Thru Hub Exhaust & 10 Tooth Spline • ! MUST use Gearcase Adapter Ring supplied with propeller.

BF 25.....1994 & Newer BF 30.....1995 & Newer

VORTEX MICHIGAN

Boat Description/ Length	ALUMINUM - E SERIES PROPELLERS Dia.	Rot.	Pitch	Bld #	OEM Part #	CC Part #
20' & Up	10-1/2	R	9	3		999-92501
20' & Up	10-1/2	R	10	3		999-92502
17'-20' - AL	10-1/2	R	11	3	48-19638A40	999-92503
15'-18' - AL	10-1/8	R	12	3		999-92504
13'-15' - LL	10-1/8	R	13	3	48-19640A40	999-92505
13'-15' - LL	10-1/8	R	14	3		999-92506

Drop-In Hub

Use XHS II® Hub Kit 219

Order 999-00219

!

999-12440- Gearcase Adapter Rings

999-92504

Vortex® XHS® Aluminum Propeller

101-11103

MATCH MICHIGAN

Boat Description/ Length	ALUMINUM PROPELLERS Dia.	Rot.	Pitch	Bld #	OEM Part #	CC Part #
20' & Up	9-7/8	R	9	3	58130-ZW2-F11AZ	101-11103
18'-20' - AL	9-7/8	R	10	3	58130-ZW2-F21ZA	101-11107
17'-20' - AL	9-7/8	R	11	3	58130-ZW2-F31ZA	101-11105
15'-18' - AL	9-7/8	R	12	3	58130-ZW2-F01ZA	101-11106
13'-15' - LL	9-7/8	R	13	3	58130-ZW2-F41AZ	101-11108
Up to 15' - LL						

Rubber Hub Bushing

BALLISTIC MICHIGAN

STAINLESS STEEL - E SERIES PROPELLERS Dia.	Rot.	Pitch	Bld #	OEM Part #	CC Part #
10-1/8	R	13	3		✠ 999-33013
10-1/8	R	15	3		✠ 999-33015

Drop-In Hub

Use XHS II® Hub Kit 219

Order 999-00219

!

Note: ✠ May interfere with trim tab.

Key to Abbreviations: LL = Light Loads; SB = Sailboat; AL = All Loads; SK = Skiboat; WB = Workboat; HB = Houseboat; CR = Cruisers; HL = Heavy Loads; WD = Weedless

35-60 HORSEPOWER • 3-1/4" GEARCASE
Thru Hub Exhaust & 13 Tooth Spline

BF 35 1991-1994
BF 40 .....1995 & Newer
BF 45 1991-1994
BF 50 / 50A .....1995 & Newer
BF 60 / 60A .....2010 & Newer

VORTEX MICHIGAN — ALUMINUM - D SERIES PROPELLERS

3-BLADE				LG. DIAMETER 3-BLADE				4-BLADE			
Dia.	Rot.	Pitch	CCPart #	Dia.	Rot.	Pitch	CCPart #	Dia.	Rot.	Pitch	CCPart #
								11-1/2	R	8	999-92401
				12-1/4	R	9	999-92601	11-1/2	R	9	999-92402
				11-3/4	R	10	999-92602	11-1/2	R	10	999-92403
10-3/8	R	11	999-92404	11-5/8	R	11	999-92603	4-BLADE			
10-3/8	R	12	999-92405	11-3/8	R	12	999-92604	10-5/8	R	12	999-41212
10-3/8	R	13	999-92406	11-1/8	R	13	999-92605	10-3/8	R	13	999-41213
10-3/8	R	14	999-92407	11-1/4	R	14	999-92606	10-1/8	R	14	999-41214
10	R	15	999-92408					10-1/8	R	15	999-41215
10	R	16	999-92409								

Drop-In Hub

Use XHS II® Hub Kit 213

Order 999-00213

Refer to Pages 1085, 1088, 1089 for Details on Hub Kit Components

APOLLO MICHIGAN — STAINLESS STEEL - D SERIES PROPELLERS

Dia.	Rot.	Pitch	Bld #	Nearest Equivalent OEM Part #	CC Part #
10-3/4	R	12	3	59133-ZV5-012AH	999-93405
10-1/2	R	13	3	59133-ZV5-013AH	999-93406
10-3/8	R	14	3	59133-ZV5-014AH	999-93407
10-1/8	R	15	3	59133-ZV5-015AH	999-93408

Drop-In Hub

Use XHS II® Hub Kit 213

Order 999-00213

Refer to Pages 1085, 1088, 1089 for Details on Hub Kit Components

MATCH MICHIGAN — ALUMINUM PROPELLERS

Boat Description/ Length	Dia.	Rot.	Pitch	Bld #	OEM Part #	CC Part #
Pontoon	12-1/4	R	9	3	59130-ZV5-009AH	100-32046
17' & Up - AL, SK	11-3/4	R	10	3	59130-ZV5-860ZA	100-32045
16'-18' - AL, SK	11-5/8	R	11	3	59130-ZV5-011AH	100-32044
15'-17' - CUPPED	10-5/8	R	12	3		100-31074
15'-17' - AL, SK	11-3/8	R	12	3	59130-ZV5-012AH	100-32043
14'-17' - CUPPED	10-3/8	R	13	3		100-31075
14'-17' - AL, SK	11-1/8	R	13	3	59130-ZV5-013AH	100-32042
14'-16' - CUPPED	10-1/4	R	14	3		100-31076
14'-16' - AL, SK	11-1/4	R	14	3	59130-ZV5-014AH	100-32041
13'-15' - AL, SK	11	R	15	3	59130-ZV5-015AH	100-32040

Rubber Hub Bushing

BALLISTIC MICHIGAN — STAINLESS STEEL - D SERIES PROPELLERS

Dia.	Rot.	Pitch	Bld #	OEM Part #	CC Part #
10-1/8	R	13	3		999-33213
10-1/8	R	15	3		999-33215

Drop-In Hub

Use XHS II® Hub Kit 213

Refer to Pages 1085, 1088, 1089 for Details on Hub Kit Components

100-32046

MATCH MICHIGAN

100-31074

MATCH MICHIGAN

APOLLO MICHIGAN

BALLISTIC MICHIGAN

Key to Abbreviations: LL = Light Loads; SB = Sailboat; AL = All Loads; SK = Skiboat; WB = Workboat; HB = Houseboat; CR = Cruisers; HL = Heavy Loads; WD = Weedles

60-130 HORSEPOWER • 4-1/4" GEARCASE
Thru Hub Exhaust & 15 Tooth Spline

BFP 60 ..... 2010 & Newer
BF 75 ..... 1995 & Newer
BF 90 ..... 1995 & Newer
BF 100 ..... 2016 & Newer
BF 115 1998-2010
BF 130 1998-2004

VORTEX MICHIGAN

3-BL ALUMINUM - B SERIES

Dia.	Rot.	Pitch	Bld #	CC Part #
14	R	10	3	999-92109
14	R	11	3	999-92111
14	R	13	3	999-92112
13-3/4	R	15	3	999-92113
13-1/4	R	17	3	999-92114
13	R	19	3	999-92115
12-3/4	R	21	3	999-92116

4-BL ALUMINUM - B SERIES

Dia.	Rot.	Pitch	Bld #	CC Part #
13-7/8	R	11	4	999-41411
13-7/8	R	13	4	999-41413
13-3/8	R	15	4	999-41415
13	R	17	4	999-41417
12-1/2	R	19	4	999-41419

Drop-In Hub
Use XHS II® Hub Kit 202 / 207
Order 999-00202
Order 999-00207
USE Gearcase Adapter Ring supplied with propeller.
Refer to Pages 1085, 1088, 1089 for Details on Hub Kit Components

APOLLO MICHIGAN

STAINLESS STEEL - B SERIES PROPELLERS

Dia.	Rot.	Pitch	Bld #	OEM Part #	CC Part #
13-3/8	R	15	3	58133-ZW1-A15P	999-93143
13-3/8	L	15	3		999-93153
13-1/4	R	17	3		999-93144
13-1/4	L	17	3		999-93154
13-1/8	R	19	3		999-93145
13-1/8	L	19	3		999-93155
13	R	21	3		999-93146
13	L	21	3		999-93156

Drop-In Hub
Use XHS II® Hub Kit 202 / 207
Order 999-00202
Order 999-00207
USE Gearcase Adapter Ring supplied with propeller.
Refer to Pages 1085, 1088, 1089 for Details on Hub Kit Components

MATCH MICHIGAN

ALUMINUM PROPELLERS

Boat Description/ Length	Dia.	Rot.	Pitch	Bld #	OEM Part #	CC Part #
25' & Up - AL	14	R	10	3		100-31061
25' & Up	14	R	11	3	58130-ZW1-011AH	100-31254
22' & Up	14	R	13	3	58130-ZW1-013AH	100-31055
19'-24' - AL	13-3/4	R	15	3	58130-ZW1-015AH	100-31041
17'-20' - AL, SK	13-1/4	R	17	3	58130-ZW1-017AH	100-31042
16'-19' - AL	13	R	19	3	58130-ZW1-019AH	100-31043
15'-18' - AL	12-3/4	R	21	3	58130-ZW1-021AH	100-31044
Up to 17' - LL						

Rubber Hub Bushing

BALLISTIC MICHIGAN

STAINLESS STEEL - B SERIES PROPELLERS

3-BLADE BALLISTIC					3-BLADE BALLISTIC XL				
Dia.	Rot.	Pitch	Bld #	CC Part #	Dia.	Rot.	Pitch	Bld #	CC Part #
13-5/8	R	15	3 ✠	999-33415					
13-1/2	R	17	3 ✠	999-33417					
13-3/8	R	19	3 ✠	999-33419					
13-1/8	R	21	3 ✠	999-33421	13-1/2	R	22	3 ✠	999-53422
					13-1/2	R	24	3 ✠	999-53424

Drop-In Hub
Use XHS II® Hub Kit 202 / 207
Order 999-00202
Order 999-00207
USE Gearcase Adapter Ring supplied with propeller.
Refer to Pages 1085, 1088, 1089 for Details on Hub Kit Components

✠ May interfere with trim tab.

Note: For BF 75 & BF 90 HP 1995-1998 engine applications use XHS II® (Drop-In Hub) Kit # 999-00202.
For BF 75 & BF 90 HP 1999 & Newer engine applications use XHS II® (Drop-In Hub) Kit # 999-00207.
For BFP 60, BF 115 & BF 130 HP 1998 & Newer engine applications use XHS II® (Drop-In Hub) Kit # 999-00207.

100-31042
MATCH MICHIGAN

100-31043
MATCH MICHIGAN

Key to Abbreviations: LL = Light Loads; SB = Sailboat; AL = All Loads; SK = Skiboat; WB = Workboat; HB = Houseboat; CR = Cruisers; HL = Heavy Loads; WD = Weedless

115-250 HORSEPOWER • 4-3/4" GEARCASE

Thru Hub Exhaust & 15 Tooth Spline

BF 115 ..... 2011 & Newer
BF 135 ..... 2004 & Newer
BF 150 ..... 2004 & Newer
BF 200 ..... 2002 & Newer
BF 225 ..... 2002 & Newer
BF 250 ..... 2012 & Newer

VORTEX MICHIGAN

3-BL ALUMINUM - A SERIES

Dia.	Rot.	Pitch	Bld #	CC Part #
16	R	13	3	999-92001
15-1/4	R	15	3	999-92002
16	R	16	3	999-31516
15	R	17	3	999-92003
14-1/2	R	19	3	999-92004
14-1/4	R	21	3	999-92005
14	R	23	3	999-92006

4-BL ALUMINUM - A SERIES

Dia.	Rot.	Pitch	Bld #	CC Part #
15	R	16	4	999-92202
14-1/2	R	18	4	999-92203
14	R	20	4	999-92204

Drop-In Hub

Use XHS II® Hub Kit

207

Order 999-00207

Refer to Pages 1085, 1088, 1089 for Details on Hub Kit Components

APOLLO MICHIGAN

STD. 3-BLADE A SERIES

Dia.	Rot.	Pitch	CC Part #
14-3/8	R	15	999-93042
14-3/8	L	15	999-93052
14-1/4	R	17	999-93043
14-1/4	L	17	999-93053
14-1/8	R	19	999-93044
14-1/8	L	19	999-93054
14	R	21	999-93045
14	L	21	999-93055
13-7/8	R	23	999-93046
13-7/8	L	23	999-93056

LG DIA. 3-BLADE A SERIES

Dia.	Rot.	Pitch	CC Part #
15-1/2	R	17	999-93023
15-1/2	L	17	999-93033
15-1/4	R	19	999-93024
15-1/4	L	19	999-93034
14-3/4	R	21	999-93025
14-3/4	L	21	999-93035
14-5/8	R	23	999-93026
14-5/8	L	23	999-93036

4-BLADE A SERIES

Dia.	Rot.	Pitch	CC Part #
14-5/8	R	16	999-93203
14-5/8	L	16	999-93213
14-3/8	R	18	999-93204
14-3/8	L	18	999-93214
14-1/8	R	20	999-93205
14-1/8	L	20	999-93215
14	R	22	999-93206
14	L	22	999-93216

Drop-In Hub

Use XHS II® Hub Kit

207

Order 999-00207

Refer to Pages 1085, 1088, 1089 for Details on Hub Kit Components

MATCH MICHIGAN

ALUMINUM PROPELLERS

Boat Description/ Length	Dia.	Rot.	Pitch	Bld #	OEM Part #	CC Part #
CR, HB	16	R	13	3	58130-ZY3-013A	100-31513
21'-24' - AL						
20'-23' - AL, SK	16	R	16	3		100-31516
19'-23' - AL, SK	14-1/2	R	17	3		100-31024
19'-23' - AL, SK	15	R	17	3	58130-ZY3-017A	100-31064
19'-22' - AL, SK	15-1/2	R	18	3		100-31052
18'-22' - AL, SK	14	R	19	3		100-31025
18'-22' - AL, SK	14-1/2	R	19	3	58130-ZY3-019A	100-31065
18'-20' - AL, SK	13-3/4	R	21	3		100-31026
18'-20' - AL, SK	14-1/4	R	21	3	58130-ZY3-021A	100-31066
17'-20' - AL, SK						
17'-20' - AL, SK						
Up to 18'						
High Performance						
High Performance						
High Perf. (EFI)						
High Performance						
High Performance						
High Perf. (EFI)						

Rubber Hub Bushing

BALLISTIC MICHIGAN

STAINLESS STEEL - A SERIES PROPELLERS

3-BLADE BALLISTIC

Dia.	Rot.	Pitch	Bld #	CC Part #
14-7/8	R	15	3	999-33515
14-3/4	R	17	3	999-33517
14-3/4	L	17	3	999-37517
14-1/2	R	19	3	999-33519
14-1/2	L	19	3	999-37519
14-3/8	R	21	3	999-33521
14-3/8	L	21	3	999-37521
14-1/4	R	23	3	999-33523
14-1/4	L	23	3	999-37523
14-1/4	R	25	3	999-33525

3-BLADE BALLISTIC XL

Dia.	Rot.	Pitch	Bld #	CC Part #
14-3/4	R	22	3	999-53522
14-3/4	R	24	3	999-53524
14-3/4	R	26	3	999-53526

4-BLADE BALLISTIC XL

Dia.	Rot.	Pitch	Bld #	CC Part #
14-1/8	R	23	4	999-63523
14-1/8	R	25	4	999-63525
14-1/8	R	27	4	999-63527

Drop-In Hub

Use XHS II® Hub Kit

207

Order 999-00207

Refer to Pages 1085, 1088, 1089 for Details on Hub Kit Components

Key to Abbreviations: LL = Light Loads; SB = Sailboat; AL = All Loads; SK = Skiboat; WB = Workboat; HB = Houseboat; CR = Cruisers; HL = Heavy Loads; WD = Weedless

4-6 HORSEPOWER
Thru Hub Exhaust & 12 Tooth Spline

4 HP 4-Stroke ..... 1999 & Newer
4 HP 2-Stroke ..... 1987 & Newer
5 HP 2-Stroke ..... 1987 & Newer
6 HP 4-Stroke ..... 1999 & Newer

Boat Description/ Length	MATCH MICHIGAN ALUMINUM PROPELLERS Dia.	Rot.	Pitch	Bld #	OEM Part #	CC Part #
Std. Replacement	7-7/8	R	8	3	48-812950A02	100-32055

* Standard replacement for 4-Stroke models.

100-32055

Rubber Hub Bushing

4-10 HORSEPOWER
Thru Hub Exhaust & 8 Tooth Spline

4 HP (Model 40) 1973-1975
4.5 HP (Model 45 / Model 4.5) 1973-1981
7.5 HP (Model 75 / Model 7.5) 1968-1978
9.8 HP (Model 110 / Model 9.8) ... 1968-1985

Boat Description/ Length	MATCH MICHIGAN ALUMINUM PROPELLERS Dia.	Rot.	Pitch	Bld #	OEM Part #	CC Part #
Standard Replacement	9	R	9	2	48-47922A10	100-32021
14'-16' - AL	9	R	7	3	48-47670A10	100-32020

100-32021

100-32020

Rubber Hub Bushing

6-15 HORSEPOWER • 2-1/2" GEARCASE
Thru Hub Exhaust & 8 Tooth Spline

6 HP 2-Stroke (Includes Merc 6) 1986-2002
8 HP 2-Stroke (Includes Merc 8) 1986-2005
8 HP 4-Stroke (Not Bigfoot) 1995-2004
9.9 HP 2-Stroke (Includes Merc 9.9) 1986-2005
9.9 HP 4-Stroke (Not Bigfoot) 1995-2004
10 HP ..... 1995 & Newer
10 HP (Sea Pro/Marathon) 1995-2001
15 HP (Sea Pro/Marathon) 1995-2001
15 HP 2-Stroke 1989-2005
15 HP 4-Stroke 1999-2006

Boat Description/ Length	MATCH MICHIGAN ALUMINUM PROPELLERS Dia.	Rot.	Pitch	Bld #	OEM Part #	CC Part #
15'-20' - AL	9-1/4	R	7	3	48-828152A12	100-32056
14'-20' - AL	9	R	8	3	48-828154A12	100-32053
14'-19' - AL	9	R	9	3	48-828156A12	100-32052
14'-16' - AL						

100-32056

Rubber Hub Bushing

8-9.9 HORSEPOWER (4-STROKE) • 2-1/2" GEARCASE
Thru Hub Exhaust & 12 Tooth Spline

8 HP 4-Stroke (Non Bigfoot) ..... 2005 & Newer
9.9 HP 4-Stroke (Not Bigfoot) ..... 2005 & Newer

Boat Description/ Length	MATCH MICHIGAN ALUMINUM PROPELLERS Dia.	Rot.	Pitch	Bld #	OEM Part #	CC Part #
14'-17' - AL	8-1/2	R	7	3	48-897614A10	101-42102
13'-16' - AL	8-1/2	R	8	3	48-897618A10	101-42103

101-42103

Rubber Hub Bushing

Key to Abbreviations: LL = Light Loads; SB = Sailboat; AL = All Loads; SK = Skiboat; WB = Workboat; HB = Houseboat; CR = Cruisers; HL = Heavy Loads; WD = Weedless

9.9-25 HORSEPOWER • 3" GEARCASE

Thru Hub Exhaust & 10 Tooth Spline • ! MUST use Gearcase Adapter Ring supplied with propeller.

9.9 HP 4-Stroke Bigfoot/Sail 1999-2005
15 HP 4-Stroke Bigfoot/Sail 1999-2005
18 HP (Mercury®) 1980-1985
20 HP 2-Stroke (Mercury®) 1986-2002
25 HP 2-Stroke (Mercury®) 1980-2005
25 HP 2-Stroke (Mariner®) .....1985 & Newer
25 HP (Sea Pro/Marathon).....All Years

VORTEX MICHIGAN

ALUMINUM - E SERIES PROPELLERS

Boat Description/ Length	Dia.	Rot.	Pitch	Bld #	OEM Part #	CC Part #
HB, SB	10-1/2	R	9	3		999-92501
19' & Up	10-1/2	R	10	3		999-92502
15'-19'	10-1/2	R	11	3	48-19638A40	999-92503
13'-17'	10-1/8	R	12	3	48-19639A40	999-92504
13'-17'	10-1/8	R	13	3	48-19640A40	999-92505
Up to 14'	10-1/8	R	14	3		999-92506

Drop-In Hub
Use XHS II® Hub Kit 220
Order 999-00220

999-12440 - Gearcase Adapter Rings

999-92504
Vortex® XHS® Aluminum Propeller

100-31048

100-31049

MATCH MICHIGAN

ALUMINUM PROPELLERS

Boat Description/ Length	Dia.	Rot.	Pitch	Bld #	OEM Part #	CC Part #
15'-19'	10-3/8	R	11	3	48-19638A40	100-31049
13'-17'	10-3/8	R	13	3	48-19640A40	100-31048
Up to 14'						

Rubber Hub Bushing

BALLISTIC MICHIGAN

STAINLESS STEEL - E SERIES PROPELLERS

Dia.	Rot.	Pitch	Bld #	OEM Part #	CC Part #
10-1/8	R	13	3	48-19644A5	999-33013
10-1/8	R	15	3		999-33015

Drop-In Hub
Use XHS II® Hub Kit 220
Order 999-00220

9.9-20 HORSEPOWER

Thru Hub Exhaust & 14 Tooth Spline

9.9 HP Bigfoot 2005-2013
9.9 HP Command Thrust.....2016 & Newer
15 HP 4-Stroke .....2007 & Newer
20 HP 4-Stroke .....2007 & Newer

MATCH MICHIGAN

ALUMINUM PROPELLERS

Boat Description/ Length	Dia.	Rot.	Pitch	Bld #	OEM Part #	CC Part #
15'-19' - AL	9-1/4	R	8	3	48-897748A11	101-42203
Standard Replacement	9-1/4	R	9	3	48-897750A11	*101-42204
Standard Replacement	9-1/4	R	10	3	48-897752A11	*101-42205
Up to 16' - LL	9-1/4	R	11	3	48-897754A11	101-42206
Up to 16' - LL	9-1/4	R	12	3		101-42207

101-42206

101-42204 Standard Replacement for:
• 15 HP 4-Stroke

101-42205 Standard Replacement for:
• 20 HP 4-Stroke

Rubber Hub Bushing

20 HORSEPOWER

Thru Hub Exhaust & 8 Tooth Spline

20 HP (Includes Merc 20 / Merc 200) 1963-1981

MATCH MICHIGAN

ALUMINUM PROPELLERS

Boat Description/ Length	Dia.	Rot.	Pitch	Bld #	OEM Part #	CC Part #
Standard Replacement	9-7/8	R	11	2	48-33480A1	100-32135
14'-16' - AL	10	R	9	3	48-86962A4	100-32136

100-32136

Rubber Hub Bushing

Key to Abbreviations: LL = Light Loads; SB = Sailboat; AL = All Loads; SK = Skiboat; WB = Workboat; HB = Houseboat; CR = Cruisers; HL = Heavy Loads; WD = Weedless

15-25 HORSEPOWER • MARINER
Non-Thru Hub Exhaust & Pin Drive

15 HP.....1976-1981
15A.....1979-1982
W15.....1977-1985
20 HP.....1976-1979
25 HP.....1977-1979

MATCH MICHIGAN

Boat Description/ Length	ALUMINUM PROPELLERS Dia.	Rot.	Pitch	Bld #	OEM Part #	CC Part #
HB, SB	9-1/4	R	7	3	48-96628	100-12102
12'-14' - HL	9	R	9	3		100-12109
12'-14' - HL	9	R	10	3	48-96625	100-12011
12'-14' - LL	9-1/4	R	11	3	48-96623	100-12013

100-12102

100-12011

100-12013

Rubber Hub Bushing

25-30 HORSEPOWER • MARINER • 3" GEARCASE
Thru Hub Exhaust & 10 Tooth Spline

25 HP.....1980-1984
28 HP.....1976-1979
30 HP.....1979-1990

MATCH MICHIGAN

Boat Description/ Length	ALUMINUM PROPELLERS Dia.	Rot.	Pitch	Bld #	OEM Part #	CC Part #
16'-18' - AL, SK	9-7/8	R	9	3	48-81647	100-22001
14'-17' - AL, SK	9-7/8	R	10-1/2	3	48-81649	100-22002
13'-16' - LL	9-7/8	R	11-1/4	3		100-22004
13'-16' - LL	9-7/8	R	12	3	48-82826	100-22003
Up to 13' - LL	9-7/8	R	13	3		100-22005
Up to 13' - LL	9-7/8	R	14	3		100-22006

100-22001

100-22003

Rubber Hub Bushing

25-30 HORSEPOWER 4-STROKE • MERCURY • 3" GEARCASE
Thru Hub Exhaust & 10 Tooth Spline • ! MUST use Gearcase Adapter Ring supplied with propeller.

25 HP 4-Stroke (Not Bigfoot).....2006 & Newer
30 HP 4-Stroke (Not Bigfoot).....2006 & Newer

VORTEX MICHIGAN

Boat Description/ Length	ALUMINUM - E SERIES PROPELLERS Dia.	Rot.	Pitch	Bld #	OEM Part #	CC Part #
16'-20' - AL	10-1/2	R	9	3		999-92501
14'-18' - AL	10-1/2	R	10	3		999-92502
14'-18' - AL	10-1/2	R	11	3		999-92503
14'-18' - AL	10-1/8	R	12	3		999-92504
12'-16' - AL	10-1/8	R	13	3		999-92505
12'-16' - AL	10-1/8	R	14	3		999-92506

Drop-In Hub

Use XHS II® Hub Kit 222

Order 999-00222

999-12440 - Gearcase Adapter Rings

999-92504
Vortex® XHS® Aluminum Propeller

MATCH MICHIGAN

Boat Description/ Length	ALUMINUM PROPELLERS Dia.	Rot.	Pitch	Bld #	OEM Part #	CC Part #
16'-20' - AL	9-7/8	R	9	3	48-896892A40	101-41304
16'-20' - AL	9-7/8	R	10	3		101-41307
14'-18' - AL	9-7/8	R	11	3	48-896896A40	101-41305
12'-16' - AL	9-7/8	R	12	3		101-41308
12'-16' - AL	9-7/8	R	13	3	48-896900A40	101-41306
Up to 16' - LL	9-7/8	R	14	3		101-42309

Rubber Hub Bushing

101-41306

Key to Abbreviations: LL = Light Loads; SB = Sailboat; AL = All Loads; SK = Skiboat; WB = Workboat; HB = Houseboat; CR = Cruisers; HL = Heavy Loads; WD = Weedless

For more information see: www.miwheel.com

40-65 HORSEPOWER • 3-1/4" GEARCASE
Thru Hub Exhaust & 13 Tooth Spline

40 HP (Model 402) 1974-1976
50 HP (Model 500) 1974-1976
60 HP (Mariner®).....1976
65 HP (Model 650) 1972-1976

VORTEX MICHIGAN

ALUMINUM - D SERIES PROPELLERS

3-BLADE				LG. DIAMETER 3-BLADE				4-BLADE			
Dia.	Rot.	Pitch	CC Part #	Dia.	Rot.	Pitch	CC Part #	Dia.	Rot.	Pitch	CC Part #
								11-1/2	R	8	999-92401
				12-1/4	R	9	999-92601	11-1/2	R	9	999-92402
				11-3/4	R	10	999-92602	11-1/2	R	10	999-92403
10-3/8	R	11	999-92404	11-5/8	R	11	999-92603	4-BLADE			
10-3/8	R	12	999-92405	11-3/8	R	12	999-92604	10-5/8	R	12	999-41212
10-3/8	R	13	999-92406	11-1/8	R	13	999-92605	10-3/8	R	13	999-41213
10-3/8	R	14	999-92407	11-1/4	R	14	999-92606	10-1/8	R	14	999-41214
10	R	15	999-92408					10-1/8	R	15	999-41215
10	R	16	999-92409								

Drop-In Hub

Use XHS II® Hub Kit 214

Order 999-00214

Refer to Pages 1085, 1088, 1089 for Details on Hub Kit Components

APOLLO MICHIGAN

STAINLESS STEEL - D SERIES PROPELLERS

Dia.	Rot.	Pitch	Bld #	OEM Part #	CC Part #
10-3/4	R	12	3		999-93405
10-1/2	R	13	3		999-93406
10-3/8	R	14	3		999-93407
10-1/8	R	15	3		999-93408

Drop-In Hub

Use XHS II® Hub Kit 214

Order 999-00214

Refer to Pages 1085, 1088, 1089 for Details on Hub Kit Components

MATCH MICHIGAN

ALUMINUM PROPELLERS

Boat Description/ Length	Dia.	Rot.	Pitch	Bld #	OEM Part #	CC Part #
19'-22' - AL	12-1/4	R	9	3		100-32046
19'-22' - AL	11-3/4	R	10	3	48-61812A1	100-32045
17'-19' - AL, SK	11-5/8	R	11	3	48-61814A1	100-32044
16'-17' - CUPPED	10-5/8	R	12	3		100-31074
16'-17' - AL, SK	11-3/8	R	12	3	48-61816A1	100-32043
14'-16' - CUPPED	10-3/8	R	13	3		100-31075
14'-16' - LL	11-1/8	R	13	3	48-61818A1	100-32042
12'-14' - CUPPED	10-1/4	R	14	3		100-31076
12'-14' - LL	11-1/4	R	14	3	48-61820A1	100-32041
12'-14' - LL	11	R	15	3	48-61822A1	100-32040

Rubber Hub Bushing

BALLISTIC MICHIGAN

STAINLESS STEEL - D SERIES PROPELLERS

Dia.	Rot.	Pitch	Bld #	OEM Part #	CC Part #
10-1/8	R	13	3		999-33213
10-1/8	R	15	3		999-33215

Drop-In Hub

Use XHS II® Hub Kit 214

Refer to Pages 1085, 1088, 1089 for Details on Hub Kit Components

100-32046

MATCH MICHIGAN

100-31074

MATCH MICHIGAN

APOLLO MICHIGAN

999-90407

MICHIGAN WHEEL

Key to Abbreviations: LL = Light Loads; SB = Sailboat; AL = All Loads; SK = Skiboat; WB = Workboat; HB = Houseboat; CR = Cruisers; HL = Heavy Loads; WD = Weedless

25-70 HORSEPOWER • 3-1/4" GEARCASE
Thru Hub Exhaust & 13 Tooth Spline

25 HP 4-Stroke/Bigfoot 1999-2005
30 HP 2-Stroke.....1994-2002
30 HP 4-Stroke.....1999-2005
30 HP (Sea Pro/Marathon) .....1994 & Newer
35 HP.....1984-1989
40 HP 2-Stroke (Includes Model 402) .....1977 & Newer
40 HP 4-Stroke (Not Bigfoot) .....1997 & Newer
40 HP (Sea Pro/Marathon) .....1977 & Newer
45 HP.....1986-1989
48 HP (Mariner®).....All Years
50 HP 2-Stroke (Includes Model 500) ..1977 & Newer
50 HP 4-Stroke (Not Bigfoot).....1995 & Newer
55 HP (Mercury/Sea Pro/Marathon) ....1995 & Newer
60 HP 2-Stroke .....1978 & Newer
60 HP 4-Stroke (Not Bigfoot).....2001 & Newer
70 HP (Includes Model 700).....Thru 1983

VORTEX MICHIGAN

ALUMINUM - D SERIES PROPELLERS

3-BLADE				LG. DIAMETER 3-BLADE				4-BLADE			
Dia.	Rot.	Pitch	CC Part #	Dia.	Rot.	Pitch	CC Part #	Dia.	Rot.	Pitch	CC Part #
								11-1/2	R	8	999-92401
				12-1/4	R	9	999-92601	11-1/2	R	9	999-92402
				11-3/4	R	10	999-92602	11-1/2	R	10	999-92403
10-3/8	R	11	999-92404	11-5/8	R	11	999-92603	4-BLADE			
10-3/8	R	12	999-92405	11-3/8	R	12	999-92604	10-5/8	R	12	999-41212
10-3/8	R	13	999-92406	11-1/8	R	13	999-92605	10-3/8	R	13	999-41213
10-3/8	R	14	999-92407	11-1/4	R	14	999-92606	10-1/8	R	14	999-41214
10	R	15	999-92408					10-1/8	R	15	999-41215
10	R	16	999-92409								

Drop-In Hub

Use XHS II® Hub Kit 214

Order 999-00214

Refer to Pages 1085, 1088, 1089 for Details on Hub Kit Components

APOLLO MICHIGAN

STAINLESS STEEL - D SERIES PROPELLERS

Dia.	Rot.	Pitch	Bld #	OEM Part #	CC Part #
10-3/4	R	12	3	48-855856A5	999-93405
10-1/2	R	13	3	48-855858A5	999-93406
10-3/8	R	14	3	48-855860A5	999-93407
10-1/8	R	15	3	48-855862A5	999-93408

Drop-In Hub

Use XHS II® Hub Kit 214

Order 999-00214

Refer to Pages 1085, 1088, 1089 for Details on Hub Kit Components

MATCH MICHIGAN

ALUMINUM PROPELLERS

Boat Description/ Length	Dia.	Rot.	Pitch	Bld #	OEM Part #	CC Part #
19' & Up	12-1/2	R	8	3	48-42738A10	♦100-32141
19' & Up	12-1/4	R	9	3		♦100-32143
17'-19' - AL, SK	11-1/4	R	10	3	48-73132A40	♦100-31015
16'-18' - AL, SK	12	R	10-1/2	3	48-42740A10	♦100-32142
16'-18' - AL, SK	10-7/8	R	11	3	48-85632A40	♦100-31053
15'-17' - AL, SK	10-3/4	R	12	3	48-816702A40	♦100-31056
15'-17' - AL, SK	10-5/8	R	12	3	48-73134A40	♦100-31016
14'-17' - AL, SK	10-1/2	R	13	3	48-816704A40	♦100-31057
14'-17' - AL, SK	10-3/8	R	13	3	48-73136A40	♦100-31017
14'-16' - LL	10-3/8	R	14	3	48-816706A40	♦100-31058
14'-16' - LL	10-1/4	R	14	3	48-73138A40	♦100-31018
13'-15' - LL	10-1/8	R	15	3	48-73140A40	♦100-31019
Up to 15'	10	R	17	3	48-73144A40	♦100-31020

Rubber Hub Bushing

When Replacing Mercury Reflex Hub with Michigan Match propeller, OEM Thrust Washer P/N 73345A1 Is Required

BALLISTIC MICHIGAN

STAINLESS STEEL - D SERIES PROPELLERS

Dia.	Rot.	Pitch	Bld #	OEM Part #	CC Part #
10-1/8	R	13	3		999-33213
10-1/8	R	15	3		999-33215

Use XHS II® Hub Kit 214

Order 999-00214

Refer to Pages 1085, 1088, 1089 for Details on Hub Kit Components

Note: Mercury® Reflex® Hub System is not compatible with Michigan Wheel XHS Hub Systems.
♦ When replacing Mercury® Reflex® Hub System with Michigan Match propeller, Michigan Forward Thrust Washer P/N 999-90407 is required.

Key to Abbreviations: LL = Light Loads; SB = Sailboat; AL = All Loads; SK = Skiboat; WB = Workboat; HB = Houseboat; CR = Cruisers; HL = Heavy Loads; WD = Weedless

40-140 HORSEPOWER • 4-1/4" GEARCASE
Thru Hub Exhaust & 15 Tooth Spline

40 & 50 HP 4-Stroke / Bigfoot	All Years	
40 HP Command Thrust	2014 & Newer	
40 HP Sea Pro 4-Stroke	2016 & Newer	
50 HP Command Thrust	2014 & Newer	
60 HP 4-Stroke / Bigfoot	1995 & Newer	
60 HP (Sea Pro/Marathon)	1995 & Newer	
60 HP Command Thrust	2014 & Newer	
60 HP Sea Pro 4-Stroke	2016 & Newer	
65 HP (Model 650 - 2 Cyl.)	Thru 1971	
65 HP (Model 650 - 4 Cyl.)	1961-1970	
70 HP	1987-1989	
75 HP (Sea Pro/Marathon)	All Years	
75 HP 2-Stroke	1984-2005	
75 HP 4-Stroke	2001 & Newer	
80 HP	1978-1989	
80 HP (Mariner®)	1978-1983	
80 HP (Model 800; 2 & 4 Cyl.)	Thru 1977	
80 HP (Yamaha®)	1977-1983	
85 HP (Model 850; 2 & 4 Cyl.)	Thru 1977	
90 HP (Yamaha®)	1978-1983	
90 HP 2-Stroke	1978 & Newer	
90 HP 4-Stroke*	2001 & Newer	
100 HP	1988 & Newer	
115 HP (Yamaha®)	1978-1983	
115 HP	1978 & Newer	
115 HP 4-Stroke*	2001 & Newer	
125 HP	1994 & Newer	
140 HP (Includes Sea Pro/Offshore)	1978-1981	
140 HP (Yamaha®)	1978-1979	
Models 900-1150-1500	Thru 1977	

Includes EFI, OptiMax, Pro XS engines.
*Does not include Command Thrust model.

VORTEX MICHIGAN

3-BL ALUMINUM - B SERIES

Dia.	Rot.	Pitch	Bld #	CC Part #
14	R	10	3	999-92109
14	R	11	3	999-92111
14	R	13	3	999-92112
13-3/4	R	15	3	999-92113
13-1/4	R	17	3	999-92114
13	R	19	3	999-92115
12-3/4	R	21	3	999-92116

4-BL ALUMINUM - B SERIES

Dia.	Rot.	Pitch	Bld #	CC Part #
13-7/8	R	11	4	999-41411
13-7/8	R	13	4	999-41413
13-3/8	R	15	4	999-41415
13	R	17	4	999-41417
12-1/2	R	19	4	999-41419

Drop-In Hub
Use XHS II® Hub Kit 202
Order 999-00202
USE Gearcase Adapter Ring supplied with propeller.
Refer to Pages 1085, 1088, 1089 for Details on Hub Kit Components

APOLLO MICHIGAN

STAINLESS STEEL - B SERIES PROPELLERS

Dia.	Rot.	Pitch	Bld #	OEM Part #	CC Part #
13-3/8	R	15	3		※ 999-93143
13-3/8	L	15	3		※ 999-93153
13-1/4	R	17	3		※ 999-93144
13-1/4	L	17	3		※ 999-93154
13-1/8	R	19	3		※ 999-93145
13-1/8	L	19	3		※ 999-93155
13	R	21	3		※ 999-93146
13	L	21	3		※ 999-93156

Drop-In Hub
Use XHS II® Hub Kit 202
Order 999-00202
USE Gearcase Adapter Ring supplied with propeller.
Refer to Pages 1085, 1088, 1089 for Details on Hub Kit Components

MATCH MICHIGAN

ALUMINUM PROPELLERS

Boat Description/ Length	Dia.	Rot.	Pitch	Bld #	OEM Part #	CC Part #
25' & Up - AL	14	R	10	3	48-854342A45	100-31061
25' & Up	14	R	11	3	48-77338A45	100-31254
22' & Up	14	R	13	3	48-77340A45	100-31055
19'-24' - AL	13-3/4	R	15	3	48-77342A45	100-31041
17'-20' - AL, SK	13-1/4	R	17	3	48-77344A45	100-31042
16'-19' - AL	13	R	19	3	48-77346A45	100-31043
15'-18' - AL	12-3/4	R	21	3	48-77348A45	100-31044
High Performance						
High Performance						

Rubber Hub Bushing
MWM Fwd Washer #999-90332
or
MWM Kit #999-66010
(Fwd Washer, Tab Washer, Propeller Nut)
See Page 1059 for details.

BALLISTIC MICHIGAN

STAINLESS STEEL - B SERIES PROPELLERS

3-BLADE BALLISTIC					3-BLADE BALLISTIC XL				
Dia.	Rot.	Pitch	Bld #	CC Part #	Dia.	Rot.	Pitch	Bld #	CC Part #
13-5/8	R	15	3	999-33415					
13-1/2	R	17	3	999-33417					
13-3/8	R	19	3	999-33419					
13-1/8	R	21	3	999-33421					
					13-1/2	R	22	3	※ 999-53422
					13-1/2	R	24	3	※ 999-53424

Drop-In Hub
Use XHS II® Hub Kit 202
Order 999-00202
USE Gearcase Adapter Ring supplied with propeller.
Refer to Pages 1085, 1088, 1089 for Details on Hub Kit Components

Note: ※ Replace standard trim tab with Michigan Wheel trim tab P/N 999-90404.

"...We have had great success with the Ballistic on 22' pontoons with 115 HP 4-Stroke motors. The pontoon boat is faster than a 22' TriToon with a 150 HP 4-Stroke and a stock propeller. Check it out!"
- Lake Keowee Marina
Seneca, SC

999-90404

BALLISTIC MICHIGAN
MICHIGAN WHEEL

Key to Abbreviations: LL = Light Loads; SB = Sailboat; AL = All Loads; SK = Skiboat; WB = Workboat; HB = Houseboat; CR = Cruisers; HL = Heavy Loads; WD = Weedless

90-300 HORSEPOWER • V-6 (4-3/4") GEARCASE

Thru Hub Exhaust & 15 Tooth Spline

90 HP Command Thrust.....2014 & Newer
115 HP Command Thrust.....2014 & Newer
135 HP.....1987 & Newer
150 HP.....1978 & Newer
Add 4" Pitch for Twin Motors
Includes DFI, EFI, Magnum, Offshore, Optimax, Sea Pro XRI, Marathon & Verado.

150 HP (Yamaha®).....1979-1983
175 HP.....1978 & Newer
175 HP (Yamaha®).....1978-1979
200 HP.....1978 & Newer
220 HP.....1987-1988
225 HP.....1980 & Newer
225 HP (Sea Pro/Marathon).....All Years

250 HP.....1994 & Newer
275 HP.....1990-1994
300 HP.....1983; 1999 & Newer
3.4 Litre.....1984-1986

***For engines 300 HP or higher, use "High Horsepower Sleeve" (P/N 999-13720).SEE PAGE 1080 for more details.**

VORTEX MICHIGAN

3-BL ALUMINUM - A SERIES					4-BL ALUMINUM - A SERIES				
Dia.	Rot.	Pitch	Bld #	CC Part #	Dia.	Rot.	Pitch	Bld #	CC Part #
16	R	13	3	999-92001					
15-1/4	R	15	3	999-92002					
16	R	16	3	999-31516					
15	R	17	3	999-92003	15	R	16	4	999-92202
14-1/2	R	19	3	999-92004	14-1/2	R	18	4	999-92203
14-1/4	R	21	3	999-92005	14	R	20	4	999-92204
14	R	23	3	999-92006					

Drop-In Hub

Use XHS II® Hub Kit 202

Order 999-00202

Refer to Pages 1085, 1088, 1089 for Details on Hub Kit Components

APOLLO MICHIGAN

STD. 3-BLADE A SERIES				LG DIA. 3-BLADE A SERIES				4-BLADE A SERIES			
Dia.	Rot.	Pitch	CC Part #	Dia.	Rot.	Pitch	CC Part #	Dia.	Rot.	Pitch	CC Part #
14-3/8	R	15	❋ 999-93042								
14-3/8	L	15	❋ 999-93052								
14-1/4	R	17	❋ 999-93043	15-1/2	R	17	❋ 999-93023	14-5/8	R	16	❋ 999-93203
14-1/4	L	17	❋ 999-93053	15-1/2	L	17	❋ 999-93033	14-5/8	L	16	❋ 999-93213
14-1/8	R	19	❋ 999-93044	15-1/4	R	19	❋ 999-93024	14-3/8	R	18	❋ 999-93204
14-1/8	L	19	❋ 999-93054	15-1/4	L	19	❋ 999-93034	14-3/8	L	18	❋ 999-93214
14	R	21	❋ 999-93045	14-3/4	R	21	❋ 999-93025	14-1/8	R	20	❋ 999-93205
14	L	21	❋ 999-93055	14-3/4	L	21	❋ 999-93035	14-1/8	L	20	❋ 999-93215
13-7/8	R	23	❋ 999-93046	14-5/8	R	23	❋ 999-93026	14	R	22	❋ 999-93206
13-7/8	L	23	❋ 999-93056	14-5/8	L	23	❋ 999-93036	14	L	22	❋ 999-93216

Drop-In Hub

Use XHS II® Hub Kit 202

Order 999-00202

Refer to Pages 1085, 1088, 1089 for Details on Hub Kit Components

MATCH MICHIGAN

Boat Description/ Length	ALUMINUM PROPELLERS					
	Dia.	Rot.	Pitch	Bld #	OEM Part #	CC Part #
CR, HB	16	R	13	3	48-78114A45	100-31513
21'-24' - AL						
20'-23' - AL, SK	16	R	16	3	48-16440A45	100-31516
19'-23' - AL, SK	14-1/2	R	17	3	48-78118A40	100-31024
19'-23' - AL, SK	15	R	17	3	48-832828A45	100-31064
19'-22' - AL, SK	15-1/2	R	18	3	48-11324A45	100-31052
18'-22' - AL, SK	14	R	19	3	48-78120A40	100-31025
18'-22' - Al, SK	14-1/2	R	19	3	48-832830A45	100-31065
18'-20' - AL, SK	13-3/4	R	21	3	48-78122A40	100-31026
18'-20' - AL, SK	14-1/4	R	21	3	48-832832A45	100-31066
17'-20' - AL, SK						
17'-20' - AL, SK						
Up to 18'						
High Performance						
High Performance						
High Performance						
50-62 MPH						
55-67 MPH						
60-72 MPH						

Rubber Hub Bushing

Use MWM Kit #999-90312 (Conductivity Washer, Aft Washer) or MWM Kit #999-66011 (Fwd Washer, Conductivity Washer, Aft Washer, Tab Washer, Propeller Nut)

See Page 1059 for details.

BALLISTIC MICHIGAN

STAINLESS STEEL - A SERIES PROPELLERS

3-BLADE BALLISTIC					3-BLADE BALLISTIC XL				
Dia.	Rot.	Pitch	Bld #	CC Part #	Dia.	Rot.	Pitch	Bld #	CC Part #
14-7/8	R	15	3	❋ 999-33515					
14-3/4	R	17	3	❋ 999-33517					
14-3/4	L	17	3	❋ 999-37517					
14-1/2	R	19	3	❋ 999-33519					
14-1/2	L	19	3	❋ 999-37519					
14-3/8	R	21	3	❋ 999-33521					
14-3/8	L	21	3	❋ 999-37521					
14-1/4	R	23	3	❋ 999-33523					
14-1/4	L	23	3	❋ 999-37523					
14-1/4	R	25	3	❋ 999-33525					
					14-3/4	R	22	3	❋ 999-53522
					14-3/4	R	24	3	❋ 999-53524
					14-3/4	R	26	3	❋ 999-53526

4-BLADE BALLISTIC XL

14-1/8	R	23	4	999-63523
14-1/8	R	25	4	999-63525
14-1/8	R	27	4	999-63527

Drop-In Hub

Use XHS II® Hub Kit 202

Order 999-00202

Refer to Pages 1085, 1088, 1089 for Details on Hub Kit Components

Note: ❋ Replace standard trim tab with Michigan Wheel trim tab P/N 999-90404.

Key to Abbreviations: LL = Light Loads; SB = Sailboat; AL = All Loads; SK = Skiboat; WB = Workboat; HB = Houseboat; CR = Cruisers; HL = Heavy Loads; WD = Weedless

Replacing a Flo-Torq® Hub with Michigan Propellers

Replacing a Flo-Torq® Drop In Hub Design with Michigan Propellers

Propellers supplied from Mercury®, Mariner® and Force® since 1996 come with the Flo-Torq® II drop in hubs. When switching to Michigan Match® or Ballistic® propellers, change the attaching hardware set-up as follows.

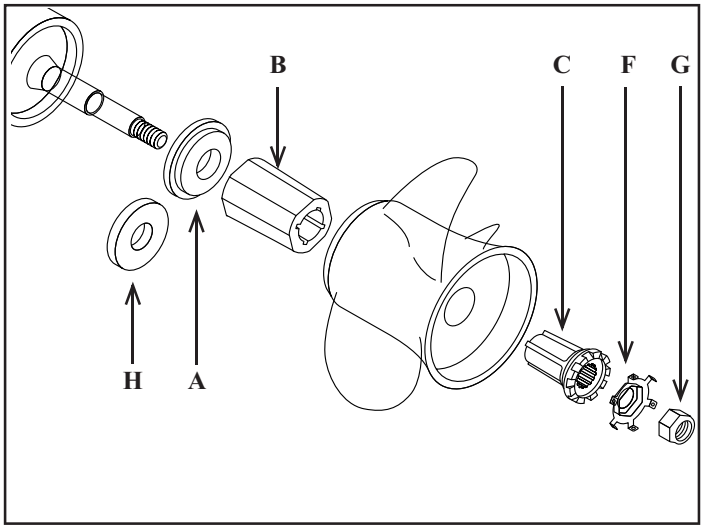
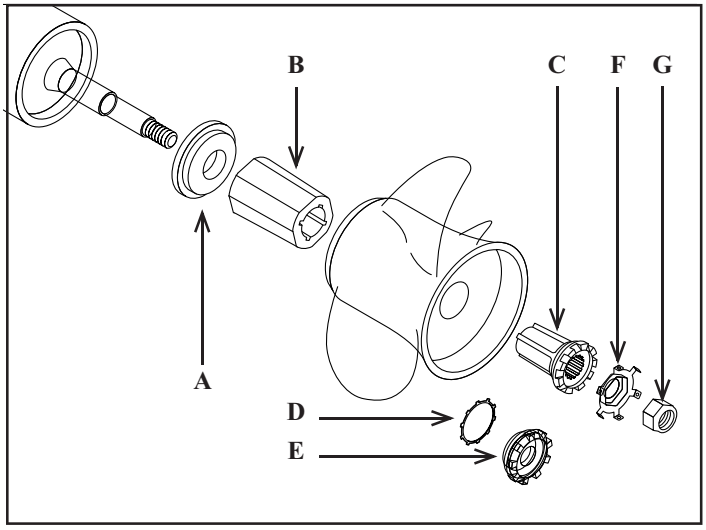
When converting to a Michigan Propeller on a **V-4 gearcase**, eliminate B & C, replace A with H and use existing hardware F & G.

When converting to a Michigan Propeller on a **V-6 gearcase**, eliminate B & C and use A, D, E, F & G as attaching hardware (D & E replace C). Be sure to use high-performance trim tab 822777A1 for stainless steel installations.

Michigan Wheel offers the following attaching hardware kits for these installations:

999-90312 Includes D & E for the V-6 gearcase.
999-90332 Includes Forward Thrust Washer H for V-4 gearcase.

999-66011 Includes A, D, E, F & G for the V-6 gearcase.
999-66010 Includes H, F & G for the V-4 gearcase.

V-4 Gearcase EXAMPLE CC PART#100-31042	V-4 Gearcase EXAMPLE CC PART#100-31025
	

A) **999-12040** Forward Thrust Washer
B) **999-13010** Plastic Drive Sleeve
C) **999-12050** Metal Sleeve Adapter
D) **990340** Conductivity (Star) Washer
E) **999-90348** Aft Castle Washer
F) **999-90344** Locking Tab Washer
G) **999-90346** Shaft Propeller Nut
H) **990347** Forward Thrust Washer

SPECIAL ORDER

Key to Abbreviations: LL = Light Loads; SB = Sailboat; AL = All Loads; SK = Skiboat; WB = Workboat; HB = Houseboat; CR = Cruisers; HL = Heavy Loads; WD = Weedless

8-9.8 HORSEPOWER (4-STROKE) • 2-1/2" GEARCASE
Thru Hub Exhaust & 12 Tooth Spline

8 HP 4-Stroke ..... 2005 & Newer
9.8 HP 4-Stroke ..... 2005 & Newer

MATCH MICHIGAN — ALUMINUM PROPELLERS

Boat Description/ Length	Dia.	Rot.	Pitch	Bld #	OEM Part #	CC Part #
Heavy Loads	8-1/2	R	7	3	3B2B645140	101-42102
Moderate Loads	8-1/2	R	8	3	3B2B645151	101-42103

101-42103

101-42102 Standard Replacement for:
- MFS8 / NSF8
- MFS9.8 / NSF9.8 (Long Shaft)

101-42103 Standard Replacement for:
- M8B / NS8B (Long Shaft)
- M9.8B (Long Shaft)
- MSF9.8 / NSF9.8 (Short Shaft)

Rubber Hub Bushing

9.9-20 HORSEPOWER • 2-1/2" GEARCASE
Thru Hub Exhaust & 14 Tooth Spline

9.9 HP 2-Stroke ..... 1984 & Newer
9.9 HP 4-Stroke 2000-2003
12 HP 1985-1988
15 HP 2-Stroke ..... 1985 & Newer
15 HP 4-Stroke ..... 2000 & Newer
18 HP 2-Stroke ..... 1985 & Newer
18 HP 4-Stroke 2001-2008
20 HP 4-Stroke ..... 2007 & Newer

MATCH MICHIGAN — ALUMINUM PROPELLERS

Boat Description/ Length	Dia.	Rot.	Pitch	Bld #	OEM Part #	CC Part #
15'-19' - AL	9-1/4	R	8	3	3BAB645161	101-42203
14'-17' - AL	9-1/4	R	9	3	362B641010	101-42204
Up to 16' - LL	9-1/4	R	10	3	362B641080	101-42205
Up to 16' - LL	9-1/4	R	11	3		101-42206
Up to 16' - LL	9-1/4	R	12	3		101-42207

101-42206

101-42204 Standard Replacement for:
- M9.9 / NS9.9 (Short Shaft)
- MFS9.9 / NSF 9.9 (Short Shaft)
- M15 / NS15 / (Short Shaft)
- MFS15 / NSF15 (Long Shaft)
- M18 / NS18
- MFS18 / NSF18 (Long Shaft)
- MFS20 / NSF20 (Long Shaft)

101-42203 Standard Replacement for:
- M9.9 / NS9.9 (Long Shaft)
- MSF9.9 / NSF9.9 (Long Shaft)
- M15 / NS15 (Long Shaft)

101-42205 Standard Replacement for:
- MFS15 / NSF15 (Short Shaft)
- MSF18 / NSF18 (Short Shaft)
- MSF20 / NSF20 (Short Shaft)

Rubber Hub Bushing

25-30 HORSEPOWER • 3" GEARCASE
Thru Hub Exhaust & 10 Tooth Spline • ! MUST use Gearcase Adapter Ring supplied with propeller.

25 HP 1986-2001
25 HP 4-Stroke ..... 2002 & Newer
30 HP 1985-2001
30 HP TLDI ..... 2016 & Newer
30 HP 4-Stroke ..... 2002 & Newer

VORTEX MICHIGAN — ALUMINUM - E SERIES PROPELLERS

Boat Description/ Length	Dia.	Rot.	Pitch	Bld #	OEM Part #	Part #
16'-20' - AL	10-1/2	R	9	3	346-64101-5	999-92501
14'-18' - AL	10-1/2	R	10	3	346-64102-5	999-92502
14'-18' - AL	10-1/2	R	11	3	346-64103-5	999-92503
14'-18' - AL	10-1/8	R	12	3		999-92504
12'-16' - AL	10-1/8	R	13	3	346-64104-5	999-92505
12'-16' - AL	10-1/8	R	14	3		999-92506

Drop-In Hub

Use XHS II® Hub Kit 222

Order 999-00222

999-12440 - Gearcase Adapter Rings

999-92504
Vortex® XHS®
Aluminum Propeller

MATCH MICHIGAN — ALUMINUM PROPELLERS

Boat Description/ Length	Dia.	Rot.	Pitch	Bld #	OEM Part #	Part #
16'-20' - AL	9-7/8	R	9	3	3R0B645180	101-41304
16'-20' - AL	9-7/8	R	10	3	3R0B645210	101-41307
12'-16' - AL	9-7/8	R	11	3	3R0B645230	101-41305
12'-16' - AL	9-7/8	R	12	3	3R0B645250	101-41308
Up to 16' - LL	9-7/8	R	13	3	3R0B645270	101-41306
Up to 16' - LL	9-7/8	R	14-1/4	3	349B645291	101-42309

Rubber Hub Bushing

101-41306

101-41305 Standard Replacement for:
- M25 / NS25 (Long Shaft)
- M30 / NS30 (Long Shaft)

101-41306 Standard Replacement for:
- M25 / NS25 (Short Shaft)
- M30 / NS30 (Short Shaft)

Key to Abbreviations: LL = Light Loads; SB = Sailboat; AL = All Loads; SK = Skiboat; WB = Workboat; HB = Houseboat; CR = Cruisers; HL = Heavy Loads; WD = Weedless

35-60 HORSEPOWER • 3-1/4" GEARCASE
Thru Hub Exhaust & 13 Tooth Spline

35 HP (35B Only) ..... Thru 1984
40 HP (Includes TLDI; 40C; M40D; MD40) .... 1984 & Newer
MFS40 ..... 2015 & Newer
50 HP (Except 50C - Includes TLDI; M50D; MD50) .. 1992 & Newer
MSF50 ..... 2015 & Newer
BFT60 ..... 2014 & Newer

VORTEX MICHIGAN

ALUMINUM - D SERIES PROPELLERS

3-BLADE				LG. DIAMETER 3-BLADE				4-BLADE			
Dia.	Rot.	Pitch	CCPart #	Dia.	Rot.	Pitch	CCPart #	Dia.	Rot.	Pitch	CCPart #
								11-1/2	R	8	999-92401
				12-1/4	R	9	999-92601	11-1/2	R	9	999-92402
				11-3/4	R	10	999-92602	11-1/2	R	10	999-92403
10-3/8	R	11	999-92404	11-5/8	R	11	999-92603	4-BLADE			
10-3/8	R	12	999-92405	11-3/8	R	12	999-92604	10-5/8	R	12	999-41212
10-3/8	R	13	999-92406	11-1/8	R	13	999-92605	10-3/8	R	13	999-41213
10-3/8	R	14	999-92407	11-1/4	R	14	999-92606	10-1/8	R	14	999-41214
10	R	15	999-92408					10-1/8	R	15	999-41215
10	R	16	999-92409								

Drop-In Hub
Use or XHS II® Hub Kit
213 OR **216**
Order 999-00213 or Order 999-00216
Refer to Pages 1085, 1088, 1089 for Details on Hub Kit Components

APOLLO MICHIGAN

STAINLESS STEEL - D SERIES PROPELLERS

Dia.	Rot.	Pitch	Bld #	OEM Part #	CC Part #
10-3/4	R	12	3	PT4050P12	999-93405
10-1/2	R	13	3	PT4050P13	999-93406
10-3/8	R	14	3	PT4050P14	999-93407
10-1/8	R	15	3	PT4050P15	999-93408

Drop-In Hub
Use or XHS II® Hub Kit
213 OR **216**
Order 999-00213 or Order 999-00216
Refer to Pages 1085, 1088, 1089 for Details on Hub Kit Components

MATCH MICHIGAN

ALUMINUM PROPELLERS

Boat Description/ Length	Dia.	Rot.	Pitch	Bld #	OEM Part #	CC Part #
19'-21' - AL	12-1/4	R	9	3	3T5B645180	101-42407
17'-20' - AL	11-3/4	R	10	3		101-42408
16'-19' - AL	11-5/8	R	11	3	3T5B645230	*101-42405
15'-18' - AL	11-3/8	R	12	3	3T5B645250	*101-42409
14'-18' - AL	11-1/8	R	13	3	3T5B645270	*101-42406
14'-16' - AL	11-1/4	R	14	3	3T5B645290	101-42410
13'-15' - LL						

Rubber Hub Bushing

BALLISTIC MICHIGAN

STAINLESS STEEL - D SERIES PROPELLERS

Dia.	Rot.	Pitch	Bld #	OEM Part #	CC Part #
10-1/8	R	13	3		999-33213
10-1/8	R	15	3		999-33215

Drop-In Hub
Use or XHS II® Hub Kit
213 OR **216**
Order 999-00213 or Order 999-00216
Refer to Pages 1085, 1088, 1089 for Details on Hub Kit Components

* 142405 Standard Replacement for M40C / NS40C; 142409 Standard Replacement for M40D / NS40D; 142406 Standard Replacement for MD50 / NS50D

Note: **For BFT60 use XHS II® (Drop-In Hub) Kit #999-00213. For all other engine applications XHS II® (Drop-In Hub) Kit #999-00216.**

50-70 HORSEPOWER • 3-1/4" GEARCASE
Thru Hub Exhaust & 13 Tooth Spline

50 HP (50C Only) 1987-1991
55 HP 1981-1988
60A & 60B (Excludes 60C) 1986-1999
For 60C & 70C, See 60-140 HP (Pg. 1083).
70A & 70B (Excludes 70C) 1981-1995

VORTEX MICHIGAN

ALUMINUM - C SERIES PROPELLERS

3-BLADE				LG. DIAMETER 3-BLADE				4-BLADE			
Dia.	Rot.	Pitch	CC Part #	Dia.	Rot.	Pitch	CC Part #	Dia.	Rot.	Pitch	CC Part #
								11-1/2	R	8	999-92401
								11-1/2	R	9	999-92402
								11-1/2	R	10	999-92403
11-3/4	R	13	999-92301	12-1/2	R	13	999-92311				
11-3/4	R	15	999-92302	12-1/4	R	15	999-92312				
11-3/4	R	17	999-92303								

Drop-In Hub
Use XHS II® Hub Kit
212
Order 999-00212
Refer to Pages 1085, 1088, 1089 for Details on Hub Kit Components

999-92303

Drop-In Hub
Use XHS II® Hub Kit
212
Order 999-00212
Refer to Pages 1085, 1088, 1089 for Details on Hub Kit Components

BALLISTIC MICHIGAN

STAINLESS STEEL - C SERIES PROPELLERS

Boat Description/ Length	Dia.	Rot.	Pitch	Bld #	OEM Part #	CC Part #
14'-17' - AL, SK	12-3/8	R	15	3		✻ 999-33315
12'-14' - AL, SK	12	R	17	3		✻ 999-33317

✻ May interfere with trim tab.

Drop-In Hub
Use XHS II® Hub Kit
212
Order 999-00212

60-90 HORSEPOWER • 4-1/4" GEARCASE

Thru Hub Exhaust & 15 Tooth Spline

BFW60 ..... 2014 & Newer BFT75 ..... 2014 & Newer BFT90 ..... 2014 & Newer

VORTEX MICHIGAN

3-BL ALUMINUM - B SERIES					4-BL ALUMINUM - B SERIES				
Dia.	Rot.	Pitch	Bld #	CC Part #	Dia.	Rot.	Pitch	Bld #	CC Part #
14	R	10	3	999-92109					
14	R	11	3	999-92111	13-7/8	R	11	4	999-41411
14	R	13	3	999-92112	13-7/8	R	13	4	999-41413
13-3/4	R	15	3	999-92113	13-3/8	R	15	4	999-41415
13-1/4	R	17	3	999-92114	13	R	17	4	999-41417
13	R	19	3	999-92115	12-1/2	R	19	4	999-41419
12-3/4	R	21	3	999-92116					

Drop-In Hub

Use XHS II® Hub Kit **207**

Order 999-00207

USE Gearcase Adapter Ring supplied with propeller.

Refer to Pages 1085, 1088, 1089 for Details on Hub Kit Components

APOLLO MICHIGAN

STAINLESS STEEL - B SERIES PROPELLERS					
Dia.	Rot.	Pitch	Bld #	OEM Part #	CC Part #
13-3/8	R	15	3		999-93143
13-3/8	L	15	3		999-93153
13-1/4	R	17	3		999-93144
13-1/4	L	17	3		999-93154
13-1/8	R	19	3		999-93145
13-1/8	L	19	3		999-93155
13	R	21	3		999-93146
13	L	21	3		999-93156

Drop-In Hub

Use XHS II® Hub Kit **207**

Order 999-00207

USE Gearcase Adapter Ring supplied with propeller.

Refer to Pages 1085, 1088, 1089 for Details on Hub Kit Components

MATCH MICHIGAN

BALLISTIC MICHIGAN

Boat Description/ Length	ALUMINUM PROPELLERS						STAINLESS STEEL - B SERIES PROPELLERS									
							3-BLADE BALLISTIC					3-BLADE BALLISTIC XL				
	Dia.	Rot.	Pitch	Bld #	OEM Part #	CC Part #	Dia.	Rot.	Pitch	Bld #	CC Part #	Dia.	Rot.	Pitch	Bld #	CC Part #
25' & Up - AL	14	R	10	3		100-31061										
25' & Up	14	R	11	3		100-31254										
22' & Up	14	R	13	3		100-31055										
19'-24' - AL	13-3/4	R	15	3		100-31041	13-5/8	R	15	3	✠ 999-33415					
17'-20' - AL, SK	13-1/4	R	17	3		100-31042	13-1/2	R	17	3	✠ 999-33417					
16'-19' - AL	13	R	19	3		100-31043	13-3/8	R	19	3	✠ 999-33419					
15'-18' - AL	12-3/4	R	21	3		100-31044	13-1/8	R	21	3	✠ 999-33421	13-1/2	R	22	3	✠ 999-53422
Up to 17' - LL												13-1/2	R	24	3	✠ 999-53424

Rubber Hub Bushing

Drop-In Hub

Use XHS II® Hub Kit **207**

Order 999-00207

USE Gearcase Adapter Ring supplied with propeller.

Refer to Pages 1085, 1088, 1089 for Details on Hub Kit Components

Note: ✠ May interfere with trim tab.

VORTEX MICHIGAN

APOLLO MICHIGAN

Key to Abbreviations: LL = Light Loads; SB = Sailboat; AL = All Loads; SK = Skiboat; WB = Workboat; HB = Houseboat; CR = Cruisers; HL = Heavy Loads; WD = Weedless

60-140 HORSEPOWER • 4-1/4" GEARCASE

Thru Hub Exhaust & 15 Tooth Spline

60C (Large Gearcase) ..... Thru 1999	90 HP 1987-2001	120 HP 1988-2003
70C (Large Gearcase) ..... Thru 2002	90 HP TLDI ..... 2001 & Newer	140 HP 1988-2003
70 HP TLDI 2002-2009	115 HP 1992-2001	
75 HP TLDI ..... 2010 & Newer	115 HP TLDI ..... 2004 & Newer	

VORTEX MICHIGAN

3-BL ALUMINUM - B SERIES					4-BL ALUMINUM - B SERIES				
Dia.	Rot.	Pitch	Bld #	CC Part #	Dia.	Rot.	Pitch	Bld #	CC Part #
14	R	10	3	999-92109					
14	R	11	3	999-92111	13-7/8	R	11	4	999-41411
14	R	13	3	999-92112	13-7/8	R	13	4	999-41413
13-3/4	R	15	3	999-92113	13-3/8	R	15	4	999-41415
13-1/4	R	17	3	999-92114	13	R	17	4	999-41417
13	R	19	3	999-92115	12-1/2	R	19	4	999-41419
12-3/4	R	21	3	999-92116					

Drop-In Hub

Use XHS II® Hub Kit **209**

Order 999-00209

USE Gearcase Adapter Ring supplied with propeller.

Refer to Pages 1085, 1088, 1089 for Details on Hub Kit Components

APOLLO MICHIGAN

STAINLESS STEEL - B SERIES PROPELLERS					
Dia.	Rot.	Pitch	Bld #	OEM Part #	CC Part #
13-3/8	R	15	3	PT70115P15	999-93143
13-3/8	L	15	3		999-93153
13-1/4	R	17	3	NM889610170	999-93144
13-1/4	L	17	3		999-93154
13-1/8	R	19	3		999-93145
13-1/8	L	19	3		999-93155
13	R	21	3		999-93146
13	L	21	3		999-93156

Drop-In Hub

Use XHS II® Hub Kit **209**

Order 999-00209

USE Gearcase Adapter Ring supplied with propeller.

Refer to Pages 1085, 1088, 1089 for Details on Hub Kit Components

MATCH MICHIGAN

Boat Description/ Length	ALUMINUM PROPELLERS					
	Dia.	Rot.	Pitch	Bld #	OEM Part #	CC Part #
22'-29' - AL	13-5/8	R	13	3	3N4B645271	101-42213
21'-26' - AL	13-1/2	R	15	3	3N4B645321	101-42215
18'-21' - AL	13-1/4	R	17	3	3N4B645361	101-41217
17'-20' - AL	13	R	19	3	3N4B645411	101-41219
15'-18' - AL	12-5/8	R	21	3	3N4B645451	101-41221

Rubber Hub Bushing

BALLISTIC MICHIGAN

STAINLESS STEEL - B SERIES PROPELLERS					
Dia.	Rot.	Pitch	Bld #	OEM Part #	CC Part #
13-5/8	R	15	3		999-33415
13-1/2	R	17	3		999-33417
13-3/8	R	19	3		999-33419
13-1/8	R	21	3		999-33421

Drop-In Hub

Use XHS II® Hub Kit **209**

Order 999-00209

Did You Know?

You can get assistance sizing a propeller, find your nearest Michigan Wheel dealer, and much more at www.miwheel.com.

MATCH MICHIGAN | VORTEX MICHIGAN | APOLLO MICHIGAN | BALLISTIC MICHIGAN

Key to Abbreviations: LL = Light Loads; SB = Sailboat; AL = All Loads; SK = Skiboat; WB = Workboat; HB = Houseboat; CR = Cruisers; HL = Heavy Loads; WD = Weedless

115-250 HORSEPOWER • 4-3/4" GEARCASE

Thru Hub Exhaust & 15 Tooth Spline

BFT115 .....2014 & Newer
BFT150 .....2014 & Newer
BFT200.....2014 & Newer
BFT225.....2014 & Newer
BFT250.....2014 & Newer

VORTEX MICHIGAN

3-BL ALUMINUM - A SERIES					4-BL ALUMINUM - A SERIES				
Dia.	Rot.	Pitch	Bld #	CC Part #	Dia.	Rot.	Pitch	Bld #	CC Part #
16	R	13	3	999-92001					
15-1/4	R	15	3	999-92002					
16	R	16	3	999-31516					
15	R	17	3	999-92003	15	R	16	4	999-92202
14-1/2	R	19	3	999-92004	14-1/2	R	18	4	999-92203
14-1/4	R	21	3	999-92005	14	R	20	4	999-92204
14	R	23	3	999-92006					

Drop-In Hub

Use XHS II® Hub Kit **207**

Order 999-00207

Refer to Pages 1085, 1088, 1089 for Details on Hub Kit Components

APOLLO MICHIGAN

STD. 3-BLADE A SERIES				LG DIA. 3-BLADE A SERIES				4-BLADE A SERIES			
Dia.	Rot.	Pitch	CC Part #	Dia.	Rot.	Pitch	CC Part #	Dia.	Rot.	Pitch	CC Part #
14-3/8	R	15	999-93042								
14-3/8	L	15	999-93052								
14-1/4	R	17	999-93043	15-1/2	R	17	999-93023	14-5/8	R	16	999-93203
14-1/4	L	17	999-93053	15-1/2	L	17	999-93033	14-5/8	L	16	999-93213
14-1/8	R	19	999-93044	15-1/4	R	19	999-93024	14-3/8	R	18	999-93204
14-1/8	L	19	999-93054	15-1/4	L	19	999-93034	14-3/8	L	18	999-93214
14	R	21	999-93045	14-3/4	R	21	999-93025	14-1/8	R	20	999-93205
14	L	21	999-93055	14-3/4	L	21	999-93035	14-1/8	L	20	999-93215
13-7/8	R	23	999-93046	14-5/8	R	23	999-93026	14	R	22	999-93206
13-7/8	L	23	999-93056	14-5/8	L	23	999-93036	14	L	22	999-93216

Drop-In Hub

Use XHS II® Hub Kit **207**

Order 999-00207

Refer to Pages 1085, 1088, 1089 for Details on Hub Kit Components

MATCH MICHIGAN

Boat Description/ Length	ALUMINUM PROPELLERS					
	Dia.	Rot.	Pitch	Bld #	OEM Part #	CC Part #
CR, HB	16	R	13	3	58130-ZY3-013A	100-31513
21'-24' - AL						
20'-23' - AL, SK	16	R	16	3		100-31516
19'-23' - AL, SK	14-1/2	R	17	3	58130-ZY3-017A	100-31024
19'-23' - AL, SK	15	R	17	3		100-31064
19'-22' - AL, SK	15-1/2	R	18	3		100-31052
18'-22' - AL, SK	14	R	19	3	58130-ZY3-019A	100-31025
18'-22' - AL, SK	14-1/2	R	19	3		100-31065
18'-20' - AL, SK	13-3/4	R	21	3	58130-ZY3-021A	100-31026
18'-20' - AL, SK	14-1/4	R	21	3		100-31066
17'-20' - AL, SK						
17'-20' - AL, SK						
Up to 18'						
High Performance						
High Performance						
High Perf. (EFI)						
High Performance						
High Performance						
High Perf. (EFI)						

Rubber Hub Bushing

BALLISTIC MICHIGAN

STAINLESS STEEL - A SERIES PROPELLERS										
3-BLADE BALLISTIC					3-BLADE BALLISTIC XL				
Dia.	Rot.	Pitch	Bld #	CC Part #	Dia.	Rot.	Pitch	Bld #	CC Part #
14-7/8	R	15	3	999-33515					
14-3/4	R	17	3	999-33517					
14-3/4	L	17	3	999-37517					
14-1/2	R	19	3	999-33519					
14-1/2	L	19	3	999-37519					
14-3/8	R	21	3	999-33521					
14-3/8	L	21	3	999-37521					
14-1/4	R	23	3	999-33523					
14-1/4	L	23	3	999-37523					
14-1/4	R	25	3	999-33525					
					14-3/4	R	22	3	999-53522
					14-3/4	R	24	3	999-53524
					14-3/4	R	26	3	999-53526
					4-BLADE BALLISTIC XL				
					14-1/8	R	23	4	999-63523
					14-1/8	R	25	4	999-63525
					14-1/8	R	27	4	999-63527

Drop-In Hub

Use XHS II® Hub Kit **207**

Order 999-00207

Refer to Pages 1085, 1088, 1089 for Details on Hub Kit Components

Key to Abbreviations: LL = Light Loads; SB = Sailboat; AL = All Loads; SK = Skiboat; WB = Workboat; HB = Houseboat; CR = Cruisers; HL = Heavy Loads; WD = Weedless

8-20 HORSEPOWER • 2-1/2" GEARCASE

Thru Hub Exhaust & 10 Tooth Spline

DF 8A 4-Stroke ..... 2011 & Newer
DT 9.9 1983-1987
DF 9.9 4-Stroke ..... 1996 & Newer
DF 9.9A / 9.9B 4-Stroke ..... 2010 & Newer
DT 15 1983-1988
DT 15C 1989-1997
DF 15 4-Stroke ..... 1996 & Newer
DF 15A 4-Stroke ..... 2013 & Newer
DF 20A 4-Stroke ..... 2013 & Newer

MATCH MICHIGAN

Boat Description/ Length	ALUMINUM PROPELLERS Dia.	Rot.	Pitch	Bld #	OEM Part #	CC Part #
14'-19' - AL	9-1/4	R	9	3	58100-90L50-019	*100-62103
14'-19' - AL	9-1/4	R	10	3	58100-90L60-019	*100-62104
14'-16' - LL	9-1/4	R	11	3	58100-89L40-019	*100-62105

100-62103 Standard Replacement for:
- DF 15A 4-Stroke

100-62104 Standard Replacement for:
- DF 20A 4-Stroke

Rubber Hub Bushing

Note: * All engines require OEM Aft Spacer Washer Part # 57633-93901.

20-30 HORSEPOWER • 3" GEARCASE

Thru Hub Exhaust & 10 Tooth Spline • ! MUST use Gearcase Adapter Ring supplied with propeller.

DT 20 ☆ 1985-1986
DT 20 1987-1988
DT 25 ☆ 1985-1986
DT 25 1987-1988
DT 25C 1989-2000
DF 25 4-Stroke (Includes V-Twin) ..... 2000 & Newer
DF 25R ..... 2010 & Newer
DF 25A ..... 2014 & Newer
DT 30 ☆ 1983-1986
DT 30 1987-1997
DT 30C 1987-1997
DF 30 4-Stroke 2000-2007
DF 30A ..... 2014 & Newer
Includes 'AQH', 'AR', 'AT', 'ATH', and 'R' models.

VORTEX MICHIGAN

Boat Description/ Length	ALUMINUM - E SERIES PROPELLERS Dia.	Rot.	Pitch	Bld #	OEM Part #	CC Part #
20' & Up - AL	10-1/2	R	9	3	58100-96370-019	999-92501
18'-20' - AL	10-1/2	R	10	3	58100-96470-019	999-92502
16'-18' - AL	10-1/2	R	11	3	58100-96420-019	999-92503
14'-16' - AL	10-1/8	R	12	3	58100-96480-019	999-92504
14'-16' - AL	10-1/8	R	13	3	58100-96490-019	999-92505
14'-16' - LL	10-1/8	R	14	3		999-92506

Drop-In Hub

Use XHS II® Hub Kit 221

Order 999-00221

Vortex® XHS® Aluminum Propeller

100-62205 Standard Replacement for:
- DF 25 4-Stroke
- DF 25R 4-Stroke

MATCH MICHIGAN

Boat Description/ Length	ALUMINUM PROPELLERS Dia.	Rot.	Pitch	Bld #	OEM Part #	CC Part #
20' & Up - AL	10-1/4	R	9	3	58100-96371-019	100-62208
20' & Up - AL	10-1/4	R	10	3	58100-96471-019	100-62204
17'-20' - AL	10-1/4	R	11	3	58100-96421-019	100-62205
15'-18' - AL	10-1/4	R	12	3	58100-96481-019	100-62206
13'-15' - AL	10-1/4	R	13	3	58100-96491-019	100-62207
13'-15' - AL	10-1/4	R	14	3	58100-95D01-019	100-62209
Up to 15' - LL	10-1/4	R	15	3	58100-96462-019	100-62210

Rubber Hub

BALLISTIC MICHIGAN

STAINLESS STEEL - E SERIES PROPELLERS Dia.	Rot.	Pitch	Bld #	OEM Part #	CC Part #
10-1/8	R	13	3		❄ 999-33013
10-1/8	R	15	3		❄ 999-33015

Drop-In Hub

Use XHS II® Hub Kit 221

Order 999-00221

Note: ❄ May interfere with trim tab.

Key to Abbreviations: LL = Light Loads; SB = Sailboat; AL = All Loads; SK = Skiboat; WB = Workboat; HB = Houseboat; CR = Cruisers; HL = Heavy Loads; WD = Weedless

☆ Use stopper 57632-96400 (For rubber hub propeller only)

35-65 HORSEPOWER • 3-1/4" GEARCASE
Thru Hub Exhaust & 13 Tooth Spline

DT 35C.....1987-1989
DT 40.....1983-1998
DF 40 4-Stroke.....1999-2010
DF 40A 4-Stroke.....2010 & Newer
DT 50 & 50M.....1983-1984
DF 50 4-Stroke.....1999-2010
DF 50A 4-Stroke (Not 50AV).....2010 & Newer
DT 55.....1985-1997
DT 60.....1983-1984
DF 60A 4-Stroke (Not 60AV)...2010 & Newer
DT 65.....1985-1997

VORTEX MICHIGAN — ALUMINUM - D SERIES PROPELLERS

Drop-In Hub — Use XHS II® Hub Kit 215 — Order 999-00215 — Refer to Pages 1085, 1088, 1089 for Details on Hub Kit Components

3-BLADE				LG. DIAMETER 3-BLADE				4-BLADE			
Dia.	Rot.	Pitch	CC Part #	Dia.	Rot.	Pitch	CC Part #	Dia.	Rot.	Pitch	CC Part #
								11-1/2	R	8	999-92401
				12-1/4	R	9	999-92601	11-1/2	R	9	999-92402
				11-3/4	R	10	999-92602	11-1/2	R	10	999-92403
10-3/8	R	11	999-92404	11-5/8	R	11	999-92603	4-BLADE			
10-3/8	R	12	999-92405	11-3/8	R	12	999-92604	10-5/8	R	12	999-41212
10-3/8	R	13	999-92406	11-1/8	R	13	999-92605	10-3/8	R	13	999-41213
10-3/8	R	14	999-92407	11-1/4	R	14	999-92606	10-1/8	R	14	999-41214
10	R	15	999-92408					10-1/8	R	15	999-41215
10	R	16	999-92409								

APOLLO MICHIGAN — STAINLESS STEEL - D SERIES PROPELLERS

Drop-In Hub — Use XHS II® Hub Kit 215 — Order 999-00215 — Refer to Pages 1085, 1088, 1089 for Details on Hub Kit Components

Dia.	Rot.	Pitch	Bld #	OEM Part #	CC Part #
10-3/4	R	12	3		999-93405
10-1/2	R	13	3		999-93406
10-3/8	R	14	3		999-93407
10-1/8	R	15	3		999-93408

MATCH MICHIGAN — ALUMINUM PROPELLERS

Rubber Hub Bushing

Boat Description/ Length	Dia.	Rot.	Pitch	Bld #	OEM Part #	CC Part #
18'-21' - AL	12-1/4	R	9	3		100-32046
18'-21' - AL	11-3/4	R	10	3	58100-88L13-019	100-32045
16'-19' - AL	11-1/2	R	11	3	58100-88L23-019	100-62211
16'-19' - AL	11-1/2	R	12	3	58100-88LAO-019	100-62212
14'-18' - AL	11-1/2	R	13	3	58100-92L30-019	100-62213
14'-18' - AL	11-1/2	R	14	3	58100-88L52-019	100-62214
13'-15' - AL	11-1/4	R	15	3	58100-88L62-019	100-62215
13'-15' - LL	11-1/8	R	16	3	58100-88L72-019	100-62216
Up to 15' - LL	11	R	17	3	58100-88L83-019	100-62217

BALLISTIC MICHIGAN — STAINLESS STEEL - D SERIES PROPELLERS

Drop-In Hub — Use XHS II® Hub Kit 215 — Order 999-00215 — Refer to Pages 1085, 1088, 1089 for Details on Hub Kit Components

Dia.	Rot.	Pitch	Bld #	OEM Part #	CC Part #
10-1/8	R	13	3		999-33213
10-1/8	R	15	3		999-33215

Did You Know?
With a history as storied as Michigan Wheel's, there are a number of propellers that have been discontinued for decades-old engines. Michigan Wheel can aid in locating remaining inventory in the market.
Contact us at 1-800-369-4335 for assistance.

APOLLO MICHIGAN

BALLISTIC MICHIGAN

Key to Abbreviations: LL = Light Loads; SB = Sailboat; AL = All Loads; SK = Skiboat; WB = Workboat; HB = Houseboat; CR = Cruisers; HL = Heavy Loads; WD = Weedless

60-140 HORSEPOWER • 4-1/4" GEARCASE
Thru Hub Exhaust & 13 Tooth Spline

DF 60 4-Stroke.....1998-2009
DF 70 4-Stroke.....1998-2008
DT 75 1983-1997
DT 85.....1979-2000
DT 90.....1989-1997
DT 100.....1989-2000
DT 115 1981-2001
DT 140 1981-2001

VORTEX MICHIGAN

3-BL ALUMINUM - B SERIES					4-BL ALUMINUM - B SERIES				
Dia.	Rot.	Pitch	Bld #	CC Part #	Dia.	Rot.	Pitch	Bld #	CC Part #
14	R	10	3	999-92109					
14	R	11	3	999-92111	13-7/8	R	11	4	999-41411
14	R	13	3	999-92112	13-7/8	R	13	4	999-41413
13-3/4	R	15	3	999-92113	13-3/8	R	15	4	999-41415
13-1/4	R	17	3	999-92114	13	R	17	4	999-41417
13	R	19	3	999-92115	12-1/2	R	19	4	999-41419
12-3/4	R	21	3	999-92116					

Drop-In Hub
Use XHS II® Hub Kit
210
Order 999-00210
Do NOT use Gearcase Adapter Ring supplied with propeller.
Refer to Pages 1085, 1088, 1089 for Details on Hub Kit Components

APOLLO MICHIGAN

STAINLESS STEEL - B SERIES PROPELLERS					
Dia.	Rot.	Pitch	Bld #	OEM Part #	CC Part #
13-3/8	R	15	3		999-93143
13-3/8	L	15	3		999-93153
13-1/4	R	17	3		999-93144
13-1/4	L	17	3		999-93154
13-1/8	R	19	3		999-93145
13-1/8	L	19	3		999-93155
13	R	21	3		999-93146
13	L	21	3		999-93156

Drop-In Hub
Use XHS II® Hub Kit
210
Order 999-00210
Do NOT use Gearcase Adapter Ring supplied with propeller.
Refer to Pages 1085, 1088, 1089 for Details on Hub Kit Components

MATCH MICHIGAN

Boat Description/ Length	ALUMINUM PROPELLERS					
	Dia.	Rot.	Pitch	Bld #	OEM Part #	CC Part #
19'-22' - AL, SK						
18'-21' - AL, SK						
17'-20' - AL, SK						
15'-18' - AL, SK						

Rubber Hub Bushing

BALLISTIC MICHIGAN

STAINLESS STEEL - B SERIES PROPELLERS					
Dia.	Rot.	Pitch	Bld #	OEM Part #	CC Part #
13-5/8	R	15	3		999-33415
13-1/2	R	17	3		999-33417
13-3/8	R	19	3		999-33419
13-1/8	R	21	3		999-33421

Drop-In Hub
Use XHS II® Hub Kit
210
Do NOT use Gearcase Adapter Ring supplied with propeller.

Did You Know?
If you need specifications on that obsolete propeller, you can visit the Obsolete Part Finder in the Resource Center on www.miwheel.com.

MATCH MICHIGAN

VORTEX MICHIGAN

APOLLO MICHIGAN

BALLISTIC MICHIGAN

Key to Abbreviations: LL = Light Loads; SB = Sailboat; AL = All Loads; SK = Skiboat; WB = Workboat; HB = Houseboat; CR = Cruisers; HL = Heavy Loads; WD = Weedless

50-140 HORSEPOWER (4-STROKE) • 4-1/4" GEARCASE

Thru Hub Exhaust & 15 Tooth Spline

DF 50AV 4-Stroke ..... 2015 & Newer
DF 60AV 4-Stroke ..... 2015 & Newer
DF 70A 4-Stroke ..... 2009 & Newer
DF 80A 4-Stroke ..... 2009 & Newer
DF 90 4-Stroke 2001-2008
DF 90A 4-Stroke ..... 2009 & Newer
DF 100 4-Stroke ..... 2009 & Newer
DF 115 4-Stroke 2001-2012
DF 115A 4-Stroke ..... 2013 & Newer
DF 140 4-Stroke 2002-2012
DF 140A 4-Stroke ..... 2013 & Newer

VORTEX MICHIGAN

3-BL ALUMINUM - B SERIES					4-BL ALUMINUM - B SERIES				
Dia.	Rot.	Pitch	Bld #	CC Part #	Dia.	Rot.	Pitch	Bld #	CC Part #
14	R	10	3	999-92109					
14	R	11	3	999-92111	13-7/8	R	11	4	999-41411
14	R	13	3	999-92112	13-7/8	R	13	4	999-41413
13-3/4	R	15	3	999-92113	13-3/8	R	15	4	999-41415
13-1/4	R	17	3	999-92114	13	R	17	4	999-41417
13	R	19	3	999-92115	12-1/2	R	19	4	999-41419
12-3/4	R	21	3	999-92116					

Drop-In Hub
Use XHS II® Hub Kit **225 / 226 / 227***
Order 999-00225
Order 999-00226
Order 999-00227
Refer to Pages 1085, 1088, 1089 for Details on Hub Kit Components

APOLLO MICHIGAN

STAINLESS STEEL - B SERIES PROPELLERS					
Dia.	Rot.	Pitch	Bld #	OEM Part #	CC Part #
13-3/8	R	15	3		999-93143
13-3/8	L	15	3		999-93153
13-1/4	R	17	3		999-93144
13-1/4	L	17	3		999-93154
13-1/8	R	19	3		999-93145
13-1/8	L	19	3		999-93155
13	R	21	3		999-93146
13	L	21	3		999-93156

Drop-In Hub
Use XHS II® Hub Kit **225 / 226 / 227***
Order 999-00225
Order 999-00226
Order 999-00227
Refer to Pages 1085, 1088, 1089 for Details on Hub Kit Components

MATCH MICHIGAN

Boat Description/ Length	ALUMINUM PROPELLERS					
	Dia.	Rot.	Pitch	Bld #	OEM Part #	CC Part #
20'-24' - AL, SK	14	R	15	3	990C0-00760-15P	100-61020
17'-19' - AL, SK	14	R	17	3	990C0-00760-17P	100-61024
17'-19' - AL	14	R	18	3		100-61026
16'-18' - AL, SK	14	R	19	3	990C0-00760-19P	100-61028
15'-18' - AL, SK	14	R	21	3	990C0-00760-21P	100-61032
High Performance						

Rubber Hub Bushing

BALLISTIC MICHIGAN

STAINLESS STEEL - B SERIES PROPELLERS									
3-BLADE BALLISTIC					3-BLADE BALLISTIC XL				
Dia.	Rot.	Pitch	Bld #	CC Part #	Dia.	Rot.	Pitch	Bld #	CC Part #
13-5/8	R	15	3	999-33415					
13-1/2	R	17	3	999-33417					
13-3/8	R	19	3	999-33419					
13-1/8	R	21	3	999-33421	13-1/2	R	22	3	999-53422
					13-1/2	R	24	3	999-53424

Drop-In Hub
Use XHS II® Hub Kit **225 / 226 / 227***
Order 999-00225
Order 999-00226
Order 999-00227
Refer to Pages 1085, 1088, 1089 for Details on Hub Kit Components

Note: For DF 50AV / DF 60AV / DF 90 / DF 100 / DF 115 HP 4-Stroke engine applications use XHS II® (Drop-In Hub) Kit # 999-00225.
For DF 115A / DF 140 HP / DF 140A 4-Stroke engine applications use XHS II® (Drop-In Hub) Kit # 999-00226.
For DF 70A / 80A / 90A applications use XHS II® (Drop-In Hub) Kit # 999-00227.

Did You Know?
Michigan Wheel truly has a global presence, with offices in both England and Dubai, United Arab Emirates.

MATCH MICHIGAN

VORTEX MICHIGAN

APOLLO MICHIGAN

BALLISTIC MICHIGAN

Key to Abbreviations: LL = Light Loads; SB = Sailboat; AL = All Loads; SK = Skiboat; WB = Workboat; HB = Houseboat; CR = Cruisers; HL = Heavy Loads; WD = Weedless

150-300 HORSEPOWER • 4-3/4" GEARCASE

Thru Hub Exhaust & 15 Tooth Spline

DT 150 1986-2003
DF 150 4-Stroke.....2006 & Newer
DF 150TG .....2014 & Newer
DT 175 1987-1992
DF 175 4-Stroke.....2006 & Newer
DT 175TG .....2014 & Newer
DT 200 1986-2000
DF 200 4-Stroke ⓘ .....2004 & Newer
DF 200A 4-Stroke .....2015 & Newer
DF 200AP 4-Stroke ⓘ .....2015 & Newer
DT 225.....1986-2003
DF 225 4-Stroke ⓘ .....2004 & Newer
DF 250 4-Stroke ⓘ .....2004 & Newer
DF 250AP 4-Stroke ⓘ .....2014 & Newer
DF 300 4-Stroke ⓘ .....2007 & Newer
DF 300AP 4-Stroke ⓘ .....2014 & Newer

ⓘ Listed propeller diameters are slightly less than original equipment propeller.

***For engines 300 HP or higher, use "High Horsepower Sleeve" (P/N 999-13720). SEE PAGE 1080 for more details.**

VORTEX MICHIGAN

3-BL ALUMINUM - A SERIES

Dia.	Rot.	Pitch	Bld #	CC Part #
16	R	13	3	999-92001
15-1/4	R	15	3	999-92002
16	R	16	3	999-31516
15	R	17	3	999-92003
14-1/2	R	19	3	999-92004
14-1/4	R	21	3	999-92005
14	R	23	3	999-92006

4-BL ALUMINUM - A SERIES

Dia.	Rot.	Pitch	Bld #	CC Part #
15	R	16	4	999-92202
14-1/2	R	18	4	999-92203
14	R	20	4	999-92204

Drop-In Hub

Use XHS II® Hub Kit

204

Order 999-00204

Refer to Pages 1085, 1088, 1089 for Details on Hub Kit Components

APOLLO MICHIGAN

STD. 3-BLADE A SERIES				LG DIA. 3-BLADE A SERIES				4-BLADE A SERIES			
Dia.	Rot.	Pitch	CC Part #	Dia.	Rot.	Pitch	CC Part #	Dia.	Rot.	Pitch	CC Part #
14-3/8	R	15	999-93042								
14-3/8	L	15	999-93052								
14-1/4	R	17	999-93043	15-1/2	R	17	999-93023	14-5/8	R	16	999-93203
14-1/4	L	17	999-93053	15-1/2	L	17	999-93033	14-5/8	L	16	999-93213
14-1/8	R	19	999-93044	15-1/4	R	19	999-93024	14-3/8	R	18	999-93204
14-1/8	L	19	999-93054	15-1/4	L	19	999-93034	14-3/8	L	18	999-93214
14	R	21	999-93045	14-3/4	R	21	999-93025	14-1/8	R	20	999-93205
14	L	21	999-93055	14-3/4	L	21	999-93035	14-1/8	L	20	999-93215
13-7/8	R	23	999-93046	14-5/8	R	23	999-93026	14	R	22	999-93206
13-7/8	L	23	999-93056	14-5/8	L	23	999-93036	14	L	22	999-93216

Drop-In Hub

Use XHS II® Hub Kit

204

Order 999-00204

Refer to Pages 1085, 1088, 1089 for Details on Hub Kit Components

BALLISTIC MICHIGAN

STAINLESS STEEL - A SERIES PROPELLERS

3-BLADE BALLISTIC				
Dia.	Rot.	Pitch	Bld #	CC Part #
14-7/8	R	15	3 ✲	999-33515
14-3/4	R	17	3 ✲	999-33517
14-3/4	L	17	3 ✲	999-37517
14-1/2	R	19	3 ✲	999-33519
14-1/2	L	19	3 ✲	999-37519
14-3/8	R	21	3 ✲	999-33521
14-3/8	L	21	3 ✲	999-37521
14-1/4	R	23	3 ✲	999-33523
14-1/4	L	23	3 ✲	999-37523
14-1/4	R	25	3 ✲	999-33525

3-BLADE BALLISTIC XL				
Dia.	Rot.	Pitch	Bld #	CC Part #
14-3/4	R	22	3 ✲	999-53522
14-3/4	R	24	3 ✲	999-53524
14-3/4	R	26	3 ✲	999-53526
4-BLADE BALLISTIC XL				
14-1/8	R	23	4 ✲	999-63523
14-1/8	R	25	4 ✲	999-63525
14-1/8	R	27	4 ✲	999-63527

✲ May interfere with trim tab.

Drop-In Hub

Use XHS II® Hub Kit

204

Order 999-00204

Refer to Pages 1085, 1088, 1089 for Details on Hub Kit Components

Key to Abbreviations: LL = Light Loads; SB = Sailboat; AL = All Loads; SK = Skiboat; WB = Workboat; HB = Houseboat; CR = Cruisers; HL = Heavy Loads; WD = Weedless

4-6 HORSEPOWER
Non-Thru Hub Exhaust & 9 Tooth Spline

4 HP 2-Stroke.....1986-1999
F4 4-Stroke.....1999 & Newer
5 HP 2-Stroke.....1995-2002
F6A 4-Stroke (1 Cyl.).....2011 & Newer

Boat Description/ Length	Dia.	Rot.	Pitch	Bld #	OEM Part #	CC Part #
	7-1/2	R	7	3	6E0-45943-01-00	101-02017
	7-1/2	R	8	3	6E0-45941-01-00	101-02018

101-02017

Rubber Hub Bushing

6-9.9 HORSEPOWER
Thru Hub Exhaust & 7 Tooth Spline • Replaces Yamaha® "N" Series Propellers

6 HP 2-Stroke.....1986-2000
F6 4-Stroke.....2001-2010
8 HP 2-Stroke.....1986-2009
F8 4-Stroke.....2001 & Newer
F9.9 4-Stroke.....2008 & Newer

Boat Description/ Length	Dia.	Rot.	Pitch	Bld #	OEM Part #	CC Part #
General Usage	8-1/2	R	7-1/2	3	6G1-45943-00-00	101-02002

101-02002

Rubber Hub Bushing

8 HORSEPOWER
Non-Thru Hub Exhaust & Pin Drive

8 HP.....1976-1983

Boat Description/ Length	Dia.	Rot.	Pitch	Bld #	OEM Part #	CC Part #
14'-16' - AL	8-1/4	R	8	3		100-12008

100-12008

Rubber Hub Bushing

9.9-20 HORSEPOWER • 2-1/2" GEARCASE
Thru Hub Exhaust & 8 Tooth Spline • Replaces Yamaha® "J" Series Propellers

9.9 HP 2-Stroke.....1984-2009
F9.9 4-Stroke.....2000-2007
15 HP 2-Stroke.....1984-2009
F15 4-Stroke.....1998 & Newer
F15 C.....2007 & Newer
F20 4-Stroke.....2007 & Newer

Boat Description/ Length	Dia.	Rot.	Pitch	Bld #	OEM Part #	CC Part #
14'-20' - HL	9-1/4	R	8	3	63V-45947-00-00	101-02003
14'-19' - AL	9-1/4	R	9	3	63V-45945-10-00	101-02004
14'-19' - AL	9-1/4	R	9-3/4	3	683-45952-00-00	101-02106
14'-16' - AL	9-1/4	R	10-1/2	3	683-45943-00-00	101-02005
Up to 14' - LL	9-1/4	R	12	3	683-45941-00-00	101-02107

101-02003

101-02004

Rubber Hub Bushing

Did You Know?
Michigan Wheel propellers intended for use on Yamaha® engines will also fit Parsun® outboards and Selva® 4-Stroke outboards.
Look for the Parsun® and Selva® engine listings on
PAGES 1075-1077

Key to Abbreviations: LL = Light Loads; SB = Sailboat; AL = All Loads; SK = Skiboat; WB = Workboat; HB = Houseboat; CR = Cruisers; HL = Heavy Loads; WD = Weedless

15-28 HORSEPOWER
Non-Thru Hub Exhaust & Pin Drive

15A & W15 HP.....1976-1983
20 HP.....1976-1978
25 HP 2 Cyl. 1977-1979
28 HP 1976-1978

MATCH MICHIGAN — ALUMINUM PROPELLERS

Boat Description/ Length	Dia.	Rot.	Pitch	Bld #	OEM Part #	CC Part #
HB, SB	9-1/4	R	7	3	650-45943-01-36	100-12102
12'-14' - HL	9	R	9	3		100-12109
12'-14' - HL	9	R	10	3	651-45947-00-36	100-12011
12'-14' - AL	9-1/4	R	11	3	653-45941-01-36	100-12013

100-12102

100-12011

100-12013

Rubber Hub Bushing

20-30 HORSEPOWER • 3" GEARCASE
Thru Hub Exhaust & 10 Tooth Spline • Replaces Yamaha® "F" Series Propellers • ! MUST use Gearcase Adapter Ring supplied with propeller.

20 HP.....1996-1997
25 HP.....1980 & Newer
F25 4-Stroke ..... 1998-2006; 2010 & Newer
30 HP 1983-2002

VORTEX MICHIGAN — ALUMINUM - E SERIES PROPELLERS

Boat Description/ Length	Dia.	Rot.	Pitch	Bld #	OEM Part #	CC Part #
16'-18' - AL	10-1/2	R	9	3		999-92501
14'-17' - AL	10-1/2	R	10	3		999-92502
14'-17' - AL	10-1/2	R	11	3		999-92503
13'-16' - LL	10-1/8	R	12	3		999-92504
13'-16' - LL	10-1/8	R	13	3		999-92505
13'-16' - LL	10-1/8	R	14	3		999-92506

Drop-In Hub

Use XHS II® Hub Kit 223

Order 999-00223

999-12440 - Gearcase Adapter Rings

999-92504
Vortex® XHS® Aluminum Propeller

100-22001

100-22003

MATCH MICHIGAN — ALUMINUM PROPELLERS

Boat Description/ Length	Dia.	Rot.	Pitch	Bld #	OEM Part #	CC Part #
16'-18' - AL	9-7/8	R	9	3	664-45941-01-00	100-22001
15'-17' - AL	9-7/8	R	10-1/2	3	664-45945-00-00	100-22002
14'-16' - AL	9-7/8	R	11-1/4	3	664-45947-10-00	100-22004
13'-16' - LL	9-7/8	R	12	3	664-45954-01-00	100-22003
13'-16' - LL	9-7/8	R	13	3	664-45949-02-00	100-22005
Up to 15' - LL	9-7/8	R	14	3	664-45952-00-00	100-22006
Up to 15' - LL						

Rubber Hub Bushing

BALLISTIC MICHIGAN — STAINLESS STEEL - E SERIES PROPELLERS

Dia.	Rot.	Pitch	Bld #	OEM Part #	CC Part #
10-1/8	R	13	3		* 999-33013
10-1/8	R	15	3		* 999-33015

Drop-In Hub

Use XHS II® Hub Kit 223

Order 999-00223

Note: * May interfere with trim tab.
Gearcase adaptor rings may be slightly larger then engine gearcase.

Did You Know?
A recently conducted independent survey, conducted in cooperation with Michigan Wheel, found Michigan Wheel to have the highest overall customer satisfaction among aftermarket propeller manufacturers.

Key to Abbreviations: LL = Light Loads; SB = Sailboat; AL = All Loads; SK = Skiboat; WB = Workboat; HB = Houseboat; CR = Cruisers; HL = Heavy Loads; WD = Weedless

25-60 HORSEPOWER • 3-1/2" GEARCASE

Thru Hub Exhaust & 13 Tooth Spline • Replaces Yamaha® "G" Series Propellers

T25 HP ..... 2010 & Newer
F30 4-Stroke ..... 2001-2005; 2015 & Newer
40 HP (Includes 40C) ..... 1984 & Newer
F40 4-Stroke ..... 1999 & Newer
48 HP 1995-2000
50 HP (Not T50) ..... 1984 & Newer
F50 4-Stroke ..... 1995 & Newer
55 HP 1976-1995
60 HP 1976-1991
F60 4-Stroke ..... 1999 & Newer

VORTEX MICHIGAN

ALUMINUM - D SERIES PROPELLERS

3-BLADE				LG. DIAMETER 3-BLADE				4-BLADE			
Dia.	Rot.	Pitch	CC Part #	Dia.	Rot.	Pitch	CC Part #	Dia.	Rot.	Pitch	CC Part #
								11-1/2	R	8	999-92401
				12-1/4	R	9	999-92601	11-1/2	R	9	999-92402
				11-3/4	R	10	999-92602	11-1/2	R	10	999-92403
10-3/8	R	11	999-92404	11-5/8	R	11	999-92603	4-BLADE			
10-3/8	R	12	999-92405	11-3/8	R	12	999-92604	10-5/8	R	12	999-41212
10-3/8	R	13	999-92406	11-1/8	R	13	999-92605	10-3/8	R	13	999-41213
10-3/8	R	14	999-92407	11-1/4	R	14	999-92606	10-1/8	R	14	999-41214
10	R	15	999-92408					10-1/8	R	15	999-41215
10	R	16	999-92409								

Drop-In Hub

Use XHS II® Hub Kit 217

Order 999-00217

Refer to Pages 1085, 1088, 1089 for Details on Hub Kit Components

APOLLO MICHIGAN

STAINLESS STEEL - D SERIES PROPELLERS

Dia.	Rot.	Pitch	Bld #	OEM Part #	CC Part #
10-3/4	R	12	3	MAR-10512-HR-C0	999-93405
10-1/2	R	13	3	MAR-10513-HR-C0	999-93406
10-3/8	R	14	3	MAR-10514-HR-C0	999-93407
10-1/8	R	15	3	MAR-10515-HR-C0	999-93408

Drop-In Hub

Use XHS II® Hub Kit 217

Order 999-00217

Refer to Pages 1085, 1088, 1089 for Details on Hub Kit Components

MATCH MICHIGAN

ALUMINUM PROPELLERS

Boat Description/ Length	Dia.	Rot.	Pitch	Bld #	OEM Part #	CC Part #
18' & Up - HL	12-1/4	R	9	3	663-45956-01-00	100-32046
17' & Up - HL	11-3/4	R	10	3		100-32045
16'-18' - AL, SK	11-5/8	R	11	3	69W-45947-00-00	100-32044
15'-17' - CUPPED	10-5/8	R	12	3	6H5-45952-00-00	100-31074
15'-17' - AL, SK	11-3/8	R	12	3	69W-45952-00-00	100-32043
14'-17' - CUPPED	10-3/8	R	13	3	6H5-45945-00-00	100-31075
14'-17' - AL, SK	11-1/8	R	13	3	69W-45945-00-00	100-32042
14'-16' - CUPPED	10-1/4	R	14		6H5-45958-00-00	100-31076
14'-16' - LL	11-1/4	R	14	3	69W-45958-00-00	100-32041
12'-14' - LL	11	R	15	3	69W-45943-00-00	100-32040

Rubber Hub Bushing

BALLISTIC MICHIGAN

STAINLESS STEEL - D SERIES PROPELLERS

Dia.	Rot.	Pitch	Bld #	OEM Part #	CC Part #
10-1/8	R	13	3		999-33213
10-1/8	R	15	3		999-33215

Use XHS II® Hub Kit 217

Order 999-00217

Refer to Pages 1085, 1088, 1089 for Details on Hub Kit Components

80-140 HORSEPOWER

Thru Hub Exhaust & 15 Tooth Spline

80 HP 1977-1983
90 & 115 HP 1978-1983
140 HP 1978-1979

SEE Mercury® 40-140 HP Product Offering on Page 1057

150-175 HORSEPOWER

Thru Hub Exhaust & 15 Tooth Spline

150 HP 1979-1983
175 HP 1978-1979

SEE Mercury® V-6 Product Offering on Page 1058

Key to Abbreviations: LL = Light Loads; SB = Sailboat; AL = All Loads; SK = Skiboat; WB = Workboat; HB = Houseboat; CR = Cruisers; HL = Heavy Loads; WD = Weedless

50-130 HORSEPOWER • 4-1/4" GEARCASE

Thru Hub Exhaust & 15 Tooth Spline • Replaces Yamaha® "K" Series Propellers

T50 HP ..... 1996 & Newer	75 HP (Includes C75/E75/P75) 1994-1999	90 HP (Includes C90) ..... 1984 & Newer
T60 HP ..... 2003 & Newer	80 HP 1997	F100 4-Stroke ..... 2000 & Newer
60 HP (Includes C60/E60/P60) 1992-2005	F80 4-Stroke 1999-2002	F115 4-Stroke ..... 2000 & Newer
F70 4-Stroke ..... 2010 & Newer	85 HP 1991-1997	115 HP (Includes C115/P115) 1984 & Newer
70 HP ..... 1984 & Newer	F90 4-Stroke ..... 1999 & Newer	130 HP ..... 1984 & Newer
F75 4-Stroke ..... 2003 & Newer		

VORTEX MICHIGAN

Drop-In Hub — Use XHS II® Hub Kit 203 / 208 — Order 999-00203 Order 999-00208 — USE Gearcase Adapter Ring supplied with propeller. — Refer to Pages 1085, 1088, 1089 for Details on Hub Kit Components

3-BL ALUMINUM - B SERIES

Dia.	Rot.	Pitch	Bld #	CC Part #
14	R	10	3	999-92109
14	R	11	3	999-92111
14	R	13	3	999-92112
13-3/4	R	15	3	999-92113
13-1/4	R	17	3	999-92114
13	R	19	3	999-92115
12-3/4	R	21	3	999-92116

4-BL ALUMINUM - B SERIES

Dia.	Rot.	Pitch	Bld #	CC Part #
13-7/8	R	11	4	999-41411
13-7/8	R	13	4	999-41413
13-3/8	R	15	4	999-41415
13	R	17	4	999-41417
12-1/2	R	19	4	999-41419

APOLLO MICHIGAN

Drop-In Hub — Use XHS II® Hub Kit 203 / 208 — Order 999-00203 Order 999-00208 — USE Gearcase Adapter Ring supplied with propeller. — Refer to Pages 1085, 1088, 1089 for Details on Hub Kit Components

STAINLESS STEEL - B SERIES PROPELLERS

Dia.	Rot.	Pitch	Bld #	OEM Part #	CC Part #
13-3/8	R	15	3		✻ 999-93143
13-3/8	L	15	3		✻ 999-93153
13-1/4	R	17	3	688-45930-02-00	✻ 999-93144
13-1/4	L	17	3	6L6-45930-01-00	✻ 999-93154
13-1/8	R	19	3	688-45970-03-00	✻ 999-93145
13-1/8	L	19	3	6L6-45970-00-00	✻ 999-93155
13	R	21	3	688-45972-02-00	✻ 999-93146
13	L	21	3	6L6-45972-00-00	✻ 999-93156

MATCH MICHIGAN

Rubber Hub Bushing

ALUMINUM PROPELLERS

Boat Description/ Length	Dia.	Rot.	Pitch	Bld #	OEM Part #	CC Part #
25' & Up	14	R	11	3		101-01036
22'-25' - AL	13-5/8	R	13	3	6E5-45949-00-00	101-01031
20'-24' - AL	13-1/2	R	15	3	6E5-45947-00-00	101-01032
17'-19' - AL	13-1/4	R	17	3	6E5-45945-01-00	101-01033
16'-18' - AL	13	R	19	3	6E5-45941-00-00	101-01034
15'-18' - AL	12-5/8	R	21	3		101-01035
High Performance						
High Performance						

BALLISTIC MICHIGAN

Drop-In Hub — Use XHS II® Hub Kit 203 / 208 — Order 999-00203 Order 999-00208 — USE Gearcase Adapter Ring supplied with propeller. — Refer to Pages 1085, 1088, 1089 for Details on Hub Kit Components

STAINLESS STEEL - B SERIES PROPELLERS

3-BLADE BALLISTIC

Dia.	Rot.	Pitch	Bld #	CC Part #
13-5/8	R	15	3	999-33415
13-1/2	R	17	3	999-33417
13-3/8	R	19	3	999-33419
13-1/8	R	21	3	✻ 999-33421

3-BLADE BALLISTIC XL

Dia.	Rot.	Pitch	Bld #	CC Part #
13-1/2	R	22	3	✻ 999-53422
13-1/2	R	24	3	✻ 999-53424

Note: For F75B (4-Stroke), F90B (4-Stroke), 115 HP, F115 (4-Stroke), and 130 HP engine applications use XHS II® (Drop-In Hub) Kit # 999-00203.
For all other engine applications use XHS II® (Drop-In Hub) Kit # 999-00208.

Note: ✻ Michigan Wheel high performance trim tab P/N 999-90341 is required when using stainless steel propellers on Yamaha 50-130 HP engines.

Key to Abbreviations: LL = Light Loads; SB = Sailboat; AL = All Loads; SK = Skiboat; WB = Workboat; HB = Houseboat; CR = Cruisers; HL = Heavy Loads; WD = Weedless

MICHIGAN WHEEL

150-300 HORSEPOWER • 4-3/4" GEARCASE

Thru Hub Exhaust & 15 Tooth Spline • Replaces Yamaha® "M" or "T" Series Propellers

150 HP	1986 & Newer	220 HP (Special)	1984-1985
F150 4-Stroke	2004 & Newer	225 HP (Excel)	1987-1988
175 HP	1984 & Newer	225 HP	1986 & Newer
F175 4-Stroke	2014 & Newer	F225 4-Stroke	2002 & Newer
200 HP	1984 & Newer	VF225 V MAX® SHO	2010 & Newer
200 HP V MAX®	2001	F225 Offshore	2010 & Newer
F200 4-Stroke	2002 & Newer	250 HP	1990 & Newer
VF200 V MAX® SHO	2010 & Newer	250 HP V MAX®	2001
F250 4-Stroke	2002 & Newer		
VF250 V MAX® SHO	2010 & Newer		
F250 Offshore	2010 & Newer		
300 HP	2004-2007		
F300 Offshore	2010 & Newer		

***For engines 300 HP or higher, use "High Horsepower Sleeve" (P/N 999-13720). SEE Page 1080 for more details.**

VORTEX MICHIGAN

3-BL ALUMINUM - A SERIES					4-BL ALUMINUM - A SERIES				
Dia.	Rot.	Pitch	Bld #	CC Part #	Dia.	Rot.	Pitch	Bld #	CC Part #
16	R	13	3	999-92001					
15-1/4	R	15	3	999-92002					
16	R	16	3	999-31516					
15	R	17	3	999-92003	15	R	16	4	999-92202
14-1/2	R	19	3	999-92004	14-1/2	R	18	4	999-92203
14-1/4	R	21	3	999-92005	14	R	20	4	999-92204
14	R	23	3	999-92006					

Drop-In Hub

Use XHS II® Hub Kit **203**

Order 999-00203

Refer to Pages 1085, 1088, 1089 for Details on Hub Kit Components

APOLLO MICHIGAN

STD. 3-BLADE A SERIES				LG DIA. 3-BLADE A SERIES				4-BLADE A SERIES			
Dia.	Rot.	Pitch	CC Part #	Dia.	Rot.	Pitch	CC Part #	Dia.	Rot.	Pitch	CC Part #
14-3/8	R	15	999-93042								
14-3/8	L	15	999-93052								
14-1/4	R	17	999-93043	15-1/2	R	17	999-93023	14-5/8	R	16	999-93203
14-1/4	L	17	999-93053	15-1/2	L	17	999-93033	14-5/8	L	16	999-93213
14-1/8	R	19	999-93044	15-1/4	R	19	999-93024	14-3/8	R	18	999-93204
14-1/8	L	19	999-93054	15-1/4	L	19	999-93034	14-3/8	L	18	999-93214
14	R	21	999-93045	14-3/4	R	21	999-93025	14-1/8	R	20	999-93205
14	L	21	999-93055	14-3/4	L	21	999-93035	14-1/8	L	20	999-93215
13-7/8	R	23	999-93046	14-5/8	R	23	999-93026	14	R	22	999-93206
13-7/8	L	23	999-93056	14-5/8	L	23	999-93036	14	L	22	999-93216

Drop-In Hub

Use XHS II® Hub Kit **203**

Order 999-00203

Refer to Pages 1085, 1088, 1089 for Details on Hub Kit Components

MATCH MICHIGAN

Boat Description/ Length	ALUMINUM PROPELLERS					
	Dia.	Rot.	Pitch	Bld #	OEM Part #	CC Part #
20'-22' - AL, SK	15-1/4	R	15	3	6G5-45941-00-00	101-01025
19'-21' - AL, SK	14-1/2	R	17	3	6G5-45947-01-00	101-01027
19'-21' - AL, SK						
18'-20' - AL, SK	14	R	19	3	6G5-45945-01-00	101-01028
18'-20' - AL, SK						
18'-20' - AL, SK	13-3/4	R	21	3	6G5-45943-01-00	101-01029
18'-20' - AL, SK						
Up to 18' - AL, SK						
Up to 18' - AL, SK						
Up to 18' - AL, SK						
High Performance						
High Performance						
High Performance						
High Performance						
High Performance						
High Performance						

Rubber Hub Bushing

BALLISTIC MICHIGAN

STAINLESS STEEL - A SERIES PROPELLERS										
3-BLADE BALLISTIC					3-BLADE BALLISTIC XL					
Dia.	Rot.	Pitch	Bld #	CC Part #	Dia.	Rot.	Pitch	Bld #	CC Part #
14-7/8	R	15	3	999-33515					
14-3/4	R	17	3	999-33517					
14-3/4	L	17	3	999-37517					
14-1/2	R	19	3	999-33519					
14-1/2	L	19	3	999-37519					
14-3/8	R	21	3	999-33521					
14-3/8	L	21	3	999-37521					
14-1/4	R	23	3	999-33523					
14-1/4	L	23	3	999-37523					
14-1/4	R	25	3	999-33525					
					14-3/4	R	22	3	✻ 999-53522
					14-3/4	R	24	3	✻ 999-53524
					14-3/4	R	26	3	✻ 999-53526
					4-BLADE BALLISTIC XL				
					14-1/8	R	23	4	✻ 999-63523
					14-1/8	R	25	4	✻ 999-63525
					14-1/8	R	27	4	✻ 999-63527

✻ May interfere with trim tab.

Drop-In Hub

Use XHS II® Hub Kit **203**

Order 999-00203

Refer to Pages 1085, 1088, 1089 for Details on Hub Kit Components

Key to Abbreviations: LL = Light Loads; SB = Sailboat; AL = All Loads; SK = Skiboat; WB = Workboat; HB = Houseboat; CR = Cruisers; HL = Heavy Loads; WD = Weedless

6 - 9.9 HORSEPOWER
Thru Hub Exhaust & 7 Tooth Spline

Parsun® 6 HP 4-Stroke .....All Years
Parsun® 8 HP 4-Stroke .....All Years
Parsun® 9.8 HP 4-Stroke.....All Years
Selva® 8 HP (Ray).....2014 & Newer
Selva® 9.9 HP (Pike) .....2014 & Newer

MATCH MICHIGAN — ALUMINUM PROPELLERS

Boat Description/ Length	Dia.	Rot.	Pitch	Bld #	OEM Part #	CC Part #
General Usage	8-1/2	R	7-1/2	3	6G1-45943-00-00	101-02002

101-02002

Rubber Hub Bushing

9.9 - 15 HORSEPOWER • 2-1/2" GEARCASE
Thru Hub Exhaust & 8 Tooth Spline

Parsun® 9.9 HP 4-Stroke .....All Years
Parsun®15 HP 4-Stroke .....All Years
Parsun® T15 .....All Years
Parsun® T9.9.....All Years
Selva® 9.9XS (Wahoo).....2014 & Newer
Selva® 15 HP (Wahoo) .....2014 & Newer

MATCH MICHIGAN — ALUMINUM PROPELLERS

Boat Description/ Length	Dia.	Rot.	Pitch	Bld #	OEM Part #	CC Part #
14'-20' - HL	9-1/4	R	8	3	63V-45947-00-00	101-02003
14'-19' - AL	9-1/4	R	9	3	63V-45945-10-00	101-02004
14'-19' - AL	9-1/4	R	9-3/4	3	683-45952-00-00	101-02106
14'-16' - AL	9-1/4	R	10-1/2	3	683-45943-00-00	101-02005
Up to 14' - LL	9-1/4	R	12	3	683-45941-00-00	101-02107

101-02003

101-02004

Rubber Hub Bushing

20-25 HORSEPOWER • 3" GEARCASE
Thru Hub Exhaust & 10 Tooth Spline ! **MUST use Gearcase Adapter Ring supplied with propeller.**

Parsun® 20 HP 4-Stroke .....All Years
Parsun® 25 HP 4-Stroke .....All Years
Parsun® T25 .....All Years
Parsun® T20.....All Years
Selva® 25 HP (Kingfish) .....2014 & Newer

VORTEX MICHIGAN — ALUMINUM - E SERIES PROPELLERS

Boat Description/ Length	Dia.	Rot.	Pitch	Bld #	OEM Part #	CC Part #
16'-18' - AL	10-1/2	R	9	3		999-92501
14'-17' - AL	10-1/2	R	10	3		999-92502
14'-17' - AL	10-1/2	R	11	3		999-92503
13'-16' - LL	10-1/8	R	12	3		999-92504
13'-16' - LL	10-1/8	R	13	3		999-92505
13'-16' - LL	10-1/8	R	14	3		999-92506

Drop-In Hub
Use XHS II® Hub Kit 223
Order 999-00223
!

999-12440 - Gearcase Adapter Rings

999-92504
Vortex® XHS® Aluminum Propeller

100-22001

100-22003

MATCH MICHIGAN — ALUMINUM PROPELLERS

Boat Description/ Length	Dia.	Rot.	Pitch	Bld #	OEM Part #	CC Part #
16'-18' - AL	9-7/8	R	9	3	664-45941-01-00	100-22001
15'-17' - AL	9-7/8	R	10-1/2	3	664-45945-00-00	100-22002
14'-16' - AL	9-7/8	R	11-1/4	3	664-45947-10-00	100-22004
13'-16' - LL	9-7/8	R	12	3	664-45954-01-00	100-22003
13'-16' - LL	9-7/8	R	13	3	664-45949-02-00	100-22005
Up to 15' - LL	9-7/8	R	14	3	664-45952-00-00	100-22006
Up to 15' - LL						

BALLISTIC MICHIGAN — STAINLESS STEEL - E SERIES PROPELLERS

Dia.	Rot.	Pitch	Bld #	OEM Part #	CC Part #
10-1/8	R	13	3		✲ 999-33013
10-1/8	R	15	3		✲ 999-33015

Rubber Hub Bushing

Drop-In Hub
Use XHS II® Hub Kit 223
Order 999-00223
!

Note: ✲ **May interfere with trim tab.**

Key to Abbreviations: LL = Light Loads; SB = Sailboat; AL = All Loads; SK = Skiboat; WB = Workboat; HB = Houseboat; CR = Cruisers; HL = Heavy Loads; WD = Weedless

15-60 HORSEPOWER • 3-1/2" GEARCASE

Thru Hub Exhaust & 13 Tooth Spline

Parsun® T35.....All Years

Parsun®T40.....All Years

Selva® 15 XS EFI (Aruana) .....2014 & Newer
Selva® 20 XS (Dorado) .....2014 & Newer
Selva® 25 XS (Dorado) .....2014 & Newer
Selva® 30 XS (Dorado) .....2014 & Newer
Selva® 40 EFI (Aruana).....2014 & Newer
Selva® 50XSR (Dorado).....2014 & Newer
Selva® 60 EFI (Dorado).....2014 & Newer
Selva® 60XSR EFI (Dorado) ..2014 & Newer

VORTEX MICHIGAN

ALUMINUM - D SERIES PROPELLERS

3-BLADE				LG. DIAMETER 3-BLADE				4-BLADE			
Dia.	Rot.	Pitch	CC Part #	Dia.	Rot.	Pitch	CC Part #	Dia.	Rot.	Pitch	CC Part #
								11-1/2	R	8	999-92401
				12-1/4	R	9	999-92601	11-1/2	R	9	999-92402
				11-3/4	R	10	999-92602	11-1/2	R	10	999-92403
10-3/8	R	11	999-92404	11-5/8	R	11	999-92603	4-BLADE			
10-3/8	R	12	999-92405	11-3/8	R	12	999-92604	10-5/8	R	12	999-41212
10-3/8	R	13	999-92406	11-1/8	R	13	999-92605	10-3/8	R	13	999-41213
10-3/8	R	14	999-92407	11-1/4	R	14	999-92606	10-1/8	R	14	999-41214
10	R	15	999-92408					10-1/8	R	15	999-41215
10	R	16	999-92409								

Drop-In Hub

Use XHS II® Hub Kit 217

Order 999-00217

Refer to Pages 1085, 1088, 1089 for Details on Hub Kit Components

APOLLO MICHIGAN

STAINLESS STEEL - D SERIES PROPELLERS

Dia.	Rot.	Pitch	Bld #	OEM Part #	CC Part #
10-3/4	R	12	3	MAR-10512-HR-C0	999-93405
10-1/2	R	13	3	MAR-10513-HR-C0	999-93406
10-3/8	R	14	3	MAR-10514-HR-C0	999-93407
10-1/8	R	15	3	MAR-10515-HR-C0	999-93408

Drop-In Hub

Use XHS II® Hub Kit 217

Order 999-00217

Refer to Pages 1085, 1088, 1089 for Details on Hub Kit Components

MATCH MICHIGAN

ALUMINUM PROPELLERS

Boat Description/ Length	Dia.	Rot.	Pitch	Bld #	OEM Part #	CC Part #
18' & Up - HL	12-1/4	R	9	3	663-45956-01-00	100-32046
17' & Up - HL	11-3/4	R	10	3		100-32045
16'-18' - AL, SK	11-5/8	R	11	3	69W-45947-00-00	100-32044
15'-17' - CUPPED	10-5/8	R	12	3	6H5-45952-00-00	100-31074
15'-17' - AL, SK	11-3/8	R	12	3	69W-45952-00-00	100-32043
14'-17' - CUPPED	10-3/8	R	13	3	6H5-45945-00-00	100-31075
14'-17' - AL, SK	11-1/8	R	13	3	69W-45945-00-00	100-32042
14'-16' - CUPPED	10-1/4	R	14		6H5-45958-00-00	100-31076
14'-16' - LL	11-1/4	R	14	3	69W-45958-00-00	100-32041
12'-14' - LL	11	R	15	3	69W-45943-00-00	100-32040

Rubber Hub Bushing

BALLISTIC MICHIGAN

STAINLESS STEEL - D SERIES PROPELLERS

Dia.	Rot.	Pitch	Bld #	OEM Part #	CC Part #
10-1/8	R	13	3		999-33213
10-1/8	R	15	3		999-33215

Drop-In Hub

Use XHS II® Hub Kit 217

Refer to Pages 1085, 1088, 1089 for Details on Hub Kit Components

Key to Abbreviations: LL = Light Loads; SB = Sailboat; AL = All Loads; SK = Skiboat; WB = Workboat; HB = Houseboat; CR = Cruisers; HL = Heavy Loads; WD = Weedless

30-115 HORSEPOWER • 4-1/4" GEARCASE

Thru Hub Exhaust & 15 Tooth Spline • Replaces Yamaha® "K" Series Propellers

Parsun® T60.....All Years
Parsun® T75.....All Years
Parsun® T85.....All Years
Parsun® T90.....All Years

Selva® 30XS (Marlin).....2014 & Newer
Selva® 40XS (Marlin).....2014 & Newer
Selva® 40XS (Tarpon).....2014 & Newer
Selva® 50XS (Marlin).....2014 & Newer
Selva® 50XS (Murena).....2014 & Newer
Selva® 70XSR EFI (Murena).....2014 & Newer
Selva® 80XS (Marlin).....2014 & Newer
Selva® 100 XS (Marlin).....2014 & Newer
Selva® 115 EFI (Tarpon).....2014 & Newer

VORTEX MICHIGAN

3-BL ALUMINUM - B SERIES

Dia.	Rot.	Pitch	Bld #	CC Part #
14	R	10	3	999-92109
14	R	11	3	999-92111
14	R	13	3	999-92112
13-3/4	R	15	3	999-92113
13-1/4	R	17	3	999-92114
13	R	19	3	999-92115
12-3/4	R	21	3	999-92116

4-BL ALUMINUM - B SERIES

Dia.	Rot.	Pitch	Bld #	CC Part #
13-7/8	R	11	4	999-41411
13-7/8	R	13	4	999-41413
13-3/8	R	15	4	999-41415
13	R	17	4	999-41417
12-1/2	R	19	4	999-41419

Drop-In Hub

Use XHS II® Hub Kit 203 / 208

Order 999-00203 OR Order 999-00208

USE Gearcase Adapter Ring supplied with propeller.

Refer to Pages 1085, 1088, 1089 for Details on Hub Kit Components

APOLLO MICHIGAN

STAINLESS STEEL - B SERIES PROPELLERS

Dia.	Rot.	Pitch	Bld #	OEM Part #	CC Part #
13-3/8	R	15	3		✻ 999-93143
13-3/8	L	15	3		✻ 999-93153
13-1/4	R	17	3	688-45930-02-00	✻ 999-93144
13-1/4	L	17	3	6L6-45930-01-00	✻ 999-93154
13-1/8	R	19	3	688-45970-03-00	✻ 999-93145
13-1/8	L	19	3	6L6-45970-00-00	✻ 999-93155
13	R	21	3	688-45972-02-00	✻ 999-93146
13	L	21	3	6L6-45972-00-00	✻ 999-93156

Drop-In Hub

Use XHS II® Hub Kit 203 / 208

Order 999-00203 OR Order 999-00208

USE Gearcase Adapter Ring supplied with propeller.

Refer to Pages 1085, 1088, 1089 for Details on Hub Kit Components

MATCH MICHIGAN

ALUMINUM PROPELLERS

Boat Description/ Length	Dia.	Rot.	Pitch	Bld #	OEM Part #	CC Part #
25' & Up	14	R	11	3		101-01036
22'-25' - AL	13-5/8	R	13	3	6E5-45949-00-00	101-01031
20'-24' - AL	13-1/2	R	15	3	6E5-45947-00-00	101-01032
17'-19' - AL	13-1/4	R	17	3	6E5-45945-01-00	101-01033
16'-18' - AL	13	R	19	3	6E5-45941-00-00	101-01034
15'-18' - AL	12-5/8	R	21	3		101-01035
High Performance						
High Performance						

Rubber Hub Bushing

BALLISTIC MICHIGAN

STAINLESS STEEL - B SERIES PROPELLERS

3-BLADE BALLISTIC

Dia.	Rot.	Pitch	Bld #	CC Part #
13-5/8	R	15	3	999-33415
13-1/2	R	17	3	999-33417
13-3/8	R	19	3	999-33419
13-1/8	R	21	3	✻ 999-33421

3-BLADE BALLISTIC XL

Dia.	Rot.	Pitch	Bld #	CC Part #
13-1/2	R	22	3	✻ 999-53422
13-1/2	R	24	3	✻ 999-53424

Drop-In Hub

Use XHS II® Hub Kit 203 / 208

USE Gearcase Adapter Ring supplied with propeller.

Refer to Pages 1085, 1088, 1089 for Details on Hub Kit Components

Note: For 115 HP use XHS II® (Drop-In Hub) Kit # 999-00203.
For all other engine applications use XHS II® (Drop-In Hub) Kit # 999-00208.

Note: ✻ Michigan Wheel high performance trim tab P/N 999-90341 is required when using stainless steel propellers.

Key to Abbreviations: LL = Light Loads; SB = Sailboat; AL = All Loads; SK = Skiboat; WB = Workboat; HB = Houseboat; CR = Cruisers; HL = Heavy Loads; WD = Weedless

150-250 HORSEPOWER • 4-3/4" GEARCASE

Thru Hub Exhaust & 15 Tooth Spline • Replaces Yamaha® "M" or "T" Series Propellers

Selva® 150XSR EFI (Killer Whale)..2014 & Newer
Selva® 150 EFI (Killer Whale).....2014 & Newer
Selva® 200 EFI (Grey Whale).....2014 & Newer
Selva® 225 EFI (Fin Whale).....2014 & Newer
Selva® 250 EFI (Blue Whale)..2014 & Newer

VORTEX MICHIGAN

3-BL ALUMINUM - A SERIES					4-BL ALUMINUM - A SERIES				
Dia.	Rot.	Pitch	Bld #	CC Part #	Dia.	Rot.	Pitch	Bld #	CC Part #
16	R	13	3	999-92001					
15-1/4	R	15	3	999-92002					
16	R	16	3	999-31516					
15	R	17	3	999-92003	15	R	16	4	999-92202
14-1/2	R	19	3	999-92004	14-1/2	R	18	4	999-92203
14-1/4	R	21	3	999-92005	14	R	20	4	999-92204
14	R	23	3	999-92006					

Drop-In Hub
Use XHS II® Hub Kit
203
Order 999-00203
Refer to Pages 1085, 1088, 1089 for Details on Hub Kit Components

APOLLO MICHIGAN

STD. 3-BLADE A SERIES				LG DIA. 3-BLADE A SERIES				4-BLADE A SERIES			
Dia.	Rot.	Pitch	CC Part #	Dia.	Rot.	Pitch	CC Part #	Dia.	Rot.	Pitch	CC Part #
14-3/8	R	15	999-93042								
14-3/8	L	15	999-93052								
14-1/4	R	17	999-93043	15-1/2	R	17	999-93023	14-5/8	R	16	999-93203
14-1/4	L	17	999-93053	15-1/2	L	17	999-93033	14-5/8	L	16	999-93213
14-1/8	R	19	999-93044	15-1/4	R	19	999-93024	14-3/8	R	18	999-93204
14-1/8	L	19	999-93054	15-1/4	L	19	999-93034	14-3/8	L	18	999-93214
14	R	21	999-93045	14-3/4	R	21	999-93025	14-1/8	R	20	999-93205
14	L	21	999-93055	14-3/4	L	21	999-93035	14-1/8	L	20	999-93215
13-7/8	R	23	999-93046	14-5/8	R	23	999-93026	14	R	22	999-93206
13-7/8	L	23	999-93056	14-5/8	L	23	999-93036	14	L	22	999-93216

Drop-In Hub
Use XHS II® Hub Kit
203
Order 999-00203
Refer to Pages 1085, 1088, 1089 for Details on Hub Kit Components

MATCH MICHIGAN

Boat Description/ Length	ALUMINUM PROPELLERS					
	Dia.	Rot.	Pitch	Bld #	OEM Part #	CC Part #
20'-22' - AL, SK	15-1/4	R	15	3	6G5-45941-00-00	101-01025
19'-21' - AL, SK	14-1/2	R	17	3	6G5-45947-01-00	101-01027
19'-21' - AL, SK						
18'-20' - AL, SK	14	R	19	3	6G5-45945-01-00	101-01028
18'-20' - AL, SK						
18'-20' - AL, SK	13-3/4	R	21	3	6G5-45943-01-00	101-01029
18'-20' - AL, SK						
Up to 18' - AL, SK						
Up to 18' - AL, SK						
Up to 18' - AL, SK						
High Performance						
High Performance						
High Performance						
High Performance						
High Performance						
High Performance						

Rubber Hub Bushing

BALLISTIC MICHIGAN

STAINLESS STEEL - A SERIES PROPELLERS										
3-BLADE BALLISTIC					3-BLADE BALLISTIC XL				
Dia.	Rot.	Pitch	Bld #	CC Part #	Dia.	Rot.	Pitch	Bld #	CC Part #
14-7/8	R	15	3	999-33515					
14-3/4	R	17	3	999-33517					
14-3/4	L	17	3	999-37517					
14-1/2	R	19	3	999-33519					
14-1/2	L	19	3	999-37519					
14-3/8	R	21	3	999-33521					
14-3/8	L	21	3	999-37521					
14-1/4	R	23	3	999-33523					
14-1/4	L	23	3	999-37523					
14-1/4	R	25	3	999-33525					
					14-3/4	R	22	3 ✠	999-53522
					14-3/4	R	24	3 ✠	999-53524
					14-3/4	R	26	3 ✠	999-53526
					4-BLADE BALLISTIC XL				
					14-1/8	R	23	4 ✠	999-63523
					14-1/8	R	25	4 ✠	999-63525
					14-1/8	R	27	4 ✠	999-63527
					✠ May interfere with trim tab.				

Drop-In Hub
Use XHS II® Hub Kit
203
Order 999-00203
Refer to Pages 1085, 1088, 1089 for Details on Hub Kit Components

Key to Abbreviations: LL = Light Loads; SB = Sailboat; AL = All Loads; SK = Skiboat; WB = Workboat; HB = Houseboat; CR = Cruisers; HL = Heavy Loads; WD = Weedless

MERCRUISER®, ALPHA ONE™, BRAVO ONE™ • 4-3/4" GEARCASE

Thru Hub Exhaust & 15 Tooth Spline

MODELS 1A, 1B, 1C.....Thru 1982
MODELS 120, 140, 145 DTS.....Thru 1982
MODELS 165, 228, 470, 485, 888, 898 ...Thru 1982
MODELS 225S, 233, 255TRS.....Thru 1982
MODELS 260, 280TRS, 330TRS .....Thru 1982
120-190 HP Mercruiser®.....1983-1985
200-260 HP Mercruiser®.....1983-1985

Alpha One™
2.5L - 5.7L Alpha One™ All Years
6.2L MPI Alpha One™ All Years
262, 350, 454 Magnum All Years
320 EFI Alpha One™ All Years

Bravo One™ (Bravo One™ & Bravo One™ X Drives only.)
320 EFI, 350, 377 .....All Years
5.0L - 7.4L Bravo One™ .....All Years
D2.8L - D7.3L (Diesel).....All Years

*For engines 300 HP or higher, use "High Horsepower Sleeve" (P/N 999-13720). **SEE page 1080 for more details.**

VORTEX MICHIGAN

3-BL ALUMINUM - A SERIES

Dia.	Rot.	Pitch	Bld #	CC Part #
16	R	13	3	999-92001
15-1/4	R	15	3	999-92002
16	R	16	3	999-31516
15	R	17	3	999-92003
14-1/2	R	19	3	999-92004
14-1/4	R	21	3	999-92005
14	R	23	3	999-92006

4-BL ALUMINUM - A SERIES

Dia.	Rot.	Pitch	Bld #	CC Part #
15	R	16	4	999-92202
14-1/2	R	18	4	999-92203
14	R	20	4 ✠	999-92204

Drop-In Hub
Use XHS II® Hub Kit
202
Order 999-00202

Refer to Pages 1085, 1088, 1089 for Details on Hub Kit Components

APOLLO MICHIGAN

STD. 3-BLADE A SERIES

Dia.	Rot.	Pitch	CC Part #
14-3/8	R	15 ✠	999-93042
14-3/8	L	15 ✠	999-93052
14-1/4	R	17 ✠	999-93043
14-1/4	L	17 ✠	999-93053
14-1/8	R	19 ✠	999-93044
14-1/8	L	19 ✠	999-93054
14	R	21☞	999-93045
14	L	21☞	999-93055
13-7/8	R	23☞	999-93046
13-7/8	L	23☞	999-93056

LG DIA. 3-BLADE A SERIES

Dia.	Rot.	Pitch	CC Part #
15-1/2	R	17☞	999-93023
15-1/2	L	17☞	999-93033
15-1/4	R	19☞	999-93024
15-1/4	L	19☞	999-93034
14-3/4	R	21☞	999-93025
14-3/4	L	21☞	999-93035
14-5/8	R	23☞	999-93026
14-5/8	L	23☞	999-93036

4-BLADE A SERIES

Dia.	Rot.	Pitch	CC Part #
14-5/8	R	16 ✠	999-93203
14-5/8	L	16 ✠	999-93213
14-3/8	R	18 ✠	999-93204
14-3/8	L	18 ✠	999-93214
14-1/8	R	20 ✠	999-93205
14-1/8	L	20 ✠	999-93215
14	R	22 ✠	999-93206
14	L	22 ✠	999-93216

Drop-In Hub
Use XHS II® Hub Kit
202
Order 999-00202

Refer to Pages 1085, 1088, 1089 for Details on Hub Kit Components

MATCH MICHIGAN

ALUMINUM PROPELLERS

Boat Description/ Length	Dia.	Rot.	Pitch	Bld #	OEM Part #	CC Part #
CR, HB	16	R	13	3	48-78114A45	100-31513
21'-24' - AL						
20'-23' - AL, SK	16	R	16	3	48-16440A45	100-31516
19'-23' - AL, SK	14-1/2	R	17	3	48-78118A40	100-31024
19'-23' - AL, SK	15	R	17	3	48-832828A45	100-31064
19'-22' - AL, SK	15-1/2	R	18	3	48-11324A45	100-31052
18'-22' - AL, SK	14	R	19	3	48-78120A40	100-31025
18'-22' - Al, SK	14-1/2	R	19	3	48-832830A45	100-31065
18'-20' - AL, SK	13-3/4	R	21	3	48-78122A40	100-31026
18'-20' - AL, SK	14-1/4	R	21	3	48-832832A45	100-31066
17'-20' - AL, SK						
17'-20' - AL, SK						
Up to 18'						
High Performance						
High Performance						
High Performance						
High Performance						
High Performance						
High Performance						

Rubber Hub Bushing
(Conductivity Washer, Aft Washer)
or
MWM Kit 999-66011
(Fwd Washer, Conductivity Washer, Aft Washer, Tab Washer, Propeller Nut)

Refer to Page 1059 for Details

BALLISTIC MICHIGAN

STAINLESS STEEL - A SERIES PROPELLERS

3-BLADE BALLISTIC

Dia.	Rot.	Pitch	Bld #	CC Part #
14-7/8	R	15	3 ✠	999-33515
14-3/4	R	17	3 ✠	999-33517
14-3/4	L	17	3 ✠	999-37517
14-1/2	R	19	3 ✠	999-33519
14-1/2	L	19	3 ✠	999-37519
14-3/8	R	21	3 ✠	999-33521
14-3/8	L	21	3 ✠	999-37521
14-1/4	R	23	3 ✠	999-33523
14-1/4	L	23	3 ✠	999-37523
14-1/4	R	25	3 ✠	999-33525

3-BLADE BALLISTIC XL

Dia.	Rot.	Pitch	Bld #	CC Part #
14-3/4	R	22	3 ✠	999-53522
14-3/4	R	24	3 ✠	999-53524
14-3/4	R	26	3 ✠	999-53526

4-BLADE BALLISTIC XL

Dia.	Rot.	Pitch	Bld #	CC Part #
14-1/8	R	23	4 ✠	999-63523
14-1/8	R	25	4 ✠	999-63525
14-1/8	R	27	4 ✠	999-63527

Drop-In Hub
Use XHS II® Hub Kit
202
Order 999-00202

Refer to Pages 1085, 1088, 1089 for Details on Hub Kit Components

Note: ✠ Replace standard trim tab with Michigan Wheel trim tab P/N 999-90404.
☞ These applications will require Michigan Wheel anode plate P/N 999-90405.

Key to Abbreviations: LL = Light Loads; SB = Sailboat; AL = All Loads; SK = Skiboat; WB = Workboat; HB = Houseboat; CR = Cruisers; HL = Heavy Loads; WD = Weedless

BRAVO ONE™ • OVER 365 HP • (SOLID HUB) • 4-3/4" GEARCASE

Thru Hub Exhaust & 15 Tooth Spline

454 Magnum (385 HP) ..... 1995 & Newer
496 Magnum (375 HP) ..... All Years
496 Magnum H.O. (425 HP) ..... All Years
502 Magnum (390-415 HP) ..... 1990 & Newer
450 HP 1995
465 HP ..... 1991 & 1994

APOLLO MICHIGAN

BALLISTIC MICHIGAN

APOLLO MICHIGAN

STD. 3-BLADE A SERIES				LG DIA. 3-BLADE A SERIES				4-BLADE A SERIES			
Dia.	Rot.	Pitch	CC Part #	Dia.	Rot.	Pitch	CC Part #	Dia.	Rot.	Pitch	CC Part #
14-3/8	R	15 ✻	999-93042								
14-3/8	L	15 ✻	999-93052								
14-1/4	R	17 ✻	999-93043	15-1/2	R	17 ⌔	999-93023	14-5/8	R	16 ✻	999-93203
14-1/4	L	17 ✻	999-93053	15-1/2	L	17 ⌔	999-93033	14-5/8	L	16 ✻	999-93213
14-1/8	R	19 ✻	999-93044	15-1/4	R	19 ⌔	999-93024	14-3/8	R	18 ✻	999-93204
14-1/8	L	19 ✻	999-93054	15-1/4	L	19 ⌔	999-93034	14-3/8	L	18 ✻	999-93214
14	R	21 ⌔	999-93045	14-3/4	R	21 ⌔	999-93025	14-1/8	R	20 ✻	999-93205
14	L	21 ⌔	999-93055	14-3/4	L	21 ⌔	999-93035	14-1/8	L	20 ✻	999-93215
13-7/8	R	23 ⌔	999-93046	14-5/8	R	23 ⌔	999-93026	14	R	22 ✻	999-93206
13-7/8	L	23 ⌔	999-93056	14-5/8	L	23 ⌔	999-93036	14	L	22 ✻	999-93216

Drop-In Hub

Use XHS II® Hub Kit **202SH**

Order 999-00202SH

Refer to Pages 1085, 1088, 1089 for Details on Hub Kit Components

999-90404

999-90405

BALLISTIC MICHIGAN

STAINLESS STEEL - A SERIES PROPELLERS									
3-BLADE BALLISTIC					3-BLADE BALLISTIC XL				
Dia.	Rot.	Pitch	Bld #	CC Part #	Dia.	Rot.	Pitch	Bld #	CC Part #
14-7/8	R	15	3 ✻	999-33515					
14-3/4	R	17	3 ✻	999-33517					
14-3/4	L	17	3 ✻	999-37517					
14-1/2	R	19	3 ✻	999-33519					
14-1/2	L	19	3 ✻	999-37519					
14-3/8	R	21	3 ✻	999-33521					
14-3/8	L	21	3 ✻	999-37521					
14-1/4	R	23	3 ✻	999-33523					
14-1/4	L	23	3 ✻	999-37523					
14-1/4	R	25	3 ✻	999-33525					
					14-3/4	R	22	3 ✻	999-53522
					14-3/4	R	24	3 ✻	999-53524
					14-3/4	R	26	3 ✻	999-53526

Drop-In Hub

Use XHS II® Hub Kit **202SH**

Order 999-00202SH

Refer to Pages 1085, 1088, 1089 for Details on Hub Kit Components

Note: ✻ Replace standard trim tab with Michigan Wheel trim tab P/N 999-90404.
⌔ These applications will require Michigan Wheel anode plate P/N 999-90405.

BRAVO II™ • (BRAVO BRASS DRIVE) • 4-3/4" GEARCASE

Thru Hub Exhaust & 19 Tooth Spline

4.3 L (155-250 HP) ..... 1996 & Newer
5.7 L (210-300 HP) ..... 1993 & Newer
7.4 L (300-385 HP) ..... 1990 & Newer
496 Magnum (375-425 HP) ..... 2001 & Newer
D2.8 L (150 HP) ..... 1997 & Newer
D4.2 L (200-250 HP) ..... 1996 & Newer

MATCH MICHIGAN

Boat Description/ Length	ALUMINUM PROPELLERS					
	Dia.	Rot.	Pitch	Bld #	OEM Part #	CC Part #
28'- 32' (21-31 MPH)	18-3/4	R	17	3	48-18612A40	100-81612
28'- 32' (21-31 MPH)	18-3/4	L	17	3	48-18613A40	100-81613
26'- 30' (32-36 MPH)	18-1/4	R	19	3	48-18614A40	100-81614
26'- 30' (32-36 MPH)	18-1/4	L	19	3	48-18615A40	100-81615
25'- 28' (35-40 MPH)	17-3/4	R	21	3	48-18616A40	100-81616
25'- 28' (35-40 MPH)	17-3/4	L	21	3	48-18617A40	100-81617
24'- 27' (39-44 MPH)	17-1/2	R	23	3	48-18618A40	100-81618
24'- 27' (39-44 MPH)	17-1/2	L	23	3	48-18619A40	100-81619

100-81614

Rubber Hub Bushing

Note: Part numbers and availability may differ in European market.

MODEL 400, COBRA® • 4-1/4" GEARCASE
Thru Hub Exhaust & 13 Tooth Spline

Model 400
2.3 L (120 HP) ..... Thru 1991
2.5 L (120 HP) 1978-1984
3.0 L (140 HP) ..... Thru 1989

Cobra®
2.3 L (128 HP) 1988-1991
2.5 L (120 HP) 1985-1987
3.0 L (140 HP) 1985-1987

VORTEX MICHIGAN

3-BL ALUMINUM - B SERIES					4-BL ALUMINUM - B SERIES				
Dia.	Rot.	Pitch	Bld #	CC Part #	Dia.	Rot.	Pitch	Bld #	CC Part #
14	R	10	3	999-92109					
14	R	11	3	999-92111	13-7/8	R	11	4	999-41411
14	R	13	3	999-92112	13-7/8	R	13	4	999-41413
13-3/4	R	15	3	999-92113	13-3/8	R	15	4	999-41415
13-1/4	R	17	3	999-92114	13	R	17	4	999-41417
13	R	19	3	999-92115	12-1/2	R	19	4	999-41419
12-3/4	R	21	3	999-92116					

Drop-In Hub
Use XHS II® Hub Kit
206
Order 999-00206
do NOT use Gearcase Adapter Ring supplied with propeller.
Refer to Pages 1085, 1088, 1089 for Details on Hub Kit Components

APOLLO MICHIGAN

STAINLESS STEEL - B SERIES PROPELLERS					
Dia.	Rot.	Pitch	Bld #	OEM Part #	CC Part #
13-3/8	R	15	3		999-93143
13-3/8	L	15	3		999-93153
13-1/4	R	17	3		999-93144
13-1/4	L	17	3		999-93154
13-1/8	R	19	3		999-93145
13-1/8	L	19	3		999-93155
13	R	21	3		999-93146
13	L	21	3		999-93156

Drop-In Hub
Use XHS II® Hub Kit
206
Order 999-00206
Do NOT use Gearcase Adapter Ring supplied with propeller.
Refer to Pages 1085, 1088, 1089 for Details on Hub Kit Components

MATCH MICHIGAN

Boat Description/ Length	ALUMINUM PROPELLERS					
	Dia.	Rot.	Pitch	Bld #	OEM Part #	CC Part #
CR, HB	14	R	11	3	763301	100-12047
19'-22' - AL, SK	14	R	13	3	763302	100-11001
17'-19' - AL, SK	13-3/4	R	15	3	763466	100-11002
15'-17' - AL, SK	13-1/4	R	17	3	763463	100-11003
15'-17' - AL, SK	14	R	17	3	763463	100-11024
14'-16' - AL	13	R	19	3	763464	100-11004
14'-16' - AL, SK	14	R	19	3	763464	100-11025
13'-15' - AL, SK	12-3/4	R	21	3	763465	100-11005

Rubber Hub Bushing

BALLISTIC MICHIGAN

STAINLESS STEEL - B SERIES PROPELLERS					
Dia.	Rot.	Pitch	Bld #	OEM Part #	CC Part #
13-5/8	R	15	3		999-33415
13-1/2	R	17	3		999-33417
13-3/8	R	19	3		999-33419
13-1/8	R	21	3		999-33421

Drop-In Hub
Use XHS II® Hub Kit
206
Order 999-00206
Do NOT use Gearcase Adapter Ring supplied with propeller.
Refer to Pages 1085, 1088, 1089 for Details on Hub Kit Components

SEA DRIVE® 1982 & NEWER • 4-1/4" GEARCASE
Thru Hub Exhaust & 13 Tooth Spline

1.6 L V-4 ..... 1982 & Newer
1.8 L V-4 ..... 1987 & Newer
For twin installations increase pitch 2".

MATCH MICHIGAN

Boat Description/ Length	ALUMINUM PROPELLERS					
	Dia.	Rot.	Pitch	Bld #	OEM Part #	CC Part #
CR, HB	14	R	11	3	763301	100-12047
19'-22' - AL	14	R	13	3	763302	100-11001
17'-19' - AL	13-3/4	R	15	3	763466	100-11002
15'-17' - AL	13-1/4	R	17	3	763463	100-11003
15'-17' - AL, SK	14	R	17	3	763463	100-11024
14'-16' - AL	13	R	19	3	763464	100-11004
14'-16' - AL, SK	14	R	19	3	763464	100-11025
13'-15' - AL, SK	13	R	21	3	763465	100-11005

100-11003

100-11024

Rubber Hub Bushing

Key to Abbreviations: LL = Light Loads; SB = Sailboat; AL = All Loads; SK = Skiboat; WB = Workboat; HB = Houseboat; CR = Cruisers; HL = Heavy Loads; WD = Weedless

MODEL 800, KING COBRA®, COBRA®, SEA DRIVE® • 4-3/4" GEARCASE
Thru Hub Exhaust & 15 Tooth Spline

3.0 L 1990-1993
3.2 L (Diesel) 1992-1993
3.8 L 1978-1985
4.3 L 1985-1993
5.0 L.....1978-1993
5.7 L.....1978-1993
5.8 L (Cobra®) 1989-1993
5.8 L (King Cobra®) 1992-1994
7.4 L.....1990-1993
7.5 L 1987-1990
8.2 L.....1992-1993
Sea Drive® 2.0 L - 4.0 L .....All Years

Includes H.O. and EFI Models

Note: For SX Drive, see Volvo Penta section SEE PAGE 1083.

VORTEX MICHIGAN

3-BL ALUMINUM - A SERIES					4-BL ALUMINUM - A SERIES				
Dia.	Rot.	Pitch	Bld #	CC Part #	Dia.	Rot.	Pitch	Bld #	CC Part #
16	R	13	3	999-92001					
15-1/4	R	15	3	999-92002					
16	R	16	3	999-31516					
15	R	17	3	999-92003	15	R	16	4	999- 92202
14-1/2	R	19	3	999-92004	14-1/2	R	18	4	999-92203
14-1/4	R	21	3	999-92005	14	R	20	4	999-92204
14	R	23	3	999-92006					

Drop-In Hub
Use XHS II® Hub Kit 200 / 201
Order 999-00200 /999-00201
Refer to Pages 1085, 1088, 1089 for Details on Hub Kit Components

APOLLO MICHIGAN

STD. 3-BLADE A SERIES				LG DIA. 3-BLADE A SERIES				4-BLADE A SERIES			
Dia.	Rot.	Pitch	CC Part #	Dia.	Rot.	Pitch	CC Part #	Dia.	Rot.	Pitch	CC Part #
14-3/8	R	15	999-93042								
14-3/8	L	15	999-93052								
14-1/4	R	17	999-93043	15-1/2	R	17	999-93023	14-5/8	R	16	999-93203
14-1/4	L	17	999-93053	15-1/2	L	17	999-93033	14-5/8	L	16	999-93213
14-1/8	R	19	999-93044	15-1/4	R	19	999-93024	14-3/8	R	18	999-93204
14-1/8	L	19	999-93054	15-1/4	L	19	999-93034	14-3/8	L	18	999-93214
14	R	21	999-93045	14-3/4	R	21	999-93025	14-1/8	R	20	999-93205
14	L	21	999-93055	14-3/4	L	21	999-93035	14-1/8	L	20	999-93215
13-7/8	R	23	999-93046	14-5/8	R	23	999-93026	14	R	22	999-93206
13-7/8	L	23	999-93056	14-5/8	L	23	999-93036	14	L	22	999-93216

Drop-In Hub
Use XHS II® Hub Kit 200 / 201
Order 999-00200 /999-00201
Refer to Pages 1085, 1088, 1089 for Details on Hub Kit Components

MATCH MICHIGAN — ALUMINUM PROPELLERS

Boat Description/ Length	Dia.	Rot.	Pitch	Bld #	OEM Part #	CC Part #
Non-Plane Heavy CR	15-1/2	R	13	3	763453	100-11016
22'-28' (22-32 MPH)	15-1/2	R	15	3	763471	100-11006
19'-26' (28-39 MPH)						
18'-26' (30-46 MPH)	15	R	17	3	763467	100-11007
18'-26' (30-46 MPH)						
17'-24' (36-52 MPH)	14-1/2	R	19	3	763468	100-11008
17'-24' (36-52 MPH)						
16'-22' (40-60 MPH)	14-1/4	R	21	3	763469	100-11009
16'-22' (40-60 MPH)						
15'-20' (45-66 MPH)						
15'-20' (45-66 MPH)						
Hi Perf. (50-66 MPH)						

Rubber Hub Bushing

BALLISTIC MICHIGAN — STAINLESS STEEL - A SERIES PROPELLERS

Dia.	Rot.	Pitch	Bld #	OEM Part #	CC Part #
14-7/8	R	15	3		999-33515
14-3/4	R	17	3		999-33517
14-3/4	L	17	3		999-37517
14-1/2	R	19	3		999-33519
14-1/2	L	19	3		999-37519
14-3/8	R	21	3		999-33521
14-3/8	L	21	3		999-37521
14-1/4	R	23	3		999-33523
14-1/4	L	23	3		999-37523
14-1/4	R	25	3		999-33525

Drop-In Hub
Use XHS II® Hub Kit 200 / 201
Order 999-00200 /999-00201
Refer to Pages 1085, 1088, 1089 for Details on Hub Kit Components

Note: For engine applications 1976-1990 use XHS II® (Drop-In Hub) Kit # 999-00201.
For engine applications 1991 & Newer use XHS II® (Drop-In Hub) Kit # 999-00200.

MODEL 14 LARGE GEARCASE 1967-1977
Non-Thru Hub Exhaust & Pin Drive

Suggestion: For twin installation increase pitch 2".
HP Range: 100-245

MATCH MICHIGAN — ALUMINUM PROPELLERS

Boat Description/ Length	Dia.	Rot.	Pitch	Bld #	OEM Part #	CC Part #
HP Range: 100-245	14	R	14	3	381185	100-12091
HP Range: 100-245	14	R	16	3	381186	100-12092

100-12091

Rubber Hub Bushing

Key to Abbreviations: LL = Light Loads; SB = Sailboat; AL = All Loads; SK = Skiboat; WB = Workboat; HB = Houseboat; CR = Cruisers; HL = Heavy Loads; WD = Weedless

SX COBRA™, VOLVO PENTA SX • 4-3/4" GEARCASE
Thru Hub Exhaust & 19 Tooth Spline

3.0 L ..... 1994 & Newer
4.3 L ..... 1994 & Newer
5.0 L ..... 1994 & Newer
5.7 L ..... 1994 & Newer
5.8 L 1994-1997
7.4 L ..... 1997 & Newer
8.2 L 1997

VORTEX MICHIGAN

3-BL ALUMINUM - A SERIES					4-BL ALUMINUM - A SERIES				
Dia.	Rot.	Pitch	Bld #	CC Part #	Dia.	Rot.	Pitch	Bld #	CC Part #
16	R	13	3	999-92001					
15-1/4	R	15	3	999-92002					
16	R	16	3	999-31516					
15	R	17	3	999-92003	15	R	16	4	999-92202
14-1/2	R	19	3	999-92004	14-1/2	R	18	4	999-92203
14-1/4	R	21	3	999-92005	14	R	20	4	999-92204
14	R	23	3	999-92006					

Drop-In Hub
Use XHS II® Hub Kit **205**
Order 999-00205
Refer to Pages 1085, 1088, 1089 for Details on Hub Kit Components

APOLLO MICHIGAN

STD. 3-BLADE A SERIES				LG DIA. 3-BLADE A SERIES				4-BLADE A SERIES			
Dia.	Rot.	Pitch	CC Part #	Dia.	Rot.	Pitch	CC Part #	Dia.	Rot.	Pitch	CC Part #
14-3/8	R	15	999-93042								
14-3/8	L	15	999-93052								
14-1/4	R	17	999-93043	15-1/2	R	17	999-93023	14-5/8	R	16	999-93203
14-1/4	L	17	999-93053	15-1/2	L	17	999-93033	14-5/8	L	16	999-93213
14-1/8	R	19	999-93044	15-1/4	R	19	999-93024	14-3/8	R	18	999-93204
14-1/8	L	19	999-93054	15-1/4	L	19	999-93034	14-3/8	L	18	999-93214
14	R	21	999-93045	14-3/4	R	21	999-93025	14-1/8	R	20	999-93205
14	L	21	999-93055	14-3/4	L	21	999-93035	14-1/8	L	20	999-93215
13-7/8	R	23	999-93046	14-5/8	R	23	999-93026	14	R	22	999-93206
13-7/8	L	23	999-93056	14-5/8	L	23	999-93036	14	L	22	999-93216

Drop-In Hub
Use XHS II® Hub Kit **205**
Order 999-00205
Refer to Pages 1085, 1088, 1089 for Details on Hub Kit Components

MATCH MICHIGAN

Boat Description/ Length	ALUMINUM PROPELLERS					
	Dia.	Rot.	Pitch	Bld #	OEM Part #	CC Part #
24'-25' (26-36 MPH)	15-1/2	R	15	3	3850299	101-61001
22'-27' (34-44 MPH)	15	R	17	3	3850300	101-61002
22'-27' (33-44 MPH)						
19'-25' (39-50 MPH)	14-1/2	R	19	3	3850301	101-61003
19'-25' (39-50 MPH)						
17'-22' (39-50 MPH)	14-1/4	R	21	3	3850302	101-61004
17'-22' (39-50 MPH)						
17'-20' (44-57 MPH)						
17'-20' (44-57 MPH)						

Rubber Hub Bushing

BALLISTIC MICHIGAN

STAINLESS STEEL - A SERIES PROPELLERS					
Dia.	Rot.	Pitch	Bld #	OEM Part #	CC Part #
14-7/8	R	15	3		999-33515
14-3/4	R	17	3		999-33517
14-3/4	L	17	3		999-37517
14-1/2	R	19	3		999-33519
14-1/2	L	19	3		999-37519
14-3/8	R	21	3		999-33521
14-3/8	L	21	3		999-37521
14-1/4	R	23	3		999-33523
14-1/4	L	23	3		999-37523

Drop-In Hub
Use XHS II® Hub Kit **205**
Order 999-00205
Refer to Pages 1085, 1088, 1089 for Details on Hub Kit Components

NEW DUOPROP™ TYPE A & B • DP280, 290 DRIVES
Gasoline and Diesel Engines

MATCH MICHIGAN

Propeller Series	ALUMINUM PROPELLERS				
	OEM	Front Part #	OEM	Rear Part #	
Type B3	854824	100-86008	854832	100-86009	
Type B4	854825	100-86011	854833	100-86012	
Type B5	854826	100-86014	854834	100-86015	
Type B6	854827	100-86017	854835	100-86018	
Type B7	854828	100-86020	854836	100-86021	

YAMAHA STERNDRIVES • 4-3/4" GEARCASE

Thru Hub Exhaust & 15 Tooth Spline

3.0 L (130 HP) EST/PSR 1989-1993
4.3 L (205 HP) EST/PSR/YEMS 1989-1993
5.0 L (205 HP) EST/PSR/YEMS 1989-1993
5.7 L (260 HP) EST/PSR/YEMS 1989-1993
7.4 L (300 HP*) Hydra Drive EST 1992-1993
*For engines 300 HP or higher, use "High Horsepower Sleeve" (P/N 999-13720). **SEE Page 1080 for more details.**

VORTEX MICHIGAN

3-BL ALUMINUM - A SERIES					4-BL ALUMINUM - A SERIES				
Dia.	Rot.	Pitch	Bld #	CC Part #	Dia.	Rot.	Pitch	Bld #	CC Part #
16	R	13	3	999-92001					
15-1/4	R	15	3	999-92002					
16	R	16	3	999-31516					
15	R	17	3	999-92003	15	R	16	4	999-92202
14-1/2	R	19	3	999-92004	14-1/2	R	18	4	999-92203
14-1/4	R	21	3	999-92005	14	R	20	4	999-92204
14	R	23	3	999-92006					

Drop-In Hub
Use XHS II® Hub Kit
203
Order 999-00203
Refer to Pages 1085, 1088, 1089 for Details on Hub Kit Components

APOLLO MICHIGAN

STD. 3-BLADE A SERIES				LG DIA. 3-BLADE A SERIES				4-BLADE A SERIES			
Dia.	Rot.	Pitch	CC Part #	Dia.	Rot.	Pitch	CC Part #	Dia.	Rot.	Pitch	CC Part #
14-3/8	R	15	999-93042								
14-3/8	L	15	999-93052								
14-1/4	R	17	999-93043	15-1/2	R	17	999-93023	14-5/8	R	16	999-93203
14-1/4	L	17	999-93053	15-1/2	L	17	999-93033	14-5/8	L	16	999-93213
14-1/8	R	19	999-93044	15-1/4	R	19	999-93024	14-3/8	R	18	999-93204
14-1/8	L	19	999-93054	15-1/4	L	19	999-93034	14-3/8	L	18	999-93214
14	R	21	999-93045	14-3/4	R	21	999-93025	14-1/8	R	20	999-93205
14	L	21	999-93055	14-3/4	L	21	999-93035	14-1/8	L	20	999-93215
13-7/8	R	23	999-93046	14-5/8	R	23	999-93026	14	R	22	999-93206
13-7/8	L	23	999-93056	14-5/8	L	23	999-93036	14	L	22	999-93216

Drop-In Hub
Use XHS II® Hub Kit
203
Order 999-00203
Refer to Pages 1085, 1088, 1089 for Details on Hub Kit Components

MATCH MICHIGAN

Boat Description/ Length	ALUMINUM PROPELLERS					
	Dia.	Rot.	Pitch	Bld #	OEM Part #	CC Part #
21'-26' (18-31 MPH)	15-1/4	R	15	3	6G5-45941-00-98	101-01025
19'-23' (27-37 MPH)	14-1/2	R	17	3	6G5-45947-01-98	101-01027
19'-23' (27-37 MPH)						
17'-21' (33-42 MPH)	14	R	19	3	6G5-45945-01-98	101-01028
17'-21' (33-42 MPH)						
18'-19' (37-46 MPH)	13-3/4	R	21	3	6G5-45943-01-98	101-01029
18'-19' (37-46 MPH)						
17'-19' (39-48 MPH)						
17'-19' (39-48 MPH)						

Rubber Hub Bushing

BALLISTIC MICHIGAN

STAINLESS STEEL - A SERIES PROPELLERS					
Dia.	Rot.	Pitch	Bld #	OEM Part #	CC Part #
14-7/8	R	15	3		999-33515
14-3/4	R	17	3		999-33517
14-3/4	L	17	3		999-37517
14-1/2	R	19	3		999-33519
14-1/2	L	19	3		999-37519
14-3/8	R	21	3		999-33521
14-3/8	L	21	3		999-37521
14-1/4	R	23	3		999-33523
14-1/4	L	23	3		999-37523

Drop-In Hub
Use XHS II® Hub Kit
203
Refer to Pages 1085, 1088, 1089 for Details on Hub Kit Components

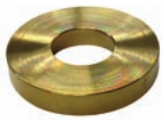
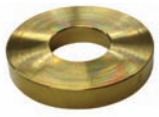
MATCH MICHIGAN

VORTEX MICHIGAN

APOLLO MICHIGAN

BALLISTIC MICHIGAN

Key to Abbreviations: LL = Light Loads; SB = Sailboat; AL = All Loads; SK = Skiboat; WB = Workboat; HB = Houseboat; CR = Cruisers; HL = Heavy Loads; WD = Weedless

	999-66010 Michigan P/N 9660-1	999-66011 Michigan P/N 9661-1	999-90312 Michigan P/N 990312	 999-90332 Michigan P/N 990332	Michigan P/N 990340
999-90341 Michigan P/N 990341	999-90344 Michigan P/N 990344	999-90346 Michigan P/N 990346	 Michigan P/N 990347	999-90348 Michigan P/N 990348	999-90404 Michigan P/N 990404
999-90405 Michigan P/N 990405	999-90406 Michigan P/N 990406	999-90407 Michigan P/N 990407	999-12020 Michigan P/N 991202	999-12030 Michigan P/N 991203	999-12040 Michigan P/N 991204
999-12050 Michigan P/N 991205	999-12060 Michigan P/N 991206	999-12070 Michigan P/N 991207	999-12080 Michigan P/N 991208	999-12090 Michigan P/N 991209	999-12100 Michigan P/N 991210
999-12110 Michigan P/N 991211	999-12120 Michigan P/N 991212	999-12130 Michigan P/N 991213	999-12140 Michigan P/N 991214	999-12150 Michigan P/N 991215	999-12160 Michigan P/N 991216
999-15010 Michigan P/N 991501	999-12260 Michigan P/N 991226	999-12270 Michigan P/N 991227	999-12280 Michigan P/N 991228	999-12290 Michigan P/N 991229	999-12300 Michigan P/N 991230
999-12320 Michigan P/N 991232	999-12330 Michigan P/N 991233	999-12340 Michigan P/N 991234	999-12350 Michigan P/N 991235	999-12360 Michigan P/N 991236	999-12370 Michigan P/N 991237
999-12380 Michigan P/N 991238	999-12390 Michigan P/N 991239	999-12400 Michigan P/N 991240	999-12410 Michigan P/N 991241	999-12420 Michigan P/N 991242	999-12430 Michigan P/N 991243
999-12440 Michigan P/N 991244	999-12470 Michigan P/N 991247	999-12530 Michigan P/N 991253	999-12730 Michigan P/N 991273	999-13010 Michigan P/N 991301	999-13120 Michigan P/N 991312
		999-13160 Michigan P/N 991316	999-13720 Michigan P/N 991372		

RUBBER HUB ATTACHMENT HARDWARE

C.C. Part Number	Description	Engine Applications
999-90577	Forward Thrust Washer	HONDA 8-20 HP
999-90578	Forward Thrust Washer	HONDA 25-30 HP
999-90579	Forward Thrust Washer	HONDA 35-60 HP
999-90580	Forward Thrust Washer	HONDA 75-130 HP
999-90581	Forward Thrust Washer	HONDA 115-250 HP
999-90582	Forward Thrust Washer	NISSAN/TOHATSU 9.9-20 HP
999-90583	Forward Thrust Washer	NISSAN/TOHATSU 25-30 HP
999-90584	Forward Thrust Washer	NISSAN/TOHATSU 35-55 HP
999-90585	Forward Thrust Washer	SUZUKI 9.9-20 HP
999-90586	Forward Thrust Washer	SUZUKI 20-30 HP
999-90587	Forward Thrust Washer	SUZUKI 40-65 HP
999-90588	Forward Thrust Washer	SUZUKI V4 4-STROKE
999-90589	Forward Thrust Washer	YAMAHA "J" 9.9-15 HP
999-90590	Forward Thrust Washer	YAMAHA "F" 20-30 HP
999-90591	Forward Thrust Washer	YAMAHA "G" 40-60 HP
999-90592	Forward Thrust Washer	YAMAHA "K" 60-100 HP
999-90593	Forward Thrust Washer	YAMAHA "M" 115-300 HP

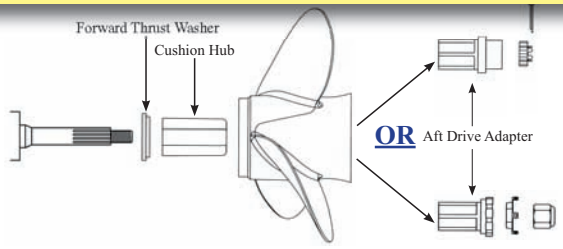
RUBBER HUB ATTACHMENT HARDWARE

C.C. Part Number	Description	Engine Applications	Prop Nut	Flat Washer	Spacer Washer	Cotter Pin
999-90754	Aft Hardware Kit	HONDA 8-20 HP / YAMAHA "J" 9.9-15 HP			-	
999-90755	Aft Hardware Kit	HONDA 25-30 HP			-	
999-90756	Aft Hardware Kit	HONDA 35-60 HP				
999-90757	Aft Hardware Kit	HONDA 75-130 HP			-	
999-90758	Aft Hardware Kit	HONDA 115-250 HP				
999-90759	Aft Hardware Kit	NISSAN/TOHATSU 9.9-20 HP			-	
999-90760	Aft Hardware Kit	NISSAN/TOHATSU 25-30 HP			-	
999-90761	Aft Hardware Kit	NISSAN/TOHATSU 35-55 HP				
999-90762	Aft Hardware Kit	SUZUKI 9.9-15 HP				
999-90763	Aft Hardware Kit	SUZUKI DF 15A/20A HP			-	
999-90764	Aft Hardware Kit	SUZUKI 20-30 HP				
999-90765	Aft Hardware Kit	SUZUKI 40-65 HP				
999-90766	Aft Hardware Kit	SUZUKI V4 4-STROKE				
999-90767	Aft Hardware Kit	YAMAHA "F" 20-30 HP				
999-90768	Aft Hardware Kit	YAMAHA "G" 40-60 HP				
999-90769	Aft Hardware Kit	YAMAHA "K" 60-100 HP				
999-90770	Aft Hardware Kit	YAMAHA "M" 115-300 HP				

XHS II® PROPELLER ACCESSORIES

C.C.PART NO.	Hub Kit	Description	C.C.PART NO.	Part No.	Description
999-00211	211	Evinrude®/Johnson® Outboards (3-3/8" Gearcase • 40-75 HP)	999-12470 999-12320 999-15010	991247 991232 991501	Forward Thrust Washer Aft Drive Adapter Urethane Cushion Hub
999-00212	212	Nissan®/Tohatsu® Outboards (3-1/4" Gearcase • 50-70 HP)	999-12730 999-12320 999-15010	991273 991232 991501	Forward Thrust Washer Aft Drive Adapter Urethane Cushion Hub
999-00213	213	Honda® Outboards (3-1/4" Gearcase • 35-60 HP)	999-12340 999-12270 999-15010	991234 991227 991501	Forward Thrust Washer Aft Drive Adapter Urethane Cushion Hub
999-00214	214	Mercury®/Mariner®/Force® Outboards (3-1/4" Gearcase • 25-70 HP)	999-12360 999-12270 999-15010	991236 991227 991501	Forward Thrust Washer Aft Drive Adapter Urethane Cushion Hub
999-00215	215	Suzuki® Outboards (3-1/4" Gearcase • 35-65 HP)	999-12390 999-12320 999-15010	991239 991232 990337* 991501	Forward Thrust Washer Aft Drive Adapter (2) - Washer SS 32 x 19.2 x 2.5 mm Urethane Cushion Hub
999-00216	216	Nissan®/Tohatsu® Outboards (3-1/4" Gearcase • 35-50 HP)	999-12410 999-12270 999-15010	991241 991227 990338* 991501	Forward Thrust Washer Aft Drive Adapter (2) - Washer SS 17 x 30 x 2.5 mm Urethane Cushion Hub
999-00217	217	Yamaha® Outboards (3-1/4" Gearcase • 30-60 HP)	999-12430 999-12270 999-15010	991243 991227 990338* 991501	Forward Thrust Washer Aft Drive Adapter (1) - Washer SS 17 x 30 x 2.5 mm Urethane Cushion Hub
999-00218	218	Evinrude®/Johnson® Outboard (3" Gearcase • 20-35 HP)	999-12370 999-12290 999-15010	991237 991229 991501	Forward Thrust Washer Aft Drive Adapter Urethane Cushion Hub
999-00219	219	Honda® Outboards (3" Gearcase • 25 & 30 HP 4-Stroke Applications)	999-12330 999-12260 999-15010	991233 991226 991501	Forward Thrust Washer Aft Drive Adapter Urethane Cushion Hub
999-00220	220	Mercury®/Mariner®/Force® Outboards (3" Gearcase • 9.9-25 HP)	999-12350 999-12280 999-15010	991235 991228 991501	Forward Thrust Washer Aft Drive Adapter Urethane Cushion Hub
999-00221	221	Suzuki® Outboards (3" Gearcase • 25-30 HP) Evinrude®/Johnson® Outboards (3" Gearcase • 25 HP 4-Stroke & 30 HP 4-Stroke; 2004-2007)	999-12380 999-12300 999-15010	991238 991230 990338* 991501	Forward Thrust Washer Aft Drive Adapter (1) - Washer SS 17 x 30 x 2.5 mm Urethane Cushion Hub
999-00222	222	Nissan®/Tohatsu® Outboards (3" Gearcase • 25-30 HP) Mercury®/Mariner®/Sea Ray® Outboards (3" Gearcase • 25 & 30 HP 4-Stroke - Not Bigfoot Applications)	999-12400 999-12260 999-15010	991240 991226 991501	Forward Thrust Washer Aft Drive Adapter Urethane Cushion Hub
999-00223	223	Yamaha® Outboards (3" Gearcase • 20-30 HP)	999-12420 999-12300 999-03380 999-15010	991242 991230 990338* 991501	Forward Thrust Washer Aft Drive Adapter (1) - Washer SS 17 x 30 x 2.5 mm Urethane Cushion Hub
		XHS II Standard Cushion Hub	999-13010	991301	Delrin Cushion Hub
		XHS II High Horsepower Inner Hub (Mercury® #850821A2)	999-13720	991372	Solid Hub
		V4 Gearcase Adapter Ring (3-Blade Propellers Only)	999-12160	991216	V4 Adapter Ring (3-Blade)
		V4 Gearcase Adapter Ring (4-Blade Propellers Only)	999-13160	991316	V4 Adapter Ring (4-Blade)
		20-30 Horsepower Gearcase Adapter Ring	999-12440	991244	Package Includes All Three Sizes
		XHS 9.9 HP - 70 HP Standard Cushion Hub	999-15010	991501	Urethane Cushion Hub

For details, contact **MWM Customer Service at 800-369-4335**.



C.C.PART NO.	Hub Kit	Description	C.C.PART NO.	Part No.	Description
999-00200	200	Evinrude®/Johnson® Outboards - OMC® Sterndrive	999-12020	991202	Forward Thrust Washer
		(V6/V8 Gearcase • 1991 to Present)	999-12030	991203	Aft Drive Adapter
999-00200SH	200SH	V4/V6 HIGH HP Hub Kit	999-13010	991301	Cushion Hub
999-00201	201	Evinrude®/Johnson® Outboards - OMC® Sterndrive	999-12040	991204	Forward Thrust Washer
		(V6/V8 Gearcase • 1984-1990)	999-12030	991203	Aft Drive Adapter
999-00201SH	201SH	V4/V6 HIGH HP Hub Kit	999-13010	991301	Cushion Hub
999-00202	202	Mercruiser® Alpha One® & Bravo One® (Less than 400 HP)	999-12040	991204	Forward Thrust Washer
		Mercury®/Mariner®/Sea Ray 40-140 HP	999-03440	990344	Tab Washer
		Mercury®/Mariner®/Sea ray 135-300 HP	999-12050	991205	Aft Drive Adapter
		Force® 85-150 HP (Dual Exhaust Units)	999-03460	990346	Propeller Nut
		Force® 75-150 HP (Mercury® 4-1/4" Gearcase)	999-13010	991301	
		Honda® Outboards 70-90 HP (Thru 1998)			
		Yamaha® Outboards 80-175 HP (Thru 1983)			
999-00202SH	202SH	V4/V6 HIGH HP Hub Kit			Cushion Hub
999-00203	203	Yamaha® Outboards & Sterndrives	999-12130	991213	Forward Thrust Washer
		(V6 Gearcase • 115-130 HP; 150-250 HP; 1984 to Present)	999-12060	991206	Aft Drive Adapter
999-00203SH	203SH	V4/V6 HIGH HP Hub Kit	999-13010	991301	Cushion Hub
999-00204	204	Suzuki® Outboards	999-12070	991207	Forward Thrust Washer
		(V6 Gearcase • 150-300 HP)	999-12080	991208	Aft Drive Adapter
999-00204SH	204SH	V4/V6 HIGH HP Hub Kit	999-13010	991301	Cushion Hub
999-00205	205	Volvo® SX Sterndrives	999-12020	991202	Forward Thrust Washer
		(19 Tooth Spline; 1995 to Present)	999-12090	991209	Aft Drive Adapter
999-00205SH	205SH	V4/V6 HIGH HP Hub Kit	999-13010	991301	Cushion Hub
999-00206	206	Evinrude®/Johnson® Outboards - OMC® Sterndrives	999-12100	991210	Forward Thrust Washer
		(V4 Gearcase • 1968 to Present)	999-12110	991211	Aft Drive Adapter
999-00206SH	206SH	V4/V6 HIGH HP Hub Kit	999-13010	991301	Cushion Hub
999-00207	207	Honda® Outboards	999-12070	991207	Forward Thrust Washer
		(BFP 60, 115 & 130 HP, 1998 to Present; 75-90 HP, 1999 to Present)	999-12050	991205	Aft Drive Adapter
		(135 & 150 HP, 2004 to Present; 200 & 225 HP, 2002 to Present)	999-13010	991301	
999-00207SH	207SH	V4/V6 HIGH HP Hub Kit			Cushion Hub
999-00208	208	Yamaha® Outboards	999-12120	991212	Forward Thrust Washer
		(V4 Gearcase • 50-100 HP; Spline Front Washer)	999-12060	991206	Aft Drive Adapter
			999-03380	990338	(1) - Washer SS 30 x 17 x 2.5 mm
999-00208SH	208SH	V4/V6 HIGH HP Hub Kit	999-13010	991301	Cushion Hub
999-00209	209	Nissan®/Tohatsu® Outboards	999-12130	991213	Forward Thrust Washer
		(V4 Gearcase • 90-140 HP)	999-12140	991214	Aft Drive Adapter
999-00209SH	209SH	V4/V6 HIGH HP Hub Kit	999-13010	991301	Cushion Hub
999-00210	210	Suzuki® V4 Outboards	999-12150	991215	Forward Thrust Washer
		(V4 Gearcase • 60-140 HP)	999-12110	991211	Aft Drive Adapter
999-00210SH	210SH	V4/V6 HIGH HP Hub Kit	999-13010	991301	Cushion Hub
999-00225	225	Suzuki®/Johnson® Outboards	999-12530	991253	Forward Thrust Washer
		(DF 90, DF 100 & DF 115 HP 4-Stroke Applications)	999-12050	991205	Aft Drive Adapter
			999-03370	990337	(1) - Washer SS 32 x 19.2 x 2.5 mm
999-00225SH	225SH	V4/V6 HIGH HP Hub Kit	999-13010	991301	Cushion Hub
999-00226	226	Suzuki®/Johnson® Outboards	999-12040	991204	Forward Thrust Washer
		(DF 140 HP 4-Stroke Applications)	999-12050	991205	Aft Drive Adapter
			999-03370	990337	(1) - Washer SS 32 x 19.2 x 2.5 mm
999-00226SH	226SH	V4/V6 HIGH HP Hub Kit	999-13010	991301	Cushion Hub
999-00227	227	Suzuki® Outboards	999-13120	991312	Forward Thrust Washer
		(DF70A / DF80A / DF90A, 2009 to Present)	999-12060	991206	Aft Drive Adapter
			999-03370	990337	(1) - Washer SS 32 x 19.2 x 2.5 mm
			999-13010	991301	Cushion Hub
999-00228	228	Evinrude® Outboards - E-TEC® G2®	999-91402	991402	G2 Forward Thrust Washer
		(200-300 HP G2®, 2014 to Present)	999-91403	991403	G2 Aft Drive Adapter
			999-91401	991401	G2 Cushion Hub

PROPELLER ACCESSORIES

YAMAHA PROPELLER ACCESSORIES

PROP NUT KITS

ORDER NO. 918-73995
Replaces: 66T-W4599-00-00
Kit Contains:

ORDER NO.	Description
018-37320	Prop Nut
018-23809	Cotter Pin+
918-73899	Prop Bushing
918-73895	Prop Spacer

+ 10 Per Pack
*** Kit contains only 1 cotter pin**

ORDER NO. 918-73996
Replaces: 67F-W4599-00-00
Kit Contains:

ORDER NO.	Description
018-37320	Prop Nut
018-23809	Cotter Pin+
918-73901	Prop Bushing
918-73894	Prop Spacer

+ 10 Per Pack
*** Kit contains only 1 cotter pin**

PROP SPACERS

ORDER NO. 918-73894
Replaces: 67F-45997-00-00

ORDER NO. 918-73895
Replaces: 66T-45997-00-00

PROP WASHER & BUSHINGS

ORDER NO. 918-73896
Replaces: 92990-18200-00

ORDER NO. 918-73899
Replaces: 90389-22M01-00

ORDER NO. 918-73901
Replaces: 90389-25M00-00

OMC/BRP PROPELLER ACCESSORIES

PROPELLER NUTS

ORDER NO.	O.E. #
018-37059+	314503
018-37069+	318971
018-37079+	319891
018-37081*	398042

+ 5 Per Pack
** Comes with keeper*

PROP NUT KITS

018-37150
Replaces: 175266
Contains

ORDER NO.	Description
018-37081	Prop Nut
018-37419	Cotter Pin
018-42310	Prop Spacer

** Comes with keeper*
*** Kit contains only 1 cotter pin**

018-37160
Replaces: 175267
Contains

ORDER NO.	Description
018-37059	Prop Nut
018-37429	Cotter Pin
018-42280	Prop Spacer

*** Kit contains only 1 cotter pin**

018-37170
Replaces: 175268
Contains

ORDER NO.	Description
018-37079	Prop Nut
018-37439	Cotter Pin
018-42320	Prop Spacer

*** Kit contains only 1 cotter pin**

018-37530
Replaces: 5005034
Fits: 40-130
(2001 & up)

COTTER PINS 10/PK

ORDER NO.	O.E. #	Dimension
018-37359	5030087	5/32" x 1-3/8"
018-37409	302804	3/32" x 1"
018-37419	309955	1/8" x 1-3/4"
018-37429	314502	1/8" x 1-1/4"
018-37439	320785	1/8" x 3/4"
018-37449	552906	3/32" x 3/4"

PROP SPACERS

ORDER NO. 018-42280
Replaces: 315810

ORDER NO. 018-42310
Replaces: 320570

ORDER NO. 018-42320
Replaces: 323943

THRUST WASHERS

ORDER NO. 018-42220
Replaces: 318841,127084

ORDER NO. 018-42230
Replaces: 333592

ORDER NO. 018-42290
Replaces: 319890

ORDER NO. 018-42300
Replaces: 320305

SEE NEXT PAGE For Application Chart

Sierra Marine Engine and Drive Parts

JOHNSON/EVINRUDE (OMC) DRIVE SYSTEM

JOHNSON/EVINRUDE PROP NUTS, SPACERS, & KITS - APPLICATION CHART

HP	YEAR	SPACER BEFORE PROP	WASHER AFTER PROP	PROP NUT*	COTTER PIN (10/Pk)	PROP NUT KIT
9.9/15	1974-75	—	—	18-37069	18-37409	—
9.9/15	1976-99	—	—	18-37069	18-37449	—
20	1984-90	18-4229	18-4232	18-37079	18-37439	18-3717
20/30/35	1991-99	—	18-4232	18-37079	18-37439	18-3717
25 ⑥	1991	—	18-4232	18-37079	18-37439	18-3717
25 ⑦	1991	18-4232	18-4228	18-37059	18-37429	18-3716
25 ⑧	1992	—	18-4232	18-37079	18-37439	18-3717
25/30	1984-90	18-4229	18-4232	18-37079	18-37439	18-3717
35	1976-90	18-4229	18-4232	18-37079	18-37439	18-3717
40 ① ④	1984-99	18-4230	18-4228	18-37059	18-37429	18-3716
40 Comm	1996-97	18-4222	18-4228	18-37059	18-37429	18-3716
40 Comm	1998-99	—	18-4228	18-37059	18-37429	18-3716
45 Comm ②	1986-97	—	18-4228	18-37059	18-37429	18-3716
48 ①	1987-96	18-4230	18-4228	18-37059	18-37429	18-3716
50/60 TTL	1996-98	18-4222	18-4228	18-37059	18-37429	18-3716
50 ②	1971-74	18-4222	18-4228	18-37059	18-37429	18-3716
50 ① ④	1975-99	18-4230	18-4228	18-37059	18-37429	18-3716
50 EL&DT	1996-98	—	18-4228	18-37059	18-37429	18-3716
50 Comm ②	1977-79	18-4222	18-4228	18-37059	18-37429	18-3716
55	1968-69	18-4222	18-4228	18-37059	18-37429	18-3716
55 ①	1976-79	18-4230	18-4228	18-37059	18-37429	18-3716
55 Comm ②	1980-97	18-4222	18-4228	18-37059	18-37429	18-3716
55 Comm	1998-99	—	18-4228	18-37059	18-37429	18-3716
60/70 ④	1996-99	—	18-4228	18-37059	18-37429	18-3716
60	1970-71, 86-95	18-4222	18-4228	18-37059	18-37429	18-3716
60 ①	1980-85	18-4230	18-4228	18-37059	18-37429	18-3716
65	1972-73	18-4222	18-4228	18-37059	18-37429	18-3716
65 Comm	1984-95	18-4222	18-4228	18-37059	18-37429	18-3716
65 Comm	1996-99	—	18-4228	18-37059	18-37429	18-3716
70	1974-95	18-4222	18-4228	18-37059	18-37429	18-3716
75 ②	1975-84	18-4222	18-4228	18-37059	18-37429	18-3716
75 ①	1975-85	18-4230	18-4228	18-37059	18-37429	18-3716
Formula E	1986-90	18-4230	18-4228	18-37059	18-37429	18-3716
Sprint	1986-90	18-4230	18-4228	18-37059	18-37429	18-3716
85	1969-80, 1995	18-4222	18-4228	18-37059	18-37429	18-3716
88/90	1981-95	18-4222	18-4228	18-37059	18-37429	18-3716
88	1996	—	18-4228	18-37059	18-37429	18-3716
90 ① ④	1996-99	—	18-4228	18-37059	18-37429	18-3716
90 ②	1996	—	18-4231	18-37081	—	—
90 V-4 ④	1997-99	—	18-4228	18-37059	18-37429	18-3716
90 V-4 ② ④	1997	18-4223	18-4231	18-37081	—	—
90 FSX/ FPX ④	1998-99	18-4223	18-4231	18-37081	—	—
100	1979-80	18-4222	18-4228	18-37059	18-37429	18-3716
100 ⑨	1988-94	18-4222	18-4228	18-37059	18-37429	18-3716
100 ⑩	1992	—	18-4231	18-37081	—	—
100 Comm ④	1996, 1998	—	18-4228	18-37059	18-37429	18-3716
100 Comm	1995-97, 1999	18-4223	18-4231	18-37081	—	
100 Comm ③	1984-90	18-4223	18-4231	18-37081	18-37419	18-3715
110	1986-89	18-4222	18-4228	18-37059	18-37429	18-3716
112	1996	—	18-4228	18-37059	18-37429	18-3716
115	1973-94	18-4222	18-4228	18-37059	18-37429	18-3716
115 ① ④	1996-99	—	18-4228	18-37059	18-37429	18-3716
115 ②	1996	—	18-4231	18-37081	—	—
115 V-4 ④	1997-99	—	18-4228	18-37059	18-37429	18-3716
115 V-4 ② ④	1997	18-4223	18-4231	18-37081	—	—
115 FSX/ FPX ④	1998-99	18-4223	18-4231	18-37081	—	—
120 ③	1985	18-4223	18-4231	18-37081	18-37419	18-3715
120	1986-94	18-4222	18-4228	18-37059	18-37429	18-3716
125 ❶	1971-94	18-4222	18-4228	18-37059	18-37429	18-3716
125 ❷	1992	—	18-4231	18-37081	—	—
125 Comm	1991	—	18-4231	18-37081	18-37419	18-3715
125 Comm	1992-96	18-4223	18-4231	18-37081	—	—
130	1995-99	18-4223	18-4231	18-37081	—	—
135	1973-76	18-4222	18-4228	18-37059	18-37429	18-3716
140	1977-84	18-4222	18-4228	18-37059	18-37429	18-3716
140 ③	1985	18-4223	18-4231	18-37081	18-37419	18-3715
140 ❸	1986-94	18-4222	18-4228	18-37059	18-37429	18-3716
140 ③	1990	18-4223	18-4231	18-37081	18-37419	18-3715
140 ❹	1992	—	18-4231	18-37081	—	—
150	1978-90	18-4223	18-4231	18-37081	18-37419	18-3715
150	1991-95	—	18-4231	18-37081	18-37419	18-3715
150 ④	1996-99	18-4223	18-4231	18-37081	—	—
155 Comm	1984-90	18-4223	18-4231	18-37081	18-37419	18-3715
155 Comm	1991-95	—	18-4231	18-37081	18-37419	18-3715
175	1977-90	18-4223	18-4231	18-37081	18-37419	18-3715
175	1992	—	18-4231	18-37081	—	—
175 ④	1993-99	18-4223	18-4231	18-37081	—	—
185	1984-85	18-4223	18-4231	18-37081	18-37419	18-3715
185 Comm ④	1991-95	—	18-4231	18-37081	18-37419	18-3715
200	1976-90	18-4223	18-4231	18-37081	18-37419	18-3715
200/225 ④	1991-95	—	18-4231	18-37081	18-37419	18-3715
200/225 ④	1996-99	18-4223	18-4231	18-37081	—	
225	1986-90	18-4223	18-4231	18-37081	18-37419	18-3715
235	1978-85	18-4223	18-4231	18-37081	18-37419	18-3715
250/300	1991	18-4223 ⑤	18-4231	18-37081	18-37419	18-3715
250/300	1992	—	18-4231	18-37081	—	—
250/300 ④	1993-95	18-4223	18-4231	18-37081	—	—
250	1996-99	18-4223	18-4231	18-37081	—	—
2.6L	1984-85	18-4223	18-4231	18-37081	18-37419	18-3715
275	1986	18-4223	18-4231	18-37081	18-37419	18-3715
3.6L	1986-90	18-4223	18-4231	18-37081	18-37419	18-3715
OMC SEA DRIVE						
V4	1982-90	18-4222	18-4228	18-37081	18-37429	18-3715
V6	1982-90	18-4223	18-4231	18-37081	18-37419	18-3715
V8	1987, 1989-90	18-4223	18-4231	—	—	—

*PROP NUTS Ending in "9" are 5/Pack

Note:

When ordering parts from the above chart

- Please add a "**0**" before and after any Sierra number with 4 digits after the dash
  e.g. for 18-4229 **ORDER 018-42290**

- And add a "**0**" before any Sierra number with 5 digits after the dash.
  e.g. for for 18-37069 **ORDER 018-37069**

①Models equipped with small gearcase
②Models equipped with large gearcase
③Models equipped with V-6 gearcase
④For 3-Blade propeller only
⑤Use 18-4222 for 4-Blade propeller
⑥All models except DR, DE & DT
⑦Models DR, DE & DT only
⑧Except models RSU, RSLU, RWENB, RWLENB
⑨Except 1992 models WTLENE, WTXNENE
⑩Models WTLENE, WTXNENE
❶1992 ES models only
❷Except 1992 ESX models
❸1992 TL models only
❹1992 CX, TX models only

*** Prop nut kits contain 1 only of items listed in kit.**

TAB WASHER/PROP NUT APPLICATION

HP	Beg. Serial #	End. Serial #	Tab Washer	Prop Nut	Prop Nut Kit
9.9*	G760300	& UP	—	018-37030	—
15*	G590000	& UP	—	018-37030	—
18	5837437	& UP	—	018-37030	—
20	6443973	& UP	—	018-37030	—
25	6416713	& UP	—	018-37030	—
35	— ■	—	018-32049	018-37040	018-37020
40	— ■	—	018-32049	018-37040	018-37020
50	— ■	—	018-32049	018-37040	018-37020
60	— ■	—	018-32049	018-37040	018-37020
65	1542745	2503990	018-32009	—	—
65	2503991	3293183	018-32009	018-37000	018-37010
70	1482212	1566239	018-32009	—	—
70	— ■	A996141	018-32049	018-37040	018-37020
70	A996142	& UP	018-32009	018-37000	018-37010
75	6432901	& UP	018-32009	018-37000	018-37010
80	1405637	1566239	018-32009	—	—
80	2559001	& UP	018-32009	018-37000	018-37010
85	1460999	3493912	018-32009	—	—
85	3493913	4831998	018-32009	018-37000	018-37010
90	1766824	4845300	018-32009	—	—
90	4845301	& UP	018-32009	018-37000	018-37010
95	1869776	2318585	018-32009	—	—
100	1464949	2484632	018-32009	—	—
100	2484633	2836018	018-32009	018-37000	018-37010
100	B209468	& UP	018-32009	018-37000	018-37010
110	1870204	2314955	018-32009	—	—
115	2836019	& UP	018-32009	018-37000	018-37010
125	2314956	2536209	018-32009	—	—
125	2536210	2839368	018-32009	018-37000	018-37010
135	2839369	3293233	018-32009	018-37000	018-37010
140	3293234	& UP	018-32009	018-37000	018-37010
150 (inline)	3502806	& UP	018-32009	018-37000	018-37010
V-6	ALL		018-32009	018-37000	018-37010

*4-Stroke Bigfoot ■ Fits most applications

MERCURY/MARINER DRIVE SYSTEM

PROP NUT & TAB WASHER KITS

018-37010
Replaces: 11-52707A1, Q1

018-37010 Contents		
Order No.	O.E. #.	Description
018-32009*	14-31210, 14-816629	Tab Washer
018-37000	11-52707	Prop Nut

*10 Per pack

018-37020
Replaces: 11-69578A1, T1, Q1

018-37020 Contents		
Order No.	O.E. #.	Description
018-32049*	14-76281	Tab Washer
018-37040	11-69578	Prop Nut

*10 Per pack

*** Prop nut & tab washer kits contain 1 only of items listed in kit.**

THRUST WASHERS

018-42200
Replaces: 13171, 77987, 12-835467-1
V-6 Outboards & Mercruiser Stern Drives

018-37140
MC# 12-31211A2
For: 135-275 HP (V6 2 Cycle)

018-42210
Replaces: 13191A1,75282A1
4 & 6 Inline - 75-150 HP

018-42330
Replaces: 73345A1
(35-70 HP)

VOLVO PENTA DRIVE SYSTEM

PROPELLER CONE

ORDER NO. 018-42100
Replaces: 850785, 854045,
AQ200, 250, 270, 270T, 275, 280, 280T, 280PT, 290

SCREW FOR PROP CONE

ORDER NO. 018-42120
Replaces: 850889
(5/16" - 18)

SPACER

ORDER NO. 018-42130
Replaces: 851261, 854047,
AQ275, 280, 290

LOCKING WASHER

ORDER NO. 018-42140
Replaces: 897367
AQ DRIVE UNITS: 200, 250, 270, 270T (TID UTF) 275, 280, 280T, 280PT (TID UTF)

FISHLINE PROTECTOR SPACER

ORDER NO.	O.E. #.	Application
018-42080	839423	AQ280,290
018-42090	839534	AQ250, 270, 275

PLASTIC WASHER

ORDER NO. 018-42110
Replaces: 850888

PROP MASTER PROPELLER STOP

NEW!

- Securely holds prop during changing
- Brightly coloured for great visibility

(Remember to remove propeller stop before using your boat)

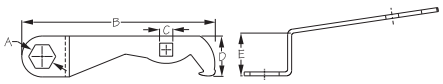
ORDER NO.	Mfr. No.
205-201109	PMPS-1-DP

For more information see: www.thmarinesupplies.com

SEA-DOG LINE QUALITY MARINE GEAR

PROP WRENCH

Zinc Plated Steel



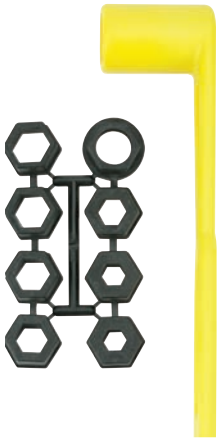
ORDER NO.	Mfr. No.	A	B	C	D	E
425-31112	531112	1-1/16"	8-7/8"	9/16"	13/16"	2"

For more information see: www.sea-dog.com

attwood

PROP WRENCH KIT

Offers multiple sockets to fit from 17/32" to 1-1/4", allowing consumers to service multiple props. Built of durable composite. Wrench with up to 1-1/16" prop nuts.



ORDER NO.	Mfr. No.
101-11370	11370-7

For more information see: www.attwoodmarine.com

Sierra Marine Engine and Drive Parts

PROPELLER WRENCH

ORDER NO. 018-44440

Replaces 91-95830A1

For Mercury / Mariner Mercruiser & OMC Cobra

PROPELLER WRENCH NUT KIT

ORDER NO. 018-44460

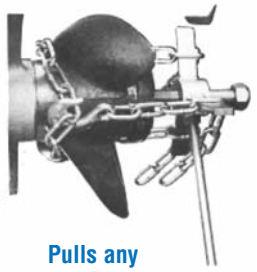
For Mercury / Mariner Mercruiser

MULTI-PURPOSE PROP WRENCH

ORDER NO.	O.E. #
018-44590	91-821887A1, 91-859046 Q4

For more information see: www.catalog.sierraparts.com

T&R Marine Corporation



Pulls any 3-Bladed Prop

PROPELLER PULLER

Adjustable chain allows you to pull any 3 bladed prop. Hardened bolt to withstand torque. This unit features a removable arm to hold when turning thrust bolt. Very easy to use.

ORDER NO. 098-06600

For more information see: www.trmarine.com

GLM

PROPELLER & BEARING PULLER

ORDER NO. 626-90095

Mfr. No. 90095

For all style bearing carrier & most props.

For more information see: www.glmmarine.com

SHEAR PINS

SHEAR PINS

ORDER NO.	Mfr.No.		Size/Inches	Qty/Bag		
550-01100	550011	SP 02	1/8 x 13/16	2	N/A	2
550-03100	550031	SP 04	5/32 x 61/64	2	N/A	4
550-04100	550041	SP 05	5/32 x 1-3/16	2	N/A	5
550-05100	550051	SP 06	3/16 x 15/16	2	N/A	6
550-06100	550061	SP 07	3/16 x 1-1/16	2	N/A	7
550-07100	550071	SP 08	3/16 x 1-3/16	2	29	8
550-09100*	550091	SP 10	3/16 x 1-19/64	2	35	10
550-10100	550101	SP 11	1/4 x 1-1/8	2	20	11
550-11100*	550111	SP 12	1/4 x 1-7/16	2	20 Long	12
550-14100	550141**	SP 15	9/32 x 1-7/16	1	34 S	15
550-16100*	550161	SP 17	3/16 x 1-25/64	2	N/A	17
550-18100*	550181	SP 19	1/8 x 1	2	N/A	19
550-20100	550201	SP 21	3/16 x 1-3/8	2	26	21
550-23100	550231	SP 24	3/16 x 1-1/4	2	38	24
550-27100*	550271	SP 31	5/32 x 1-1/32	2	N/A	N/A

*Stainless Steel
** Special size for Michigan Wheel Propeller # PJ-74 fits OMC Small Hub Propeller # 378260

SHEAR PIN APPLICATION CHART *(Continued on Page 1095)*

Model	Year	Item No.
AERO MARINE		
4.0	1971	SP04
4.0	1972	SP02
BEARCAT		
55.0	1971-74	SP20
85.0	1971-74	SP20
BUCCANEER (Gale Products)		
1.5-3.0	1949-63	SP02
5.0	1948-63	SP06
12.0	1948-59	SP08
15.0	1960-63	SP08
22.0	1955	SP11
25.0	1956	SP11
25.0	1957-63	SP12
35.0	1958-60	SP12
40.0	1961-63	SP12
60.0	1960-63	SP13
CHRYSLER		
3.5	1966-69	SP05
3.5	1981-83	SP06
3.6	1970-71	SP05
4.0	1978-83	SP06
4.4	1968	SP06
4.9 Export	1974	SP23
5.0	1969-70	SP06
5.0 Export	1974	SP23
CHRYSLER		
6.0	1966-67	SP05
6.0	1971-82	SP06
6.0 (Sailor 150)	1978-81	SP11
6.6	1968	SP06
7.0	1969-70	SP06
7.5	1979-83	SP06
7.5 (SAILOR)	1982-83	SP11
8.0	1971-78	SP06
9.2	1966-67	SP05
9.9	1968-83	SP06
9.9 (Sailor 250)	1978-83	SP11
10.0	1975-78	SP06
12.9	1971	SP06
15.0	1974-83	SP06
15.0 (SAILOR)	1982	SP11
20.0	1966-67	SP10
20.0	1979-82	SP11
20.0	1969-72	SP06
25.0	1959-63	SP12
25.0	1974-75	SP12
25.0	1982-83	SP11
30.0	1979-82	SP11
35.0	1966-83	SP11
45.0	1966-83	SP11
50.0	1966-67	SP11
50.0	1981-83	SP11
55.0	1969-79	SP11
CHRYSLER		
70.0	1969-79	SP18
75.0	1966-79	SP18
85.0	1969-72	SP18
105.0	1966-72	SP18
120.0	1970-72	SP18
130.0	1972	SP18
135.0	1970-72	SP03
150.0	1972	SP03
CHRYSLER-FORCE		
3.5	1984	SP06
4.0	1984-85	SP06
4.0 (SAILOR)	1985	SP06
7.5	1984	SP06
7.5 (SAILOR)	1984	SP11
9.9	1984-85	SP06
9.9 (SAILOR)	1984	SP11
15.0	1984-85	SP06
25.0	1984	SP11
35.0	1984	SP11
45.0	1984	SP11
50.0	1984-85	SP11
CLINTON, CHIEF		
2.0	1973	SP05
3.0	1971-75	SP05
3.5	1971-72	SP05
4.0	1973	SP05
5.0	1958	SP01
CLINTON, CHIEF		
5.0 ALL MDLS	1959-74	SP05
5.0	1973	SP08
7.0	1971-74	SP05
7.0	1973-74	SP08
7.0	1975	SP24
7.5 F.N.R.	1974	SP08
7.5	1975	SP24
9.9	1973-74	SP08
9.9	1975	SP24
COMMANDO		
2.6 ALL MDLS	1957-60	SP07
3.0	1971	SP04
4.0 ALL MDLS	1961-67	SP06
4.5	1968	SP06
4.9 ALL MDLS	1962	SP07
5.0	1971	SP04
5.2	1968-70	SP06
7.5	1968-70	SP06
7.5	1971	SP04
EATON-VOLVO		
OUTDRIVE	1963-66	SP03
ESKA		
ALL 3.0 TO 5.5	1961-86	SP25
7.0-7.5 F.N.	1966-77	SP25
7.5 F.N.R.	1972-76	SP21
7.5	1981-86	SP05
9.5 Twin F.N.R.	1973-81	SP21
9.9 Twin F.N.R.	1973-86	SP21
14.0 Twin F.N.R.	1973-81	SP21
15.0 Twin F.N.R.	1973-86	SP21

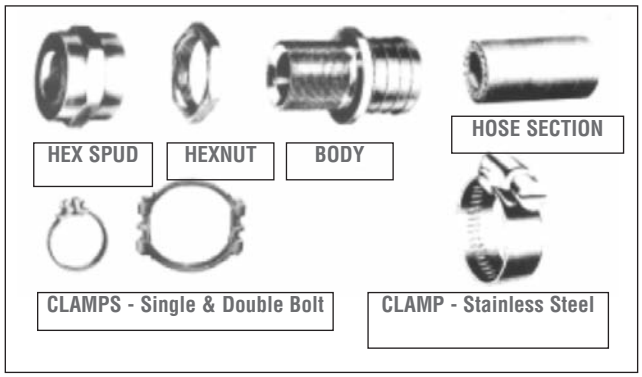
SHEAR PIN APPLICATION CHART (Continued from Page 1094)

Model	Year	Item No.
EVINRUDE		
ELEC. OUTBOARD	1985-93	SP19
1.5 MATE	1967-70	SP02
2.0 SPORTSMAN	1939-50	SP06
2.0 MATE	1971	SP02
2.0 MATE	1972-80	SP16
2.0	1981-85	SP20
2.0	1986-93	SP23
2.3	1985-93	SP23
3.0 LIGHTWIN & DUCKTWIN	1952-63	SP02
3.0 YACHTWIN	1965-68	SP02
3.3 SPORTWIN	1939-50	SP06
3.3	1985-93	SP23
3.0-4.0 EURO	1985-93	SP19
4.0 YACHTWIN & LIGHTWIN	1969-71	SP02
4.0 YACHTWIN	1972	SP02
4.0 LIGHTWIN	1962	SP16
4.0 YACHTWIN & LIGHTWIN	1973-80	SP16
4.0	1981-85	SP20
4.0	1984	SP24
4.0 DELUXE	1985-93	SP26
4.5	1981-85	SP24
5.0 FISHERMAN	1963-66	SP06
5.0 ANGLER	1965-68	SP16
5.0 ANGLER	1981-85	SP24
5.0	1985-93	SP26
5.5 FISHERMAN	1956-64	SP06
6.0 FISHERMAN	1965-66	SP06
6.0 FISHERMAN	1967-79	SP17
6.0	1981-85	SP24
6.0	1985-93	SP26
6.5L	1985-93	SP26
7.5 FLEETWIN	1950-58	SP06
7.5	1981-85	SP24
8.0	1981-85	SP24
8.0	1985-93	SP26
9.5 SPORTWIN	1964-66	SP10
9.5 SPORTWIN	1967-73	SP17
10.0 SPORTWIN	1956-63	SP08
14.0 FASTWIN	1950-52	SP08
15.0 FASTWIN	1956	SP08
15.0 SPR. FASTWIN	1953-56	SP08
18.0 FASTWIN	1958-66	SP08
18.0 FASTWIN	1967-74	SP17
22.5 SPEEDITWIN	1937-50	SP11
25.0 BIG TWIN	1951-55	SP11
25.0 SPORTSTER	1969-74	SP17
28.0 SPEEDITWIN	1962-64	SP12
30.0 ALL MDLS	1956	SP11
33.00 SKITWIN ALL	1965-69	SP12
33.4 SPEEDIFOUR	1939-50	SP12
35.0 ALL MDLS	1958-59	SP12
40.0 ALL MDLS	1960-74	SP12
50.0 BIG FOUR	1958-59	SP03
60.0 SPORTFOUR	1964-66	SP13
60.0 SPORTFOUR	1967	SP15
65.0 SPORTFOUR H.D.	1968	SP03
65.0 SPORTFOUR REG	1968	SP15
75.0 ALL MDLS	1960-66	SP13
80.0 ALL MDLS	1967	SP13
85.0 SPEEDFOUR	1968	SP15
85.0 STARLITE	1964-66	SP13
90.0 STARFLITE	1968	SP15
100.0 STARFLITE	1967-68	SP30
FIRESTONE		
2.0	1959-60	SP02
2.0	1961-62	SP05
3.6	1949-58	SP04
4.0	1949-58	SP04
5.0	1949-58	SP04
5.0	1956-59	SP07
7.5	1960-62	SP05
8.0	1960	SP04
10.0	1950-55	SP04
10.0	1955-89	SP07
12.0	1960-62	SP07
16.0	1956-59	SP09
30.0	1956	SP11
35.0	1957	SP11
38.0	1958-59	SP11
40.0	1960-62	SP11
FORCE		
4.0	1986	SP06
4.0 (SAILOR)	1986	SP06
9.9	1986	SP06
15.0	1986	SP06
35.0	1986	SP11
50.0	1986	SP11
HOMELITE		
55.0	1963-68	SP11
JOHNSON		
1.5	1968-70	SP02
2.0	1971	SP02
2.0	1972-80	SP16
3.0 ALL MDLS	1930-68	SP02
4.0	1969-71	SP02
4.0 4R72	1972-80	SP02
4.0 4W72	1972-80	SP16
4.0 ALL MDLS	1973-80	SP16
5.0	1965-68	SP16
5.5 ALL MDLS	1954-64	SP06
6.0	1965	SP06
6.0	1968-79	SP17
7.5 ALL AD MDLS	1956-58	SP06
9.5	1965-66	SP10
9.5	1967-73	SP17
9.9	1964	SP10
10.0 OD ALL MDLS	1949-63	SP08
15.0 FD ALL MDLS	1956	SP08
18.0	1958-66	SP10
18.0	1967	SP17
20.0	1968-74	SP17
25.0 RD-10 THRU 15.0, RDL	1951-55	SP11
25.0	1969-74	SP17
28.0	1962-64	SP12
30.0 ALL MDLS		SP11
33.0	1965	SP12
33.0	1968-70	SP12
35.0 ALL MDLS THRU	1975	SP12
40.0 ALL MDLS	1960-74	SP12
50.0	1958-59	SP03
60.0	1964-66	SP13
60.0	1967	SP15
65.0 VX14, VXH 14	1968	SP03
75.0	1960-66	SP13
85.0 V4S-20, V4A20	1968	SP15
90.0	1964-66	SP13
100.0 V4TL-14	1968	SP30
MARINER		
2.0 MDL A & B	ALL	SP02
3.5	ALL	SP06
5.0	ALL	SP06
8.0 MDL A & B	ALL	SP10
15.0 MDL A	ALL	SP21
15.0 MDL W	ALL	SP21
20.0 MDL A	ALL	SP21
MCCULLOCH (SCOTT ATWATER)		
3.5	1963-64	SP04
3.6	1946-62	SP04
4.0	1967-69	SP04
7.5	1946-59	SP04
7.5 STANDARD	1964-69	SP14
7.5 WEEDLESS	1960-69	SP14
9.0	1967-68	SP04
9.5	1964	SP04
10.0	1946-59	SP04
12.0	1960	SP06
14.0 (FLEET)	1963-67	SP04
14.0 (POWER)	1963-67	SP11
14.1	1961-62	SP04
15.0 (DIESEL)	1963	SP11
16.0	1950-58	SP09
22.0	1958	SP09
25.0	1959-60	SP09
27.7	1961-62	SP09
28.0	1963-67	SP09
30.3	1955-58	SP11
40.0	1958-60	SP11
43.7	1961-62	SP11
45.0	1963-68	SP11
50.0	1964	SP11
60.0	1958-60	SP11
75.2	1961-62	SP20
75.0	1963-68	SP20
MERCURY		
2.2	1984-85	SP19
2.5-10.0	1939-54	SP06
2.5	1985-93	SP23
3.3	1985-93	SP25
25.0	1949-54	SP11
ALL MDLS	1955-83	N/A
MINNKOTA		
ALL MDLS	1985-93	SP19
MONO		
4.0	1964-68	SP04
5.0	1969-70	SP04
6.0	1968	SP04
7.5	1969-70	SP04
MOTOR GUIDE		
ALL MDLS	1985-93	SP19
NISSAN		
2.5	1985-93	SP25
3.3	1985-93	SP25
O.M.C.		
OUTDRIVE	1963-67	SP13
OUTDRIVE	1974	SP30
J.C. PENNY (ESKA)		
3.0-5.5	1975-80	SP25
7.5 F.N.	1975-77	SP25
9.9 F.N.R.	1975-77	SP21
15.0 F.N.R.	1975-77	SP21
SEA KING (WARDS)		
1.5	1948-50	SP02
2.0 Air Cooled CLINTON	1972-74	SP05
3.0	1959-63	SP02
3.0 Air Cooled CLINTON	1970-92	SP05
3.5	1964-68	SP05
4.0 Air Cooled CLINTON	1972-73	SP05
5.0	1941-58	SP06
5.0 DLX, MDL	1951-58	SP06
5.0	1959-63	SP06
5.0	1964	SP05
5.0 Air Cooled CLINTON	1970-75	SP05
5.0 Air Cooled ESKA	1969	SP04
6.0	1965-75	SP05
6.0 Water Cooled CHRYSLER	1975	SP06
7.0 Air Cooled ESKA	1969	SP04
7.0 Air Cooled	1970-74	SP05
7.5 Air Cooled CLINTON	1975	SP24
7.5 F.N.R. CLINTON	1975	SP24
8.0	1964-65	SP05
9.0	1965-69	SP05
9.6	1970-73	SP06
10.0 Air Cooled CLINTON	1974	SP08
10.0 Water Cooled CHRYSLER	1975	SP06
12.0	1948-59	SP08
12.0 DLX, MDL	1951-59	SP08
15.0	1960-63, 75	SP10
20.0	1964-69, 73	SP10
25.0	1956-58	SP11
25.0	1959-63, 74	SP12
35.0	1958-63	SP12
35.0	1967-75	SP11
40.0	1961-62	SP12
45.0	1964-70	SP11
50.0	1964-66	SP11
55.0	1967-70, 75	SP11
60.0	1960-65	SP13
80.0	1964-65	SP18
SEAR, ELGIN, TEDWILLIAMS		
1.2 IMPORT	1974-75	SP22
2.0	1952-63	SP05
2.5	1946-51	SP05
3.0	1970-81	SP25
3.5	1963-66	SP05
3.5	1967-81	SP25
3.6	1961-68	SP04
3.6	1969-70	SP25
4.0	1966-69	SP04
4.0	1970-81	SP25
4.5	1971-81	SP25
4.8	1969	SP25
5.0	1949-50	SP05
5.0	1950-67	SP04
5.0	1968-81	SP25
5.5	1966-69	SP04
5.5	1971-81	SP25
6.0	1961-70	SP05
7.0	1969-77	SP25
7.5	1950-58	SP04
7.5	1958-59	SP05
7.5	1960-64	SP14
7.5	1967-69	SP04
7.5	1969	SP14
7.5	1971-77	SP25
7.5 F.N.R.	1972-77	SP21
9.0	1966-70	SP04
9.5	1964-68	SP04
9.9 F.N.R.	1972-81	SP21
10.5 F.N.R.	1973-74	SP21
12.0 F.N.R.	1955-59	SP06
14.0	1969	SP04
14.1	1961-63	SP04
15.0 F.N.R.	1973-81	SP21
25.0	1955-56	SP11
25.0	1959-60	SP09
27.7	1961-62	SP09
28.0	1963-69	SP09
30.0	1957	SP11
35.0	1958	SP12
40.0 ALL MDLS	1959, 60, 69	SP11
43.7	1961-62	SP11
45.0	1963-69	SP11
75.0	1969	SP11
75.2	1961-68	SP12
SEACO		
4.5	1973	SP25
7.5 F.N.R.	1973-74	SP21
9.9 TWIN F.N.R.	1973-74	SP21
15.0 TWIN F.N.R. SPORT	1974	SP21
ALL MDLS	1957-60	SP07
TOHATSU		
2.5	1985-93	SP25
3.3	1985-93	SP25
TONAKA (SEARS)		
TOB-120	1979-93	SP22
TOB-175-550	1979-93	SP06

PACKING BOXES - COMPLETE ASSEMBLY

Cast Bronze
Complete with Hose, four s/s clamps, packing nut and lock nut

ORDER NO.	Mfr. No.	Shaft Size	Flax Packing Size	Hose Size
502-00075	00PB75	3/4”	3/8”	1-1/2”
502-00088	00PB88	7/8”	5/16”	1-3/4”
502-00100	00PB100	1”	1/4”	1-3/4”
502-00113	00PB113	1-1/8”	3/16”	1-3/4”
502-00125	00PB125	1-1/4”	1/4”	2-1/4”



PACKING BOX HOSE ONLY

5-ply Marine Exhaust Hose

ORDER NO.	Mfr. No.	Hose I.D.	Hose O.D.	Length
503-15040	80H0150	1-1/2”	2-1/4”	4”
503-15012	80H015012	1-1/2”	2-1/4”	12”
503-17545	80H0175	1-3/4”	2-3/8”	4-1/2”
503-17512	80H017512	1-3/4”	2-3/8”	12”
503-20045	80H0200	2”	2-3/4”	4”
503-20012	80H020012	2”	2-3/4”	12”
503-22545	80H0225	2-1/4”	3”	4-1/2”
503-22512	80H022512	2-1/4”	3”	12”

RUDDER PORTS - INSIDE MOUNT

Cast Bronze

ORDER NO.	Mfr. No.	Shaft Size	Flax Size	Barrel Length	Flange Dimensions
501-01000	00RP100	1”	1/4”	4”	3-7/8” Sq
501-01250	00RP125	1-1/4”	1/4”	4”	4-1/4” Sq
501-01380	00RP138	1-3/8”	5/16”	5”	3-3/4” x 7”
501-01500	00RP150	1-1/2’	1/4”	5”	3-3/4” x 7”

RUDDER PORT BACKING PLATE

Cast Bronze, for inside mount rudder ports

ORDER NO.	Mfr. No.	Plate Dimensions	Fits Rubber Ports	Bolt Hole	Type
501-00100	00RPBP100	3-3/4” x 3-3/4”	1”	3/8”	A
501-00125	00RPBP125	4-3/8” x 4-3/8”	1-1/4”	3/8”	A
501-00150	00RPBP150	3-3/4” x 6-3/4”	1-1/2”	1/2”	B

A - Square B - Rectangular

COMPRESSION PACKING

For use on Stern Shafts and Stuffing Boxes

PREMIUM SQUARE MARINE LUBRICATED FLAX PACKING

3 FT. LENGTH	WEIGHT 1 LB.	
ORDER NO.	ORDER NO.	Size
072-47010		3/16”
072-47020	072-47120	1/4”
	072-47130	5/16”
	072-47150	1/2”

PREMIUM SQUARE MARINE TEFLON PACKING

3 FT. LENGTH	WEIGHT 1 LB.	
ORDER NO.	ORDER NO.	Size
072-47200	072-47300	1/8”
072-47210		3/16”
072-47220	072-47320	1/4”
072-47230		5/16”
	072-47340	3/8”
072-47250	072-47350	1/2”

For more information see: www.catalog.sierraparts.com

FLAX PACKING

Tallow impregnated flax packing for shaft, rudder, and pump stuffing boxes.

- Marine Grade
- Temperature Range to 200 Deg. F
- Braided
- For shaft speeds up to 1,000 Ft./Min.

ORDER NO.	Size	Length
580-00110	1/8”	24”
580-00310	1/4”	24”

TEFLON FLAX PACKING

Teflon Flax Packing has the extra lubricating aid of teflon to reduce vibration on high speed shafts.

ORDER NO.	Size	Length
581-00210	3/16”	24”
581-00310	1/4”	24”
581-00410	5/16”	24”
581-00510	3/8”	24”
581-00610	7/16”	24”

FLAX TOOLS

ORDER NO.	Description
580-09890	Flax Puller

For more information see: www.handimanmarine.com

MORSE RUBBER LLC.

MORSE MARINE BEARINGS

Complete Assembly - Cast Bronze

ORDER NO.	Shaft Dia.	Shell O.D.	Length	Code Name
901-00100	3/4”	1-1/4”	3”	Albacore
901-00200	7/8”	1-1/4”	3-1/2”	Blenny
901-00300	7/8”	1-3/8”	3-1/2”	Barracuda
901-00400	7/8”	1-1/2”	3-1/2”	Bass
901-00500	1”	1-1/4”	3”	Betta
901-00600	1”	1-1/4”	4”	Blackfish
901-00700	1”	1-3/8”	4”	Bloater
901-00800	1”	1-1/2”	4”	Bonito
901-00900	1”	1-5/8”	4”	Broadbill
901-01000	1”	2”	4”	Bullhead
901-01100	1-1/8”	1-1/2”	4-1/2”	Cama
901-01200	1-1/8”	1-5/8”	4-1/2”	Carp
901-01300	1-1/8”	1-3/4”	4-1/2”	Catfish
901-01400	1-1/8”	2”	4-1/2”	Chobie
901-01500	1-1/4”	1-1/2”	5”	Chogset
901-01600	1-1/4”	1-3/4”	5”	Chub
901-01700	1-1/4”	2”	5”	Cod

ORDER NO.	Shaft Dia.	Shell O.D.	Length	Code Name
901-01800	1-1/4”	2-1/8”	5”	Croaker
901-01900	1-3/8”	1-7/8”	5-1/2”	Devilfish
901-02000	1-3/8”	2”	5-1/2”	Dogfish
901-02100	1-3/8”	2-1/8”	5-1/2”	Dolphin
901-02200	1-3/8”	2-3/8”	5-1/2”	Eel
901-02300	1-1/2”	2”	4-3/8”	Flamen
901-02400	1-1/2”	2”	6”	Flatfish
901-02500	1-1/2”	2-3/8”	6”	Flounder
901-02600	1-5/8”	2-1/8”	6-1/2”	Gar
901-02700	1-5/8”	2-5/8”	6-1/2”	Grayback
901-02800	1-3/4”	2-3/8”	7”	Grouper
901-02900	1-3/4”	2-5/8”	7”	Haddo
901-03000	1-7/8”	2-5/8”	7-1/2”	Hake
901-03100	1-7/8”	2-15/16”	7-1/2”	Halibut
901-03200	2”	2-5/8”	8”	Herring
901-03300	2”	3”	8”	Kingfish

CAUTION: If the bearing is to be shrink fitted, care is required to prevent damage to the bearing. Cool the bearing gradually. Do not cool the bearing below -20ºF (-28ºC). Dry ice or other super cool materials should not be used. Pounding the bearing in a chilled state can cause damage to the bond between the rubber and the shell material.

For more information see: www.morserubber.com

FASTENERS & ACCESSORIES
HANDI-MAN MARINE
KEEPING REPAIRS AT BAY

PROPELLER SHAFT NUT & KEY STOCK KIT

ORDER NO.	Diameter	Machine Key Size	Qty
655-92014	3/4”	3/16 x 1-1/2	1
655-92034	1”	1/4 x 2-1/8”	1
655-92044	1-1/8”	1/4 x 2-1/8”	1
655-92054	1-1/4”	5/16 x 2-1/8”	1
655-92064	1-3/8”	5/16 x 3-3/16”	1

BRASS KEY STOCK

ORDER NO.	Mfr. No.	Shaft	Size Diameter	Qty
655-59011	590011	3/4"	3/16 x 1-1/2"	1
655-59031	590031	1 & 1-1/8"	1/4 x 2-1/8"	1
655-59041	590041	1-1/4"	5/16 X 2-13/16"	1

For more information see: www.handimanmarine.com

MICHIGAN AQUALUBE

AQUALUBE

***AQUALUBE** bearings are designed for marine and industrial applications. The bearings feature a specially formulated rubber and are molded into various shell materials. The rubber is an extremely tough, chemical and oil resistant nitrile which offers outstanding resistance to abrasion and wear even in the most adverse conditions.*

C.C. Part Number	Material	I.D.	O.D.	Length
901-907501	Brass	3/4	1-1/4	3
901-908751	Brass	7/8	1-1/4	3-1/2
901-908752	Brass	7/8	1-3/8	3-1/2
901-908753	Brass	7/8	1-1/2	3-1/2
901-910001	Brass	1	1-1/4	4
901-910002	Brass	1	1-3/8	4
901-910003	Brass	1	1-1/2	4
901-910004	Brass	1	1-5/8	4
901-910005	Brass	1	2	4
901-911251	Brass	1-1/8	1-1/2	4-1/2
901-911252	Brass	1-1/8	1-5/8	4-1/2
901-911253	Brass	1-1/8	1-3/4	4-1/2
901-911254	Brass	1-1/8	2	4-1/2
901-912501	Brass	1-1/4	1-1/2	5
901-912503	Brass	1-1/4	1-3/4	5
901-912505	Brass	1-1/4	2	5
901-912507	Brass	1-1/4	2-1/8	5
901-913751	Brass	1-3/8	1-7/8	5-1/2
901-913752	Brass	1-3/8	2	5-1/2
901-913754	Brass	1-3/8	2-1/8	5-1/2
901-913756	Brass	1-3/8	2-3/8	5-1/2
901-915001	Brass	1-1/2	2	6
901-915004	Brass	1-1/2	2-3/8	6

C.C. Part Number	Material	I.D.	O.D.	Length
901-916251	Brass	1-5/8	2-1/8	6-1/2
901-916255	Brass	1-5/8	2-5/8	6-1/2
901-917501	Brass	1-3/4	2-3/8	7
901-917502	Brass	1-3/4	2-5/8	7
901-920001	Brass	2	2-5/8	8
901-920003	Brass	2	3	8
901-922502	Brass	2-1/4	3	9
901-922503	Brass	2-1/4	3-1/8	9
901-925002	Brass	2-1/2	3-1/8	10
901-925004	Brass	2-1/2	3-3/8	10
901-925005	Brass	2-1/2	3-1/2	10

Aqualube bearings available in sizes up to 30" in length, in brass and phenolic (non-metallic) material. Metric dimensions also available. Contact Michigan Wheel Europe Headquarters for Aqualube bearing part numbers and stock

For more information see: www.miwheel.com

THRU-HULL CONNECTIONS

Complete w/ Flange Nut
Deeper Caulking Area
Cast Bronze - Machined Finish

ORDER NO.	N.P.T. Size	Shank Length	Flange Diameter
506-00050	1/2"	2-1/8"	1-13/16"
506-00075	3/4"	2-3/8"	2-1/16"
506-00100	1"	2-3/4"	2-3/8"
506-00125	1-1/4"	3-1/4"	3-1/16"
506-00150	1-1/2"	3-1/2"	3-3/8"
506-00200	2"	4"	3-5/8"

THRU-HULL CONNECTIONS FLUSH TYPE

Complete w/ Flange Nut
Cast Bronze - Machined Finish

ORDER NO.	N.P.T. SIZE	SHANK LENGTH	SHANK DIAM.	FLANGE THICKNESS	FLANGE ANGLE
506-00751	3/4"	2-5/16"	2-1/2"	3/8"	45°

INTAKE STRAINER WITH FLANGE NUT

Cast Bronze

ORDER NO.	N.P.T. SIZE	STEM LENGTH	BASE SIZE
507-00075	3/4"	2-1/2"	2-3/4" x 3-3/4"

SCOOP STRAINER

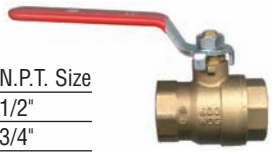
Cast Bronze, Plain Finish

ORDER NO	Outside Dimensions	Fits Thru-Hull
507-00500	5" x 3-1/4"	3/4"

For more information see: www.buckalgonquin.com

IN-LINE FORGED BRASS BALL VALVE

- C.S.A. Certified to C.G.A. (3.16) rated for 125 P.S.I.
- Temperature: -40ºF to 150ºF, -40ºC to 65ºC



PIPE Female To Female

ORDER NO.	Mfr. No.	N.P.T. Size
675-2103050	BV4103-D-SSH-PCC	1/2"
675-2103075	BV4103-E-SSH-PPC	3/4"
675-2103100	BV4103-H-SSH-PPC	1"
675-2103125	BV4103-J-SSH-PPC	1-1/4"
675-2103150	BV4103-K-SSH-PPC	1-1/2"
675-2103200	BV4103-M-SSH-PCC	2"

BALL TYPE SEACOCKS

Bronze Body
Hard Chromed Brass Ball, Teflon Rings
UL Listed (1121), Vinyl Coated Stainless Steel
Handle Rotates 1/4 turn "ON" and 1/4 turn "OFF"

ORDER NO.	Female N.P.T. Size
455-00075	3/4"
455-00100	1"
455-00125	1-1/4"
455-00150	1-1/2"
455-00200	2"
455-00250	2-1/2"

CAST BRASS HOSE BARB FITTINGS

ORDER NO.	Mfr. No.	Hose I.D.	N.P.T. Size
675-125050	125CA-8DPCC	1/2"	1/2"
675-125075	125CA-12EPCC	3/4"	3/4"
675-125100	125CA-16HPCC	1"	1"
675-125125	125CA-20JPCC	1-1/4"	1-1/4"
675-125150	125CA-24KPCC	1-1/2"	1-1/2"
675-125200	125CA-32MPCC	2"	2"
508-00250	00HN250	2-1/2"	2-1/2"

For more information see: www.fairviewfittings.com

90° PIPE TO HOSE ADAPTER

Bronze

For use with Bronze Ball Type Seacocks

ORDER NO.	N.P.T. Size	Hose I.D.
509-05075	1/2"	1/2"
509-00075	3/4"	3/4"
509-00100	1"	1"
509-00125	1-1/4"	1-1/4"
509-00150	1-1/2"	1-1/2"

For more information see: www.buckalgonquin.com

FIGS. 0493 & 0500 - CAST BRONZE

PERKO Water Strainers are Designed for Easy Installation and Cleaning. Features Include Mounting Lugs Cast into Both Sides to Assure Universal Mounting, Four Outside Tie Rods and a 304 Stainless Steel Strainer Basket to Minimize Electrolysis. Hinged Lugs for the Cast Bronze Cover Permit Easy Removal and Cleaning of the Strainer Basket. A Drain Plug in the Bottom Casting is Provided for Easily Removing Sediment and Draining for Winterizing.

For Applications Requiring Higher Capacity **See Fig. 0500** Below

Fig. 0493

MARINE UL LISTED STD 1193

Fig. 0500

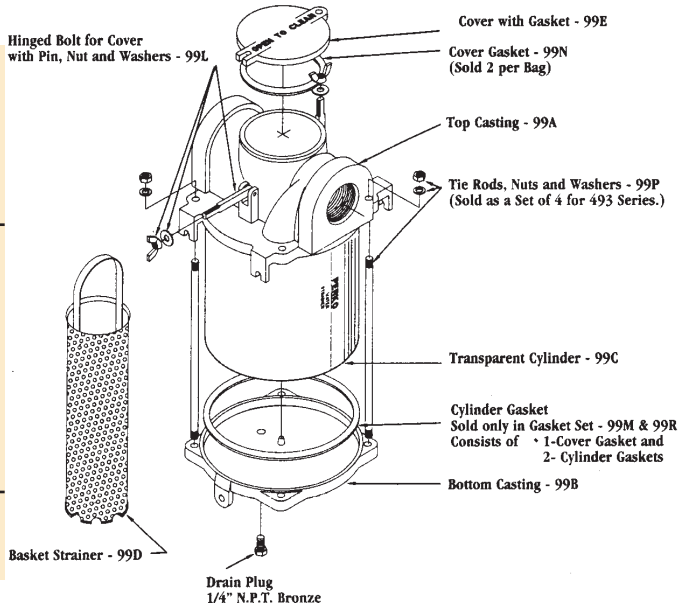
ORDERING INFORMATION FOR FIG. 0493

PIPE SIZE INCHES	HEIGHT OVERALL INCHES	WIDTH OVERALL INCHES	ORDER NO.	DIMENSIONS CYLINDER INCHES	DIMENSIONS BASKET INCHES	OPEN AREA TO PIPE SIZE RATIO	SPARE GASKET KIT* ORDER NO.
1/2	5-3/4	4-1/2	**621-49304**	3-1/2 x 4	1-13/16 x 4-3/8	30:1	**621-04935**
3/4	8-3/8	4-1/2	**621-49305**	3-1/2 x 6	1-13/16 x 6-1/4	25:1	**621-04935**
1	9-1/2	5-1/2	**621-49306**	4-1/2 x 5-1/2	2-5/8 x 5-7/8	20:1	**621-04937**
1-1/4	10	5-1/2	**621-49307**	4-1/2 x 6	2-5/8 x 6-1/4	13:1	**621-04937**
1-1/2	11-1/2	7-1/4	**621-49308**	6 x 8	3-5/16 x 8-7/16	17:1	**621-04939**
2	16	7-1/2	**621-49309**	6 x 12	3-5/16 x 12-1/4	13:1	**621-04939**
2-1/2	16	7-1/2	**621-49310**	6 x 12	3-5/16 x 12-1/2	10:1	**621-04939**

REPLACEMENT PARTS FOR INTAKE WATER STRAINER

BASKET STRAINER No. 99 D	TRANSPARENT CYLINDER No. 99 C	SPARE GASKET KIT * No. 99 M	FITS INTAKE STRAINER	
ORDER NO.	**ORDER NO.**	**ORDER NO.**	ORDER NO.	Pipe Size
493-04994	**493-04993**	**621-04935**	621-49304	1/2"
493-05994	**493-05993**	**621-04935**	621-49305	3/4"
493-06994	**493-06993**	**621-04937**	621-49306	1"
493-07994	**493-07993**	**621-04937**	621-49307	1-1/4"
493-08994	**493-08993**	**621-04939**	621-49308	1-1/2"
493-09994	**493-09993**	**621-04939**	621-49309	2"
493-10994	**493-10993**	**621-04939**	621-49310	2-1/2"

**Cork Spare Gasket Kit consists of 1 - Cover Gasket and, 2 - Cylinder Gasket*



MEGAWARE KEELGUARD/BOW GUARD

MEGAWARE KeelGuard®

Megaware KeelGuard is the original, patented do-it-yourself keel protector. Each kit comes with the tools you need to install the KeelGuard in less than one hour. Does it stay on? Yes, and we guarantee it. Each KeelGuard comes with an unsurpassed lifetime no hassles warranty against abrasion and adhesion failure. KeelGuard is so tough that it will protect your keel from grinding sand, abrasive rocks, and concrete boat ramps.

Without KeelGuard

With KeelGuard

Megaware KeelGuard is manufactured from a blend of the highest quality anti-abrasive materials resulting in ultra-tough protection against abrasion and wear. The combination of these materials and the extremely strong 3M pressure sensitive adhesive gives KeelGuard a superior bond, ensuring your boat a lifetime of protection and performance.

Megaware KeelGuard's patented hydrodynamic design ensures your boat or personal watercraft will not experience diminished speed or performance. KeelGuard often achieves greater top-end speed and enhanced handling on personal watercraft.

Beach your boat anywhere with a KeelGuard keel protector. KeelGuard is available in eleven* exciting colors to match your boat or personal watercraft. Used throughout the world by professionals, governments, defense forces, and boat owners, KeelGuard has a proven track record. With KeelGuard you can be confident you have the ultimate edge in protection and performance.

Recommended KeelGuard Length

5 ft. for boats 15 to 16 ft.
6 ft. for boats 17 to 18 ft.
7 ft. for boats 19 to 20 ft.
8 ft. for boats 21 to 22 ft.

Kit Includes:

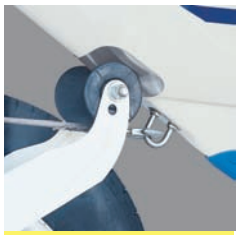
- *KeelGuard with 3M Adhesive*
- *Scotch Brite Etching Pad*
- *3M Primer*
- *Specially Designed Burnishing Tool*
- *Instruction Sheet and Warranty Card*
- *Life-time Warranty*

ORDER NO.	Mfr. No.	Size	Colour
660-20105	20105	5 ft.	White
660-20205	20205	5 ft.	Black
660-20505	20505	5 ft.	Grey
660-20106	20106	6 ft.	White
660-20206	20206	6 ft.	Black
660-20506	20506	6 ft.	Grey
660-20107	20107	7 ft.	White
660-20207	20207	7 ft.	Black
660-20507	20507	7 ft.	Grey
660-20108	20108	8 ft.	White
660-20208	20208	8 ft.	Black
660-20508	20508	8 ft.	Grey

***More sizes & colours available as Special Order.**
Product width: 5"

MEGAWARE ScuffBuster™

Without Bow Guard



With Bow Guard

Protect your boat's bow with Megaware's ScuffBuster BowGuard. Manufactured from tough anti-corrosive, 22-gauge 304 Stainless steel, the ScuffBuster BowGuard protects your boat from scuffs and scrapes when loading and trailering. The Scuffbuster BowGuard conforms easily to most bows and installs in just minutes using pressure sensitive 3M® pressure sensitive adhesive.

ORDER NO.	Mfr. No.	Description
660-26380	2638	Standard Size - 5.75" x 4.5".
660-80637	80637	XL Size - 9" x 8.75"

Model No. 80637

MEGAWARE PontoonGuard

Protect Vulnerable and Exposed Areas of your Pontoons

- Avoid unsightly dents and scrapes from docking your pontoon
- Super strong 1/4" ultra-tough polymer composite
- Do-it-yourself 3M bonding system
- 3-1/2" wide
- Add a custom sleek look to your pontoon
- Special 3M reflective safety strip increases visibility at night or while anchored or beached
- Machined contoured leading edge
- Contoured sides for clean, tight seal (no messy sealants needed)
- Patented burnishing tool included in kit
- 3-year warranty

For more information see: www.keelguard.com

ORDER NO.	Mfr. No.	Description
32 Ft. PontoonGuard		
For Pontoons up to 21ft.		
660-30232	30232	(2) 16 ft., Black
660-30532	30532	(2) 16 ft., Grey
660-31532	31532	(2) 16 ft., Blue
660-31632	31632	(2) 16 ft., Red
40 Ft.PontoonGuard		
For Pontoons 21ft. to 25ft.		
660-30240	30240	(2) 20 ft., Black
660-30540	30540	(2) 20 ft., Grey
660-31540	31540	(2) 20 ft., Blue
660-31640	31640	(2) 20 ft., Red

For more information see www.marinetrailerparts.com

SAVE YOUR SKEG WITH SKEGPRO!

Protect your motor's lower skeg with Megaware SkegPro. Manufactured from 304 stainless steel, the SkegPro protects against damage caused by ramp dragging, hitting rocks and grinding sand. Each SkegPro is polished to a mirror finish and looks great. Installs in just minutes, giving you years of protection. There is a SkegPro that fits virtually every motor.

- **Mirror-Polished Stainless Steel**
- **Corrosion Resistant for Harsh Marine Environments**
- **Improves the value and Custom Look of your Boat**

ORDER NO.	Mfr. No.	Model
660-02655	02655	SP655
660-02656	02656	SP656
660-02657	02657	SP657
660-02658	02658	SP658
660-02662	02662	SP662
660-02663	02663	SP663
660-02664	02664	SP664
660-02665	02665	SP665

APPLICATION CHART

EVINRUDE

SP658 - 40, 50 , 60 hp 2006-2008
SP657 - 75, 90 hp E-Tech 2005-2008
SP664 - 150, 175, 200 hp E-Tech 2005-2008
SP674 - 150, 200, 225, 250 HO E-Tech 2008-up
SP673 - 225 hp HO 2004

EVINRUDE/JOHNSON

SP665 - 115 hp 2005-up
SP663 - 115 hp Special 1985-2002
SP657 - 120,130 hp 1985-2002
SP661 - 150 hp 1985-2002
SP662 - 200, 225 hp 1985-2002
SP667 - 200 hp High Output 2003-2007

JOHNSON

SP658 - GT 150 hp
SP658 - 90, 115, 140 hp 4 Stroke 2003-up
SP658 - 90, 115, 120, 150, 175 hp V6 Magnum 2003-2007
SP657 - 90, 115, 120, 150, 175 hp V4 Stingray 2003-2007

FORCE

SP658 - 90, 120 hp 1996-up

HONDA

SP665 - BF 50 hp 2008
SP662 - BF 75, 90, 115, 130, 150 hp
SP658 - BF 135, 150hp 2007-2008
SP655 - BF 200, 225 hp 2006

MERCURY

SP655 - Mercruiser Alpha One 1973-up
SP667 - Mercruiser Bravo One 1994-up
SP668 - Mercruiser Bravo Two 1994-up
SP667 - Mercruiser Bravo Three 1992-up
SP665 - 15 hp Big Foot 4 Stroke 2003-up
SP665 - 25 hp Big Foot 4 Stroke 1998-up
SP655 - 40, 50 hp Big Foot 4 Stroke 2003-up
SP655 - 60 hp Big Foot 4 Stroke
SP665 - 40, 50 hp 1995-up
SP665 - 60 hp 4 Stroke & EFI
SP655 - 75, 90, 115 hp 2 & 4 Stroke
SP656 - 200 hp XR6 BlackMax EFI
SP656 - 225 hp 1997-up
SP658 - 225 hp Sportsmaster
SP656 - 135, 150, 175, 200, 225, 250 hp Verado 2005 -up
SP656 - 250 hp XS 2007-2010
SP664 - Classic 60, 75, 90, 125, 200 hp 2003-up
SP664 - Classic 115 hp 2003-up (also EXL PTO)
SP664 - Classic 150 hp XR4 & XR6
SP664 - EFI 135, 150, 200 hp 2003-up
SP656 - EFI 200 hp 3.0 L 2003-up
SP656 - EFI 225 hp 1997-up
SP655 - EFI Saltwater 90 hp 2005
SP655 - EFI Saltwater 115, 4 Stroke 2003-up
SP664 - EFI Saltwater 135, 150, 200 hp
SP656 - EFI Saltwater 225, 250 hp 2003-up
SP664 - Optimax 115, 135, 150 hp - 2008
SP655 - Optimax 200 hp & Saltwater - 2002
SP656 - Optimax 200 hp 2003-up
SP656 - Optimax Pro XS 175, 225, 250 hp - 2007-08
SP655 - Optimax 250 hp 2006
SP664 - Optimax Saltwater 135, 150, 175 hp 2003-up
SP656 - Optimax Saltwater 200, 225 hp 2003-up
SP656 - Pro XB 250 hp
SP655 - Tracker 75, 90 hp 2004
SP663 - Tracker 90 hp 2 Stroke 2005

OMC

SP667 - King Cobra Stern Drive 1990-1995
SP662 - Stern Drive 1983-1994 (Non King Cobra)

SUZUKI

SP658 - 60, 70 hp 2008
SP655 - DT 90, 150, 150 "S", 200, 225 hp
SP658 - DF 90, 115, 140 hp
SP655 - DF 150, 175, 200, 225, 250 hp
SP657 - 300 hp 2007-up

TOHATSU-NISSAN

SP664 - 70, 90 hp
SP655 - 140 hp

VOLVO-PENTA

SP658 - Duo Prop 2006
SP656 - SX 1997-2006

YAMAHA

SP665 - 40, 50, 60 hp 4 Stroke (Does not fit lower hp)
SP664 - 60, 70, 90 hp 2 Stroke 2003-2008
SP655 - 90 hp 4 Stroke EFI 2004
SP663 - 115, 130, 150, 200, 225 hp 2 & 4 Stroke 1996-up
SP655 - 250 hp 4 Stroke 2005 & 2008
SP669 - VMAX & EFI 150 hp TRP
SP660 - VMAX & EFI 150 hp 1996-2002
SP663 - VMAX, HPDI & EFI 150 hp 2003-up
SP661 - VMAX & EFI 150 hp Short Shaft
SP663 - VMAX, HPDI & EFI 175 2004-up
SP663 - VMAX & EFI 200, 225, 250 hp -2003
SP673 - VMAX & EFI 200, 225, 250, 300 hp & HPDI 2004
SP673 - VMAX 200 hp HPDI 2005
SP674 - VMAX, HPDI 200 hp with Large Powerhead 3.3 liter 2006-up
SP663 - VMAX, HPDI 200 hp with Small Powerhead 2.6 liter 2006-up
SP667 - VMAX 250 hp HPDI -2003
SP674 - VMAX & HPDI 225, 250, 300 hp 2005-up

NOTE: Model Nos. not on our chart but on the Application Chart above can be ordered by special order. Approx 2-3 weeks delivery.

SKEG PROTECTION

MEGAWARE SkegGuard®

The Megaware SkegGuard provides the best of two worlds.
It will protect and prevent damage to your motor's skeg and can also be used to repair and replace an already broken skeg.

- Mirror polished marine grade 316 stainless steel
- 3mm thickened lower wear tab protects against ramp dragging and is great for river running
- Drain hole prevents against corrosion and freezing
- Do-It-Yourself install in less than 10 minutes
- Installs with as little as 2-3" of skeg remaining
- 3 year warranty

ORDER NO.	Mfr. No.	Horsepower
		Evinrude
660-27121	27121	60 HP 2017 HO, 65-75 HP - 2 Stroke 2013-Present, 90-115-130 HP - 20" Shaft - 2 Stroke 2006-Present
660-27081	27081	90-115-130 HP (25" or 30" Shaft) 2 Stroke 2006-Present, 105-150 HP 1994-2001, 150 HP (20" Shaft) 2002-2006, 175-200 HP (20" Shaft) 2 Stroke 2006-Present, 225-250-300 HP 1994-2001
660-27281	27281	150-175-200-250-300 HP E-Tec G2 2015-Present (Cambered)
660-27091	27091	135-150-175-200 HP (25"/30" Shaft) - 2 Stroke 2006-Present, 225-250-300 HP - 2 Stroke 2002-Present
		Johnson
660-27101	27101	80 HP 1994-1998, 88 HP 1990-1996 90-100-115-120-140 HP 2 Stroke 1980-2001
660-27081	27081	90-115-130 HP (25" or 30" Shaft) 2 Stroke 2006-Present, 105-150 HP 1994-2001, 125 HP 1994-1998, 135 HP (20" Shaft) 2000-2006, 150 HP (20" Shaft) 2002-2006, 175-200 HP 1994-2001 225-250-300 HP 1994-2001 175-200 HP, (20" Shaft) 2 Stroke 2006-Present
660-27091	27091	135-150-175-200 HP (25"/30" Shaft) - 2 Stroke 2006-Present, 135 HP (25"/30" Shaft) 2000-2006, 225-250-300 HP - 2 Stroke 2002-Present
660-27121	27121	65-75 HP - 2 Stroke 2013-Present, 90-115-130 HP - 20" Shaft - 2 Stroke 2006-Present
		Force
660-27071	27071	70, 90 HP 2 Stroke 1998-2002 (Mercury)
660-27181	27181	85, 90,120, 125, 150 HP 2 Stroke 1988-1996 90, 120, 150 HP 2 Stroke "L" Drive 1988-1991
		Honda
660-27071	27071	75, 90, 115 HP 4 Stroke 1995-2007, 60 - 75 HP, 4 Stroke 2010-Present
		Mercruiser
660-27021	27021	Alpha I 1985-1990
660-27031	27031	Alpha I Generation II 1991-Present
660-27051	27051	Bravo I, III 1990-Present
660-27011	27011	Pre Alpha I Drives 1973-1984
		Mariner
660-27071	27071	50-60 HP Bigfoot 2003-2014, 70-90-100-115-125 HP Including Optimax 2 & 4 Stroke 1983-Present

For more information see www.keelguard.com

ORDER NO.	Mfr. No.	Horsepower
		Mercury/Mariner ***Do not fit Pro XS Models***
660-27071	27071	40-50-60 HP Bigfoot 2001-2013, 40-50 HP Command Thrust 2014-Present, 50 HP 4 Stroke, 1999-2013, 60 HP Command Thrust 2014-Present, 75 HP 2 & 4 Stroke 2003-2013, 90 HP 2 & 4 Stroke 2001-2013, 115 HP 2 Stroke 2014-2016, 125 HP 2003-2005
660-27211	27211	90-115 HP Command Thrust 4 Stroke 2014-Present, 150 HP 2014 Verado, 150-175 HP 4 Stroke 2008-Present, 200 HP 1995-Present, 200-225-250 HP 2 Stroke 1996-Present, 300 HP 2005-Present
660-27061	27061	90 HP 2014-2016, 115 HP 4 Stroke 2014-2016, 115 HP 2016 ProXS, 140 HP 2003-2005, 135-150-175 HP 2 Stroke 1987-Present 200 HP 1995-Present 225 HP 2 Stroke 1978-1995 250 HP 1978-1995
		Nissan / Tohatsu
660-27071	27071	70, 90, 115, 120, 140 HP 2 Stroke 1993-Present
		OMC COBRA
660-27101	27101	4 Cylinder 1986-1994
660-27081	27081	V6 & V8 Drive 1986-1994
		Suzuki Outboard ***Do not fit DFA Models***
660-27081	27081	300 HP 4 Stroke 2009-Present
660-27141	27141	150-175-200-225 HP - 2 Stroke 1986-2002, 150-175-200-225 HP - 4 Stroke 2003-Present
660-27151	27151	250SS, 300 HP 4 Stroke 2006-2011
		Volvo Penta Inboard/Outboard
660-27221	27221	SX Single Prop 1995-2006,
660-27191	27191	DP Dual Prop 1996-2007
		Yamaha Outboard - ***Models will not fit HPDI units with a curved skeg***
660-27071	27071	60, 70, 80, 90, 100 HP 2 & 4 Stroke 1998-2001
660-27321	27321	60, 70, 75, 80, 90, 100 HP 2 & 4 Stroke 2002-Present
660-27151	27151	150-175 HP 2 & 4 Stroke 1984-Present, 200 HP 2 Stroke HPDI 2000-2012, 200 HP 4 Stroke 2.8L I4 2012-Present 350 HP 4 Stroke 2007-Present 115, 130, 225, 250 HP 2 Stroke 1984-1999 I/O Stern Drives All Models 1989-1993
660-27331	27331	40, 50 HP 2 & 4 Stroke 2001-Present
660-27041	27041	200-225-250 HP 4 Stroke VMAX SHO 2013-Present (Cambered), 200 HP V Max HPDI 2004-2010

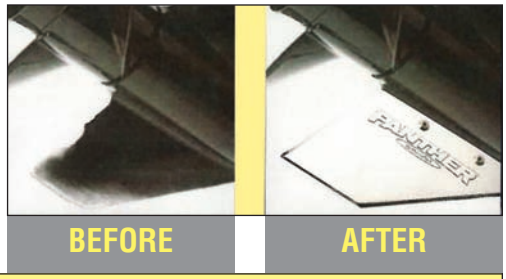
SKEG PROTECTION

PANTHER

PANTHER'S FULL-LINE OF ULTIMATE SKEG PROTECTION & REPAIR

Whether you're looking to protect your new skeg, repair your damaged one, or just add some shine, the 316 marine grade, stainless steel construction Safe-Skeg is brilliantly polished and ready to install.

Kits include:
Mounting hardware, instructions, allen wrench and Loctite 262.



ORDER NO.	Mfr. No.	Motor - Horsepower - Stroke - Year Range
		Evinrude/Johnson Outboard
949-35630	35-SS630	150-175-185-200-225hp-2 Stroke (1986-2003), 150 DBX & DPL (E-TEC)-2 Stroke (2004-Present), 225-250hp DCX, DCZ, DPX (E-TEC)-2 Stroke (2004-Present), 175-200hp DPL, DSL Blue (E-TEC)-2 Stroke (2004-Present)
949-35635	35-SS635	90-100-115-120-140hp-2 Stroke (1980-2001)
949-35640	35-SS640	60-70hp-2 Stroke (1984-2002), 40-50 & 60hp (E-TEC)-2 Stroke (1984-2013)
949-35670	35-SS670	150hp DCX & DPX (E-TEC)-2 Stroke (2004-Present), 175-200hp DCX, DPX (E-TEC)-2 Stroke (2004-Present), 225-250hp DPL Blue (E-TEC)-2 Stroke (2004-Present),
949-35675	35-SS675	75 & 90 (E-TEC)-2 Stroke (2002-2008) 100-115hp-2 Stroke (2003-2005) 115hp, DBX, DCX, DPX (E-TEC)-2 Stroke (2006-2008)
949-35680	35-SS680	60-70-90-115-140hp by Suzuki-4 Stroke (1999-2003)
949-35710	35-SS710	40-50hp by Suzuki-4 Stroke (1999-2003)
		Force Outboard
949-35625	35-SS625	70-90hp by Mercury-2 Stroke (1998-2002)
949-35650	35-SS650	70-75hp-2 Stroke (1991-1997)
		Honda Outboard
949-35625	35-SS625	75-90-115hp-4 Stroke (1995-2007)
949-35650	35-SS650	35-40-45-50-90hp-4 Stroke (1991-Present)
949-35685	35-SS685	135-150-200-225hp-4 Stroke (2004-Present), 115hp-4 Stroke (2010-Present)
		MerCruiser Inboard/Outboard
949-35600	35-SS600	MerCruiser Pre Alpha I Drive (1973-1984)
949-35605	35-SS605	MerCruiser Alpha I Drives (1985-1990)
949-35610	35-SS610	MerCruiser Alpha 1 Gen II Drives (1991-Present)
949-35615	35-SS615	MerCruiser Bravo 1 & 3 Drives (1990-Present)
		Mercury/Mariner Outboards
949-35620	35-SS620	135-150hp-175-200hp Optimax-2 & 4 Stroke (1978-2011), 225hp-2 Stroke (1978-1995)
949-35625	35-SS625	50-60hp (Big Foot)-2 & 4 Stroke (2003-Present), 70-75-80hp-2 & 4 Stroke (1984-Present), 70-90-100-115-125hp Optimax-2 & 4 Stroke (1983-Present)

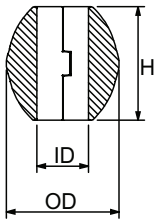
For more information see www.panthermarineproducts.com

PANTHER

ORDER NO.	Mfr. No.	Horsepower
		Mercury/Mariner Outboards continued
949-35650	35-SS650	40-50-60hp-2 Stroke (1986-2002)
949-35660	35-SS660	200-225hp Optimax-2 Stroke (1996-2004). 225-250-275-300hp Verado-4 Stroke (2005-Present)
949-35710	35-SS710	40-50-60hp-2 & 4 Stroke (2003-Present)
949-35715	35-SS715	Verado & Optimax 150-300hp-4 Stroke (2012-Present)
		Nissan Outboard
949-35625	35-SS625	70-90-115-120-140hp-2 Stroke (1993-2010)
949-35650	35-SS650	35-40-50hp-2 Stroke (1993-2010)
		OMC Inboard/Outboard COBRA
949-35630	35-SS630	Cobra V6 & V8 Cylinder Drives (1986-1994)
949-35635	35-SS635	Cobra 4 Cylinder Drives (1984-1986)
		Suzuki Outboard
949-35630	35-SS630	300hp-4 Stroke (2009-2011)
949-35645	35-SS645	150-175-200-225hp-2 Stroke (1986-2002) 150-175-200-225hp-4 Stroke (2003-Present) 250SS & 300hp-4 Stroke (2006-2011)
949-35650	35-SS650	40-50-60-70hp-4 Stroke (2003-Present)
949-35680	35-SS680	90-115-140hp-4 Stroke (2003-Present)
		Tohatsu Outboard
949-35625	35-SS625	70-90-115-120-140hp-2 Stroke (1993-Present)
949-35650	35-SS650	35-40-50hp-2 Stroke (1993-Present)
		Volvo Penta Inboard/Outboard
949-35655	35-SS655	DP Drives (Dual Prop) (1996-2007), SX Drives (Single Prop) (2007-Present),
949-35665	35-SS665	SX Drives (1995-2006)
		Yamaha Outboard - Yamaha Inboard/Outboard
949-35625	35-SS625	60-70-80-90-100hp-2 & 4 Strokes (1998-2001)
949-35645	35-SS645	115-130hp-2 Stroke (1984-2002), 150hp-2 & 4 Stroke (1984-Present), 175-200-225-250hp-2 Stroke (1984-2002) 350hp-4 Stroke (2009-Present), 3.0L thru 5.7L (1989-1993)
949-35650	35-SS650	40-48 & 50-85hp CV-2 Stroke (1984-2000)
949-35690	35-SS690	115-130hp-2 Stroke (2003-Present), 115-130hp-4 Stroke (2000-Present)
949-35695	35-SS695	200-225-250-300hp-2 & 4 Stroke (2003-Present)
949-35700	35-SS700	60-70-80-90-100hp-2 & 4 Stroke (2002-Present)
949-35705	35-SS705	40-50hp-2 & 4 Stroke (2001-2011)
949-35720	35-SS720	V Max SHO 200-225-250hp-4 Stroke (2013-Present)
949-35000	35SSKIT-1	Safe-Skeg Hardware Kit

STREAMLINED SHAFT ANODES

	ORDER NO.	Mfr. No.	H	OD.	ID.
ZN	018-60370	CMX01	2"	2.04"	0.75"
MG	888-60370	CMX01M	2"	2.04"	0.75"
ZN	018-60380	CMX02	2.08"	2.12"	0.875"
MG	888-60380	CMX02M	2.08"	2.12"	0.875"
ZN	018-60390	CMX03	2.15"	2.16"	1"
MG	888-60390	CMX03M	2.15"	2.16"	1"
ZN	018-60400	CMX04	2.25"	2.36"	1.125"
MG	888-60400	CMX04M	2.25"	2.36"	1.125"
ZN	018-60410	CMX05	2.35"	2.42"	1.25"
MG	888-60410	CMX05M	2.35"	2.42"	1.25"
ZN	018-60420	CMX06	2.35"	2.66"	1.375"
MG	888-60420	CMX06M	2.35"	2.66"	1.375"
ZN	018-60430	CMX07	2.50"	2.78"	1.50"
MG	888-60430	CMX07M	2.50"	2.78"	1-.50"
ZN	018-60440	CMX08	2.75"	3.25"	1.75"
MG	888-60440	CMX08M	2.75"	3.25"	1.75"

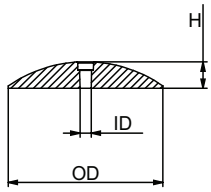


STREAMLINED SHAFT ANODES

	ORDER NO.	Mfr. No.	H	OD.	ID.
MG	888-60450	CMX09M	2.9"	3.6"	2"
MG	888-60500	CMX10M	3.75"	4.18"	2.25"
MG	888-60490	CMX11M	3.75"	4.18"	2.50"
MG	888-60520	CMX12M	3.625"	4.8"	2.75"
MG	888-60530	CMX13M	3.625"	4.8"	3"
MG	888-60540	CMX14M	4.17"	4.8"	3.25"
MG	888-60550	CMX15M	3.78"	5.5"	3.50"

RUDDER / TRIM TAB ANODES

	ORDER NO.	Mfr. No.	H	ID.	OD.
ZN	018-60450	CMR01	0.35"	0.20"	1.87"
MG	888-61050	CMR01M	0.35"	0.20"	1.87"
ZN	018-60460	CMR02	0.50"	0.28"	2.81"
MG	888-60460	CMR02M	0.50"	0.28"	2.81"
ZN	018-60470	CMR03	0.50"	0.34"	3.75"
MG	888-61060	CMR03M	0.50"	0.34"	3.75"
ZN	018-61070-CM	CMR04	0.65"	0.34"	5"
MG	888-61070	CMR04M	0.65"	0.34"	5"
ZN	018-61080-CM	CMR05	0.87"	0.37"	5.12"
MG	888-61080	CMR05M	0.87"	0.37"	5.12"
ZN	018-61090-CM	CMR07	0.87"	0.32"	6.87"



For more information see:
www.martyranodes.com

GROUPER/ HULL ANODES

***IMPORTANT* DO NOT Connect to Battery*

	ORDER NO.	Mfr. No.	L	W.	H
MG	888-00000	CMGROUPERM	7.70"	2.92"	1-89"

ALUMINUM

- For use in salt & brackish water
- Proven to last longer than zinc due to increased capacity
- Alloy is manufacturered to meet or exceed US Military Specification (MIL-A-24779(SH))

MAGNESIUM

- Only for use in fresh water
- Not recommended for use in salt or brackish water
- The only alloy proven to protect your boat in fresh water

ZINC

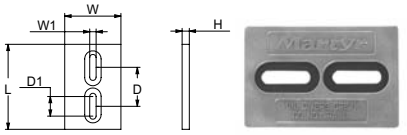
- For use in salt water
- Not recommended for use in fresh water
- Alloy is manufacturered to meet or exceed US Military Specification (MIL-A-18001K)

SEE SIERRA CATALOGUE FOR ADDITIONAL ANODES

ZINC	ALUMINUM	MAGNESIUM
• For use in salt water • Not recommended for use in fresh water • Alloy is manufacturered to meet or exceed US Military Specification (MIL-A-18001K)	• For use in salt & brackish water • Proven to last longer than zinc due to increased capacity • Alloy is manufacturered to meet or exceed US Military Specification (MIL-A-24779(SH))	• Only for use in fresh water • Not recommended for use in salt or brackish water • The only alloy proven to protect your boat in fresh water

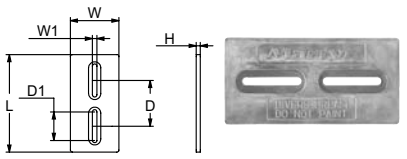
DIVER'S DREAM

	ORDER NO.	Mfr. No.	L	W	H	D	D1	W1
MG	525-00001	CMDIVERMINIM	5.9"	3.9"	0.5"	2.7"	1.36"	0.44"



DIVER'S DREAM

	ORDER NO.	Mfr. No.	L	W	H	D	D1	W1
AL	888-11114	CMDIVERA	12"	6"	0.5"	5.5"	3.50"	0.50"
MG	525-00002	CMDIVERM	12"	6"	0.5"	5.5"	3.50"	0.50"

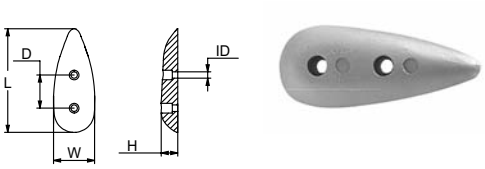


HULL ANODES - SMALL TEAR DROP

	ORDER NO.	Mfr. No.	L	W	H	D	ID.
ZN	018-60480	CMT20Z	3.4"	1.8"	0.6"	1.28"	0.25"
MG	888-60480	CMT20M	3.4"	1.8"	0.6"	1.28"	0.25"

HULL ANODES - MEDIUM TEAR DROP

ZN	018-60490	CMT21	5"	2"	0.80"	1.63"	0.31"
AL	890-60490	CMT21A	5"	2"	0.80"	1.63"	0.31"



For more information see: www.martyranodes.com

ENGINE COOLING SYSTEM PENCIL ANODES

	ORDER NO.	Mfr. No.	L	OD	THD1
ZN	018-60500	CMEZ00	2"	1/4"	1/4"
ZN	018-60510	CMEZ0	1-3/4"	3/8"	5/16"
ZN	018-60520	CMEZ1	1-3/4"	1/2"	3/8"
ZN	018-60530	CMEZ1H	2"	3/8"	3/8"
ZN	018-60540	CMEZ2	2"	5/8"	7/16"
ZN	018-60550	CMEZ3	2"	3/4"	1/2"
ZN	018-60560	CMEZ4	3-3/8"	3/4"	1/2"
ZN	018-60570	CMEZ5	3-5/8"	3/4"	1/2"

SEE SIERRA CATALOGUE FOR ADDITIONAL ANODES

BRP™ ANODES

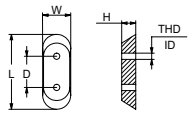
Martyr ANODES

ZINC	ALUMINUM	MAGNESIUM
• **For use in Salt Water** • Not recommended for use in fresh water • Alloy is manufacturered to meet or exceed US Military Specification (MIL-A-18001K)	• **For use in Salt & Brackish Water** • Proven to last longer than zinc due to increased capacity • Alloy is manufacturered to meet or exceed US Military Specification (MIL-A-24779(SH))	• **Only for use in Fresh Water** • Not recommended for use in salt or brackish water • The only alloy proven to protect your boat in fresh water

BRP™ OMC/JOHNSON EVINRUDE ANODES

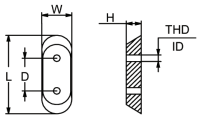
Engines 70 - 90 HP

	ORDER NO.	Mfr. No.	L	W	H	D	THREAD	D1	ID
MG	018-61000-CM	CM123009M	2.4"	0.9"	0.45"	1"	10-24 UNC	-	-
ZN	018-60170	CM123009Z	2.4"	0.9"	0.45"	1"	10-24 UNC	-	-



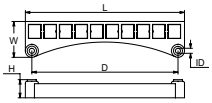
Johnson 2 - 150 HP

	ORDER NO.	Mfr. No.	L	W	H	D	D1	ID
MG	888-327606	CM327606M	2.4"	0.9"	0.45"	1"	-	5.1



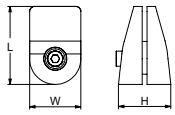
OMC P

	ORDER NO.	Mfr. No.	L	W	H	D	D1	ID
MG	888-000367	CM367M	7.6"	1.7"	0.87"	7.05"	-	0.25"
ZN	018-60200	CM367Z	7.6"	1.7"	0.87"	7.05"	-	0.25"



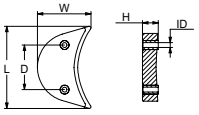
SailDrive

	ORDER NO.	Mfr. No.	L	W	H	D	D1	ID
MG	888-389999	CM389999M	1.9"	1.23"	1.28"	-	-	-
ZN	018-60310	CM389999Z	1.9"	1.23"	1.28"	-	-	-



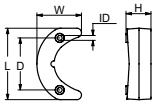
OMC 90 - 140 HP - Johnson 90 - 140 HP - Evinrude 90 - 140 HP

	ORDER NO.	Mfr. No.	L	W	H	D	D1	ID
MG	888-392123	CM392123M	4.7"	3"	0.88"	2.5"	-	0.27"
ZN	018-60270	CM392123Z	4.7"	3"	0.88"	2.5"	-	0.27"



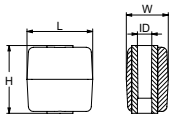
OMC 50 - 75 HP - Johnson 50 - 75 HP - Evinrude 50 - 75 HP

	ORDER NO.	Mfr. No.	L	W	H	D	D1	ID
MG	888-392462	CM392462M	4"	2.5"	1.4"	2.9"	-	0.27"
ZN	018-60260	CM392462Z	4"	2.5"	1.4"	2.9"	-	0.27"



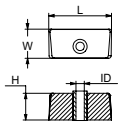
OMC 50, 60, 70 - 90 - 140 HP, Johnson 50 - 115 - 120 - 140 HP

	ORDER NO.	Mfr. No.	L	W	H	D	D1	ID
MG	888-393023	CM393023M	1.6"	1"	1.63"	-	-	0.32"
ZN	018-60240	CM393023Z	1.6"	1"	1.63"	-	-	0.32"



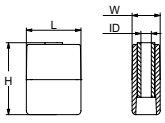
OMC Cobra

	ORDER NO.	Mfr. No.	L	W	H	D	D1	ID
MG	888-397768	CM397768M	2.5"	1.2"	1.1"	-		0.32"



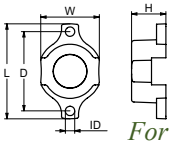
Johnson 160-280 HP (V4 - V6) Evinrude

	ORDER NO.	Mfr. No.	L	W	H	D	D1	ID
MG	888-398331	CM398331M	1.75"	0.9"	2.25"	-	-	0.32"
ZN	018-60250-CM	CM398331Z	1.75"	0.9"	2.25"	-	-	0.32"



Johnson 737

	ORDER NO.	Mfr. No.	L	W	H	D	D1	ID
MG	888-398873	CM398873M	3"	1.9"	1.1"	2.54"	-	0.3"
ZN	398-87300	CM398873Z	3"	1.9"	1.1"	2.54"	-	0.3"

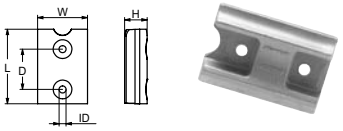


For more information see:
www.martyranodes.com

BRP™ OMC/JOHNSON EVINRUDE ANODES

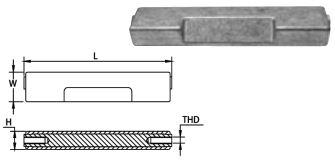
Johnson - Evinrude - Diabolo 70 - 120 HP

	ORDER NO.	Mfr. No.	L	W	H	D	D1	ID
MG	888-431708	CM431708M	3"	2"	0.9"	1.6"	-	0.27"
ZN	018-60950	CM431708Z	3"	2"	0.9"	1.6"	-	0.27"



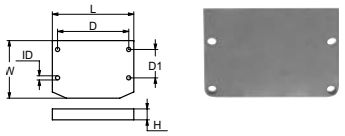
Johnson - Evinrude - Diabolo 70 - 120 HP

	ORDER NO.	Mfr. No.	L	W	H	THREAD
MG	888-507089	CM5007089M	6.86"	1.37"	0.84"	5/16-18 UNC
ZN	072-40790	CM5007089Z	6.86"	1.37"	0.84"	5/16-18 UNC



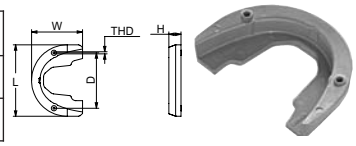
Johnson - Evinrude - Diabolo 70 - 120 HP

	ORDER NO.	Mfr. No.	L	W	H	D	D1	ID
MG	888-980756	CM980756M	4.6"	3.2"	0.6"	4"	1.6"	0.28"
ZN	018-60300	CM980756Z	4.6"	3.2"	0.6"	4"	1.6"	0.28"



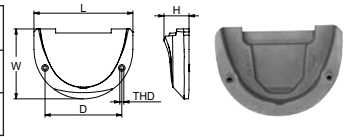
Johnson - Evinrude - Diabolo 70 - 120 HP

	ORDER NO.	Mfr. No.	L	W	H	D	THREAD	D1	ID
MG	888-983494	CM983494M	5.72"	4.09"	0.98"	4.44"	1/4-20 UNC	-	-
ZN	018-61010-CM	CM983494Z	5.72"	4.09"	0.98"	4.44"	1/4-20 UNC	-	-



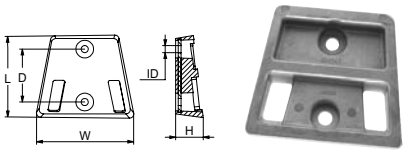
OMC Cobra 87 - 1993

	ORDER NO.	Mfr. No.	L	W	H	D	THREAD	D1	ID
MG	018-61020-CM	CM984513M	5.7"	4.1"	1.6"	4.44"	1/4-20 UNC	-	-
ZN	018-60280-CM	CM984513Z	5.7"	4.1"	1.6"	4.44"	1/4-20 UNC	-	-



OMC Cobra Bassaa

	ORDER NO.	Mfr. No.	L	W	H	D	D1	ID
MG	888-984547	CM984547M	3.8"	4.5"	1.24"	2.25"	-	0.38"
ZN	018-61030-CM	CM984547Z	3.8"	4.5"	1.24"	2.25"	-	0.38"



BOMBARDIER (JOHNSON / EVINRUDE) ANODE KITS

	ORDER NO.	Mfr. No.	Contains	Fits
AL	890-61010-A	CMSTRGERKITA	CM983494 x 1 CM393023 x 1 CM431708 x 1	BRP OMC Stringer
MG	889-61010-M	CMSTRGERKITM		

	ORDER NO.	Mfr. No.	L	Fits
AL	890-61020-A	CMCOBRAKITA	CM984513 x 1 CM393023 x 1 CM431708 x 1	BRP OMC Cobra
MG	889-61020-M	CMCOBRAKITM		

	ORDER NO.	Mfr. No.	L	Fits
AL	890-02000	CMETECG2KITA	CM5007089 x 1 CM355964 x 1 CM357507 x 1 CM5009138 x 1	BRP Evinrude E-TEC G2
MG	889-02000	CMETECG2KITM		

NEW!

SEE SIERRA CATALOGUE FOR ADDITIONAL ANODES

Note: All Kits include Fastening Hardware, Installation Instructions, & All of the Anodes required for 100% Protection.

HONDA™ ANODES / KITS

ZINC	ALUMINUM	MAGNESIUM
• **For use in Salt Water** • Not recommended for use in fresh water • Alloy is manufacturered to meet or exceed US Military Specification (MIL-A-18001K)	• **For use in Salt & Brackish Water** • Proven to last longer than zinc due to increased capacity • Alloy is manufacturered to meet or exceed US Military Specification (MIL-A-24779(SH))	• **Only for use in Fresh Water** • Not recommended for use in salt or brackish water • The only alloy proven to protect your boat in fresh water

BOMBARDIER (JOHNSON / EVINRUDE) ANODE KITS CONTINUED...

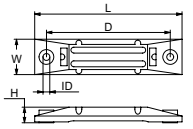
	ORDER NO.	Mfr. No.	L	Fits
AL	890-05075	CMOMC5075KITA	CM393023 x 1 CM392462 x 1	BRP OMC 50-75hp
MG	889-05075	CMOMC5075KITM		

	ORDER NO.	Mfr. No.	L	Fits
AL	890-60240-A	CMOMCV4V6KITA	CM393023 x 1 CM392462 x 1	BRP OMC V4-V6
MG	889-60240-M	CMOMCV4V6KITM		

HONDA™ ANODES

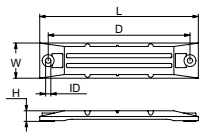
40 - 50 HP

	ORDER NO.	Mfr. No.	L	W	H	D	ID
MG	888-64115	CM06411ZV5M	5.9"	1.4"	0.6	4.9	0.3"
ZN	064-11500	CM06411ZV5Z	5.9"	1.4"	0.6	4.9	0.3"



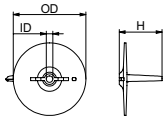
75 - 130 HP - 225 HP

	ORDER NO.	Mfr. No.	L	W	H	D	ID
MG	888-64111	CM06411ZW1M	8.8"	2"	0.6	7.9	0.3"
ZN	064-11100	CM06411ZW1Z	8.8"	2"	0.6	7.9	0.3"



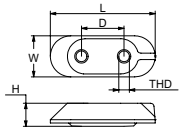
Mariner 10 - 50 HP - Yamaha 20 - 25 - 30 - 40 - 50 HP

	ORDER NO.	Mfr. No.	OD	H	D	ID
MG	018-61130-CM	CM6644537101M	3.8"	2.2	-	0.33"
ZN	018-60960-CM	CM6644537101Z	3.8"	2.2	-	0.33"



Honda BF2 - BF15A

	ORDER NO.	Mfr. No.	L	W	H	D	THREAD
MG	888-25111	CM6E04525111M	2.5"	1"	0.5"	1"	M6
ZN	045-25111	CM6E04525111Z	2.5"	1"	0.5"	1"	M6



HONDA™ ANODE KITS

	ORDER NO.	Mfr. No.	Contains	Fits
AL	890-75115	CMHBF75115KITA	CM41107ZW1B01 x 1 CM0641ZW1 x 1 CM41109ZW1B00 x 2	Honda BF75-90-115
MG	889-75115	CMHBF75115KITM		

Note: All Kits include Fastening Hardware, Installation Instructions, & All of the Anodes required for 100% Protection.

SEE SIERRA CATALOGUE FOR ADDITIONAL ANODES

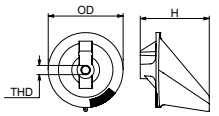
For more information see: www.martyranodes.com

ZINC	ALUMINUM	MAGNESIUM
• **For use in Salt Water** • Not recommended for use in fresh water • Alloy is manufacturered to meet or exceed US Military Specification (MIL-A-18001K)	• **For use in Salt & Brackish Water** • Proven to last longer than zinc due to increased capacity • Alloy is manufacturered to meet or exceed US Military Specification (MIL-A-24779(SH))	• **Only for use in Fresh Water** • Not recommended for use in salt or brackish water • The only alloy proven to protect your boat in fresh water

MERCURY™ MERCRUISER™ ANODES

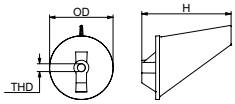
Mercury 50 HP

	ORDER NO.	Mfr. No.	OD	H	THREAD
AL	888-62410	CM31640A	3.6"	3.3"	7/16-14 UNC
MG	018-62410-CM	CM31640M	3.6"	3.3"	7/16-14 UNC
ZN	018-60110	CM31640Z	3.6"	3.3"	7/16-14 UNC



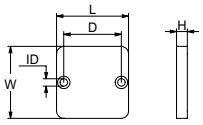
Mercruiser 80 - 140 HP

	ORDER NO.	Mfr. No.	OD	H	THREAD
MG	888-34127	CM34127M	3.5"	5"	7/16-14 UNC
ZN	018-60120	CM34127Z	3.5"	5"	7/16-14 UNC



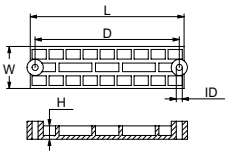
Merc Alpha I 1983 - 1989

	ORDER NO.	Mfr. No.	L	W	H	D	ID
MG	888-34762	CM34762M	2.5"	2.5"	0.38"	2"	0.25"
ZN	018-60130	CM34762Z	2.5"	2.5"	0.38"	2"	0.25"



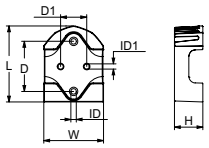
Mercury 25 HP /50/60/75 - Mercruiser E.B. 90 / 100 Sino 91 115/190 - Superamerica 80/115

	ORDER NO.	Mfr. No.	L	W	H	D	ID
MG	888-43396	CM43396M	7.56"	2"	0.6"	7"	0.29"
ZN	018-60030	CM43396Z	7.56"	2"	0.6"	7"	0.29"



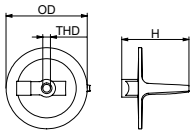
Mercury F.BB - Mercruiser E.B. / Alpha Gen 2 + Bravo

	ORDER NO.	Mfr. No.	L	W	H	D	D1	ID	ID1
MG	018-62430-CM	CM43994M	4"	3.1"	1.5"	2.6"	1.36"	0.28"	0.26"
ZN	018-60660-CM	CM43994Z	4"	3.1"	1.5"	2.6"	1.36"	0.28"	0.26"



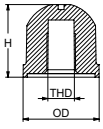
50 - 140 HP

	ORDER NO.	Mfr. No.	OD	H	THREAD
MG	888-46399	CM46399M	3.6"	3.3"	7/16-14 UNC
ZN	018-60140-CM	CM46399Z	3.6"	3.3"	7/16-14 UNC



Mercury 50 HP

	ORDER NO.	Mfr. No.	OD	H	THREAD
AL	888-62420	CM55989A	1.2"	1.2"	1/2-13 UNC
MG	018-62420-CM	CM55989M	1.2"	1.2"	1/2-13 UNC
ZN	018-60150	CM55989Z	1.2"	1.2"	1/2-13 UNC



SEE SIERRA CATALOGUE FOR ADDITIONAL ANODES

For more information see: www.martyranodes.com

MERCURY™ MERCRUISER™ ANODES

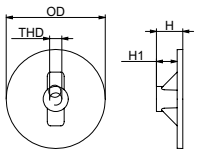
Martyr ANODES

ZINC	ALUMINUM	MAGNESIUM
• **For use in Salt Water** • Not recommended for use in fresh water • Alloy is manufacturered to meet or exceed US Military Specification (MIL-A-18001K)	• **For use in Salt & Brackish Water** • Proven to last longer than zinc due to increased capacity • Alloy is manufacturered to meet or exceed US Military Specification (MIL-A-24779(SH))	• **Only for use in Fresh Water** • Not recommended for use in salt or brackish water • The only alloy proven to protect your boat in fresh water

MERCURY™ MERCRUISER™ ANODES

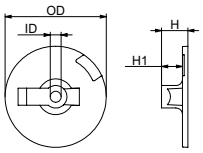
Verado & Bravo

	ORDER NO.	Mfr. No.	OD	H	H1	THREAD
MG	525-60160	CM76214M	3.54"	0.94"	0.75	7/16-14 UNC



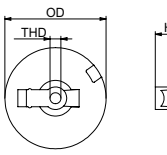
Bravo

	ORDER NO.	Mfr. No.	OD	ID	H	H1
AL	891-762144	CM762144A	3.63"	0.94"	0.75	0.50
MG	888-762144	CM762144M	3.63"	0.94"	0.75	0.50



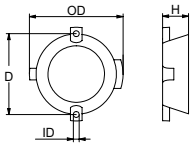
Mercury Alpha

	ORDER NO.	Mfr. No.	OD	H	THREAD
AL	888-60160	CM762145A	3.6"	0.9"	7/16-14 UNC
MG	888-762145	CM762145M	3.6"	0.9"	7/16-14 UNC
ZN	018-60160	CM762145Z	3.6"	0.9"	7/16-14 UNC



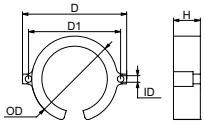
Mercruiser Alpha I - Alpha II Generation

	ORDER NO.	Mfr. No.	OD	ID	H	D
AL	888-60790	CM806105A	3.3"	0.2"	0.9	2.9
MG	018-60790	CM806105M	3.3"	0.2"	0.9	2.9
ZN	018-60930	CM806105Z	3.3"	0.2"	0.9	2.9



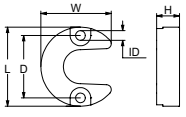
Bravo I & Bravo III

	ORDER NO.	Mfr. No.	OD	ID	D	D1	H
AL	888-18800	CM806188A	2.75"	0.2"	3.3	2.91	0.9
MG	888-806188	CM806188M	2.75"	0.2"	3.3	2.91	0.9
ZN	806-18800	CM806188Z	2.75"	0.2"	3.3	2.91	0.9



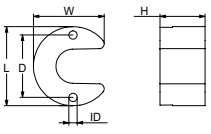
Pistons Mercruiser Alpha

	ORDER NO.	Mfr. No.	L	W	H	D	ID
AL	888-60140	CM806189A	1.9"	1.7"	0.5	1.5	0.2
MG	018-61140-CM	CM806189M	1.9"	1.7"	0.5	1.5	0.2
ZN	018-60670	CM806189Z	1.9"	1.7"	0.5	1.5	0.2



Pistons Mercruiser Bravo

	ORDER NO.	Mfr. No.	L	W	H	D	ID
AL	888-60890	CM806190A	2"	1.8"	0.2	1.5	2
MG	018-60890-CM	CM806190M	2"	1.8"	0.2	1.5	2
ZN	018-60920	CM806190Z	2"	1.8"	0.2	1.5	2



SEE SIERRA CATALOGUE FOR ADDITIONAL ANODES

For more information see: www.martyranodes.com

ZINC	ALUMINUM	MAGNESIUM
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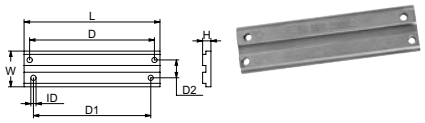
MERCURY™ MERCRUISER™ ANODES

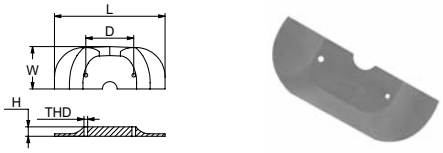
40 HP A V6 135/150/175 Verado

	ORDER NO.	Mfr. No.	L	W	H	D	DI	D2	ID
AL	888-29800	CM818298A	7.62"	2"	0.47	7	6.58	1.0	0.27
MG	888-818298	CM818298M	7.62"	2"	0.47	7	6.58	1.0	0.27
ZN	818-29800	CM818298Z	7.62"	2"	0.47	7	6.58	1.0	0.27



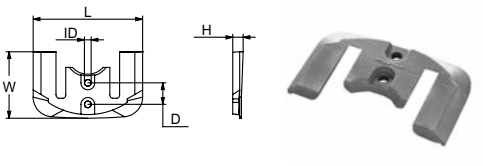
Alpha I - Alpha II Generation

	ORDER NO.	Mfr. No.	L	W	H	D	THREAD
AL	888-60990	CM821629CA	7.5"	2.88"	0.64	3.25	1/4-20 UNC
MG	018-60990	CM821629CM	7.5"	2.88"	0.64	3.25	1/4-20 UNC
ZN	018-60800-CM	CM821629CZ	7.5"	2.88"	0.64	3.25	1/4-20 UNC



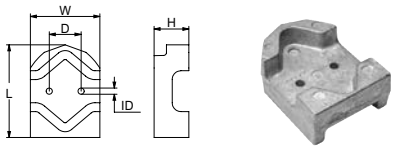
Bravo I / II / III

	ORDER NO.	Mfr. No.	L	W	H	D	ID
AL	888-62400	CM821630C2A	7"	4.25"	0.56	1.38	0.44
MG	018-62400-CM	CM821630C2M	7"	4.25"	0.56	1.38	0.44
ZN	018-60940-CM	CM821630C2Z	7"	4.25"	0.56	1.38	0.44



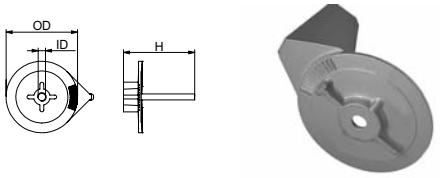
Mercury F. BB - Mercruiser E.B.

	ORDER NO.	Mfr. No.	L	W	H	D	ID
AL	888-62430	CM821631A	4"	3"	1.5	1.38	0.27
MG	888-821631	CM821631M	4"	3"	1.5	1.38	0.27



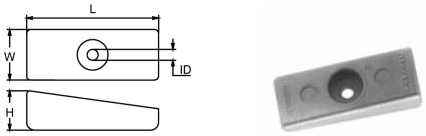
F25-F50

	ORDER NO.	Mfr. No.	OD	ID	H
MG	888-822157	CM822157C2M	3.65	0.36	3.2
ZN	822-15700	CM822157C2Z	3.65	0.36	3.2



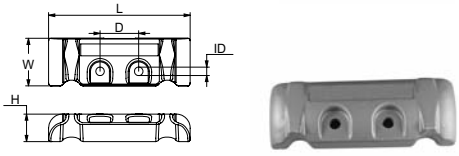
Mercury Outboards & Alpha I Gen II

	ORDER NO.	Mfr. No.	L	W	H	ID
AL	888-60680	CM826134A	3"	1.16"	0.90	0.25
MG	888-826134	CM826134M	3"	1.16"	0.90	0.25
ZN	018-60680-CM	CM826134Z	3"	1.16"	0.90	0.25



Mercury Verdado

	ORDER NO.	Mfr. No.	L	W	H	D	ID
MG	888-880653	CM880653M	5"	1.7"	1	1.4	0.27



SEE SIERRA CATALOGUE FOR ADDITIONAL ANODES

MERCURY™ MERCRUISER™ ANODES

ZINC	ALUMINUM	MAGNESIUM
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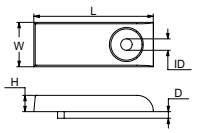
MERCURY™ MERCRUISER™ ANODES

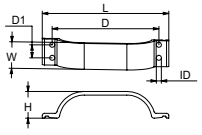
Verdado Trim Cyl.

	ORDER NO.	Mfr. No.	L	W	H	D	ID
MG	888-892227	CM892227M	2.9"	1.1"	0.4	0.2	0.26



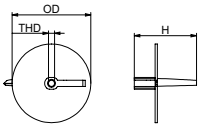
150 / 200 HP

	ORDER NO.	Mfr. No.	L	W	H	D	D1	ID
MG	888-89949	CM89949M	11"	2.3"	2.35	9.4	1.15	0.45
ZN	018-60020	CM89949Z	11"	2.3"	2.35	9.4	1.15	0.45



America 25HP (From 1990)

	ORDER NO.	Mfr. No.	OD	H	THREAD
MG	888-984325	CM984325M	3.6"	3.95"	M8
ZN	984-32500	CM984325Z	3.6"	3.95"	M8



MERCURY™ ANODE KITS

	ORDER NO.	Mfr. No.	L	Fits
AL	890-000040	CMVERADO4KITA	CM818298 x 1 CM0826134 x 1 CM762145 x 1	Verado 4 / OPTIMAX Engine
MG	888-000040	CMVERADO4KITM		

	ORDER NO.	Mfr. No.	L	Fits
AL	890-000060	CMVERADO6KITA	CM880653 x 1 CM892227 x 4 CM826134 x 2 CM762145 x 1	Verado 6 Engine
MG	888-000060	CMVERADO6KITM		

	ORDER NO.	Mfr. No.	L	Fits
AL	890-116590	CM8M0116590KITA	CM826134 x 2 CM762145 x 1 CM892227 x 2 CM8M0012083 x 1 CM8M0001734 x 1	Mercury Verado MMP Pro Series
MG	889-116590	CM8M0116590KITM		

NEW!

75 / 150 HP OB EFI

	ORDER NO.	Mfr. No.	L	Fits
AL	890-107548	CM8M0107548KITA	CM8M0057772 x 1 CM826134 x 2 CM762145 x 1	Mercury 8M0107548
MG	889-107548	CM8M0107548KITM		

NEW!

Note: All Kits include Fastening Hardware, Installation Instructions, & All of the Anodes required for 100% Protection.

SEE SIERRA CATALOGUE FOR ADDITIONAL ANODES

For more information see: www.martyranodes.com

ZINC	ALUMINUM	MAGNESIUM
• **For use in Salt Water** • Not recommended for use in fresh water • Alloy is manufacturered to meet or exceed US Military Specification (MIL-A-18001K)	• **For use in Salt & Brackish Water** • Proven to last longer than zinc due to increased capacity • Alloy is manufacturered to meet or exceed US Military Specification (MIL-A-24779(SH))	• **Only for use in Fresh Water** • Not recommended for use in salt or brackish water • The only alloy proven to protect your boat in fresh water

MERCURY™ ANODE KITS CONTINUED...

	ORDER NO.	Mfr. No.	L	Fits
AL	888-11118	CMALPHAGEN1KITA	CM31640 x 1 CM55989 x 2 CM821631 x 1	Alpha I Generation I Engine 1983-1990
MG	888-11119	CMALPHAGEN1KITM		

	ORDER NO.	Mfr. No.	L	Fits
AL	888-11111	CMALPHAKITA	CM762145 x 1 CM806105 x 1 CM821629 x 1 CM821631 x 1 CM806189 x 2	Alpha I Generation II Engine 1991 to Present
MG	888-11117	CMALPHAKITM		

	ORDER NO.	Mfr. No.	L	Fits
AL	888-11112	CMBRAVO1KITA	CM762145 x 1 CM806188 x 1 CM821630 x 1 CM806190 x 2	Bravo I Engine 1988 to Present
MG	888-11115	CMBRAVO1KITM		

	ORDER NO.	Mfr. No.	Contains	Fits
AL	888-11113	CMBRAVO23KITA	CM762145 x 1 CM821630 x 1 CM806190 x 2	Bravo II 1989 to Present & Bravo III 1989 to 2003
MG	888-11116	CMBRAVO23KITM		

	ORDER NO.	Mfr. No.	Contains	Fits
AL	890-000031	CMBRAVO3KITA	CM762144 x 1 CM762145 x 1 CM865182C x 1 CM821630 x 1 CM806190 x 2	Alpha I Generation II Bravo III Engine 2004 to Present
MG	889-000031	CMBRAVO3KITM		

Note: All Kits include Fastening Hardware, Installation Instructions, & All of the Anodes required for 100% Protection.

SEE SIERRA CATALOGUE FOR ADDITIONAL ANODES

MERCURY™ MERCRUISER™ ANODES

Martyr ANODES

ZINC	ALUMINUM	MAGNESIUM
• **For use in Salt Water** • Not recommended for use in fresh water • Alloy is manufacturered to meet or exceed US Military Specification (MIL-A-18001K)	• **For use in Salt & Brackish Water** • Proven to last longer than zinc due to increased capacity • Alloy is manufacturered to meet or exceed US Military Specification (MIL-A-24779(SH))	• **Only for use in Fresh Water** • Not recommended for use in salt or brackish water • The only alloy proven to protect your boat in fresh water

INDIVIDUAL MERCURY™ ANODE KITS

	ORDER NO.	Mfr. No.	Fits
AL	890-316400	CM31640KITA	Alpha I Generation I Engine
MG	889-316400	CM31640KITM	
AL	890-559890	CM55989KITA	Alpha I Generation I Engine
MG	889-559890	CM55989KITM	
AL	890-762144	CM762144KITA	Bravo III Engine 2004 to Present
MG	889-762144	CM762144KITM	
AL	890-762145	CM762145KITA	Alpha I Generation II Engine, Bravo I, Bravo II, Bravo III, Verado 4, 6
MG	889-762145	CM762145KITM	
AL	890-806105	CM806105KITA	Alpha I Generation II Engine
MG	889-806105	CM806105KITM	
AL	890-806188	CM806188KITA	Bravo I 1988 to Present
MG	889-806188	CM806188KITM	
AL	890-806189	CM806189KITA	Alpha I Generation II Engine
MG	889-806189	CM806189KITM	
AL	890-806190	CM806190KITA	Bravo I 1988 - Present, Bravo II 1989 - Present & Bravo III 1989 to 2003
MG	889-806190	CM806190KITM	
AL	890-818298	CM818298KITA	Verado 4 / OPTIMAX Engine
MG	889-818298	CM818298KITM	
AL	890-821629	CM821629KITA	Alpha I Generation II Engine
MG	889-821629	CM821629KITM	
AL	890-821630	CM821630KITA	Bravo I 1988 - Present, Bravo II 1989 - Present & Bravo III 1989 to 2003
MG	889-821630	CM821630KITM	
AL	890-821631	CM821631KITA	Alpha I Generation I Engine Alpha I Generation II Engine
MG	889-821631	CM821631KITM	
AL	890-826134	CM826134KITA	Verado 4 / OPTIMAX Engine
MG	889-826134	CM826134KITM	
AL	890-865182	CM865182KITA	Bravo III Engine 2004 to Present
MG	889-865182	CM865182KITM	

890-316400

Prop Nut Only ***(Magnesium)***
ORDER NO. 888-865182C
Mfr. No. CM865182CM

SEE SIERRA CATALOGUE FOR ADDITIONAL ANODES

For more information see: www.martyranodes.com

SUZUKI™ VOLVO PENTA™ ANODES/KITS

ZINC	ALUMINUM	MAGNESIUM
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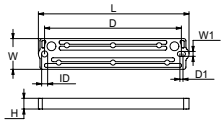
NISSAN™ TOHATSU™ ANODES

IPS

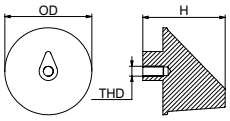
	ORDER NO.	Mfr. No.	L	W	W1	H	D	D1	ID
ZN	760-21810	CM3C7602181A0Z	7.7"	1.6"	0.25"	0.5"	7"	0.16"	0.31



SUZUKI™ ANODE

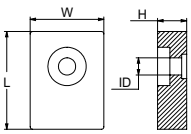
Suzuki 50-70 HP - DT150 - DT175 - DT200 - DT225 4 T

	ORDER NO.	Mfr. No.	OD	H	THREAD
MG	888-60330	CM5512587D00M	3.5"	3.3"	M10 x 1.25
ZN	018-60330	CM5512587D00Z	3.5"	3.3"	M10 x 1.25



Suzuki 55-140 HP

	ORDER NO.	Mfr. No.	L	W	H	ID
MG	888-60320	CM5532095310M	1.6"	1.2"	0.5"	0.26"
ZN	018-60320	CM5532095310Z	1.6"	1.2"	0.5"	0.26"



SUZUKI™ ANODE KITS

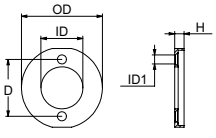
	ORDER NO.	Mfr. No.	L	Fits
AL	890-90140	CMSZ90140KITA	CM5532190J01 x 1 CM5532187J00 x 4 CM3C7602181A0 x 1	Suzuki 90-100-115-140 HP
MG	889-90140	CMSZ90140KITM		

	ORDER NO.	Mfr. No.	L	Fits
AL	890-04050	CMSZ4050KITA	CM5532095310 x 2 CM5532187J00 x 4 CM5512595500 x 1	Suzuki 40-50 HP
MG	889-04050	CMSZ4050KITM		

VOLVO PENTA™ ANODES

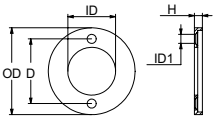
50-100 Series

	ORDER NO.	Mfr. No.	OD	D	ID	ID1	H
AL	890-60070	CMV15A (CM875810A)	3.9"	2.74"	2"	0.43"	0.4"
ZN	018-60070	CMV15Z (CM875810Z)	3.9"	2.74"	2"	0.43"	0.4"



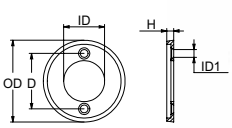
50-200 Series

	ORDER NO.	Mfr. No.	OD	D	ID	ID1	H
AL	890-60060	CMV16A (CM875809A)	4.2"	3.1"	2.3"	0.43"	0.4"
ZN	018-60060	CMV16Z (CM875809Z)	4.2"	3.1"	2.3"	0.43"	0.4"



50-250-270-275-280-285 Series

	ORDER NO.	Mfr. No.	OD	D	ID	ID1	H
AL	890-60050	CMV17A (CM875806-4A)	4.6"	3.1"	2.3"	0.43"	0.4"



Note: All Kits include Fastening Hardware, Installation Instructions, & All of the Anodes required for 100% Protection.

SEE SIERRA CATALOGUE FOR ADDITIONAL ANODES

For more information see: www.martyranodes.com

VOLVO PENTA™ ANODES

ZINC	ALUMINUM	MAGNESIUM
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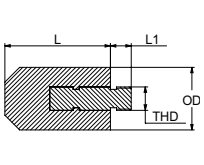
VOLVO PENTA™ ANODES

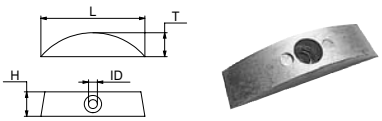
Volvo Pencil

	ORDER NO.	Mfr. No.	L	L1	OD	THREAD
AL	890-823661	CM823661A	1.7"	0.4"	1	3/8 - 16 UNC



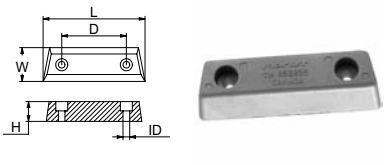
110-120, S-B, S-C Series

	ORDER NO.	Mfr. No.	L	W	T	ID
AL	890-60220	CM852018A	2.5"	0.59"	0.57	0.21
ZN	018-60220	CM852018Z	2.5"	0.59"	0.57	0.21



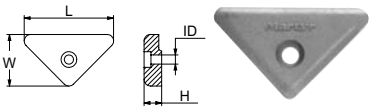
Duo Prop 290 Series

	ORDER NO.	Mfr. No.	L	W	H	D	ID
AL	890-60040	CM852835A	5.35	1.81	1	3.4	0.33
MG	018-61050	CM852835M	5.35	1.81	1	3.4	0.33
ZN	018-60040	CM852835Z	5.35	1.81	1	3.4	0.33



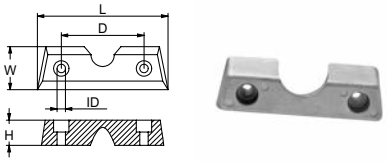
Volvo 290 - Duo Prop

	ORDER NO.	Mfr. No.	L	W	H	ID
AL	872-79320-1	CM872793A	2.6"	1.5"	0.5	0.25
ZN	872-79320	CM872793Z	2.6"	1.5"	0.5	0.25



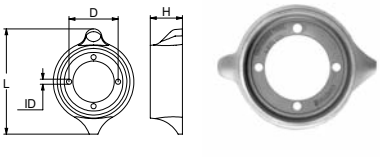
DPX Series

	ORDER NO.	Mfr. No.	L	W	H	D	ID
AL	872-13900-1	CM872139A	5.35	1.8	1	3.4	0.33
ZN	872-13900	CM872139Z	5.35	1.8	1	3.4	0.33



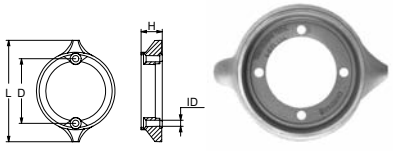
Sail Drive 110 Series

	ORDER NO.	Mfr. No.	L	H	D	ID
AL	890-60080	CM875812A	5.5	1.7	2.55	0.25
ZN	018-60080	CM875812Z	5.5	1.7	2.55	0.25



Duo Prop 290Series

	ORDER NO.	Mfr. No.	L	H	D	ID
AL	890-60100	CM875821A	5.7	1.2	3.63	0.34
MG	018-61060	CM875821M	5.7	1.2	3.63	0.34
ZN	018-60100	CM875821Z	5.7	1.2	3.63	0.34



Note: All Kits include Fastening Hardware, Installation Instructions, & All of the Anodes required for 100% Protection.

SEE SIERRA CATALOGUE FOR ADDITIONAL ANODES

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ZINC	ALUMINUM	MAGNESIUM
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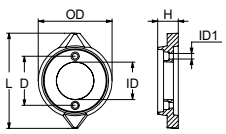
VOLVO PENTA™ ANODES

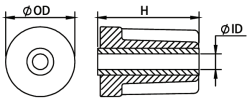
280-290 E Single Drop Series

	ORDER NO.	Mfr. No.	L	H	D	OD	ID	ID1
AL	890-60090	CMV18A (CM875815-3A)	6.1	1.34	3.15	4.7	2.4	0.35
MG	525-60090	CMV18M (CM875815-3M)	6.1	1.34	3.15	4.7	2.4	0.35
ZN	018-60090	CMV18Z (CM875815-3Z)	6.1	1.34	3.15	4.7	2.4	0.35



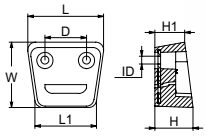
IPS

	ORDER NO.	Mfr. No.	OD	ID	H
MG	359-38810-2	CM3593881M	1.93	0.41	2.83



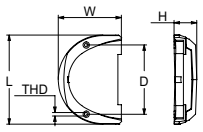
S. Drive - SX Drive

	ORDER NO.	Mfr. No.	L	L1	W	H	H1	D	ID
AL	385-41300-1	CM3854130A	3.76	2.86	3.14	1.84	1.44	2	0.38
MG	385-41300-2	CM3854130M	3.76	2.86	3.14	1.84	1.44	2	0.38
ZN	385-41300	CM3854130Z	3.76	2.86	3.14	1.84	1.44	2	0.38



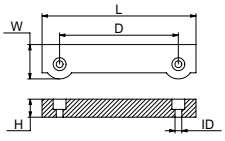
S. Drive - SX Drive

	ORDER NO.	Mfr. No.	L	W	H	D	Thread
AL	385-54110-1	CM3855411A	5.7	4	1.4	4.4	1/4 - 20 UNC
MG	385-54110-2	CM3855411M	5.7	4	1.4	4.4	
ZN	385-54110	CM3855411Z	5.7	4	1.4	4.4	



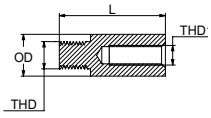
250-270-275-280-285 Series

	ORDER NO.	Mfr. No.	L	W	H	D	ID
AL	890-60000	CM832598A	7.4	1.6	0.9	5.7	0.3
MG	018-61040	CM832598M	7.4	1.6	0.9	5.7	0.3
ZN	018-60000	CM832598Z	7.4	1.6	0.9	5.7	0.3



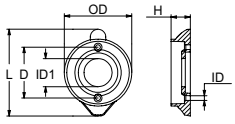
200-250-270 Series

	ORDER NO.	Mfr. No.	L	OD	Thread	Thread1
AL	890-60010	CM838929A	1.7	0.67	7/16 - 14 UNC	M8
ZN	018-60010	CM838929Z	1.7	0.67		



S. Drive 120 Series

	ORDER NO.	Mfr. No.	L	D	OD	ID	ID1	H
AL	890-60230	CM851983A	4.9	2.85	3.8	0.26	1.57	1.1



Note: All Kits include Fastening Hardware, Installation Instructions, & All of the Anodes required for 100% Protection.

For more information see: www.martyranodes.com

SEE SIERRA CATALOGUE FOR ADDITIONAL ANODES

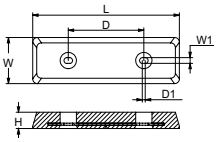
VOLVO PENTA™ ANODES / KITS

ZINC	ALUMINUM	MAGNESIUM
• **For use in Salt Water** • Not recommended for use in fresh water • Alloy is manufacturered to meet or exceed US Military Specification (MIL-A-18001K)	• **For use in Salt & Brackish Water** • Proven to last longer than zinc due to increased capacity • Alloy is manufacturered to meet or exceed US Military Specification (MIL-A-24779(SH))	• **Only for use in Fresh Water** • Not recommended for use in salt or brackish water • The only alloy proven to protect your boat in fresh water

VOLVO PENTA™ ANODES

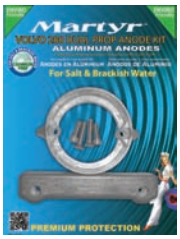
IPS

	ORDER NO.	Mfr. No.	L	W	W1	H	D	D1
MG	400-05875	CM40005875M	10.5	3.3	1.2	5.4	0.21	0.41

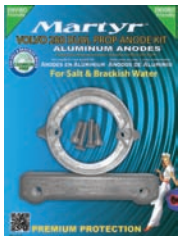


VOLVO PENTA™ ANODE KITS

	ORDER NO.	Mfr. No.	Contains	Fits
AL	890-002800	CM280KITA	CMV18 x 1 CM832598 x 1	Volvo 280 Engine
MG	889-002800	CM280KITM		

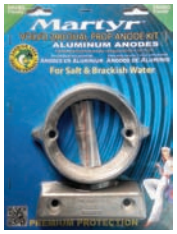


	ORDER NO.	Mfr. No.	Contains	Fits
AL	890-002801	CM280DPKITA	CM875821 x 1 CM832598 x 1	Volvo 280 Dual Prop Engine
MG	889-002801	CM280DPKITM		



	ORDER NO.	Mfr. No.	Contains	Fits
AL	890-002900	CM290KITA	CMV18 x 1 CM852835 x 1	Volvo 290 Engine
MG	889-002900	CM290KITM		

	ORDER NO.	Mfr. No.	Contains	Fits
AL	890-002901	CM290DPKITA	CM875821 x 1 CM852835 x 1	Volvo 290 Dual Prop Engine
MG	889-002901	CM290DPKITM		



	ORDER NO.	Mfr. No.	Contains	Fits
AL	890-000012	CMDPHKITA	CM3588745 x 1 CM3863206 x 1	Volvo DPH Engine
MG	889-000012	CMDPHKITM		

	ORDER NO.	Mfr. No.	Contains	Fits
AL	890-000010	CMSXKITA	CM3855411 1 CM3854130 x 1	Volvo SX Engine
MG	889-000010	CMSXKITM		

Note: All Kits include Fastening Hardware, Installation Instructions, & All of the Anodes required for 100% Protection.

SEE SIERRA CATALOGUE FOR ADDITIONAL ANODES

VOLVO PENTA™ ANODE KITS CONTINUED

	ORDER NO.	Mfr. No.	Contains	Fits
AL	890-000011	CMSXAKITA	CM3841427 x 1 CM3883728 x 1	Volvo SX-A/DPS Engine
MG	889-000011	CMSXAKITM		

	ORDER NO.	Mfr. No.	Contains	Fits
MG	889-000013	CMVPIPSKITM	CM3593881 x 1 CM40005875 x 1	Volvo Penta IPS Stern Drive

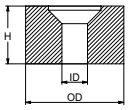
	ORDER NO.	Mfr. No.	Contains	Fits
MG	385-83990-2	CM3858399KITM	CM3858286 x 3	Volvo Folding Prop 3-Blade Engine D2-55A, B, C, D, E, F

NEW!

YAMAHA™ ANODES

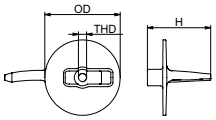
2 - 115 HP / MARINER 40 HP / YAMAHA 70 - 85 HP

	ORDER NO.	Mfr. No.	OD	ID	H
MG	888-60360	CM6884525101M	0.9	0.25	0.55
ZN	018-60360	CM6884525101Z	0.9	0.25	0.55



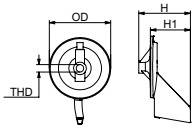
Yamaha 50 - 60 - 70- -75 - 80 - 85 - 90 HP / Also apply to Parsun & Painier

	ORDER NO.	Mfr. No.	OD	ID	Thread
MG	018-61110-CM	CM6884537102M	3.6	3	M10 x 1.25



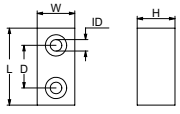
Yamaha 150-200 HP

	ORDER NO.	Mfr. No.	OD	H	H1	Thread
MG	018-61120-CM	CM6J94537101M	3.9	3.3	2.6	M10 x 1.25



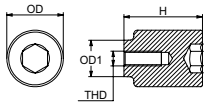
Yamaha - Small Block

	ORDER NO.	Mfr. No.	L	W	H	D	ID
MG	888-25100	CM6E54525100M	1.8	0.9	0.9	0.9	0.26
ZN	545-25100	CM6E54525100Z	1.8	0.9	0.9	0.9	0.26



Yamaha Outboards

	ORDER NO.	Mfr. No.	OD	OD1	H	Thread
AL	811-32501	CM68V1132501A	0.9	0.6	1.3	M6



YAMAHA™ ANODE KITS

	ORDER NO.	Mfr. No.	Contains	Fits
AL	890-15001	CMY150KITA	CM6G54525101 x 1 CM6J94537101 x 1	Yamaha 150-200 HP Outboards
MG	889-15001	CMY150KITM		

Note: All Kits include Fastening Hardware, Installation Instructions, & All of the Anodes required for 100% Protection.

SEE SIERRA CATALOGUE FOR ADDITIONAL ANODES

YAMAHA™/YANMAR™ ANODES/KITS

Martyr ANODES

ZINC	ALUMINUM	MAGNESIUM
• **For use in Salt Water** • Not recommended for use in fresh water • Alloy is manufacturered to meet or exceed US Military Specification (MIL-A-18001K)	• **For use in Salt & Brackish Water** • Proven to last longer than zinc due to increased capacity • Alloy is manufacturered to meet or exceed US Military Specification (MIL-A-24779(SH))	• **Only for use in Fresh Water** • Not recommended for use in salt or brackish water • The only alloy proven to protect your boat in fresh water

YAMAHA™ ANODE KITS

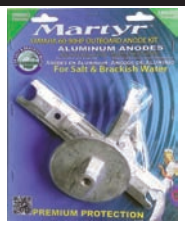
	ORDER NO.	Mfr. No.	Contains	Fits
AL	890-15000	CMY150CRKITA	CM6G54525101 x 1 CM6K14537102 x 1	Yamaha 150-200 HP Outboards Counter Rotation

	ORDER NO.	Mfr. No.	Contains	Fits
AL	890-20250	CMY200250KITA	CM6G54525101 x 1 CM61A4537100 x 1	Yamaha 200-250 HP Outboards
MG	889-20250	CMY200250KITM		

	ORDER NO.	Mfr. No.	Contains	Fits
AL	890-20300	CMYHP200300KITA	CM6G54525101 x 1 CM69L4537100 x 1	Yamaha High Performance 200-300 HP Outboards
MG	889-20300-HP	CMYHP200300KITM		

YAMAHA™ MARINER™ ANODE KITS

	ORDER NO.	Mfr. No.	Contains	Fits
AL	890-06090	CMY6090KITA	CM6884537102 x 1 CM6H14525102 x 1	Yamaha 60-90 HP
MG	889-06090	CMY6090KITM		

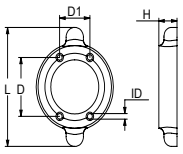


	ORDER NO.	Mfr. No.	Contains	Fits
AL	890-04060	CMY4060KITA	CM65W4525100 x 3 CM67C4525100 x 1 CM67C4537100 x 1	Yamaha 4T 40-60 HP
MG	889-04060	CMY4060KITM		

YANMAR™ SAIL DRIVE ANODE

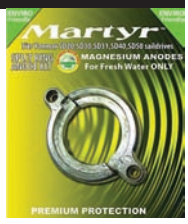
Yanmar - SD 20 - 30 - 40 - 50 - 60

	ORDER NO.	Mfr. No.	L	W	H	ID	H
MG	888-02652	AP19642002652M	5.8	2.9	1.67	0.3	0.26



YANMAR™ ANODE KITS

	ORDER NO.	Mfr. No.	Contains	Fits
MG	888-02660	AP19644002660KITM	CM19644002660 x 1	Yanmar SD20, SD30, SD31, SD40, SD50 & SD60 Saildrives



Note: All Kits include Fastening Hardware, Installation Instructions, & All of the Anodes required for 100% Protection.

SEE SIERRA CATALOGUE FOR ADDITIONAL ANODES

For more information see: www.martyranodes.com

ENGINE SPRAY PAINT

Acrylic lacquers formulated for extended staying power.

- Colour matched to your engine's original colour
- For use on all outboard & inboard engines, stern drives, and lower units
- Fast-drying
- Superior durability
- Resistant to gasoline, oil, and heat
- Good hiding and adhesion
- 12 oz. net weight

COLOR VISION

- Heat & solvent resistant
- Colour matched to your engine's original colour
- Approved for use up 250˚
- Formulated for the marine environment
- For use on all outboard & inboard engines, stern drive, and lower units
- Quick-dry formula
- Oil & gasoline resistant
- 12 oz. net weight

CLEAR COAT

- Formulated for the marine environment
- For use on all outboard & inboard engines, stern drive, and lower units
- Increases luster and depth
- Quick drying formula
- Enhanced UV protection
- 12 oz. net weight

ZINC PRIMER

Use for steel and iron surfaces above and below the waterline.Zinc phosphate primer may be top-coated with two epoxies or left as-is.

- Ideal for aluminum surfaces above or below the waterline
- Excellent resistance to the marine environment
- Outstanding durability and abrasion-resistance
- 12 oz. net weight

SANDABLE PRIMER

For surfaces above the waterline, including bare metal, steel, iron, fiberglass, and wood

- Professional grade
- Provides single-coat hiding
- Superior adhesion
- Quick-dry formula
- Improves bonding of colour coat
- Helps fight rust
- Ideal for small repairs
- 12 oz. net weight

ENGINE PAINT			
ORDER NO.	**Mfr. No.**	**Description**	**Year**
801-25454	025454-C	Johnson/Evinrude Light Blue Metallic	1978-1987
801-25461	025461-C	Johnson/Evinrude White	1972 - Present
801-25350	025350-C	Mercury Phantom Black	
801-25433	025433-C	OMC White	1977-1980
801-25478	025478-C	OMC Charcoal	1986 - Present
801-25436	025436-C	Volvo Aquamatic White	1972 - Present
801-25488	025488-C	Volvo I/O Grey	1989 - Present
801-25469	025469-C	Yamaha Metallic Blue	1985 - 1990
801-25515	025515-C	Yamaha Dark Blue Metallic	

COLOR VISION		
ORDER NO.	**Mfr. No.**	**Description**
801-25203	025203-C	Gloss Black
801-25491	025491-C	Crusader Blue

CLEAR COAT PAINT		
ORDER NO.	**Mfr. No.**	**Description**
801-25519	025519-C	Clear Coat

ZINC PRIMERS PAINT		
ORDER NO.	**Mfr. No.**	**Description**
801-25801	025801-C	Zinc Phosphate Yellow Zinc
801-25802	025802-C	Green Zinc Phosphate

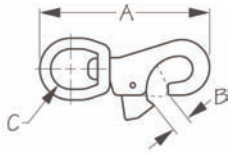
SANDABLE PRIMER PAINT		
ORDER NO.	**Mfr. No.**	**Description**
801-25740	025740-C	Platinum Grey

The Big Button
Comes in a can but sprays like a gun. Features a fan spray so that you are able to coat a large area with a light spray, just like pros.

SEA-DOG LINE QUALITY MARINE GEAR

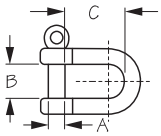
BULL NOSE SNAP
Investment Cast 316

ORDER NO.	Mfr. No.	A	B	C
421-46333	146333-1	4-1/2"	1/2"	1"



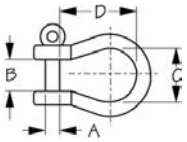
D-SHACKLE
Investment Cast 316 Stainless Body

ORDER NO.	Mfr. No.	A	B	C
421-47004	147004-1	3/16"	5/16"	9/16"
421-47006	147006-1	1/4"	1/2"	13/16"
421-47008	147008-1	5/16"	5/8"	1-1/8"
421-47010	147010-1	3/8"	3/16"	1-3/8"



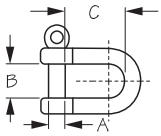
BOW SHACKLE
Investment Cast 316 Stainless Body

ORDER NO.	Mfr. No.	A	B	C	D
421-47054	147054-1	3/16"	5/16"	9/16"	11/16"
421-47056	147056-1	1/4"	1/2"	13/16"	1-1/16"
421-47058	147058-1	5/16"	5/8"	1-1/8"	1-7/16"
421-47060	147060-1	3/8"	13/16"	1-3/8"	1-13/16"



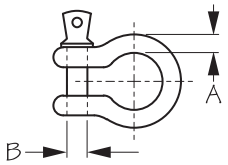
D-SHACKLE
Forged 316 Stainless

ORDER NO.	Mfr. No.	A	B	C	Breaking Strength (LB)
421-47104	147104	3/16"	7/16"	11/16"	2,200



SCREW PIN ANCHOR SHACKLE
Forged Hot Dipped Galvanized

ORDER NO.	Mfr. No.	A (Size)	B
421-47806	147806-1	1/4"	5/16"
421-47808	147808-1	5/16"	3/8"
421-47810	147810-1	3/8"	7/16"



GALVANIZED SHACKLES P.O.P. DISPLAYS
Forged Hot Dipped Galvanized

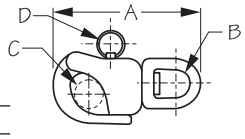
Clear containers display these high demand items for easy sales. Each item comes with a bar coded descriptive label. The container comes with a colour descriptive card and can be placed on a counter/shelf or hung from peg board with the included rack.

Our most popular sizes of galvanized shackles are now available in a convenient P.O.P.

ORDER NO.	Mfr. No.	Contains	Size
421-47806-5	147806-5	50- Pcs	1/4"
421-47808-5	147808-5	40- Pcs	5/16"
421-47810-5	147810-5	30- Pcs	3/8"
421-47811-5	147811-5	20- Pcs	7/16"
421-47812-5	147812-5	15- Pcs.	1/2"

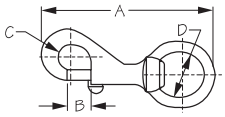
SWIVEL EYE SNAP SHACKLE
Investment Cast 316 Stainless

ORDER NO.	Mfr. No.	A	B	C	D
421-42900	142900	3-1/2"	5/8"	3/4"	7/16"



SWIVEL EYE BOLT SNAP

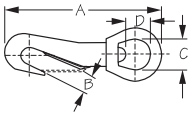
Die Cast Manganese Bronze



ORDER NO.	Mfr. No.	A	B	C	D	FINISH
421-36016	136016-1	3-1/8"	3/8"	3/8"	5/8"	Bronze
421-36021	136021-1	3-3/16"	3/8"	3/8"	7/8"	Bronze

SWIVEL EYE BABY SNAP

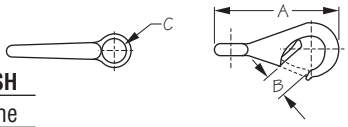
Die Cast Manganese Bronze



ORDER NO.	Mfr. No.	A	B	C	D	FINISH
421-31042 (Pair)	131042-1	2-1/16"	1/4"	7/16"	5/16"	Bronze

FAST EYE BOAT SNAP

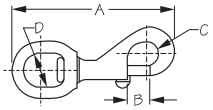
Die Cast Manganese Bronze



ORDER NO.	Mfr. No.	Size	A	B	C	FINISH
421-36126	136126-1	0	2-1/8"	1/4"	7/16"	Chrome

SWIVEL EYE BOLT SNAP

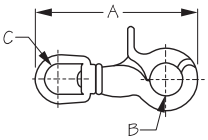
Die Cast Manganese Bronze



ORDER NO.	Mfr. No.	A	B	C	D	FINISH
421-36590	136590-1	3-5/16"	7/16"	1/2"	11/16"	Bronze

TRIGGER SNAP

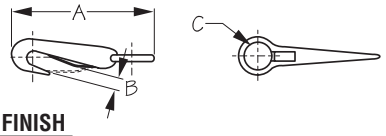
Die Cast Manganese Bronze



ORDER NO.	Mfr. No.	A	B	C	FINISH
421-36800	136800-1	2-9/16"	1/2"	1/2"	Bronze

FAST EYE BABY SNAP

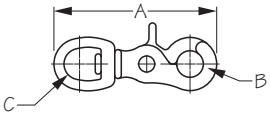
Die Cast Manganese Bronze



ORDER NO.	Mfr. No.	A	B	C	D	FINISH
421-38425 (Ea)	138425-1	1-13/16"	1/4"	7/16"	5/16"	Chrome

TRIGGER SNAP

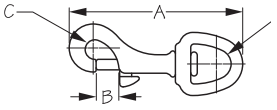
Sand Cast Brass



ORDER NO.	Mfr. No.	A	B	C	FINISH
421-39800	139800-1	2-11/16"	7/16"	1/2"	Brass

SWIVEL EYE BOLT SNAP

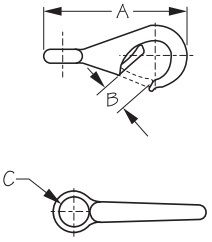
Sand Cast Brass



ORDER NO.	Mfr. No.	Size	A	B	C	FINISH
421-39016	139016-1	3-5/16"	7/16"	3/8"	5/8"	Brass

FAST EYE BOAT SNAP

Sand Cast Brass

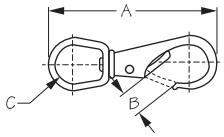


ORDER NO.	Mfr. No.	Size	A	B	C	FINISH
421-39120	139120-1	0	2-1/8"	1/4"	7/16"	Brass
421-39121	139121-1	1	2-7/8"	5/16"	5/8"	Brass
421-39122	139122-1	2	3-3/16"	1/2"	3/4"	Brass
421-39123	139123-1	3	3-13/16"	9/16"	3/4"	Brass

SEA-DOG LINE
QUALITY MARINE GEAR

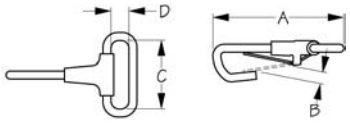
SWIVEL EYE BOAT SNAP
Sand Cast Brass

ORDER NO.	Mfr. No.	Size	A	B	C	FINISH
421-39131	139131-1	1	3-3/16"	3/8"	3/4"	Brass
421-39132	139132-1	2	3-5/8"	1/2"	3/4"	Brass
421-39133	139133-1	3	4-1/2"	9/16"	3/4"	Brass



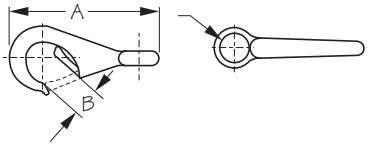
SPRING SNAP - Investment Cast 316 Stainless

ORDER NO.	Mfr. No.	A	B	C	D
421-39896	139896-1	2-3/16"	1/4"	1-1/8"	5/16"



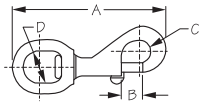
FAST EYE BOAT SNAP
Investment Cast 316 Stainless

ORDER NO.	Mfr. No.	Size	A	B	C
421-46120(Ea)	146120-1	0	2-1/16"	1/4"	3/8"



SWIVEL EYE BOLT SNAP
Investment Cast 316 Stainless

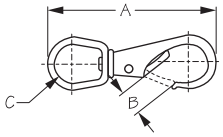
ORDER NO.	Mfr. No.	A	B	C	D
421-46590(Ea)	146590-1	3-9/16"	5/16"	5/16"	3/4"



SWIVEL EYE BOAT SNAP - Investment Cast 316 Stainless

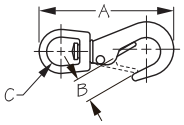
ORDER NO.	Mfr. No.	Size	A	B	C
421-46131	146131-1	1	3-5/16"	7/16"	3/4"
421-46132	146132-1	2	3-7/8"	1/2"	3/4"
421-46133	146133-1	3	4-5/8"	1/2"	7/8"

"



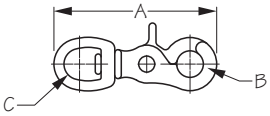
SWIVEL EYE BOAT SNAP
Die Cast Zinc Chrome Plated

ORDER NO.	Mfr. No.	A	B	C
421-48131(Ea)	148131-1	3-1/4"	1/2"	11/16"



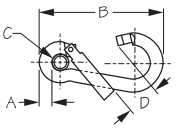
TRIGGER SNAP
Die Cast Zinc Chrome Plated

ORDER NO.	Mfr. No.	A	B	C
421-48800	148800-1	2-11/16"	7/16"	1/2"



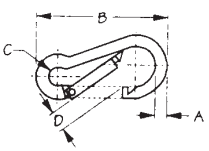
SNAP HOOK OFFSET GATE WITH EYE INSERT - AISI 316 Stainless

ORDER NO.	Mfr. No.	A	B	C	D	Breaking Strength (LB)
421-51087	151087	5/16"	3-1/8"	3/8"	3/4"	1,700
421-51107	151107	3/8"	4"	9/16"	7/8"	2,600
421-51127	151127	7/16"	4-3/4"	5/8"	1-1/16"	4,400



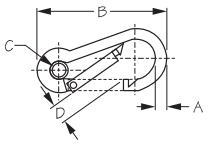
SNAP HOOK - AISI 316 Stainless

ORDER NO.	Mfr. No.	A	B	C	D	Breaking Strength (LB)
421-51560	151560-1	1/4"	2-3/8"	5/16"	5/16"	700
421-51580	151580-1	5/16"	3-1/8"	7/16"	3/8"	1,400
421-51580-5	151580-5	P.O.P Display contains 25 pcs.				
421-51600	151600-1	3/8"	3-15/16"	9/16"	1/2"	2,000
421-51620	151620-1	7/16"	4-11/16"	11/16"	5/8"	2,500



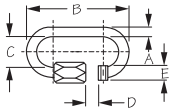
For more info see: www.sea-dog.com

SNAP HOOK WITH EYE INSERT - AISI 316 Stainless



ORDER NO.	Mfr. No.	A	B	C	D	Breaking Strength (LB)
421-51565	151565-1	1/4"	2-3/8"	1/4"	5/16"	700
421-51585	151585-1	5/16"	3-1/8"	3/8"	3/8"	1,400
421-51605	151605-1	3/8"	3-15/16"	7/16"	1/2"	2,000
421-51625	151625-1	7/16"	4-11/16"	5/8"	5/8"	2,500

QUICK LINK - AISI 316 Stainless



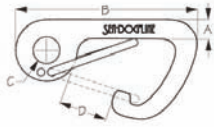
ORDER NO.	Mfr. No.	A	B	C	D	E	Breaking Strength (LB)
421-53005	153005-1	3/16"	1-15/16"	9/16"	1/4"	5/16"	4,950
421-53006	153006-1	1/4"	2-1/4"	5/8"	5/16"	3/8"	7,150
421-53008	153008-1	5/16"	2-7/8"	3/4"	7/16"	1/2"	12,000

QUICK LINK - Steel Electrogalvanized

421-58006	158006-1	1/4"	2-1/4"	1/2"	5/16"	3/8"	4.400
421-58008	158008-1	5/16"	2-15/16"	11/16"	3/8"	7/16"	7,700
421-58008-5	158008-5	5/16"	2-15/16"	11/16"	3/8"	7/16"	7,700
	P.O.P Display contains 25 pcs.						
421-58010	158010-1	3/8"	3-1/2"	15/16"	1/2"	1/2"	12,100

SPRING GATE ASYMMETRICAL SNAP HOOK

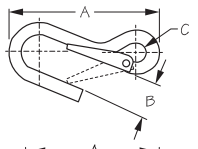
Investment Cast 316 Stainless



ORDER NO.	Mfr. No.	A	B	C	D
421-55500	155500-1	3/8"	4"	5/8"	7/8"

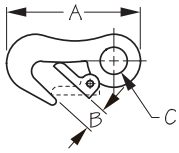
Included in the Boat Hook Mooring Buoy Snap Kit #424-91055 (See Page 514)

SPRING HOOK - Mild Steel Electrogalvanized



ORDER NO.	Mfr. No.	A	B	C	Breaking Strength (LB)
421-55630	155630-1	4-1/16"	1"	1/2"	1,200

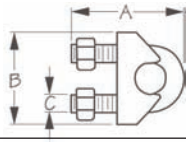
MALLEABLE UTILITY SNAP - Cast Malleable Steel Nickel Plated



ORDER NO.	Mfr. No.	A	B	C
421-55812	155812-1	3-7/16"	1/2"	11/16"

WIRE ROPE CLIP - Invested Cast 316 Stainless Body

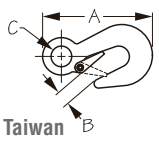
304 Stainless U-Bolt



ORDER NO.	Mfr. No.	Wire Size	A	B	C (Threads)
421-59504	159504-1	4 mm	15/16"	3/4"	4 mm-.70

UTILITY SNAP

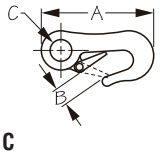
Forged Steel
Electrogalvanized



ORDER NO.	Mfr. No.	A	B	C
421-55822	155822-1	3-7/8"	11/16"	3/4"

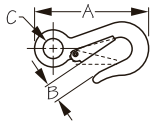
HEAVY DUTY UTILITY SNAP

Forged Steel
Electrogalvanized



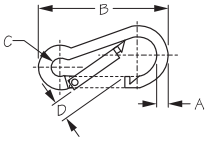
ORDER NO.	Mfr. No.	A	B	C
421-55832-1	155832-1	4-1/4"	11/16"	3/4"

MOORING SNAP HOOK - Cast Steel Nickel Plated



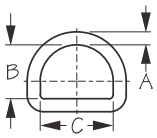
ORDER NO.	Mfr. No.	A	B	C
421-55841	155841-1	3-15/16"	9/16"	3/4"

SNAP HOOK - Mild Steel Electrogalvanized



ORDER NO.	Mfr. No.	A	B	C	D	Breaking Strength (LB)
421-56060	156060-1	1/4"	2-3/8"	5/16"	5/16"	560
421-56080	156080-1	5/16"	3-3/16"	7/16"	7/16"	1,140
421-56100	156100-1	3/8"	3-15/16"	9/16"	1/2"	1,600

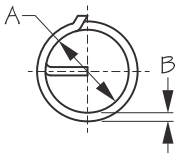
421-91841



D-RINGS - AISI 304 Stainless

ORDER NO.	Mfr. No.	A	B	C
421-91841	191841	1/4"	1-3/4"	2"

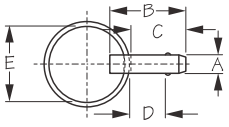
421-93561



SPLIT RING - Stainless 316 Wire

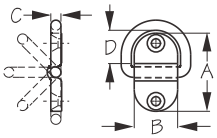
ORDER NO.	Mfr. No.	A	B	Pcs. Per Set
421-93562 (Set)	193562-1	15/32"	1/16"	4
421-93563 (Set)	193563-1	5/8"	1/16"	4
421-93564 (Set)	193564-1	3/4"	3/32"	3

421-93410



RELEASE PIN - AISI 304 Stainless

ORDER NO.	Mfr. No.	A	B	C	D	E
101-93410	193410	1/4"	1"	3/4"	7/16"	1" Ea.
421-93410	193410-1	1/4"	1"	3/4"	7/16"	1" Pair
101-93415	193415	1/4"	1-1/2"	1-1/4"	7/8"	1" Ea.
421-93415	193415-1	1/4"	1-1/2"	1-1/4"	7/8"	1" Pair
101-93420	193420	1/4"	2-1/16"	1-7/8"	1-1/2"	1" Ea.
421-93420	193420-1	1/4"	2-1/16"	1-7/8"	1-1/2"	1" Pair
101-93425	193425	1/4"	2-1/2"	2-3/16"	1-15/16"	1" Ea.
421-93425	193425-1	1/4"	2-1/2"	2-3/16"	1-15/16"	1" Pair

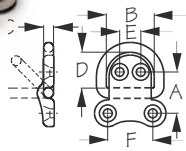


FOLDING D-RING

Cast 316 Stainless Steel Base/17-4PH D-Ring/Rubber

ORDER NO.	Mfr. No.	A	B	C	D	E	B.S. (lbs.)	Fasteners
420-48610 /ea	048610-1	2-1/8"	1-3/16"	1/4"	7/8"	1-7/16"	3,500	1/4"FH

Corrosion resistant. Convenient folding design keeps fittings out of the way when not in use. Multiple applications including rigging, tie-down and securing cargo for storage or transport.Installation requires four 1/4" FH fasteners (not included).



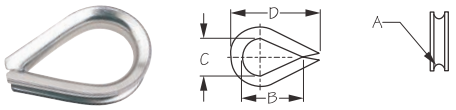
FOLDING D-RING

Cast 316 Stainless Steel Base/17-4PH D-Ring/Rubber

ORDER NO.	Mfr. No.	A	B	C	D	E	B.S. (lbs.)	F
420-48620 /ea	048620-1	1-3/16"	1-3/8"	1/4"	1"	9/16"	4,000	1-1/4"FH

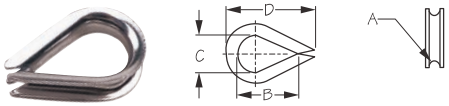
Corrosion resistant. Convenient folding design keeps fittings out of the way when not in use. Installation requires four 1/4" FH fasteners (not included).

HEAVY DUTY THIMBLE - Stamped 304 Stainless



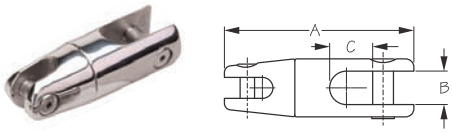
ORDER NO.	Mfr. No.	A (Wire dia.)	B	C	D
421-70010 (Ea.)	170010-1	7/16"	1-7/8"	1-1/16"	2-9/16"
421-70012 (Ea.)	170012-1	1/2"	2-1/8"	1-1/8"	2-13/16"
421-70014 (Ea.)	170014	9/16"	2-1/4"	1-1/4"	3-1/16"

LIGHT THIMBLE - Stamped 304 Stainless



ORDER NO.	Mfr. No.	A (Wire dia.)	B	C	D
421-71208 (Ea.)	171208	5/16"	1-5/16"	13/16"	1-7/8"

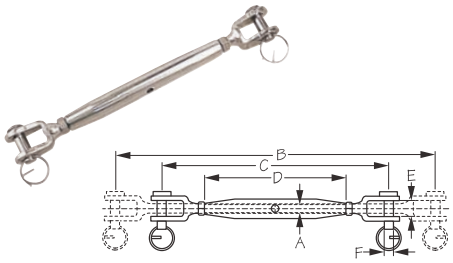
ANCHOR SWIVEL - AISI 316 Stainless



ORDER NO.	Mfr. No.	A	B	C	Allen Wrench Size	Chain Sizes
421-82608	182608-1	3-9/16"	5/8"	13/16"	5/32" & 4 mm	1/4"-5/16"

Breaking Strength 5,500 LBS.

JAW & JAW TURNBUCKLE - Machined AISI 316 Stainless



ORDER NO.	Mfr. No.	(Threads) A	B	C	D	E	F	Breaking Strength(LB)
421-85105	185105	5mm	7-1/16"	4-3/4"	3-1/8"	1/4"	3/16"	1,980
421-85106	185106	1/4"-28	8-1/4"	5-15/16"	3-9/16"	3/8"	1/4"	2,860
421-85108	185108	5/16"-24	9-7/8"	6-7/8"	4-5/16"	7/16"	5/16"	5,500
421-85110	185110	3/8"-24	11"	7-7/8"	4-3/4"	1/2"	3/8"	7,700

Each Sea-Dog Stainless Turnbuckle is made from AISI 316 stainless steel and features an electropolished bright finish at no additional cost. All thread sizes and wire rope sizes now conform to U.S. standards and are interchangeable with most other U.S. manufacturers.

Note: Item Number 185105 has 5mm metric threads.

General:
- *Turnbuckles should be lubricated before their first use and regularly thereafter*
- *Turnbuckles should be rinsed with fresh water regularly*
- *End fittings should be checked to ensure uninhibited universal movement*
- *Turnbuckles should also be inspected regularly for signs of damage such as bent terminals or cracking at thread roots, particularly at the end of thread*

TWIST & CURTAIN FASTENERS

ORDER NO. Bags	ORDER NO. Blister Pack	Description	Pcs/Pack
560-16100	560-01620	Twist Stud Two Hole	2
560-17100	560-01720	Double Prong Twist	2
560-18100	560-01820	Eyelet Stud & Washer	2
560-19100	560-01920	Twist Stud Screw	2

HITCH PINS - Stainless Steel

ORDER NO.	Mfr.No.	Size	Pcs/Bag
500-01100	500011	3/16 x 19/32	2
500-02100	500021	3/16 x 1	2
500-03100	500031	1/4 x 1-3/16	2
500-04100	500041	3/8 x 1-9/16	3
500-05100	500051	1/4 x 1-5/8	3
500-06100	500061	1/4 x 2-5/16	3

CANVAS FASTENERS

ORDER NO.	Mfr. No.	Description	Pcs/Pack
560-01100	560011	Socket & Clinch Plate	4
560-02100	560021	Stud & Clinch Plate	4
560-03100	560031	Eyelet Stud & Washer	4
560-04100	560041	Stud #8 Wood Screw	4
560-05100	560051	Stud #8 SMS 3/8	4
560-06100	560061	Stud #8 SMS 5/8	4
560-07100	560071	Stud #8-32 M/S 3/8	4

SNAP CANVAS FASTENERS

ORDER NO. Bags	ORDER NO. Blister Pack	Description	Pcs/Pack
560-08100	560-00820	1/4 Cap & Socket	6
560-09100	560-00920	11/64 Cap & Socket	6
560-10100	560-01020	Stud & Eyelet	6
560-11100	560-01120	Screw Stud #8 x 3/8	6
560-12100	560-01220	Screw Stud #8 x 5/8	6
560-15100	560-01520	MS Stud #10-32 3/8	6
560-20100		Hand Punch & Base	1
560-21100	-	Pull The Dot Snap	4
560-22100	-	Pull The Dot Stud	4
560-23100	-	Pull The Dot Eyelet	4
-	560-02420	3/4 Windshield Clip	4
-	560-02520	7/8 Windshield Clip	4

SNAP CAPS For Screw Sizes #6 & #8

ORDER NO.	Mfr. No.	Colour	Pcs/Bag
610-01100	610011	White	10
610-02100	610021	Cream	10
610-07100	610071	Royal Blue	10
610-10100	610101	Aluminum Tone	10
610-11100	610111	Black	10

SNAP CAPS For Screw Sizes #10 & #12

ORDER NO.	Mfr. No.	Colour	Pcs/Bag
610-12100	610121	White	10
610-13100	610131	Cream	10
610-16100	610161	Teak	10
610-21100	610211	Aluminum Tone	10
610-22100	610221	Black	10
610-33100	610331	Silver Grey	10

HANDI-MAN MARINE
KEEPING REPAIRS AT BAY

MARINE FASTENERS - BULK

SELF-TAPPING SCREWS 18-8 STAINLESS STEEL

Phillips Oval Head

(100 Per Box)

ORDER NO.	Length	Size/No.
654-00631	1/2"	4
654-00631A	3/4"	4
654-00631B	1/2"	6
654-00632	3/4"	6
654-00633	1"	6
654-00633A	1-1/4"	6
654-00633B	1-1/2"	6
654-00634	1/2"	8
654-00634A	3/4"	8
654-00635	1"	8
654-00636	1-1/4"	8
654-00635A	1-1/2"	8
654-00637	2"	8
654-00638	3/4"	10
654-00639	1"	10
654-00640	1-1/4"	10
654-00641	1-1/2"	10
654-00641A	2"	10
654-00640B	2-1/2"	10
654-00641B	3"	10
654-00642	1"	12
654-00642A	1-1/4"	12
654-00643	1-1/2"	12
654-00644	2"	12
654-00646	1"	14
654-00648	2"	14
654-00648A	2-1/2"	14

MACHINE SCREWS 18-8 STAINLESS STEEL

Phillips Oval Head

(100 Per Box)

ORDER NO.	Length	Size/No.
654-00690	1/2"	6-32
654-00692	1"	6-32
654-00693	1"	8-32
654-00694	1-1/2"	8-32
654-00694A	2"	8-32
654-00695	1"	10-24
654-00696	1-1/2"	10-24
654-00697	2"	10-24
654-00697A	2-1/2"	10-24
654-00698	3"	10-24
654-00702	1"	1/4-20
654-00703	1-1/2"	1/4-20
654-00704	2"	1/4-20
654-00704A	2-1/2"	1/4-20
654-00705	3"	1/4-20

(50 Per Box)

654-00707	4"	1/4-20

SELF-TAPPING SCREWS 18-8 STAINLESS STEEL

Phillips Flat Head

(100 Per Box)

ORDER NO.	Length	Size/No.
654-00660	3/4"	6
654-00660D	1-1/2"	6
654-00661	3/4"	8
654-00662	1"	8
654-00663	1-1/2"	8
654-00664	3/4"	10
654-00665	1"	10
654-00666	1-1/2"	10
654-00667	2"	10
654-00669	1-1/2"	12
654-00670	2"	12

MACHINE SCREWS 18-8 STAINLESS STEEL

Phillips Flat Head

(100 Per Box)

ORDER NO.	Length	Size/No.
654-00770	1"	6-32
654-00773	1"	8-32
654-00774	1-1/2"	8-32
654-00775	1"	10-24
654-00776	1-1/2"	10-24
654-00777	2"	10-24
654-00778	3"	10-24
654-00779	1"	1/4-20
654-00780	1-1/2"	1/4-20
654-00781	2"	1/4-20
654-00782	3"	1/4-20

SELF-TAPPING SCREWS 18-8 STAINLESS STEEL

Phillips Pan Head

(100 Per Box)

ORDER NO.	Length	Size/No.
654-00601	1/2"	4
654-00601A	3/4"	4
654-00602	3/4"	6
654-00603	1"	6
654-00603A	1/2"	8
654-00604	3/4"	8
654-00605	1"	8
654-00606	1-1/4"	8
654-00605A	1-1/2"	8
654-00607	2"	8
654-00608	3/4"	10
654-00609	1"	10
654-00610	1-1/4"	10
654-00611	1-1/2"	10
654-00611A	2"	10
654-00611D	2-1/2"	10
654-00612	1"	12
654-00612A	1-1/4"	12
654-00613	1-1/2"	12
654-00614	2"	12
654-00614A	3"	12
654-00617	1-1/2"	14
654-00618	2"	14

MACHINE SCREWS 18-8 STAINLESS STEEL

Phillips Pan Head

(100 Per Box)

ORDER NO.	Length	Size/No.
654-00748	1"	6-32
654-00751	1"	8-32
654-00752	1-1/2"	8-32
654-00755	1"	10-24
654-00756	1-3/4"	10-24
654-00757	2"	10-24
654-00758	3"	10-24
654-00759	1"	1/4-20
654-00761	2"	1/4-20
654-00761A	2-1/2"	1/4-20
654-00763	3"	1/4-20

MARINE FASTENERS - BULK

BOLTS 18-8 STAINLESS STEEL

Carriage

(100 Per Box)

ORDER NO.	Length	Size/No.
654-00877	1-1/2"	1/4-20
(50 Per Box)		
654-00884	3"	5/16-18
(50 Per Box)		
654-00890	3"	3/8-16

SELF DRILLING SCREWS 18-8 STAINLESS STEEL

Phillips Pan Head

(100 Per Box)

ORDER NO.	Length	Size/No.
654-02100	3/4"	8
654-02102	1"	8
654-02106	3/4"	10
654-02108	1-1/4"	10

SQUARE DRIVE TAPPING SCREWS

Flat Head

(100 Per Box)

ORDER NO.	Length	Size/No.
654-01903B	1"	10
654-01903C	1-1/4"	10
654-01904	1-1/2"	10
654-01905A	1-1/2"	12

Pan Head

(100 Per Box)

ORDER NO.	Length	Size/No.
654-01915A	3/4"	6
654-01917	1/2"	8
654-01917B	3/4"	8
654-01917C	1"	8
654-01918A	1-1/2"	8
654-01920A	3/4"	10
654-01920B	1"	10
654-01921	1-1/2"	10
654-01922B	2"	12

Oval Head

(100 Per Box)

ORDER NO.	Length	Size/No.
654-01911A	1"	8

LAG SCREWS 18-8 STAINLESS STEEL

Lag Screws

(100 Per Box)

ORDER NO.	Length	Size/No.
654-00896	1-1/2"	1/4
(50 Per Box)		
654-00899	2"	5/16
654-00901	4"	5/16
(50 Per Box)		
654-00902	2"	3/8
654-00903	2-1/2"	3/8
654-00904	3"	3/8
(25 Per Box)		
654-00905	3"	1/2

HEX NUTS - 18-8 STAINLESS STEEL

ORDER NO.	Size/No.	Pcs/Box
654-00314	6-32	100
654-00315	8-32	100
654-00316	10-24	100
654-00317	1/4-20	100
654-00318	5/16-18	100
654-00319	3/8-16	100
654-00320	1/2-13	50

LOCK NUTS - 18-8 STAINLESS STEEL

ORDER NO.	Size/No.	Pcs/Box
654-00180	6-32	100
654-00181	8-32	100
654-00182	10-24	100
654-00183	1/4-20	100
654-00184	5/16-18	100
654-00185	3/8-16	100
654-00186	1/2-13	50

CAP SCREWS 18-8 STAINLESS STEEL

Hex Head

(100 Per Box)

ORDER NO.	Length	Size/No.
654-00842	1"	1/4-20
654-00843	1-1/2"	1/4-20
654-00844	2"	1/4-20
654-00845	2-1/2"	1/4-20
654-00846	3"	1/4-20
(50 Per Box)		
654-00852	1-1/2"	5/16-18
654-00853	2"	5/16-18
654-00854	2-1/2"	5/16-18
654-00855	3"	5/16-18
(50 Per Box)		
654-00861	1-1/2"	3/8-16
654-00862	2"	3/8-16
654-00863	2-1/2"	3/8-16
654-00864	3"	3/8-16
654-00864B	3-1/2"	3/8-16
654-00865	4"	3/8-16
(25 Per Box)		
654-00870	3"	1/2-13
654-00870A	3-1/2"	1/2-13
654-00871	4"	1/2-13
654-00871A	4-1/2"	1/2-13

HANDI-MAN MARINE
KEEPING REPAIRS AT BAY

MARINE FASTENERS - BULK

FLAT WASHERS 18-8 STAINLESS STEEL

ORDER NO.	Size/No.	Pcs/Box
654-00190	# 6	100
654-00191	# 8	100
654-00192	# 10	100
654-00192A	# 12	100
654-00193	# 1/4	100
654-00194	# 5/16	100
654-00194A	# 3/8	100
654-00194B	# 1/2	50

FINISHING WASHERS / CUP 18-8 STAINLESS STEEL

ORDER NO.	Size/No.	Pcs/Box
654-00410	# 6	100
654-00411	# 8	100
654-00412	# 10	100
654-00412A	# 12	100
654-00413	# 1/4	100
654-00413A	# 5/16	100

LOCK WASHERS 18-8 STAINLESS STEEL

ORDER NO.	Size/No.	Pcs/Box
654-00195	# 6	100
654-00196	# 8	100
654-00197	# 10	100
654-00197A	# 12	100
654-00198	# 1/4	100
654-00199	# 5/16	100
654-00199A	# 3/8	100
654-00199B	# 1/2	50

LOCK WASHERS - EXTERNAL TOOTH 18-8 STAINLESS STEEL

ORDER NO.	Size/No.	Pcs/Box
654-00479	# 10	100
654-00480	# 1/4	100
654-00481	# 5/16	100
654-00482	# 3/8	100

COTTER PINS 18-8 STAINLESS STEEL

(100 Per Box)

ORDER NO.	Length	Size/No.
653-60028	3/4"	1/16
653-60038	1"	1/16
653-60098	1"	3/32
653-60118	1-1/2"	3/32
653-60128	2"	3/32
653-60168	1-1/4"	1/8
653-60178	1-1/2"	1/8
653-60198	2"	1/8
653-60268	1-3/4"	5/32
653-60288	2-1/2"	5/32
653-60298	1-1/2"	3/16
653-60328	3"	3/16

FENDER WASHERS 18-8 STAINLESS STEEL

(100 Per Box)

ORDER NO.	No.	Dia.
654-00425	# 10	11/16"
654-00426	# 1/4	1-1/4"
654-00427	# 5/16	1-1/2"
654-00428	# 3/8	1-1/2"
654-00427A	# 1/2	2"

CAP NUTS 18-8 STAINLESS STEEL

ORDER NO.	Size/No.	Pcs/Box
654-00013	10-24	100
654-00014	1/4-20	100

POP RIVETS ALUMINUM

(100 Per Box)

ORDER NO.	Length	Size/No.
654-60058	3/8"	1/8
654-60068	1/2"	1/8
654-60158	1/4"	3/16
654-60168	3/8"	3/16
654-60178	1/2"	3/16

POP RIVETS 18-8 STAINLESS STEEL

(100 Per Box)

ORDER NO.	Length	Size/No.
654-70058	3/8"	1/8
654-70068	1/2"	1/8
654-70158	1/4"	3/16
654-70168	3/8"	3/16
654-70178	1/2"	3/16

SOCKET SET SCREWS 18-8 STAINLESS STEEL

(100 Per Box)

ORDER NO.	No.	Size
654-00555	1/4-28	3/16"

WING NUTS 18-8 STAINLESS STEEL

ORDER NO.	Size/No.	Pcs/Box
654-00420	8-32	100
654-00421	10-24	100
654-00422	1/4-20	100

MARINE FASTENERS - BLISTER PACK

PHILLIPS HEAD FASTENERS
BLISTER PACK / 18-8 STAINLESS STEEL

Pan Self-Tapping

ORDER NO.	Size	Pcs/Pack
754-00601	4 x 1/2"	4
754-00601A	4 x 3/4"	4
754-00602	6 x 3/4"	4
754-00603	6 x 1"	4
754-00603A	8 x 1/2"	4
754-00604	8 x 3/4"	4
754-00605	8 x 1"	4
754-00606	8 x 1-1/4"	4
754-00608	10 x 3/4"	4
754-00609	10 x 1"	4
754-00610	10 x 1-1/4"	4
754-00611	10 x 1-1/2"	4
754-00611A	10 x 2"	4
754-00612	12 x 1"	4
754-00613	12 x 1-1/2"	4
754-00614	12 x 2"	4
754-00616	14 x 1"	4
754-00617	14 x 1-1/2"	4
754-00618	14 x 2"	2

PHILLIPS HEAD FASTENERS
BLISTER PACK / 18-8 STAINLESS STEEL

Oval Self-Tapping

ORDER NO.	Size	Pcs/Pack
754-00631	4 x 1/2"	4
754-00631A	4 x 3/4"	4
754-00631B	6 x 1/2"	4
754-00632	6 x 3/4"	4
754-00633	6 x 1"	4
754-00634	8 x 1/2"	4
754-00634A	8 x 3/4"	4
754-00635	8 x 1"	4
754-00636	8 x 1-1/4"	4
754-00635A	8 x 1-1/2"	4
754-00637	8 x 2"	4
754-00638	10 x 3/4"	4
754-00639	10 x 1"	4
754-00640	10 x 1-1/4"	4
754-00641	10 x 1-1/2"	4
754-00642	12 x 1"	4
754-00643	12 x 1-1/2"	4
754-00644	12 x 2"	4
754-00646	14 x 1"	4
754-00647	14 x 1-1/2"	4
754-00648	14 x 2"	4

PHILLIPS HEAD FASTENERS
BLISTER PACK / 18-8 STAINLESS STEEL

Oval Machine Screw with Hex Nut

ORDER NO.	Size	Pcs/Pack
754-00690	6-32 x 1/2"	4
754-00692	6-32 x 1"	4
754-00692B	8-32 x 3/4"	4
754-00693	8-32 x 1"	4
754-00694	8-32 x 1-1/2"	4
754-00695	10-24 x 1"	4
754-00696	10-24 x 1-1/2"	4
754-00697	10-24 x 2"	4
754-00698	10-24 x 3"	4
754-00702	1/4-20 x 1"	4
754-00703	1/4-20 x 1-1/2"	4
754-00704	1/4-20 x 2"	4
754-00704A	1/4-20 x 2-1/2"	2
754-00705	1/4-20 x 3"	2
754-00707	1/4-20 x 4"	2

PHILLIPS HEAD FASTENERS
BLISTER PACK / 18-8 STAINLESS STEEL

Pan Machine Screw with Hex Nut

ORDER NO.	Size	Pcs/Pack
754-00748	6-32 x 1"	4
754-00751	8-32 x 1"	4
754-00752	8-32 x 1-1/2"	4
754-00755	10-24 x 1"	4
754-00756	10-24 x 1-1/2"	4
754-00757	10-24 x 2"	4
754-00758	10-24 x 3"	2
754-00759	1/4-20 x 1"	4
754-00760	1/4-20 x 1-1/2"	2
754-00761	1/4-20 x 2"	2
754-00763	1/4-20 x 3"	2
754-00764	1/4-20 x 4"	2

PHILLIPS HEAD FASTENERS
BLISTER PACK / 18-8 STAINLESS STEEL

Flat Machine Screw with Hex Nut

ORDER NO.	Size	Pcs/Pack
754-00770	6-32 x 1"	4
754-00773	8-32 x 1"	4
754-00774	8-32 x 1-1/2"	4
754-00775	10-24 x 1"	4
754-00776	10-24 x 1-1/2"	4
754-00777	10-24 x 2"	4
754-00778	10-24 x 3"	4
754-00779	1/4-20 x 1"	4
754-00780	1/4-20 x 1-1/2"	2
754-00781	1/4-20 x 2"	2
754-00782	1/4-20 x 3"	2
754-00784	1/4-20 x 4"	2

LAG SCREW
STAINLESS STEEL

ORDER NO.	Size	Pcs/Pack
754-00896A	1/4 x 1"	2
754-00898	5/16 x 1-1/2"	2
754-00900	5/16 x 3"	2
754-00902	3/8 x 2"	2

CAP NUTS
BLISTER PACK / STAINLESS STEEL

ORDER NO.	Size	Pcs/Pack
754-00001	6-32	4
754-00002	8-32	4
754-00003	10-24	4
754-00014	1/4-20	2

BOLTS
HEX HEAD CAP SCREW W/NUT
STAINLESS STEEL

2-Pcs/ Pack

ORDER NO.	Size
754-00843	1/4-20 x 1-1/2"
754-00844	1/4-20 x 2"
754-00851	5/16-18 x 1"
754-00852	5/16-18 x 1-1/2"
754-00853	5/16-18 x 2"
754-00855	5/16-18 x 3"
754-00860	3/8-16 x 1"
754-00862	3/8-16 x 2"

LOCK NUTS
BLISTER PACK / STAINLESS STEEL

ORDER NO.	Size	Pcs/Pack
754-00180	6-32	4
754-00181	8-32	4
754-00182	10-24	4
754-00183	1/4-20	4

WELL NUTS
BLISTER PACK

2 Pcs/ Pack

ORDER NO.	Size
754-00465	6-32 x 1"
754-00466	8-32 x 1/2"
754-00467	10-32 x 3/4"
754-00468	1/4-20 x 5/8"
754-00469	1/4-20 x 1"
754-00472	10-24 x 3/4"

MARINE FASTENER - BLISTER PACK

LOCK WASHERS
BLISTER PACK / STAINLESS STEEL

ORDER NO.	Size	Pcs/Pack
754-00195	#6	30
754-00196	#8	20
754-00197	#10	20
754-00198	#1/4	10

FLAT WASHERS
BLISTER PACK / STAINLESS STEEL

ORDER NO.	Size	Pcs/Pack
754-00190	#6	20
754-00191	#8	20
754-00192	#10	10
754-00193	#1/4	10

LICENSE PLATE MOUNTING KIT
BLISTER PACK / STAINLESS STEEL (1-SET)

ORDER NO.	Size	Pcs/Pack
754-00460	1/4-20 x 5/8"	1-Set

HEX NUTS
BLISTER PACK / STAINLESS STEEL

ORDER NO.	Size	Pcs/Pack
754-00315	8-32	12
754-00316	10-24	12
754-00317	1/4-20	10

FINISHING WASHERS (CUP)
BLISTER PACK / STAINLESS STEEL

ORDER NO.	Size	Pcs/Pack
754-00410	#6	8
754-00411	#8	8
754-00412	#10	8
754-00413	#1/4	8

FENDER WASHERS
BLISTER PACK / STAINLESS STEEL

ORDER NO.	Size	Pcs/Pack
754-00425	10 x 11/16	4
754-00426	1/4 x 1-1/4	4
754-00427	#5/16 x 1-1/2	4
754-00428	#3/8 x 1-1/2	4

WING NUTS
BLISTER PACK / STAINLESS STEEL

ORDER NO.	Size	Pcs/Pack
754-00420	8-32	4
754-00421	10-24	4
754-00422	1/4-20	4

COTTER PINS
BLISTER PACK / STAINLESS STEEL

ORDER NO.	Size	Pcs/Pack
653-60152	1/8 x 1"	4
653-60172	1/8 x 1-1/2"	4
653-60192	1/8 x 2"	2
754-00450	Assorted	8

Contains 2 each of:
1/16 x 3/4, 3/32 x 1, 1/8 x 1-1/4, 5/32 x 2

POP RIVETS
BLISTER PACK / STAINLESS STEEL

ORDER NO.	Size	Pcs/Pack
754-00312	1/8 x 1/2"	8
754-00312B	5/32 x 3/8"	8
754-00312E	3/16 x 3/8"	6
754-00313H	3/16 x 1/4"	6
754-00313I	3/16 x 3/8"	6

MARINE FASTENER - BLISTER PACK

COTTER PINS
STAINLESS STEEL

(Bags - 10/Box)

ORDER NO.	Size	Pcs/Pack
753-60011	1/16 x 1/2"	12
753-60021	1/16 x 3/4"	12
753-60031	1/16 x 1"	12
753-60051	1/16 x 1-1/2"	10
753-60071	3/32 x 5/8"	10
753-60081	3/32 x 3/4"	10
753-60091	3/32 x 1"	4
753-60111	3/32 x 1-1/2"	4
753-60141	1/8 x 3/4"	4
753-60151	1/8 x 1"	4
753-60161	1/8 x 1-1/4"	4
753-60171	1/8 x 1-1/2"	4
753-60181	1/8 x 1-3/4"	4
753-60191	1/8 x 2"	2
753-60271	5/32 x 2"	2

COTTER RING & PIN SIZE CHART
FIND THE COTTER RING & COTTER PIN THAT FITS YOUR SIZE CLEVIS PIN

Clevis Pin Diameter	Cotter Ring Part No.	Cotter Pin Size
3/16"	753-61011	1/16 x 1/2"
1/4"	753-61021	3/32 x 3/4"
5/16"	753-61031	3/32 x 1"
3/8"	753-61041	3/32 x 1-1/4"
1/2"	753-61051	1/8" x 1-1/4"

COTTER RINGS
STAINLESS STEEL

(Bags - 10/Box)

ORDER NO.	Size	Pcs/Pack
753-61011	Fits 3/16 Clevis	8
753-61021	Fits 1/4 Clevis	6
753-61031	Fits 5/16 Clevis	4
753-61041	Fits 3/8 Clevis	4
753-61051	Fits 1/2 Clevis	4

For more information see:
www.handimanmarine.com

HANDI-PAKS

Choose from 4 different Handi-Packs.
All include a variety of the most popular fasteners. Packaged in a durable plastic box (easy open/close) with screw sliding gauge. Attractive and economical.

MACHINE SCREW KIT - OVAL HEAD

ORDER NO. 755-00100 Mfr. No. HP100

CONTAINS:	Size	Qty
Machine Screw	No.10-24 x 1"	8
Machine Screw	No.10-24 x 1-1/2"	8
Machine Screw	No.10-24 x 2"	8
Finishing Washer	No.10	24
Hex Nut	No.10-24	24

SELF TAPPING SCREW KIT - PAN HEAD

ORDER NO. 755-00101 Mfr. No. HP101

CONTAINS:	Size	Qty
Screw	No.6 x 1"	12
Screw	No.8 x 3/4"	12
Screw	No.8 x 1-1/4"	12
Screw	No.10 x 1-1/2"	12
Screw	No.12 x 2"	8

SELF TAPPING SCREW KIT - OVAL HEAD

ORDER NO. 755-00102 Mfr. No. HP102

CONTAINS:	Size	Qty
Screw	No.6 x 1"	12
Screw	No.8 x 3/4"	12
Screw	No.8 x 1-1/4"	12
Screw	No.10 x 1-1/2"	12
Screw	No.12 x 2"	8

COTTER PIN / RING KIT

ORDER NO. 755-00104 Mfr. No. HP104

CONTAINS:	Size	Qty
Cotter Pin	1/16 x 1"	12
Cotter Pin	3/32 x 2"	8
Cotter Pin	1/8 x 2"	8
Cotter Ring	7/16"O.D.	12
Cotter Ring	5/8"O.D.	12
Cotter Ring	3/4"O.D.	8

BOAT REPAIR KITS

DELUXE HANDI-PACK REPAIR KIT

Contains 168 of the most commonly used repair and replacement Stainless Steel Fasteners. Ideal for every boater.
Mfr. No. MK-900

ORDER NO. 755-00900

DESCRIPTION	Size	Qty
Phil. Oval Self-Tap	6 x 3/4	8
Phil. Oval Self-Tap	8 x 1	8
Phil. Pan Self-Tap	8 x 3/4	8
Phil. Flat Self-Tap	6 x 3/4	8
Phil. Flat Self-Tap	8 x 1	8
Phil. Oval Machine	8-32 x 3/4	8
Phil. Oval Machine	10-24 x 1	8
Phil. Flat Machine	6-32 x 3/4	8
Phil. Flat Machine	8-32 x 1	8
Slotted Oval Wood	4 x 1/2	8
Slotted Oval Wood	8 x 1	8
Hex Nut	6-32	8
Hex Nut	8-32	16
Hex Nut	10-24	8
Finish Washer	No.6	8
Finish Washer	No.8	16
Finish Washer	No.10	8

755-00900

755-00901

BASIC HANDI-PACK REPAIR KIT

All Stainless Steel 100 piece assortment. Machine Screws, Self-Tapping Screws, Nuts and Washers.
Mfr. No. MK-901

ORDER NO. 755-00901

DESCRIPTION	Size	Qty
Phil. Oval Self-Tap	6 x 3/4	6
Phil. Oval Self-Tap	8 x 1	6
Phil. Pan Self-Tap	8 x 3/4	6
Phil. Flat Self-Tap	8 x 1	6
Phil. Flat Self-Tap	10 x 1-1/4	6
Phil. Flat Self-Tap	12 x 1-1/2	6
Phil. Flat Machine	8-32 x 1	6
Phil. Flat Machine	10-24 x 1	6
Phil. Flat Machine	1/4-20 x 1	6
Hex Nut	8-32	6
Hex Nut	10-24	6
Hex Nut	1/4-20	6
Finish Washer	No.6	6
Finish Washer	No.8	6

MASTER MARINER KITS

BOSUN'S KIT

Mfr. No. WMMK1
Contains 16 different sizes of the most popular Phillips Oval and Self-Tapping Screws. Sizes 6 x 3/4 to 12 x 2.

Total of 408 pieces, packed in a durable plastic case.
ORDER NO. 755-00001

MATE'S KIT

Mfr. No. WMMK2
Contains 30 of the most popular marine fasteners. A combination kit consisting of Phillips Self-Tapping and Machine Screws, Hex Nuts, Flat, Finish and Lock Washers.

Total of 840 pieces, packed in a durable plastic case.
ORDER NO. 755-00002

SMALL COMBINATION FASTENER KIT

Mfr. No. WMMK9
A great variety of Phillips Oval Head Self-Tapping Screws, Phillips Oval Head Machine Screws, Hex Nuts and Flat Washers.

Total of 168 pieces, packed in a durable plastic case.
ORDER NO. 755-00009

BOATER'S FIX-IT KIT

The most popular items needed for a quick repair

Kit contains:

- (2)ea 4" & 8" Compression Cable Clamp Ties for wire, soft hoses, and lines
- (1) Black Vinyl Electrical Tape
- (1)ea AGC Glass Fuse 10, 15, 20, and 30 Amp
- (1)ea ATC Blade Fuse 10, 15, 20, and 30 Amp
- (1)ea ATM Mini Blade Fuse 10, 15, and 20 Amp
- (2)ea Blue and Yellow Wire Nuts
- (2) Blue 18-14 AWG Instant Tap Connectors
- (2) Extend-A-Snap" Snap Fastener Extenders
- (2) Marine Snap Fastener Screw Studs #8 x 5/8"
- (2) #10 Stainless Steel Phillips Oval Head Self Tapping Screws 1" and 1-1/2"
- (10) #10 Stainless Steel Finishing Cup Washers
- (2) 10-24 Stainless Steel Phillips Oval Head Machine Screws 1" and 2"
- (4) 10-24 Stainless Steel Hex Nuts
- (2) ¼"-20 Stainless Steel Phillips Pan Head Machine Screws 1" and 2"
- (6) ¼"-20 Stainless Steel Hex Nuts
- (10) ¼" Stainless Steel Flat Washers

ORDER NO. 755-00008
Mfr. No. WMMK8

FASTENERS BULK DISPLAY

O-RING KIT - 30 PIECES

Kit Includes:

(6) 3/8 dia. O-Ring #110
(6) 7/16 - 5/8 dia. O-Ring #111
(6) 9/16 - 3/4 dia. O-Ring #113
(6) 5/8 dia. O-Ring #114
(6) 11/16 dia. O-Ring #115

ORDER NO. 970-07000
Mfr. No. 970070

For more information see:
www.handimanmarine.com

SHIELDS VAC EXTRA HEAVY DUTY /INDUSTRIAL GRADE HOSE

- Bilge pump intake and discharge
- Drains - sink, shower, scupper
- Potable water tank fill
- Livewell intake and drain
- Sanitation - intake, vent, pump out

Smooth cover clear FDA formula PVC with white vinyl helix.
Rated for full vacuum. Resistant to: Mild chemicals, salt water.
Do not use ethylene glycol based antifreeze in hose.
For below waterline connections.
Do not use in pressurized water systems.

ORDER NO.	I.D.	Bend Radius	Vac Rating	Length/ Package
116-146-0586	5/8"	3	28	50 ft. R/O Carton
116-146-0346	3/4"	3	28	50 ft. R/O Carton
116-146-1006	1"	3	28	50 ft. R/O Carton
116-146-1146	1-1/4"	3	28	50 ft. R/O Carton
116-146-1186	1-1/8"	4	28	50 ft. R/O Carton
116-146-1126	1-1/2"	4	28	50 ft. R/O Carton

SHIELDS VAC EXTRA HEAVY DUTY/FDA

Smooth white FDA grade PVC with vinyl helix. Rated for full vacuum.
Resistant to: Mild chemicals, salt water, permeation.

- Sanitation - Toilet to holding tank-self-draining lines, intake, vent, pump out
- Bilge Pump intake and discharge
- Resistant to: Odour permeation
- Drains - Sink, shower, scupper
- Potable water tank fill
- Livewell intake and drain

Do not use glycol based antifreeze in hose.
Do not use in pressurized water systems.

ORDER NO.	I.D.	Bend Radius	Vac Rating	Length/ Package
148-11250	1-1/2"	5	28	25 ft. Coil
148-11201-50	1-1/2"	5	28	50 ft. Coil
148-11200	1-1/2"	5	28	100 ft. Coil

SHIELDS SANITATION HOSE

EPDM tube & cover, wire reinforced, two fabric plies. Kink resistant and flexible.
Resistant to: Toilet chemicals, odour permeation, ozone, salt water, heat.

- Toilet to holding tank
- Holding tank pump out
- Maximum resistance to odour permeation

ORDER NO.	I.D.	O.D.	Ply	Burst Pressure	Length/ Package
101-11201	1-1/2"	1-55/64"	2	150#	Sold Per Foot
116-101-1000	1"	1-5/16"	2	200#	50 ft. Coil
116-101-1120	1-1/2"	1-55/64"	2	150#	50 ft. Coil

SHIELDS POLY-X SANITATION HOSE

The ultimate sanitation hose. Lifetime warranty against odour permeation.
Combines the flexibility of a rubber hose with the ultimate permeation resistance of Polyurethane. Poly X can easily be slipped over most fittings.
Polyurethane cover is very abrasion resistant. Glossy cover for easy clean up.

- Head to holding tank
- Holding tank pump out

CONSTRUCTION:
Tube: Smooth, white EPDM, chemicals and detergent resistant.
Reinforcement: 2 textile fabric plies with one steel wire.
Cover: Smooth, POLYURETHANE, heat, weather, ozone and abrasion resistant, glossy cover.

ORDER NO.	I.D.	O.D.	Ply	Vac Rating	Length/ Package
116-105-1000	1"	1-21/64"	2	28	50 ft. Coil
116-105-1120	1-1/2"	1-27/32"	2	28	50 ft. Coil

SANITATION HOSE FITTINGS

Fiberglass reinforced nylon fittings designed to fit Series 101,
Series 105, Series 144 and 148 hoses without heating or special tools. For use in sanitation systems, deck drain systems and water tank fill. Fittings are durable, chemical and fuel resistant, will not rust or cause electrolysis.

18-800-1120 | 18-801-1120 | 18-802-1120 | 18-806-1120 | 18-803-1120

ORDER NO.	Hose I.D.	Thread	Style
18-800-1120	1-1/2"	1-1/2" MP	Straight Male
18-801-1120	1-1/2"	1-1/2" FP	Straight Female
18-802-1120	1-1/2"	1-1/2" MP	90˚ Male
18-803-1120	1-1/2"	1-1/2" FP	90˚ Female
18-806-1120	1-1/2"	N/A	Hose Tee

For more information see:
www.catalog.sierraparts.com

WATER/BILGE/BLOWER VENT HOSE

SHIELDS 400/402 VINYLVENT

PVC supported by anodized wire helix.
Resistant to UV and ozone.
• Venting of Bilge Fumes.

ORDER NO.	I.D.	O.D.	Colour	Length/ Package
400-30000	3"	3-1/8"	White	Sold per foot
400-33000	3"	3-1/8"	White	50 ft. Box
400-33001	3"	3-1/8"	Black	50 ft. Box
400-40000	4"	4-1/8"	White	Sold per foot
400-44000	4"	4-1/8"	White	50 ft. Box
400-44001	4"	4-1/8"	Black	50 ft. Box

SHIELDS EXTRA HEAVY DUTY VINYLVENT BLOWER VENT HOSE

• Venting Of Bilge Fumes
Extra heavy PVC wall. Supported by vinyl coated helical wire. Resistant to: ozone, UV, corrosion.
Flame resistant: Meets UL 94V standard.

ORDER NO.	I.D.	O.D.	Colour	Length
116-420-3000	3"	3-1/8"	Black	50 ft.
116-420-4000	4"	4-1/8"	Black	50 ft.

SHIELDS BILGEFLEX

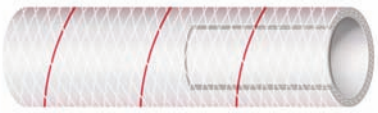
Single layer corrugated polyethylene. Resistant to: Mild chemicals, salt water. Clamping cuff every foot
• Bilge pump discharge
• Available in black
Do not attach to thru hull fitting below the water line.

ORDER NO.	I.D.	Bend Radius	Vac Rating	Length/ Package
120-03410	3/4"	3/4"	20	6 ft/Bag
120-03430	3/4"	3/4"	20	9 ft/Bag
120-03460	3/4"	3/4"	20	50 ft/Box
120-11810	1-1/8"	1"	20	6 ft/Bag
120-11830	1-1/8"	1"	20	9 ft/Bag
120-11860	1-1/8"	1"	20	50 ft/Box
120-11201	1-1/2"	2"	20	Sold per foot

PVC TUBING-CLEAR

• Non-pressurized Potable Water System Supply
• Drain Lines - Sink, Shower, Ice Box
Single layer FDA formula vinyl.
Not for hot water or pressurized water systems

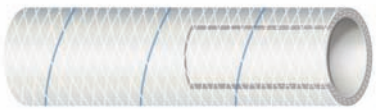
ORDER NO.	I.D.	Wall	Burst Pressure	Length/ Package
150-01201	1/2"	.110"	45#	Sold per foot
150-05801	5/8"	.110"	40#	Sold per foot
150-03401	3/4"	.110"	35#	Sold per foot



ALL CLEAR PVC TUBING POLYESTER REINFORCED (Red-Tracer)

Polyester braid reinforcement - 250 psi burst pressure.
Clear heavy wall FDA formula vinyl.
• Pressurized Water System Supply - Hot Or Cold
• Drain Lines - Sink, Shower, Ice Box
• Wash Down Pump Connections
• Head Intake

ORDER NO.	I.D.	O.D.	Burst Pressure	Length/ Package
162-01201	1/2"	23/32"	250#	Sold per foot
162-05801	5/8"	27/32"	250#	Sold per foot
162-03401	3/4"	31/32"	250#	Sold per foot



CLEAR WHITE PVC TUBING POLYESTER REINFORCED (Blue-Tracer)

White FDA formula vinyl tube. Clear vinyl cover.
Polyester braid reinforcement - 250 psi burst pressure.
• Pressurized Water System Supply - Hot Or Cold
• Drain Lines - Sink, Shower, Ice Box
• Wash Down Pump Connections
• Head Intake

ORDER NO.	I.D.	O.D.	Burst Pressure	Length/ Package
164-01201	1/2"	11/16"	250#	Sold per foot
164-05801	5/8"	13/16"	250#	Sold per foot
164-03401	3/4"	15/16"	250#	Sold per foot

For more information see: www.catalog.sierraparts.com

SHIELDSFLEX II MARINE WATER/EXHAUST HOSE (w/Wire)

Black synthetic rubber tube and cover. Reinforced with wire helix imbedded between plies of HD synthetic cord.
Resistant to: exhaust fumes, ozone, mild chemicals, antifreeze, salt water.
Abrasion resistant. Odour permeation resistant.

- Engine Intake
- Wet Exhaust Connections - Use Where Bends Or Long Lengths Required
- Bilge Pump Intake/ Discharge
- Scupper Lines
- Toilet Intake, Discharge
- Holding Tank Vent, Pump Out

Temperature range:
-20° F to +200° F continuous, +250° F intermittent

Meets SAE J2006 Type R2
Meets ISO 13362:2004 - Type 1 - Class B

IMPROVED
NOW DOUBLE THE OZONE RESISTANCE
REQUIRED BY SAE J2006

PRE CUT LENGTHS			
ORDER NO.	I.D.	O.D.	**Pre Cut Length**
250-05801-12	**5/8"**	61/64"	12-1/2 Ft.
250-03401-12	**3/4"**	1-1/16"	12-1/2 Ft.
250-01001-12	**1"**	1-5/16"	12-1/2 Ft.
250-11441-12	**1-1/4"**	1-19/32"	12-1/2 Ft.
250-11241-12	**1-1/2"**	1-53/64"	12-1/2 Ft.
250-15841-12	**1-5/8"**	2"	12-1/2 Ft.
250-13441-12	**1-3/4"**	2-1/8"	12-1/2 Ft.
250-20041-12	**2"**	2-13/32"	12-1/2 Ft.
250-05801-25	**5/8"**	61/64"	25 Ft.
250-03401-25	**3/4"**	1-1/16"	25 Ft.
250-01001-25	**1"**	1-5/16"	25 Ft
250-11441-25	**1-1/4"**	1-19/32"	25 Ft
250-11241-25	**1-1/2"**	1-53/64"	25 Ft
250-05801-50	**5/8"**	61/64"	50 Ft.
250-03401-50	**3/4"**	1-1/16"	50 Ft.
250-01001-50	**1"**	1-5/16"	50 Ft.
250-11441-50	**1-1/4"**	1-19/32"	50 Ft.
250-11241-50	**1-1/2"**	1-53/64"	50 Ft.
250-15841-50	**1-5/8"**	2"	50 Ft.
250-13441-50	**1-3/4"**	2-1/8"	50 Ft.
250-20041-50	**2"**	2-13/32"	50 Ft.
250-21241	**2-1/2"**	2-7/8"	Per Foot
250-30041	**3"**	3-7/16"	Per Foot
250-31241	**3-1/2"**	4"	Per Foot
250-40041	**4"**	4-5/8"	Per Foot

ORDER NO. 12-1/2 Ft. Length	**ORDER NO.** Sold per Foot	I.D.	O.D.	Ply
N/A	**200-05801**	**5/8"**	1-1/32"	2
N/A	**200-03401**	**3/4"**	1-9/64"	2
116-200-0784	**N/A**	**7/8"**	1-17/64"	2
116-200-1004	**N/A**	**1"**	1-3/8"	2
N/A	**200-11401**	**1-1/4"**	1-45/64"	2
N/A	**200-11201**	**1-1/2"**	1-15/16"	2
116-200-1344	**N/A**	**1-3/4"**	2-13/64"	2
116-200-2004	**N/A**	**2"**	2-31/64"	2
116-200-2124	**N/A**	**2-1/2"**	3"	2
116-200-3004	**N/A**	**3"**	3-9/16"	2
116-200-3124	**N/A**	**3-1/2"**	4-3/32"	2
116-200-4004	**N/A**	**4"**	4-17/32"	4

SHIELDS MARINE EXHAUST/WATER HOSE (No Wire)

Black heavy walled synthetic rubber. Reinforced with 2 or 4 plies of synthetic cord. Resistant to: Engine heat, exhaust fumes, ozone, mild chemicals, antifreeze, salt water.

- Straight Connections In Wet Exhaust Systems
- Engine Water Circulation Lines

Temperature range: -20° F to +200° F continuous +250° F intermittent
Meets SAE J2006 Type R1
Meets ISO 13362:2004 - Type 2 - Class B

SHIELDSAUST- C

Black synthetic rubber tube and cover.
Reinforced with double wire helix imbedded between plies of synthetic cord.
Resistant to: exhaust fumes, ozone, mild chemicals, antifreeze, salt water.
Abrasion resistant.
Temperature range:
-20° F to +200° F continuous, +250° F intermittent

- Wet Exhaust Connections With Significant Bends
- Engine Intake
- Scupper Lines

Meets SAE J2006 Type R2

IMPROVED
NOW DOUBLE THE OZONE RESISTANCE
REQUIRED BY SAE J2006

ORDER NO.	I.D.	O.D.	**Pre Cut Length**
116-252-5004	**5"**	5-9/16"	12-1/2 Ft.
116-252-6004	**6"**	6-9/16"	12-1/2 Ft.
116-252-8004	**8"**	8-11/16"	12-1/2 Ft.

NEW!

Sierra Marine Engine and Drive Parts

SHIELDS® Marine Hose

EXOFLEX HOSE

ExoFlex Marine Hose is suitable for delivery of cooling water & exhaust gas.

- SAE J2006 R2 LLOYD Registered Type Approved
- Temperature Range: -22°F to 212°F, Peak 239°F
- Black corrugated synthetic rubber tube cover
- Resistant to heat, salt water, ozone, and abrasions
- Reinforced with synthetic plies, steel wire helices make it strong & kink resistant
- Very flexible with a 1.5" x ID" radius
- Tighter corrugations to optimize the perfect clamp location

ORDER NO.	Mfr. No.	Coil Size	Bend Radius
116-254-0344	Same	3/4" Exoflex Exhaust Hose, 12-1/2 ft.	1-1/8"
116-254-1001	Same	1" Exoflex Exhaust Hose, 6-1/4 ft.	1-1/2"
116-254-1004	Same	1" Exoflex Exhaust Hose, 12-1/2 ft.	1-1/2"
116-254-1144	Same	1-1/4" Exoflex Exhaust Hose, 12-1/2 ft.	1-7/8"
116-254-1124	Same	1-1/2" Exoflex Exhaust Hose, 12-1/2 ft.	2-1/4"
116-254-1584	Same	1-5/8" Exoflex Exhaust Hose, 12-1/2 ft.	2-7/16"
116-254-2001	Same	2" Exoflex Exhaust Hose, 6-1/4 ft.	3"
116-254-2004	Same	2" Exoflex Exhaust Hose, 12-1/2 ft.	3"
116-254-2121	Same	2-1/2" Exoflex Exhaust Hose, 6-1/4 ft.	3-3/4"
116-254-2124	Same	2-1/2" Exoflex Exhaust Hose, 12-1/2 ft.	3-3/4"
116-254-3001	Same	3" Exoflex Exhaust Hose, 6-1/4 ft.	4-1/2"
116-254-3004	Same	3" Exoflex Exhaust Hose, 12-1/2 ft.	4-1/2"
116-254-3121	Same	3-1/2" Exoflex Exhaust Hose, 6-1/4 ft.	5-1/4"
116-254-3124	Same	3-1/2" Exoflex Exhaust Hose, 12-1/2 ft.	5-1/4"
116-254-4001	Same	4" Exoflex Exhaust Hose, 6-1/4 ft.	6"
116-254-4004	Same	4" Exoflex Exhaust Hose, 12-1/2 ft.	6"
116-254-4121	Same	4-1/2" Exoflex Exhaust Hose, 6-1/4 ft.	6-3/4"
116-254-5001	Same	5" Exoflex Exhaust Hose, 6-1/4 ft.	7-1/2"

RIGGING ACCESSORIES

- Application: Outboard engines
- UV Stabilized plastic
- Hides all engine cables & fuel line while allowing easy access to the primer bulb
- Complies with ABYC - NMMA Specs

018-97620

018-97630

018-97640

018-97730
NO IMAGE AVAILABLE

ORDER NO.	Mfr. No.	Description
018-97620	18-9762	Rigging Hose Flange w/Fuel Port, Black (Fits: 2" Sternflex Rigging Hose 126 Series)
018-97630	18-9763	Rigging Hose Union w/Fuel Port, Black **(Split Design allows Installation on Pre-Rigged Boats)**
018-97640	18-9764	Rigging Flange Hose / Union Kit, Black. Includes 018-97620 & 018-97630. **(Split Design allows Installation on Pre-Rigged Boats)**
018-97730	18-9773	Rigging Hose Kit w/ Fuel Port, Black. Includes 018-97640 plus hose. **(Includes 5' of 2" dia. Sternflex hose)**

SHIELDS SERIES 368 LOW PERMEATION MARINE FUEL HOSE

Fuel Feed - Gasoline up to 85% ethanol blended fuels/diesel/Bio=diesel all blends. Complies with EPA and CARB very low permeation requirements. Meets USCG Type A1-15 Requirements for pleasure boats.

- Plastic barrier veneer with NBR outer layer tube to limit permeation.
- Polyester reinforced.
- Weather / UV resistant NBR/PVC cover.
- Temperature range: -20° F to 212° F

Meets SAE J1527 Type A1-15, ISO 7840 Type A1
NMMA/CE Type Accepted

ORDER NO.	I.D.	O.D.	Ply	Burst Pressure	Length/ Package
368-01460	1/4"	19/32"	2	250#	50'/Box
368-01401	1/4"	19/32"	2	250#	Sold per foot
368-01260	1/2"	19/32"	2	250#	50'/Box
368-05660	5/16"	11/16"	2	250#	50'/Box
368-05601	5/16"	11/16"	2	250#	Sold per foot
368-03860	3/8	11/16"	2	250#	50'/Box
368-03801	3/8"	11/16"	2	250#	Sold per foot

SHIELDS FIRE-ACOL FUEL VENT

Resists gasoline/alcohol blended fuel and is fire resistant. Features a weather/UV resistant NBR/PVC cover. This hose is primarily used for fuel vent lines (gasoline up to 85% ethanol blended fuels/diesel fuels). Meets USCG Type A2 requirements for pleasure boats and meets SAE J1527 Type A2, ISO 7840 Type A2 and NMMA/CE Type accepted standards. Temperature ranges from -20˚F TO 160˚F.

ORDER NO.	I.D.	O.D.	Length/ Package
369-05860	5/8"	31/32"	50'/Box
369-05801	5/8"	31/32"	Sold per foot

SHIELDS FUEL FILL HOSE

Resists gasoline/alcohol blends. Compounded for low permeation. Reinforced with wire helix imbedded between plies of HD synthetic cord. Abrasion resistant. Imported.

- Fuel Fill - Gas Or Diesel
- For pleasure boats only

Meets SAE J1527 Type A2, ISO 7840 Type A2
NMMA and CE type accepted

ORDER NO.	I.D.	O.D.	Ply	Burst Pressure	Length/ Package
355-11230	1-1/2"	1-57/64"	2	90#	10'/Box
355-11201	1-1/2"	1-57/64"	2	90#	Sold per foot
355-11201-50	1-1/2"	1-57/64"	2	90#	50'/Coil
355-20040	2"	2-31/64"	2	90#	12-1/2'/Box

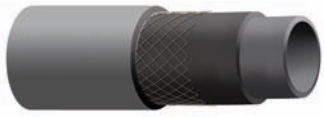
2 YEAR EMISSION PERFORMANCE WARRANTY

Low Permeation Meets EPA Requirements

SILVERADO 4000 OUTBOARD FUEL LINE

Meets SAE J1527 Type B1-15 and ISO 8469

- Ultra low permeation – meets EPA & CARB standards
- For use in above deck primer bulb assemblies
- Resistant to ethanol blend fuels
- 2 year replacement warranty
- For pleasure boats only



ORDER NO.	I.D.	O.D.	Ply	Burst Pressure	Length/ Package
337-01450	1/4"	7/16"	2	175#	25'/Box
337-01460	1/4"	7/16"	2	175#	50'/Box
337-05660	5/16"	1/2"	2	175#	50'/Box
337-05601	5/16"	1/2"	2	175#	Sold per foot
337-03860	3/8"	35/64"	2	175#	50'/Box
337-03801	3/8"	35/64"	2	175#	Sold per foot

SILVERADO 2000 OUTBOARD FUEL FILL HOSE

Resistant to gasoline/alcohol blends. Remains flexible at low temperatures. UV resistant. Temperature range: -5°F to 180°F. EPA regulations do not allow use of this product in new detachable fuel line assemblies. **Meets SAE J1527 Type B2**

ORDER NO.	I.D.	O.D.	Ply	Burst Pressure	Length/ Package
315-05860	5/8"	29/32"	2	175#	50'/Box
315-05801	5/8"	29/32"	2	175#	Sold per foot

For more information see: www.catalog.sierraparts.com

OETIKER® STEPLESS® EAR HOSE CLAMPS

- Forms a full 360° circle
- Tongue & groove interlock design
- Fast clamping with tool
- No leaks around hose
- Light weight design
- 100 ea. per bag

ORDER NO.	Size	Incl. in Kit
167-00001	5.8 - 7.0mm	Y
167-00004	7.8 - 9.5mm	Y
167-00006	8.8 - 10.5mm (3/8)	Y
167-00007	9.6 - 11.3mm	Y
167-00010	10.8 - 13.3mm	Y
167-00012	11.5 - 14.0mm	Y
167-00013	12.0 - 14.5mm	Y
167-00016	13.2 - 15.7mm	Y

ORDER NO.	Size	Incl. in Kit
167-00017	14.5 - 17.0mm (5/8)	Y
167-00020	15.3 - 18.5mm	Y
167-00024	17.8 - 21.0mm (3/4)	Y
167-00031	22.4 - 25.6mm (1)	Y
167-00037	26.9 - 30.1mm	Y
167-00040	28.4 - 31.6mm	Y
167-05989	37.8 - 41.0mm	Y

For more information see: www.thmarinesupplies.com

OETIKER® STEPLESS® EAR CLAMP KIT

- Great for shop or rigging work
- Contains 10 each / 15 most needed sizes
- Complete with connection tool

ORDER NO.	Description
185-00000	Stepless® Clamp Kit

HOSE CLAMPS

All components are manufactured from marine grade 316 stainless steel. These clamps are designed to fit many applications from 5/16" to 7" dia. hose.

ORDER NO.	Diameter Size	Std. No.
118-710-062	7/16" to 3/4"	006
118-710-082	1/2" to 7/8"	008
118-710-102	9/16" to 1-1/16"	010
118-710-122	11/16" to 1-1/4"	012
118-710-162	11/16" to 1-1/2"	016
118-710-202	13/16" to 1-3/4"	020
118-710-242	1-1/16" to 2"	024
118-710-282	1-5/16" to 2-1/4"	028
118-710-322	1-9/16" to 2.1/2"	032
118-710-362	1-13/16" to 2-3/4"	036
118-710-402	2-1/16" to 3"	040
118-710-442	2-5/16" to 3-1/4"	044
118-710-482	2-9/16" to 3-1/2"	048
118-710-522	2-13/16" to 3-3/4"	052
118-710-562	3-1/16" to 4"	056
118-710-602	3-5/16" to 4-1/4"	060
118-710-642	3-9/16" to 4-1/2"	064
118-710-722	4-1/16" to 5"	072
118-710-802	4-9/16" to 5-1/2"	080
118-710-882	5-1/6" to 6"	088
118-710-962	5-5/8" to 6-1/2"	096
118-710-1042	5" to 7"	104

For more information see: www.catalog.sierraparts.com

EXHAUST HOSE CLAMPS T-BOLT BAND CLAMPS

Designed to fit Shield series 200, 250, & are perfect for any application below the waterline.

- Band is 316 stainless steel & is .025" thick by .75" wide
- Includes an extra long 1/4" bolt & nylon inset locknut

ORDER NO.	Hose I.D.	Diameter Range
118-720-2000	2"	2.31 - 2.69
118-720-2120	2-1/2"	2.68 - 3.34
118-720-3000	3"	3.10 - 3.76
118-720-3120	3-1/2"	3.59 - 4.25
118-720-4000	4"	4.18 - 4.84
118-720-4180	4-1/2"	4.25 - 4.95
118-720-4120	4-1/8"	4.75 - 5.41
118-720-5000	4-1/2"	5.30 - 5.96
118-720-5120	5-1/2"	5.75 - 6.41
118-720-6000	6"	6.38 - 7.04
118-720-8000	8"	8.42 - 9.08

HOSE CLAMPS

ORDER NO.	Clamp No.	Nominal Size.	Min Dia	Max Dia
104-46806	# 6	3/8"	3/8"	26/32"
104-46810	# 10	5/8"	8/18"	1-1/8"
104-46816	# 16	1"	5/8"	1-1/2"
104-46828	# 28/30	1-3/4"	1-7/16"	2-3/8"
104-46836	# 36	2-1/4"	1-13/16"	2-3/4"
104-46852	# 52	3-1/4"	2-13/16"	3-3/4"

MARINE GRADE SS HOSE CLAMPS - 10 BOX

ORDER NO.	Size.	Hose Clamp.
530-01500*	7/32" - 5/8"	5/16" Band
530-02500	7/16" - 25/32"	5/16" Band
530-04500*	7/16" - 25/32"	1/2" Band
530-06500*	9/16" - 1-1/16"	1/2" Band
530-08500*	13/16" - 1-1/2"	1/2" Band
530-09500*	13/16" - 1-3/4"	1/2" Band
530-10500*	1-1/16" - 2"	1/2" Band
530-12500*	1-13/16" - 2-3/4"	1/2" Band
530-14500*	2-916" - 3-1/2"	1/2" Band

Note: Denotes items on Display*

Hose Clamps are made entirely of marine grade stainless steel including the screw, band, and housing for durability and longevity in the marine environment.

STAINLESS STEEL HOSE CLAMP DISPLAY

Display consists of 10 Each of 8 Items

- Merchandiser of 8 most popular sizes of SS Hose clamps
- Clamp, screw and housing all made of non-magnetic marine grade stainless steel.
- Sizes displayed on header for easy selection and reordering.

ORDER. NO. 980-04900

For more information see: www.handimanmarine.com

SILICONE SINGLE / DOUBLE HUMP COUPLERS

Blue silicone cover with smooth finish for easy clean up. Stable at elevated temperatures. Resistant to: exhaust fumes, ozone, mild chemicals, antifreeze, salt water.

- Provides angular & longitudinal vibration absorption in wet exhaust systems
- Corrects Slight Offset In Pipes
- Temperature range: -20° F to +350° F

Meets SAE J2006 Type R1

ORDER NO.	I.D.	Length	lbs.
Single Hump			
116-272-4000	4"	6"	2
Single Hump			
116-274-6000	6"	14"	3
116-274-8000	8"	14"	3

SHIELDS STERNFLEX HOSE

Shields Sternflex has a polyethylene co-polymer wall with an integral polyethylene helix. It is resistant to abrasion, crushing, & UV. This hose is primarily used as a cover for the harness & for the hoses on the bracket mounted on outboard engines.

ORDER NO.	I.D.	Bend Radius	Colour
50 Ft. Hose *(Bulk Packaging)*			
116-126-2000B	2"	3"	Black
116-126-2000W	2"	3"	White
116-126-2000G	2"	3"	Grey
10 Ft. Hose *(Boxed Packaging)*			
116-126-2003B	2"	3"	Black
116-126-2003W	2"	3"	White
116-126-2003G	2"	3"	Grey

RIGGING HOSE KITS

- Contains (1) UV stabilized flange & 5' of 2" diameter Sternflex hose
- Hides all engine cables, hoses, & harnesses
- Can be added to any style outboard engine

ORDER NO.	Description
RIGGING HOSE FLANGES	
018-9761B	UV Stabilized Black
018-9761W	UV Stabilized White
018-9761G	UV Stabilized Grey
RIGGING HOSE KITS	
018-9883B	Kit, Black
018-9883W	Kit, White
018-9883G	Kit, Grey

SHIELDS EXPANDABLE BRAIDED SLEEVING (SCISSOR CUT)

Designed to be cut with scissors making it ideal for field installation where a hot knife required by other conduit is not practical. Conduit features a dense braid for excellent coverage and high abrasion resistance. Temperature range - 94˚F to 257˚F, melt temperature 482˚F. Meets RoHS, ABYC & UL 94 V2 standards.

ORDER NO.	Description	Expansion Range (Min)	Expansion Range (Max)	Shop Spool (Ft.)	Wt. Spool (lbs.)
116-129-0147	1/4" Expandable Braided Sleeving	5/32"	7/16"	100	0.46
116-129-0127	1/2" Expandable Braided Sleeving	1/4"	3/4"	100	0.82
116-129-0348	3/4" Expandable Braided Sleeving	5/8"	1"	75	0.84
116-129-1006	1" Expandable Braided Sleeving	3/4"	1-3/16"	50	0.62
116-129-1126	1-1/2" Expandable Braided Sleeving	1-1/4"	2"	50	0.93
116-129-2006	2" Expandable Braided Sleeving	1-3/4"	2-1/2"	50	1.75

For more information see: www.catalog.sierraparts.com

205-00311

205-00300

RIGGING FLANGE/HOSE UNION

- Completes professional rigging installation
- Complies with ABYC-NMMA specifications
- Split design of union allows installation on pre-rigged boats
- Fuel hose ports ID - 3/4"
- Installs with 2" ID T-H Marine rigging hose

ORDER NO.	Mfr. No.	Description
205-00311	RFHU-1-DP	Rigging Flange Hose Union, Black
205-00300	RFFHP-1-DP	Rigging Flange w/ Fuel Hose Port, Black

205-00301

205-00350-1

205-204117

RIGGING FLANGE & HOSE

- Protects cables, hoses and wiring from elements
- Molded polypropylene flange threaded to retain hose
- Vinyl cap provides closure for the engine end of hose

ORDER NO.	Mfr. No.	Description
205-00301	RF-1-DP	Rigging Flange, Black *Fits 2" Rigging Hose*
205-204117	RF-1A-DP	Rigging Flange, **Angled**, Black *Fits 2" Rigging Hose*
205-00350-1	RFH-1-DP	2" x 50 Ft. Hose, Black

ZIPPERED RIGGING SLEEVES

- Zips ON-OFF to protect cables and hoses
- Rugged Sunbrella™ Weather & UV resistant
- Ends are secured with cable ties

ORDER NO.	Mfr. No.	Description
205-00111	ZRS-1-DP	48", Black

RIGGING FLANGE HOSE KITS

Dress up, protect, & organize your outboard rigging.

- 2.5" Diameter & 4 ft rigging hose

ORDER NO.	Mfr. No.	Description
205-00400-1	RFK-2.5Y-1-DP	Black
205-00400-2	RFK-2.5Y-2-DP	White
205-00400-3	RFK-2.5Y-3-DP	Grey

For more information see www.thmarinesupplies.com

PERMANENT FUEL TANKS

All permanent tanks feature a swivel pick-up

MOELLER SELECT

MOELLER marine products

Quality
- In line quality checks
- Conform to all ABYC, EPA, USCG, ISO, CE, or other applicable standards
- ISO 9001:2008 certified. The ISO standard is a quality management system which helps ensure consistent products of superior quality.

Reliability
- 25 years and growing strong in Sparta, TN
- Mastercraft 2015 Supplier of the Year
- Outstanding customer service

Durability
- Rotationally molded, cross-linked polyethylene
- Production of up to 175,000 fuel tanks annually
- EPA compliant: permeation, evaporative emission, anti-spitback

Permanent Tank Specifications:
- Machined aluminum 3/8 in. withdraw fitting features 360° swivel poplock for hook-up convenience.
- Ethanol and biodiesel-corrosion and pit-resistant. Each tank is complete with molded fill neck and withdrawal/vent fittings molded directly into the shell.
- Fittings meet ABYC requirements and enable seamless connections with rigid low-perm hoses. UV rating of 8. Temp rating of -40ºF to 176ºF.
- Suitable for either gasoline and diesel use (**With Diesel Return Kit/ ORDER NO. 615-35724-10**)
- Hold-down grooves molded directly into tank shells for secure attachment with Moeller's Permanent Fuel Tank Hold Down Kit ***#615-35710***.
- Suitable as replacement tanks for boats built before 2011. If you own a later-model boat, contact Moeller or your manufacturer for direction.

72L/19 Gal.
ORDER NO. 615-32519
Mfr. No. 032519
26"L X 16"W X 14.5"H

95L/25 Gal.
ORDER NO. 615-32525
Mfr. No. 032525
47"L X 18.03"W X 10.25"H

110 L/29 Gal.
ORDER NO. 615-32529
Mfr. No. 032529
43"L X 25.75"W X 12.92"H

132 L/35 Gal.
ORDER NO. 615-32535
Mfr. No. 032535
69.50"L X 16"W X 10.50"H

189 L/50 Gal.
ORDER NO. 615-32550
Mfr. No. 032550
45"L X 12.5"W X 24.75"H

CANADA'S MARINE SPARK-IGNITION ENGINE, VESSEL AND OFF-ROAD RECREATIONAL VEHICLE EMISSION REGULATIONS (MERV)

All "new build" boats must meet new emission & permeation requirements set out in the regulations for fuel tanks and fuel systems. Repairs to boats built after 2011 but prior to 2015 which are equipped with systems that meet the emission and permeation regulations of the United States EPA must not have these systems compromised through the use of non-emission certified components, while boats built prior to 2015 which do not have emission & permeation systems can be retrofitted with traditional fuel tank and fuel venting systems which have become the standard in Canada for many years. This would include non-barrier, below-deck permanently installed, fuel tanks & fuel handling lines. Standards are not applicable to portable fuel tanks & their associated fuel line.

INSTALLATION / REPLACEMENT PARTS

615-35710

Permanent Fuel Tank Hold Down Kit - Four Brackets Per Kit

ORDER NO. 615-35710 Mfr. No.035710

ORDER NO.	Mfr. No.	Capacity	Dimensions	Diesel	No. Fuel Return	Sender Pickups	Belly Tank	Bracket Tie Down
615-32512	032512	12 Gal.	24.50"L x 18.50"W x 9.75"H	No	1	Swing Arm	No	615-35710 or 801-300110
615-32612	032612	12 Gal.	20.00"L x 14.00"W x 14.25"H	No	1	Swing Arm	No	615-35710 or 801-300110
615-32518	032518	17 Gal.	36.50"L x 18.25"W x 10.00"H	No	1	Swing Arm	No	615-35710 or 801-300110
615-32519	032519	19 Gal.	26.00"L x 16.00"W x 14.50"H	No	1	Swing Arm	No	615-35710 or 801-300110
615-32525	032525	25 Gal.	47.00"L x 18.03"W x 10.25"H	No	1	Swing Arm	No	615-35710
615-32527	032527	27 Gal.	36.50"L x 16.00"W x 11.75"H	Yes	1	Swing Arm	No	615-35710
615-32529	032529	29 Gal.	43.00"L x 25.75"W x 12.92"H	No	1	Swing Arm	Yes	Mfr. # 000210-4
615-32535	032535	35 Gal.	69.50"L x 16.00"W x 10.50"H	No	1	Swing Arm	No	615-35710
615-32550	032550	50 Gal.	45.00"L x 12.50"W x 24.75"H	No	1	Swing Arm	No	615-35710

SPECIAL ORDER ITEM

For more information see: www moellermarine.com

NEPTUNE FUEL TANKS

- Non-corrosive "Neptune" tanks are tough and lightweight with baffled, manually vented closure caps and a universal 1/4 NPT fuel pick-up adapter.
- ISO and CSA certified.

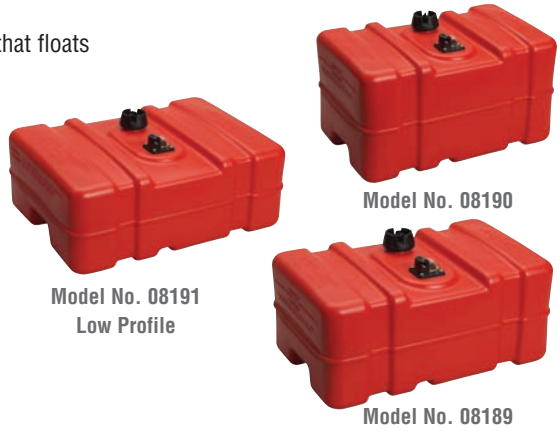
ORDER NO.	Mfr. No.	Capacity	Dimensions
080-03333	04158	3 Gal 11.4 Litre	16.75"L x 10.75"W x 8"H 431mmL x 266mmW x 203mmH
080-06666	04921	6 Gal. 22.7 Litre	20.50"L x 12.75"W x 10.5"H 520mmL x 330mmW x 254mmH

FUEL TANKS

Looks and performs better than any other fuel tanks available

- Mechanically vented fuel cap ensures easy gripping with exclusive ribbed design that floats
- Features 90˚, 1/4 NPT fuel withdrawal elbow
- Includes mechanical direct-sight gauge with easy-to-read indicator
- Manufactured from high-density polyethylene with UV-stabilized resin
- Specifically designed for use in Boston Whalers®, Carolina Skiff® and Key West® bench style, center console, pontoon, deck and jon boat designs
- Tested to CSA standards

ORDER NO.	Mfr. No.	Capacity	Dimensions
080-08189	08189	9 Gal. 34 Litre	23"L x 14.25"W x 11.75"H 582mmL x 364mmW x 299mmH
080-08190	08190	12 Gal. 45 Litre	23"L x 14.25"W x 13.60"H 582mmL x 364mmW x 346mmH
080-08191	08191	12 Gal. 45 Litre	24.25"L x 18"W x 10.75"H 617mmL x 460mmW x 273mmH



OEM'S CHOICE TANKS

- The OEM's choice in lightweight, non-corroding portable fuel tanks.
- Includes a universal 1/4 NPT fuel pick-up adapter.
- Fulfills all your large or small outboard engine needs.
- ISO and CSA certified

ORDER NO.	Mfr. No.	Capacity	Dimensions
080-12000	03780	3.2 Gal. 12 Litre	14.25"L x 10.25"W x 9"H 362mmL x 260mmW x 228mmH
080-25000	03781	6.6 Gal 25 Litre	21.25"L x 14"W x 9.75"H 546mmL x 355mmW x 225mmH

LOW PROFILE
PORTABLE MARINE FUEL TANKS W/ GAUGE

Convenient Combination Fuel Pick-up w/ Sight Gauge

- Rugged one-piece compact design, tank shell construction designed to reduce fuel evaporation and retain octane value for longer periods
- Molded feet provide increased ventilation and stability
- Easily carry under seat portable fuel tank from your boat to the dock with integrated top handle
- Convenient combination fuel pick-up/sight gauge accepts standard 1/4 NPT marine tank fittings
- Low profile design comfortably fits under seats
- Molded from UV stabilized, high density polyethylene for long life
- Ideal for storage in transom well or in other small areas
- Meets CSA B376 and AS/ASNZ 2906 standards

NEW!

ORDER NO.	Mfr. No.	Capacity	Dimensions
080-10504	10504	3 Gal / 11.4 L	19.3"L x 12.2"W x 6.8"H
080-10509	10509	6 Gal./ 22.7 L	19.3"L x 12.2"W x 10.2"H

SCEPTER™

For more information see:
www.sceptermarine.com

ULTRA PORTABLE FUEL TANKS

Portable tanks are used to convey fuel directly to the engine. Portable tanks are not intended for permanent installation. They feature the same attention to detailed engineering and robust construction which set Moeller fuel tanks apart. They prevent the escape of hydrocarbons at the molecular level which makes them compliant with EPA emissions and permeation requirements. Constructed from seamless, thick-walled plastic, they are up to 30% tougher than other brands.

- ABYC/NMMA/EPA,CARB Compliant
- Rotating fuel withdrawal
- Fuel reserve
- Sight gauge
- Cap tether
- Audible click on closure of cap
- EPA-compliant
- Two-year warranty

3 Gallon

6 Gallon

ORDER NO.	Mfr. No.	Description	Dimensions
801-620003	620003	3 Gallon, CSA Certified	16.60"L x 8.50"W x 9.18"H
801-620049	620049	6 Gallon, CSA Certified	21.50"L x 13.18"W x 9.68"H

MARINE ABOVE DECK ALL-IN-ONE FUEL TANK COMBO PACKAGE

Applications with 2 prong barb engines fitting.

- 1998 & newer Mercury outboards
- Most Evinrude/Johnson, most Yamaha outboards

Combo Includes:

- 1 6.5 gallon fuel tank (CSA & ISO13591 certified)
- Large carry handle
- 360˚ Withdrawal swivel low profile
- Direct sight gauge with glass lens
- 1 Universal fuel line
- 1 Quick disconnect to tank connector
- 3 Fuel line connectors (Evinrude/Johnson, Mercury, Yamaha)
- 1 Tank connector with sealant
- 1 Hose clamp

ORDER NO. 801-053701-10C
Mfr. No. 053701-10C

NEW!

GAS WALKER 14 US GALLON (53 LITRE)

Quick-Fill Fuel Station

- Dimensions: 16.3" (41.5 cm)L x 11.1" (28.3 cm)W x 33.2" (84.4 cm)H
- Weight: 17.6 lbs. (8.0 kg)
- Large 2" filler neck
- 6" Heavy-duty tires
- 10' corded reinforced hose
- Stainless steel clamps
- Made from high density polyethylene (HDPE)
- Thick walled to control expansion & wheel rubbing
- Designed to fill & transport in horizontal position
- Dual mechanical shut-off valves at tank & hose
- Gravity flow design
- Average flow rate of 2 gallons per minute
- Robust molded-in handle
- Brass vented fill cap
- Spring-loaded nozzle for easy dispensing
- Packaged in a Hi-Visibility POP box
- Fuel Tank EPA & Carb approved for SORE

NEW!

ORDER NO. 801-520098
Mfr. No. 520098

For more information see:
www.moellermarine.com

DuraMAX

14 GALLON (53 LITRE) WHEELED FUEL TRANSPORT

- **Flo n' Go LE (06799) Hand Pump is Included!!**
- Whether your fueling needs include water craft, hunting, camping, generator, backyard power equipment, etc., the wheeled fuel transport makes refueling a snap!
- Dual shut-off valves
- Use with gasoline, diesel or kerosene
- Quickly refuels
- UL approved, mechanically vented fill cap.
- Allows fuel to be pumped in any direction - even upward!
- Ergonomically designed, heavy-duty top handle with extra deep base unit handholds for transport.
- Meets D.O.T. & UN transportation requirements.
- Sturdy 6" (152mm) wheels eases maneuvering over uneven terrain

ORDER NO. 080-67920
Mfr. No. 06792

For more information see: www.sceptermarine.com

TERA PUMP NEW!

TREDRUM ELECTRIC DRUM PUMP
(Plug-in) - Adjustable Telescopic

Applicable on 55 gallon drum & IBC totes.

- Delivery Volume: 7 GPM (27 LPM)
- Total Length: 43.7" (1110mm)
- Suction Tube: 33.5" (850mm) to 49" (1245mm)
- Discharge Hose: 78.7" (2 meters)
- Suction End OD: 2" (55mm)
- Power Source: DC 20V – **Includes AC 100 240V adapter**
- Weight: 2.45 lbs. (1.1kg)
- **Compatible Liquids:**
  Engine oil, hydraulic fluid, diesel, DEF, agricultural chemicals, water, kerosene, antifreeze, windshield washer fluid, mild detergents, light oils (max: 100cst) & many more
- **NON Compatible Liquids:**
  Gasoline, flammable liquids, Concentrated acids, drinking water, etc

ORDER NO. 714-20090
Mfr. No. 20090 *(Replaces 714-20089)*

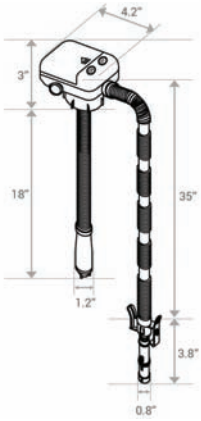
TERA PUMP

FUEL TRANSFER PUMP
Battery Powered Fuel Transfer Pump
3 GPM

Eliminates the lifting of large heavy gas cans, spilling, & wasted fuel. Tera Pump's exclusive design makes transferring fuel to boats, cars, trucks, off road vehicles, mowers, generators, & more, painless & hassle free. The built-in advanced auto-stop feature automatically stops when the transfer process is complete so you just sit back & watch it work. 3 included adapters allow the pump to fit 98% of fuel cans. The intake hose provides flexiblity to help grab the very last drop of fuel. This effectively reduces wasted fuel & allows for a more pleasant transfer process.
Pumps up to 3 GPM for a quick and easy transfer.

Features:

- Auto-stop
- Overflow protection
- Compatible Liquids: Gasoline, diesel, kerosene, & light oils
- Complete with 3 ft. flexible intake hose, 3 different sized adapters (2", 2.1", 2.75") to fit most gas cans
- Simple power buttons
- Suction hose with impeller
- 4 AA Batteries (Not included)



Gas Can Not Included

ORDER NO. 714-20042 Mfr. No. 20042

For more information see: ww.terapump.net

ELECTRIC FUEL SENDING UNIT - SWINGARM

615-35722-10

- Connects to a dash mounted gauge without a conversion capsule.
- Consumer can measure their tank depth and make the swingarm the correct length
- Internal measurement components will not rust or corrode!
- Calibrated to 33-240 Ohms - *An industry standard*
- 100% inspected during manufacturing to ensure the highest quality
- Swingarm float rotates easily in 90º increments for tank wall or baffle clearance
- Complete with 5 hole gasket and mounting screws

615-35727-10-1

ORDER NO.	Mfr. No.	Description
615-35722-10	035722-10	Electric Sending Unit for Tanks with a depth of 6" to 12"
801-35725-10	035725-10	Universal Electric Sending Unit 4" to 28" Kit 33 to 240 Ohms
615-35727-10	035727-10-1	Dash Mounted Electric Fuel Gauge 33 to 240 Ohms

MECHANICAL SENDING UNIT

615-35750-10

- All mechanical senders are calibrated to 33 to 240 Ohms - an industry standard. Compatible with competitive units
- Mechanical direct sight gauge comes complete on unit
- Gasket and screws(5) are included
- An optional conversion capsule (615-35760-10) is available for electrical dash-mounted gauge readouts. Conversion is simple by removal of two screws and replacement of capsule

ORDER NO.	Mfr. No.	Description
615-35750-10	035750-10	Mechanical Sender Fits 7-1/2" Deep Tank
615-35753-10	035753-10	Mechanical Sender Fits 11-3/4" Deep Tank

REED ARRAY SENDING UNIT

- Available with or without dash-mounted gauge - designed for top-mount in aluminum, plastic or stainless steel fuel tanks
- Limited lifetime warranty
- Material provides superior corrosion protection, both inside and outside the tank. Black wire is ground.
- For tank depths 6" to 24"
- Pre-bent 90˚ float arm

ORDER NO.	Mfr. No.	Description
801-35791-10	035791-10	Reed Array

REED SWITCH

Dramatically reduce "slosh fluctuations" which are inherent with swingarm units. Designed for all types of marine vessels. Sender top-mounts in aluminum, plastic or stainless steel fuel tanks. Reed Switch Materials: Stainless Steel with nitrile rubber float, provide superior corrosion protection, both inside and outside the tank. Black wire is ground.

801-35769-10

- Suitable for gasoline, ethanol, diesel, bio-diesel and non-potable water
- Fits tanks with depth ranging from 6" to 60"

Note: When purchasing sender length is 1" shorter than tank depth.

ORDER NO.	Mfr. No.	Tank Depth	
801-35773-10	035773-10	6"	(142 mm)
801-35774-10	035774-10	7"	(191 mm)
801-35769-10	035769-10	8"	(203 mm)
801-35761-10	035761-10	9"	(229 mm)
801-35762-10	035762-10	11"	(254 mm)
801-35764-10	035764-10	13"	(305 mm)
801-35765-10	035765-10	15"	(356 mm)
801-35767-10	035767-10	18-1/2"	(445 mm)
801-35768-10	035768-10	21"	(553 mm)
801-35770-10	035770-10	23"	(584 mm)

MOELLER marine products

UNIVERSAL SWINGARM ELECTRIC SENDING UNIT W/ DIESEL RETURN

Moeller's patent-pending design enable integration of the return line found on diesel (and some fuel injection) engines. The sender gathers fuel level information from a float which is read on a dash-mounted gauge. Float rotates easily in 90 degree incremements for tank wall and baffle clearance. Internal components will not rust or corrode.

NOTE: Can ONLY be used for tanks with 1-1/2" cutouts.

ORDER NO.	Mfr. No.	Description
615-35724-10	035724-10	Tank Depth - 12" - 24"

ELECTRIC SENDING UNIT FOR 12"- 24" TANK DEPTH

A true DIY product, letting the consumer measure their tank depth and make the swingarm float the exact length for accurate fuel level. Calibrated to the Industry Standard of 33-240 Ohms. Requires connection to a dash mounted gauge. Internal components will not rust or corrode. Complete with 5 hole gasket and screws. To meet the needs of a return line found on diesel and some fuel injection engines.

NOTE: Can ONLY be used for tanks with 1-1/2" cutouts.

NEW!

ORDER NO.	Mfr. No.	Description
801-35729-10	035729-10	Tank Depth - 12" - 24"

UNIVERSAL FUEL LEVEL SENDER – ADJUSTABLE FOR 6" - 24″ W/ DIESEL RETURN

A true DIY product, letting the consumer measure their tank depth and make the swingarm float the exact length for accurate fuel level. Calibrated to the Industry Standard of 33-240 Ohms. Requires connection to a dash mounted gauge. Internal components will not rust or corrode. Complete with 5 hole gasket and screws Tank Depth: 6-24″ or 152-610mm. To meet the needs of a return line found on diesel and some fuel injection engines.

NOTE: Can be used for both 1-3/8" & 1-1/2" cutouts.

NEW!

ORDER NO.	Mfr. No.	Description
801-35789-10	035789-10	Tank Depth - 6" - 24"

CONVERSION CAPSULES

615-35759-10

615-35760-10

- An optional conversion capsule (615-35760-10) is available for electrical dash-mounted gauge readouts. Conversion is simple by removal of two screws and replacement of capsule

ORDER NO.	Mfr. No.	Description
615-35759-10	035759-10	Direct Sight Mechanical Read Capsule
615-35760-10	035760-10	Conversion Capsule from Mechanical to Electrical Dash Mounted Gauge 33 to 240 Ohms

UNIVERSAL 5-HOLE GASKET

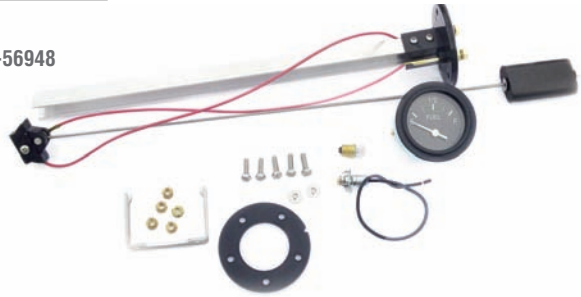
801-35728-10

- Complete with 10/24 and 10/32 replacement screws and assorted washers.

ORDER NO.	Mfr. No.
801-35728-10	035728-10

For more information see: www.moellermarine.com

Sierra Marine Engine and Drive Parts



105-56948

UNIVERSAL FUEL SENDER

- Adjustable for tank depths from 4" to 24"
- Left or right arm adjustable in 90° increments
- Standard SAE 5-hole pattern, rust proof Delrin® flange with rigid aluminium insert
- 10-24 stud connections for maximum integrity
- Stainless steel, aluminium and brass construction
- For isolated or conventional ground systems
- 240 (empty) to 33 (full) ohm resistance range
- Triple-patented, Made in the USA
- Includes gasket, screws and instructions

For more information see: www catalog.sierraparts.com

ORDER NO.	Mfr. No.	Description
109-90424	90424P	Universal Fuel Sender Kit
105-56948	56948P	Universal Fuel Sender Kit & Gauge Kit (Includes universal fuel gauge with black bezel)
105-56822	64082	Replacement Gasket for Fuel Sender
042-18278	1827871P	Replacement Light Kit for Gauge

VENTED DECK FILLS & ACCESSORIES

NON-EPA VENTED DECK FILLS FOR 1-1/2" HOSE

With Colour Coded Resin Inserts for Gas, Diesel & Water

- Material: Scalloped stainless steel cap, resin body, polymer body
- Finish: Vented polished cap with black body & tether
- Deck plate key included
- Fill hose size: 1-1/2"
- Vent hose size: 5/8"
- Ground Wire: Not required
- Mounting Hole Dia: 2-1/8"
- O.D. Flange: 3-3/8"
- Screw Size: #8 - Neck Length: 2-7/16"
- Neck Length: 2-7/16"
- CE Certification

Features:

- Integral tank vent with anti surge valve
- Flame arrestor (on gas & diesel only)
- Deck plate key not required
- Colour coded resin inserts for gas, diesel & water

ORDER NO.	Mfr. No.	Cap Material	(Neck)
621-05820	0582DP0CHR	Chrome	Angled
621-05820-1	0582DP0STS	Stainless Steel	Angled
621-05830	0583DP0CHR	Chrome	Straight
621-05830-1	0583DP0STS	Stainless Steel	Straight

Note: Use Gas insert on fill only with Non-EPA Compliant fuel systems.

DECK FILLS FOR 1-1/2" HOSE

With Colour Coded Resin Inserts for Gas, Diesel, Water & Waste

- Chrome plated bronze scalloped cap with 4 colour coded resin inserts 1 each Gas, Diesel, Water & Waste
- Black polymer body - Straight neck
- Deck plate key included
- For hose size: 1-1/2"
- Length of neck: 3-1/8"
- Mounting Hole Diameter: 2-1/8" - Screw Size: #8
- CE Certification

ORDER NUMBER 621-05520 Mfr. No. 0552DP0CHR

REPLACEMENT VENTED FLIP TOP CAP

For Fills with 1-1/2" Hose - Gas, Diesel, or Water Fills

- Black or white polymer
- Easily mounts directly on gunnel with removing fill body
- Includes metallic inserts for gas, diesel, or water fills
- Integral tank vent with flame arrestor
- No deck plate key or ground wire required
- Flip top cap
- Requires 5-1/4" Diameter hole
- Mounting surface screw size: #8

ORDER NO.	Mfr. No.	Colour
621-07950	0795DP0BLK	Black
621-07951	0795DP0WHT	White

COMBINATION GAS FILL & TANK VENT

Chrome plated bronze cap with black polymer body.
For 1-1/2" fuel hose. For 5/8" vent hose. Integral tank vent with flame arrestor and anti-surge valve. Stainless steel bead chain. Deck plate key included.

ORDER NO.	Mfr. No.	Marked Type	Cap Fuel Hose	For Vent Hose	For Length	Neck Size	Screw	(Neck)
621-05410	0541DPGCHR	Gas	Chrome	1-1/2"	5/8"	2-7/16"	8	Straight
621-05400	0540DPG CHR	Gas	Chrome	1-1/2"	5/8"	2-7/16"	8	Angled

ORDER NO. 621-12470 Spare Deck Plate Key
ORDER NO. 621-05401 Spare Cap with Chain

For more information see: www.perko.com

DECK PLATES - FOR HOSE

Chrome Plated Zinc Alloy with Black Polymer Cap. Complete with Key, O-Ring and Integral Retainer on Cap. Caps Have A Slot Between the Holes. Ground wire required.
Hose Size: 1-1/2" / O.D. Flange: 3-1/2"

621-12701

ORDER NO. 621-12701 - Gas Deck Plate
ORDER NO. 621-12487 - Spare Key
ORDER NO. 621-51308 - Spare O-Rings Only (2/bag)
ORDER NO. 621-12709 - Spare Gas Cap w/ O-Ring & Retainer

Chrome Plated Zinc Alloy with Black Polymer Flange & Cap with Strap. Complete with Grounding Screw, Cap Retainer & Gasket. Locking Cap Has a Cover for the Key Hole.

ORDER NO. 621-13990 - Gas Deck Plate w/Lock
ORDER NO. 621-01261 - Spare Non-Locking Cap
ORDER NO. 621-13241 - Spare Locking Cap

GAS CAPS

Black Plastic Complete with Gasket.
Caps Will Fit all PERKO CHROMALEX Fills.

621-01261

621-13990

FUEL SYSTEM LOCKING INSERT FOR 1-1/2" VENTED FILLS

- Black polymer with zinc alloy lock cylinder
- Dual Purpose Key opens fill cap & locking insert
- Fits most Perko® vented fills
- Available as 1/package or 12 piece countertop display

ORDER NO. 621-05250 / ea.
Mfr. No. 0525DP0BLK

GAS TANK VENT

Chrome plated zinc with black polymer splash guard and removable 30 mesh, stainless steel wire screen flame arrester.
Max. hull thickness: 3/4"
Hose Size: 5/8"

ORDER NO. 621-05064
Mfr. No.0506DP4CHR

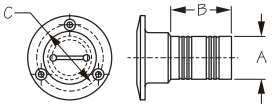
For more information see: www.perko.com

SEA-DOG® LINE
QUALITY MARINE GEAR

HOSE DECK FILL - Investment Cast 316 Stainless

ORDER NO.	Mfr. No.	Body Marking	A	B	C	FASTENER
423-51300	351300-1	Body Only	1-1/2" Hose	2-3/16"	2-3/8"	#10FH
423-51320	351320-1	Gas	1-1/2" Hose	2-3/16"	2-3/8"	#10FH
423-51321	351321-1	Diesel	1-1/2" Hose	2-3/16"	2-3/8"	#10FH
423-51390	351390-1	Replacement Cap Only				
423-57399	357399-1	Nylon Deck Fill Key				

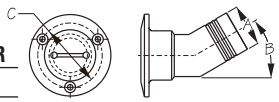
Note: The cap threads are 1-1/4" - 11-1/2 NPSM - Straight. Caps include attachment chains.



ANGLED HOSE DECK FILL - Investment Cast 316 Stainless

ORDER NO.	Mfr. No.	Cap Marking	A	B	C	FASTENER
423-51520	351520	Gas	1-1/2" Hose	30°	2-3/8"	#10 FH

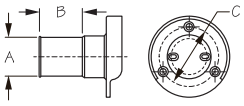
Note: The cap threads are 1-1/4" - 11/12 NPSM - Straight. Caps include attachment chains.



HOSE DECK FILL WITH SPLASH GUARD - Die Cast Zinc Chrome Plated

ORDER NO.	Mfr. No.	Cap Marking	A	B	C	FASTENER
423-51750	351750-1	Gas	1-1/2" Hose	1-5/8"	2-3/8"	#10FH
423-51755	351755-1	Replacement Cap Only				

Cap includes attachment chain.



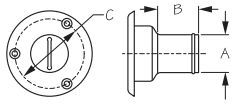
For more information see: www.sea-dog.com

SEA-DOG LINE QUALITY MARINE GEAR

DECK FILL WITH SLOTTED CAP - Investment Molded Fibreglass Nylon-Black

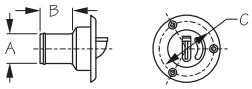
ORDER NO.	Mfr. No	Cap Marking	Cap Colour	A	B	C	FASTENER
423-57010	357010-1	Gas	Red	1-1/2" Hose	1-9/16"	2-3/4"	#10FH
423-57015	357015-1	Gas	Red	Replacement Cap Only			
423-57000/ ea.	357000-1	None:Body Only		1-1/2" Hose	1-9/16"	2-3/4"	#10 FH
423-57016/ ea.	357016-1	Diesel	Green	Replacement Cap Only			
423-57017/ ea.	357017-1	Water	Blue	Replacement Cap Only			
423-57018/ ea.	357018-1	Waste	Black	Replacement Cap Only			

All caps include attachment chains.



DECK FILL WITH KEYLESS CAP - Injection Molded Fibreglass Nylon

The Sea-Dog Keyless Fills are entirely molded from fibreglass filled nylon and do not require grounding to the boat electrical system as required on all deck fills using metal components. Each deck fill has a special cap with a built-in key for easy cap removal. The hinged key can be locked in the upright position to open or close the fill and then recessed into the cap for a flush surface. In addition the caps are molded in special colours to help prevent the dangerous and costly problems caused by placing fuel in water or waste tanks or vice-versa.



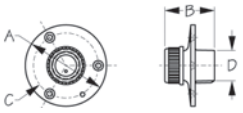
ORDER NO.	Mfr. No.	Body Colour	Cap Marking	Cap Colour	A	B	C	FASTENER
423-57000/ ea.	357000-1	Black	None:Body Only		1-1/2" Hose	1-9/16"	2-3/4"	#10 FH
423-57090/ ea.	357090-1		Gas	Red	Replacement Cap Only			
423-57091/ ea.	357091-1		Diesel	Green	Replacement Cap Only			
423-57092/ ea.	357092-1		Oil	Black	Replacement Cap Only			
423-57093/ ea.	357093-1		Water	Blue	Replacement Cap Only			
423-57094/ ea.	357094-1		Waste	Black	Replacement Cap Only			

The cap threads are 1-1/4" - 11/1/2 NPSM - Straight. Gas, diesel and water caps include attachment chains.
NOTE: Will not work with pressurized oil injection systems. Connect deck fill to reservoir via hose (Not included).

WASHDOWN WATER OUTLET - Cast 316 Stainless

ORDER NO.	Mfr. No.	A	B	C	D	FASTENER
425-13120/ ea.	513120-1	2-3/4"	1-11/16"	2-3/16"	1"	#8 FH
425-12129/ ea.	512129-1	Replacement Cap				

Allows for garden hose hookup to onboard water system for use as washdown system. Standard male hose connector. Requires separate ball or gate valve to regulate water flow. 1/2" FIPT x 3/4" MGHT



REPLACEMENT CAPS - Investment Cast 316 Stainless

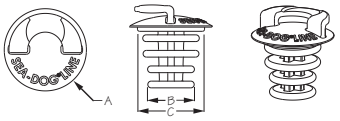
ORDER NO.	Mfr. No.	Description
423-51391/ ea.	351391-1	Replacement Cap w/ Chain for 351350 - 351353
423-51393/ ea.	351393-1	Replacement Cap for 351340

EMERGENCY DECK FILL PLUG - Nitrile-Buna Rubber

NEW!

ORDER NO.	Mfr. No.	A	B	C
423-57390	357390-1	2-3/8"	1-5/16"	1-7/8"
423-57390-5	357390-5	Display POP-Emergency Deck Fill Plug - 10 Pcs.		

Fits most 1-1/2" hose deck fills in the event you lose your cap. For temporary use only until you can replace your OEM cap.



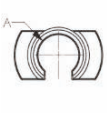
HOSE KLIP™ - WATER HOSE LOCK FOR DECK FILLS

Injection Molded Nylon

ORDER NO.	Mfr. No.	A	B	C	D
423-57393	357393-1	1"	1-3/4"	1-5/16"	1-9/16"
423-57393-5	357393-5	Display POP- 10 Pcs.			

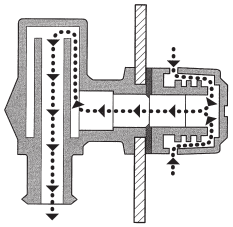
Winner of the 2020 IBEX INNOVATION AWARD!
Stops your hose from coming out of the deck fill during filling.
Compression fitting locks into place for hands free operation.

NEW!



90° P-TRAP FUEL TANK VENT

This vent helps prevent water from entering the fuel tank, yet allows air to vent freely, during normal sea conditions and washdowns. This eliminates the need for an anti-siphon loop in the vent hose. For 5/8" ID hose. Meets ABYC Standard. The arrows in this cross-section show the baffled route that the water would have to travel in order to reach the fuel vent hose. Compatible with Ethanol blended fuels.



ORDER NO.	Mfr. No.	Max. Hull Thickness	Installation Hole Size	Style
101-16700	1670-3	9/16"	3/4"	Black w/ Black Vent Head
106-66419-3	66419-3	9/16"	3/4"	Black w/ Stainless Steel Trim Cover
109-11526	911526-1	NEW!		Replacement Cover for Standard Mount #1670, Black

106-66419-3

101-16700

FUEL VENT - FLUSH MOUNT 90° - *Enhanced 316 Stainless Steel Vent*

On the exterior, they have a smooth edge over the competition. Unlike some others, there is no protruding cap to cause damage — or be damaged by — hull bumps and scrapes. Cap unscrews with hex head wrench for easy cleaning of filter and pressure testing of entire fuel system. These vents now include two silicone gaskets.

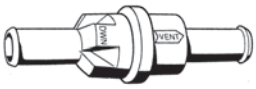
ORDER NO.	Mfr. No.	Hose Size I.D.	Max. Hull Thickness	Installation Hole Size
106-66032-3	66032-3	5/8"	7/8"	1-3/8"

FUEL VENT LINE SURGE PROTECTOR

Avoid Fuel Spills and Fines!

- Helps prevent vent line spills due to tank sloshing and refueling.
- Installs easily into existing built-in 5/8" vent lines.
- Avoid environmental damage and federal fines for fuel spills!

Mfr. No. 1675-6 **ORDER NO. 101-16750**

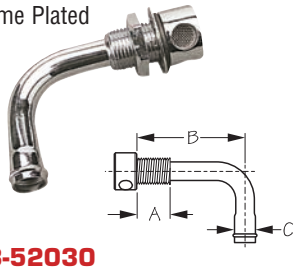


For more information see: www.attwoodmarine.com

SEA-DOG LINE QUALITY MARINE GEAR

GAS TANK VENT 90°

Machined Brass Chrome Plated

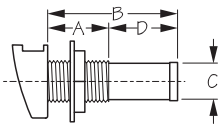


A = 7/8"
B = 2-3/8"
C = 5/8" Hose
Mfr. No. 352030-1

ORDER NO. 423-52030

GAS TANK VENT

Die Cast Zinc Chrome Plated

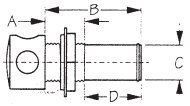


A = 1"
B = 2-1/8"
C = 5/8" Hose
D = 1-1/8"
Mfr. No. 352100-1

ORDER NO. 423-52100

GAS TANK VENT

Die Cast Zinc Chrome Plated



A = 3/4"
B = 1-3/4"
C = 5/8" Hose
D = 1"
Mfr. No. 352110-1

ORDER NO. 423-52110

For more information see: www.sea-dog.com

TOPSIDE TANK HOLD DOWN KIT

Kit includes two (2) flexible 183cm straps, two (2) mounting blocks, two (2) eye hooks and four (4) stainless steel screws.

Mfr. No. 035711-10-1
ORDER NO. 615-35711-10-1

NEW!

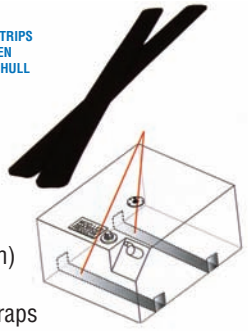
CRADLE TANK HOLD DOWN KIT

Plastic coated straps resist corrosion, while insuring a secure installation of tank.
(8 each) 22"L Tank Cradle Metal Straps
(2 each) 1/4" - 20 x 3" Fully Threaded Hex Head Bolt
(8 each) 1/4" - 20 x 1/2" Phillips Head Cap Screw
(10 each) 1/4" - 20 Nylock Nut
(4 each) #1/4" - 1-1/4" Phillips Button Head Screw

ORDER NO. 801-300110 Mfr. No. 300110

TANK MOUNTING STRIPS

Black self-adhesive mounting strips cushion between the tank and the hull and provide room for circulation. May be used for topside tanks.
- 2"W (50.8mm) x 30"L (762mm) x 1/4"H (6.35mm)
- Closed cell poly foam construction
- May also be used for padding with hold down straps



ORDER NO. 801-35731-10 Mfr. No. 035731-10
Sold in pairs

MANUAL VENT GAS CAP

- For use internationally & in boats built before 2011.

ORDER NO. 801-621501-10
Mfr. No. 621501-10

GAUGE ASSEMBLEY

- For Ultra 3 Gallon Tank #620003 *(Order No. 801-620003)* & Ultra 6 Gallon Tank #620049. *(Order No. 801-620049)*

ORDER NO. 801-621001-10
Mfr. No. 621001-10

PICKUP ASSEMBLEY

- For Ultra 3 Gallon Tank #620003 *(Order No. 801-620003)* & Ultra 6 Gallon Tank #620049. *(Order No. 801-620049)*

ORDER NO. 801-621002-10
Mfr. No. 621002-10

For more information see: www moellermarine.com

SCEPTER™

TOPSIDE TANK REPLACEMENT PARTS

ORDER NO.	Mfr. No.	Description
080-08935	08935	Manually Vented Fuel Cap (use with CSA / UL Products) - for use with 04158, 04921, 03780, 03781

For more information see: sceptermarine.com

PRE-FILTRATION FUEL FILTER FUNNELS

The **Racor Fuel Filter Funnel** (RFF) family is a heavy-duty, fast-flow, filter-in-a-funnel that separates damaging free water and contaminants from gasoline, diesel, heating oil, and kerosene.The RFF family of products is capable of removing free water and solids down to .0005 inches and allows you to visually inspect the integrity of your fuel supply as you refuel. The RFF family is manufactured using industrial-grade black electro-conductive polypropylene. Carbon powder is injected into the plastic so that the RFF will conduct static electricity. The grounding capability of the RFF is an important safety feature. Always use proper fuel handling procedures and follow local, state and federal regulations.

ORDER NO.	Mfr. No.	Flow Rate	Micron Rating
209-99901	RFF1C	2.5 GPM	50
209-99903	RFF3C	3.5 GPM	50
209-99908	RFF8C	5.0 GPM	50
209-99915	RFF15C	12.0 GPM	50

For more information see: www racornews.com

SCEPTER™ PORTABLE FUEL - JERRY CANS

Scepter Continues to Set the Standard for the Way You Flo n' Go

Always the leader in portable fuel can technology, Scepter developed the original plastic Jerry Can and changed the industry forever. For almost half a century Scepter has continued to set the standard with evolving product features that are breaking new ground in away-from-the-pump fuel transport and transfer like our new Child Resistant Closures (CRC's) available on our full line.

- Scepter Jerry Cans are virtually indestructible, manufacturerd from high-density, unbreakable polyethylene that is rustproof, crush-resistant and non-corroding.
- Self-Venting Jerry Cans feature a reversible self-venting spout – no need to worry about separate vent closures
- All sizes easily attach to the patented Flo n' Go™ hand pump.
- Extra Large, durable, molded-in handle provides superior comfort, pouring and carrying ability.

MILITARY STYLE DIESEL CAN

- UN approved
- Used by most NATO countries
- Flouro-elastomer gasket doesn't swell
- Used by most NATO countries
- Fits standard military bracket
- Can be used with blended fuels

ORDER NO.	Mfr. No.	Capacity	Description
080-07081	07081	5 Litre	Self Venting Jerry Can w/ CRC1.25 Gal.
080-07079	07079	10 Litre	Self Venting Jerry Can w/ CRC 2.5 Gal.
080-07539	07539	25 Litre	Self Venting Jerry Can w/ CRC 6.6 Gal.
080-07622	07622	20 Litre	Self Venting Jerry Can w/ CRC 5.3 Gal.
080-04933	04933	20 Litre	Manual Venting Water Jerry Can (Light Blue) 5.3 Gal
080-03711	03711	20 Litre	Manual Venting Military Style Diesel Can, (Yellow) 5.3 Gal

Child Resistant Closure

REPLACEMENT PARTS

ORDER NO.	Mfr. No.	Description
080-03583	03583	3 Part Gas Can Accessory Parts kit. Includes the Gas Can Cap, Stopper & Vent Cap
080-03629	03629	Replacement Self-Venting Spout
080-03647	03647	Parts Kit (Contains: Black Screw Cap, Yellow Vent Cap/Stopper, & Flexible Spout) NEW!

All parts are made from high-density polyethylene

080-03583

080-03647

080-03629

For more information see: www.catalog.sierraparts.com

FUEL LINE ASSEMBLIES

SCEPTER

FUEL LINE ASSEMBLIES Top of the Line Innovation from Scepter

- Assemblies use a compounded, tough & pliable UV-resistant hose, that promote maximum fuel flow.
- Includes fittings built to strict OEM specifications for replacement parts
- Uses O-ring construction on all fittings for tight, leak-free connections
- Clamshell packaging is consumer accepted with self-selling graphics!

COMPONENTS

FUEL LINE ASSEMBLIES

Mercury

On Tank (Not included) — Includes: — Includes: — On Engine

080-05837 — 080-05793 Tank Connector — 080-05791 Engine Connector

ORDER NO.	Mfr. No.	Description
080-05837	05837	Male Tank Connector
080-05793	05793	Female Tank Connector
080-05791	05791	Female Engine Connector

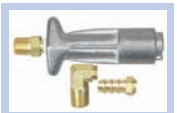
3/8" I.D. Hose
Clip Style Fuel Line Assembly;
1998 & newer Engines
Replaces OEM No. 32-827927A

ORDER NO.	Mfr. No.
080-07482	07482

Mercury

080-94760 — 080-07497 Tank Connector — 080-94760 Engine Connector

ORDER NO.	Mfr. No.	Description
080-07497	07497	Female Die Cast Bayonet
080-94760	09746	Die Cast Bayonet Combo Pack Includes:- 1/4 NPT Female Tank Fitting, 90° Elbow 1/4 NPT - Female Tank Fitting 3/8" Barb Female Engine Connector (1987 & Older)



080-94760 Pack

3/8" I.D. Hose
Bayonet Style Fuel Line Assembly;
Cast Aluminum Fittings
Replaces OEM No. 32-80188A2

ORDER NO.	Mfr. No.
080-07483	07483

Yamaha

080-04075 — 080-05815 Tank Connector — 080-05815 Engine Connector

ORDER NO.	Mfr. No.	Description
080-05815	05815	Female Engine Connector
080-04075	04075	Male Tank Connector

3/8" I.D. Hose
Fuel Line Assembly
Replaces OEM No. 6Y2-24306-05-00

ORDER NO.	Mfr. No.
080-07489	07489

Johnson Evinrude

080-04068 — 080-05822 Tank Connector — 080-05822 Engine Connector

ORDER NO.	Mfr. No.	Description
080-04068	04068	Male Tank Connector
080-05822	05822	Female Engine & Tank Connector

3/8" I.D. Hose Bombardier
(Johnson / Evinrude)
Fuel Line Assembly
Replaces OEM No. 398549

ORDER NO.	Mfr. No.
080-07486	07486

Universal

Universal Fit End:
Customize your fuel line assembly to match the existing connector on your fuel tank!

Universal Tank Connector — Universal Engine Connector

Universal Fit End:
Customize your fuel line assembly to match the existing connector on your fuel tank!

080-07485	7' Hose Length
Mfr. No. 07485	3/8" I.D.

Replaces OEM No. J/E 176667/ 174513, Mercury 32-822379A

080-07491	7' Hose Length,
Mfr. No. 07491	5/16" I.D.

For more information see:
www.sceptermarine.com

= Tank Connector = Engine Connector

FUEL LINE CONNECTORS

080-04068

080-05787
080-05822

Johnson / Evinrude		
ORDER NO.	Mfr. No.	Description
080-04068	04068	1/4" NPT Brass Male Tank Connector
080-05787	05787	5/16" Barb Female Fuel Line Engine Connector
080-05822	05822	3/8" Barb Female Fuel Line Engine Connector

080-07497

080-05791

080-05793

080-94760

080-05837

Mercury		
ORDER NO	Mfr. No.	Description
080-07497	07497	3/8" Barb Male Die Cast Fuel Line Tank Connector Bayonet Style
080-94760	09476	1/4" NPT Plastic Female Tank Fitting, 90˚Elbow, 1/4" NPT Plastic Female Tank Fitting Connector Bayonet Style
080-05791	05791	3/8" Barb Female Fuel Line Engine Connector (Yamaha & Mercury) 1998 & Newer Style Engines; Large Two Prong Clip Style
080-05793	05793	3/8" Barb Plastic Female Fuel Line Tank Connector 1998 & Newer Style Engine; Two Prong Clip Style
080-05837	05837	1/4" NPT Brass Male Tank Connector 1998 & Newer Style Engines; Two Prong Clip Style

080-04075

080-05813

080-05815

Yamaha		
ORDER NO.	Mfr. No.	Description
080-04075	04075	1/4" NPT Brass Male Tank Connector
080-05813	05813	5/16" Barb Female Fuel Line Engine Connector
080-05815	05815	3/8" Hose Barb Female Fuel Line Engine & Tank Connector

SCEPTER™

For more information see:
www.sceptermarine.com

FUEL LINE ASSEMBLIES

COMPLETE FUEL LINE ASSEMBLY INCLUDES:
PRIMER BULB, HOSE, ENGINE CONNECTOR, TANK CONNECTOR

Mercury

Engine Connector	Complete Fuel Line Assembly	Tank Connector	Fitting
801-33482-10	801-34385-10 International, 3/8" ID	801-33486-10	801-33477-10 *
1998 & Newer Style Engines *1997 & Older: Use 801-33481-10 (Yamaha) for an engine connector*		1998 & Newer Style Engines	1998 & Newer Style Engines
Combo kit with 90˚ elbow 801-33418-10	801-34388-10 International, 3/8" ID	801-33421-10	801-33418-10 Combo kit with 90˚ elbow

Evinrude

Engine Connector	Complete Fuel Line Assembly	Tank Connector	Fitting
801-33480-10	801-34391-10 International, 3/8" ID	801-33480-10	801-33400-10 *
801-33410-10	5/16" ID	801-33410-10	801-33400-10 *

Yamaha

Engine Connector	Complete Fuel Line Assembly	Tank Connector	Fitting
801-33481-10	801-34394-10 International, 3/8" ID	801-33481-10	801-33470-10 *
801-33471-10	5/16" ID	801-33471-10	801-33470-10 *

Honda

Engine Connector	Complete Fuel Line Assembly	Tank Connector	Fitting
Customize your engine connector to fit your Honda Engine	801-34386-10 International, 3/8" ID	801-33498-10	801-33496-10
801-33497-10 2001 & Newer Style Engines	3/8" ID	801-33502-10 1991 & Newer Style Engines	801-33501-10 1991 & Newer Style Engines

For more information see www.moellermarine.com

UNIVERSAL FUEL LINE ASSEMBLIES

- Gasoline & solvent-resistant
- Stainless steel clamps
- Dual internal check valves

ORDER NO.	Mfr. No.	Description
615-33389-10	033389-10	12ft., 3/8" I.D.
615-34390-10	034390-10	7ft., 3/8" I.D.
615-34395-10	034395-10	7ft., 5/16" I.D.

ALL-IN-ONE FUEL LINE ASSEMBLY - EPA

Everything you Need to Connect to your O/B Engine & Fuel Tank

NEW!

- Universal fuel line, quick connect fuel connector
- 3 engine specific fuel connectors (Johnson/Evinrude, Mercury, Yamaha)
- Tank connector with sealant, & hose clamp
- Fits: 1998 & newer Mercury; most Evinrude/Johnson, & most Yamaha O/B engines. **Meets or exceeds all appl. CARB/EPA Regulatory for fuel hose.**

ORDER NO.	Mfr. No.	Size
801-34701-10	034701-10	3/8" x 72"L

COMPLETE FUEL LINE ASSEMBLIES (Continued)

JOHNSON/EVINRUDE

3/8" High Flow
FUEL LINE ASSEMBLY

8' LENGTH COMPLETE FUEL LINE ASSEMBLIES

NON EPA

018-8009S-1 SILVERADO 4000 Premium
OE# 398549

018-80630
TANK CONNECTOR
(SOLD SEPARATELY)

018-80920
FUEL
CONNECTOR

018-8005S
'S' SERIES
PRIMER BULB

018-80920
FUEL
CONNECTOR

✱ ✱

FUEL LINE ASSEMBLY COMPONENTS
Fits: All V8, 1984 & later V6, 1985 & later 120 HP, 140 HP Outboards, 2 HP (1 cyl.) - 75 HP (3 cyl.) (1976-2002)

3/8"
FUEL LINE ASSEMBLY

8' LENGTH COMPLETE FUEL LINE ASSEMBLIES

NON EPA

018-8014S-1 SILVERADO 4000 Premium
OE# 174509

018-80740
HOSE BARB
(SOLD SEPARATELY)

018-8005S
'S' SERIES
PRIMER BULB

018-80920
FUEL
CONNECTOR

✱ ✱

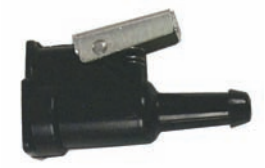
FUEL LINE ASSEMBLY COMPONENTS
Fits: All V6 & V8 (1976-2002)

018-8004S
018-800410S①
NON EPA
PRIMER BULB
5/16"
Replaces: 174511, 775638
Large capacity bulb

018-8005S
018-800510S①
NON EPA
PRIMER BULB
3/8"
Replaces: 174512
Large capacity bulb

HOSE BARB APPLICATION

ORDER NO.	OMC O.E.#	Barb	NPT	Conn. Type
018-80550	173311	5/16"	1/4"	Male
018-80740	173312	3/8"	1/4"	Male



018-80560
018-805610①
FUEL CONNECTOR
5/16"
Replaces: 174508, 775640
Mates with 018-80630

018-80630
018-806310①
TANK CONNECTOR
Replaces: 502867, 772681
(1/4" NPT)
Mates with 018-80920 &
018-80560

018-80720
FUEL ELBOW
3/8" Barb w/ 3/8" NPT Thread
Replaces: 174177
90°

018-80920
FUEL CONNECTOR
3/8"
Replaces: 176445, 775641
Mates with 018-80630

① Discount shop pack of 10 - Priced per package ✱ Tanks and Engines for picture purpose only.

NOTE: For EPA/CARB compliant Fuel Assemblies please see Sierra Catalog

For more information see:
www.catalog.sierraparts.com

COMPLETE FUEL LINE ASSEMBLIES (Continued)

MERCURY/MARINER

3/8"
FUEL LINE ASSEMBLY

8' LENGTH COMPLETE FUEL LINE ASSEMBLIES

018-8016S-1 SILVERADO 4000 Premium

NON EPA

OE# 32-858109Q12, 32-858109K12

918-80402
TANK CONNECTOR
(SOLD SEPARATELY)

018-80910
FUEL CONNECTOR

018-8005S
'S' Series PRIMER BULB

918-80410-1
FUEL CONNECTOR

✱

FUEL LINE ASSEMBLY COMPONENTS

Has double sealed quick connect type fitting on tank end and clip-on type quick connect on engine end. Fits: Force 40 HP and larger (1993 & Newer), Force 9.9/15/25 HP (1998) and all Mercury Mariner outboards using clip-on type disconnects at both tank and engine ends.

NON EPA

018-8004S
018-800410S①
PRIMER BULB
5/16"
Replaces: 89396A38, 89396Q8
Large capacity bulb

NON EPA

018-8005S
018-800510S①
PRIMER BULB
3/8"
Replaces: 13330A3, 13330Q, 13330Q5
Large capacity bulb

HOSE BARB APPLICATION

ORDER NO.	OMC O.E.#	Barb	NPT	Conn. Type
018-80540	22-63186	5/16"	1/8"	Male
018-80550	22-63187	5/16"	1/4"	Male
018-80730	-	3/8"	1/8"	Male
018-80740	-	3/8"	1/4"	Male

018-80680
TANK CONNECTOR
(1/4" NPT)
(Female)

018-80690
FUEL CONNECTOR
5/16"
Replaces: 22831Q3, 22831A3
(Female)

018-80700
FUEL CONNECTOR
5/16"
Replaces: 30185A3, 30185Q3
(Female)

018-80750
FUEL CONNECTOR
(1/4")
Replaces: 22-14213M, 2214213Q (Male)
Mates with 018-80771

① Discount shop pack of 10 - Priced per package

✱ Tanks and Engines for picture purpose only.

NOTE: For EPA/CARB compliant Fuel Assemblies please see Sierra Catalog

COMPLETE FUEL LINE ASSEMBLIES (Continued)

MERCURY/MARINER (Continued)

018-80771
TANK CONNECTOR
Replaces: 502867, 772681
(1/4" NPT)
Mates with 018-80750,
018-80760 & 018-80850

018-80820
TANK CONNECTOR
(1/4" NPT)
(Female)

018-80830
FUEL CONNECTOR
3/8"
(Female)

018-80840
FUEL CONNECTOR
3/8"
Replaces: 30185Q3
(Male)

018-80850
018-808510①
FUEL CONNECTOR
(5/16")
Mates with 018-80771

018-80910
FUEL CONNECTOR
Replaces: 22-13563Q7,
22-13563T7
Mates with 918-80402

918-80402
TANK CONNECTOR
1/4" NPT
Mates with 018-80910

918-80410-1
FUEL CONNECTOR
Replaces : 22-13563T3
5/16" (Female)
Fits: 4/5 2-Stroke (1999 & Up)
Mates with 918-80412

918-80412
FUEL CONNECTOR
Replaces: 22-816856T2
5/16" (Male)
Fits: 100 4-cyl. (1988-99),
115 4-cyl. (1989 & Up), 125
4-cyl. (1994 & Up), 65 Jet
(1994 & Up), 75 3-cyl. (1987
& Up), 80 Jet (1994 & Up),
90 3 cyl. (1987 & Up)
Mates with 918-80412

For more information see:
www.catalog.sierraparts.com

① Discount shop pack of 10 - Priced per package
✱ Tanks and Engines for picture purpose only.

NOTE: For EPA/CARB compliant Fuel Assemblies please see Sierra Catalog

COMPLETE FUEL LINE ASSEMBLIES (Continued)

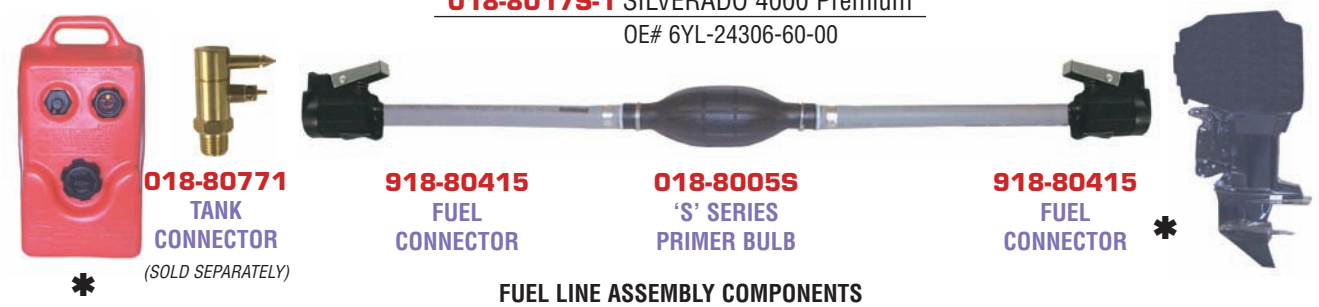
YAMAHA

3/8"
FUEL LINE ASSEMBLY

8' LENGTH COMPLETE FUEL LINE ASSEMBLIES

NON EPA

018-8017S-1 SILVERADO 4000 Premium
OE# 6YL-24306-60-00



018-80771
TANK CONNECTOR
(SOLD SEPARATELY)
✱

918-80415
FUEL CONNECTOR

018-8005S
'S' SERIES PRIMER BULB

918-80415
FUEL CONNECTOR
✱

FUEL LINE ASSEMBLY COMPONENTS
Fits: F75-F250 and 115-300 HP

018-8005S
018-800510S①
NON EPA
PRIMER BULB
3/8"
Large capacity bulb

018-80400
FUEL TANK ELBOW
Universal Fitting with
1/4" NPT Threads
Replaces: ABA-FBARB-90-DG
(Brass)

018-80550
HOSE BARB
1/4" NPT threads for connection
of 5/16" I.D. hose.
Replaces: ABA-FLINE-BA-RB
(Brass)

918-80414
FUEL CONNECTOR
(5/16")
Replaces: 6G1-24305-05-00, 6G1-24305-04
Fits: 6 (1989, 1992-93), 8 (1984-85, 1989-93, 2001-02, 909 (1984-93, 2000-03), 15 (1984-93, 2000-03), 25 (1984-85), 1988-93, 2000-03), 30 (1984-87, 1989-93, 1999, (2001-02), 40 (1984-86, 1988-90, 1992-93. 2000-03), 50 (1986-93, 2000-03), 60 (2001-03), 70 (1984-93, 2000-03), 90 (1984-93, 2000-03), C25 (1991, 1993), C30 (1991-93), C40 (1991-93, 2000-02), C50 (2000-01), C55 (1991-93), C60 (2000-01), C70 (2000-01), C85 (1991-93), C90 (2000-01), E48 (2000), F6 (2001-03), F8 (2001-03), F9.9 (1985-93, 2001-03), F15 (1998-99, 2000-01), F25 (1998-99, 2000-03), F30 (2001-03), F40 (1999, 2000-03), F50 (1999, 2000-03), F69 (2002-03), T9.9 (1991-93, 1999, 2001-03), T25 (2001-03), T50 (1999, 2000-03), T60 (2003)
Mates with 018-80771

918-80413
FUEL CONNECTOR
(1/4")
Replaces: 6Y1-24305-04
Mates with 018-80771

918-80415
FUEL CONNECTOR
(3/8")
Replaces: 6E5-24305-05,
Mates with 018-80771

018-80771
TANK CONNECTOR
(1/4" NPT)
Mates with 918-80413, 918-80414
& 918- 80415

① Discount shop pack of 10 - Priced per package
✱ Tanks and Engines for picture purpose only.

NOTE: For EPA/CARB compliant Fuel Assemblies please see Sierra Catalog

COMPLETE FUEL LINE ASSEMBLIES (Continued)

UNIVERSAL

5/16"
FUEL LINE ASSEMBLY

✱

8' LENGTH COMPLETE FUEL LINE ASSEMBLIES

018-8013S-1 SILVERADO 4000 Premium

018-8004S
'S' SERIES PRIMER BULB
FUEL LINE ASSEMBLY COMPONENTS

NON EPA

✱

3/8"
FUEL LINE ASSEMBLY

✱

8' LENGTH COMPLETE FUEL LINE ASSEMBLIES

018-8015S-1 SILVERADO 4000 Premium

018-8005S
'S' SERIES PRIMER BULB
FUEL LINE ASSEMBLY COMPONENTS

NON EPA

✱

5/16"
FUEL LINE ASSEMBLY

✱

12' LENGTH COMPLETE FUEL LINE ASSEMBLIES

018-8032S-1 SILVERADO 4000 Premium

018-8004S
'S' SERIES PRIMER BULB
FUEL LINE ASSEMBLY COMPONENTS

NON EPA

✱

Hose Barb

Hose Barb Application

ORDER NO.	Mercury O.E. #	OMC O.E. #	Barb	NPT	Conn. Type
018-80410	—	—	5/8"	3/8"	Male
018-80420	—	—	1/4"	1/4"	Male
018-80430	—	—	1/4"	1/8"	Male
018-80540	22-63186	—	5/16"	1/8"	Male
018-80550	22-63187	173311	5/16"	1/4"	Male
018-80730	—	—	3/8"	1/8"	Male
018-80740	—	173312	3/8"	1/4"	Male
018-80930	—	—	1/4"	1/4"	Female
018-80940	—	—	5/16"	1/4"	Female
018-80950	—	—	3/8"	1/4"	Female
018-81080	—	—	3/8"	3/8"	Male
018-81090	—	—	5/16"	3/8"	Male

✱ Tanks and Engines for picture purpose only.

NOTE: For EPA/CARB compliant Fuel Assemblies please see Sierra Catalog

018-80450
REDUCING NIPPLE FITTING
1/8" x 1/4" NPT HEX

018-42560
PIPE PLUG
1/4" Threads

018-42640
PIPE PLUG
3/8" Threads

018-80460
FUEL TANK ELBOW
1/8" NPT x 1/4" NPT
90°

018-80470
FUEL TANK ELBOW
1/4" NPT Threads
90°

018-80670
018-81109 (12/Pk)
FUEL TANK ELBOW
1/4" NPT Threads
90°

018-80820
TANK CONNECTOR
Mercury Straight Fitting
(1/4" NPT)
(Female)

018-80900
TANK CONNECTOR
(1/4" NPT)

918-80402
TANK CONNECTOR
1/4" NPT
Use with 018-80910

018-8002S
PRIMER BULB
1/4" I.D.

PRIMER BULB

Fits:
30 2 cycle (All), 30 JET 3 cycle (All), 40 2 cycle (All), 40 3 cycle (All), 40 JET (All), 50 3 cycle (G590000 & Up), 55 3 cycle (G590000 & Up), 60 3 cycle (G590000 & Up), 60 3 cycle Bigfoot (All), 65 JET (All), 75 3 cycle (D283222 & Up), 90 3 cycle (D283222 & Up)

ORDER NO.	Mfr. No.
018-70830	18-7083

TANK FITTING	NISSAN/TOHATSU	CHRYSLER	SUZUKI
Threads into fuel withdrawal on tank	**615-33450-10** Mfr. No. 033450-10 **TANK CONNECTOR** 1/4" NPT - Male **615-33491-10** Mfr. No. 033491-10 **TANK FITTING** 1/4" NPT 	**615-33461-10** Mfr. No. 033461-10 **TANK CONNECTOR** 1/4" NPT - Male 	**615-33503-10** Mfr. No. 033503-10 **TANK CONNECTOR** 1/4" NPT - Male **615-33463-10** Mfr. No. 033463-10 **TANK CONNECTOR** 1/4" NPT - Male

TANK CONNECTOR	NISSAN/TOHATSU	CHRYSLER	SUZUKI
Attaches to fuel hose on the fuel tank side	**615-33451-10** Mfr. No. 033451-10 **ENGINE/TANK CONNECTOR** 3/8" Barb - Female **615-33492-10** Mfr. No. 033492-10 **TANK FITTING** 3/8" Barb 	**615-33484-10** Mfr. No. 033484-10 **ENGINE/TANK CONNECTOR** 3/8" Barb - Female 	**615-33487-10** Mfr. No. 033487-10 **FUEL LINE CONNECTOR** 3/8" Barb - Female **615-33488-10** Mfr. No. 033488-10 **FUEL LINE CONNECTOR** 3/8" Barb

ENGINE CONNECTOR	NISSAN/TOHATSU	CHRYSLER	SUZUKI
Attaches to fuel hose on the engine side	**615-33451-10** Mfr. No. 033451-10 **ENGINE/TANK CONNECTOR** 3/8" Barb - Female **615-33492-10** Mfr. No. 033492-10 **TANK FITTING** 3/8" Barb 	**615-33464-10** Mfr. No. 033464-10 **ENGINE/TANK CONNECTOR** 5/16" Barb - Female 	**615-33467-10** Mfr. No. 033467-10 **ENGINE/TANK CONNECTOR** 5/16" Barb - Female **615-33488-10** Mfr. No. 033488-10 **FUEL LINE CONNECTOR** 3/8" Barb

FUEL LINE KITS

New low permeation fuel line kits meet all EPA requirements.
A re-engineered primer bulb along with new barbs and stepless clamps add strength and leak resistance.
EPA certified compliant hose. EPA certified fuel line. Ethanol compatible.

- EPA/CARB Certified
- Include LP Primer Bulb
- All kits include Attwood's exclusive Universal Sprayless Connector
- High-flow check valves ensure proper engine performance

ORDER NO.	Mfr. No.	Description
919-3806U7	93806UI7	Fuel Line, 6' x 3/8" Universal Kit
919-3806Y7	93806YI7	Fuel Line, 6' x 3/8" Yamaha Kit
919-3806E7	93806EI7	Fuel Line, 6' x 3/8" Johnson/Evinrude Kit
919-3806M7	93806MI7	Fuel Line, 6' x 3/8" Mercury Snap Lock Kit

Johnson / Evinrude

Yamaha

UNIVERSAL SPRAYLESS CONNECTOR with Thread Sealant

The Universal Sprayless Connector is a safe way to eliminate the spraying of fuel when connecting and disconnecting pressurized fuel hoses during fueling or maintenance. Includes male and female connectors for use with all standard marine fuel tanks – ¼" in (6.4mm) NPT fittings.

- For easy replacement on any portable fuel line
- Pre-applied fuel grade thread sealant
- Double check valve for quick priming and unrestricted flow
- Alcohol resistant, suitable for use with leaded and non-leaded fuels
- Non corrosive, galvanized hose clamps
- Strong & durable
- Meets EPA and CARB requirements, 2 year warranty

ORDER NO.	Mfr. No.
108-88386	8838US6

PRIMER BULB

- Connections engineered for strength, durability and leak resistance
- Low-permeation, fiber-reinforced hose
- High-strength, low permeation bulb and hose resist collapse in extreme temperatures
- High-flow check valves ensure proper engine performance

ORDER NO.	Mfr. No.	Description
919-30387	9303817	Primer Bulb, 3/8"

For more information see: www.attwoodmarine.com

SCEPTER™

For more information see www.sceptermarine.com

MAXIMUM FLOW for Improved Engine Performance

PRIMER BULBS

Scepter Primer Bulbs feature gasoline and solvent-resistant construction, stainless steel clamps, and dual internal check valves to ensure a more rapid prime while preventing fuel flow back

ORDER NO.	Mfr. No.	Description
080-07813	07813	Primer Bulb - 1/4" Hose Barbs
080-05869	05869	Primer Bulb - 3/8" Hose Barbs
080-07494	07494	Primer Bulb - 5/16" Hose Barbs

MOELLER marine products

PRIMER BULBS - INTERNATIONAL

- Maximizes engine performance
- Maximum flow
- Gasoline and solvent-resistant construction
- Dual internal check valves reduce back flow leakage for fuel system prime to engine

ORDER NO.	Mfr. No.	Description
615-34590-10	034590-10	Primer Bulb, 3/8" Hose Barb
615-34690-10	034690-10	Primer Bulb, 5/16" Hose Barb
615-34790-10	034790-10	Primer Bulb, 1/4" Hose Barb

For more information see www.moellermarine.com

DISPOSABLE IN-LINE FUEL FILTERS

615-33316-10

615-33317-10

801-33350-10

801-33351-10

801-33352-10

ORDER NO.	Mfr. No. Filtration	Description	Micron	Replaces
615-33316-10	033316-10	5/16" Barb	10	
615-33317-10	033317-10	3/8" Barb	10	
801-33318-10	033318-10	Universal	20	(Clear View)
801-33319-10	033319-10	Universal	20	(Clear View W/ 3/8", 5/16", 1/4" Barbs)
801-33350-10	033350-10	1/4" Barb	10	Mercury 35-16494
801-33351-10	033351-10	5/16"	10	Mercury 35-816296T
801-33352-10	033352-10	3/8"	10	Mercury 35-816296

Note: Not for use on inboard engines. The clear-vial design enables visual inspection of fuel.

801-33318-10

801-33319-10

ANTI-SIPON VALVES

Federal law requires the use of anti-siphon protection on permanent fuel tank installations. Moeller ASV's combine anti-siphon protection with a convenient hose barb design.
15 calibration yields 15" vertical height protection.
30 calibration yields 30" vertical height protection.

ALUMINUM

ORDER NO.	Mfr. No.	Description
801-33801-10	033801-10	3/8" Barb, 1/4" NPT
801-33802-10	033802-10	3/8" Barb, 3/8" NPT
801-33805-10	033805-10	1/4" Barb, 1/4" NPT

HOSE BARBS BRASS MALE THREAD

ORDER NO.	Mfr. No.	Description
615-33401-10	033401-10	1/4" NPT x 1/4"
615-33405-10	033405-10	1/4" NPT x 3/8"
615-33430-10	033430-10	1/4" NPT x 5/16"

HOSE BARBS BRASS FEMALE THREAD

ORDER NO.	Mfr. No.	Description
615-33478-10	033478-10	1/4" NPT x 3/8"

HOSE BARBS ALUMINUM MALE THREAD

ORDER NO.	Mfr. No.	Description
615-33442-10	033442-10	1/4" NPT x 3/8"

BRASS HOSE MENDERS

2 Stainless steel hose clamps included.

ORDER NO.	Mfr. No.	Description
801-33211-10-1	033211-10-1	1/4" Hose Menders
801-33212-10-1	033212-10-1	5/16" Hose Menders
801-33213-10-1	033213-10-1	3/8" Hose Menders

STAINLESS STEEL CLAMPS

0.25" x 0.88" -(6 mm x 22 mm)
Quantity of 2.

ORDER NO.	Mfr. No.
801-184008-10	184008-10

For more information see: www.moellermarine.com

FUEL PICK UPS/VALVES

THREADED FLEXIBLE PICK UP

- Aluminum fitting 3/8" NPT and 1/4" NPT for barb, as well as an internal flexible spring.
- 3/8" ID chemical resistant nylon tubing

ORDER NO.	Mfr. No.	Tank Depth
801-635021-10	635021-10	22"
801-635022-10	635022-10	36"

THREADED FUEL PICK UP

- Aluminum fitting 3/8" NPT and 1/4" NPT for barb
- 3/8" ID chemical resistant nylon tubing
- OEM certified

ORDER NO.	Mfr. No.	Tank Depth
801-33500-12	033500-12	12"
801-33500-24	033500-24	24"

POPLOCK FUEL PICK UP

- Aluminum fitting 1/4" NPT and 1/4" NPT for barb
- 3/8" ID chemical resistant nylon tubing

ORDER NO.	Mfr. No.	Tank Depth
801-33100-24	033100-24	24"

VENTS

- 90˚ elbow
- Accommodates 5/8" ID vent hose
- Vents hulls up to 1/2" thick

ORDER NO.	Description
615-33201-10	90º Elbow. **NOT for use in fuel systems produced in 2011 and later**
615-35732-10	**FOR fuel systems produced prior to 2011**

615-35732-10

615-33201-10

THREE-WAY FEMALE BRASS VALVES

ORDER NO.	Mfr. No.	Description
615-33305-10	033305-10	1/4" NPT w/ detent
615-33312-10	033312-10	3/8" NPT

FOUR-WAY FEMALE BRASS VALVES

ORDER NO.	Mfr. No.	Description
801-33304-10	033304-10	1/4" NPT

BRASS ELBOW

ORDER NO.	Mfr. No.	Description
801-33436-10	033436-10	1/4" NPT Male/Female

BRASS SHUT-OFF VALVE

- Constructed of brass
- Meets ABYC H-24 requirements
- Provides anti-siphon protection

Mfr. No. 033303-10

ORDER NO.	Description
615-33303-10	1/4 NPT Female/Female Brass Shut-Off

THREAD SEALING TAPE

ORDER NO.	Mfr. No.	Description
615-515002-10	515002-1	Teflon Tape

For more information see: www.moellermarine.com

FILTERS

ORDER NO.	Description	Micron Rating	Replaces
018-79440	Short - 3.875"	10	Mercury 35-807172, 35-802893Q
018-79450	Long - 4.35"	10	Mercury 35-802893Q, Yamaha - ABB-FUELF-IL-TR
018-79460	OMC Thread	10	OMC 502905 OMC Thread
018-78660	High Capacity - 6"	10	Yamaha - MAR-FUELF-IL-TR
918-78866	High Capacity - 6"	10	Yamaha - MAR-FUELF-IL-TR, MAR-10MEL-00-00
018-79670*	V6 EFI (1995 and earlier)	10	Mercury 35-18458Q3
018-79680*	V6 EFI (1996-current)	10	Mercury 35-18458Q4
018-75190	175-300hp V6 & V8 4-Str	10	Mercury 35-8M0106635
018-79890	EFI Model Volvo/OMC	10	Volvo SX/EFI 3851218-2, 3852413, Cobra EFI 3862228
018-81490	High Capacity	10	Volvo 3847644 - Fits most gasoline applications with electrical pump
018-78440	Short - 3.875"	21	Mercury 35-807172, 35-802893Q
018-78450	Long - 4.35"	21	Mercury 35-802893Q, Yamaha-ABB-FUELF-IL-TR
018-78460	OMC Thread	21	OMC 502905 OMC Thread
018-77890	EFI Model Volvo/OMC	21	Volvo SX/EFI 3851218-2, 3852413 Cobra EFI, OMC 502906

**Late model Fuel Water Separator with Sensor*

018-78521

018-79841

018-77760

018-78522

FUEL WATER SEPARATOR BRACKETS

Bracket Type	Replaces	ORDER NO.
1/4" Stainless	Yamaha MAR-FLTHD-SS-12	018-77770
3/8" Stainless		018-77760
1/4" Aluminum	Mercury 89876A3 Yamaha MAR-FLTHD-AL-12	018-78531
3/8" Aluminum		018-77750

FUEL WATER SEPARATOR KITS (Includes Bracket, Filter and 2 Pipe Plugs)

Kit Type	ORDER NO.	Micron Rating	Contents	Replaces
1/4" Aluminum (Short Filter)	018-79831	10	(1) 018-79440 Filter and (1) 018-78531 Bracket	Mercury 35-802893A4, Q4, 35-60494A4
1/4" Aluminum (Tall Filter)	018-79821	10	(1) 018-78450 Filter and (1) 018-78531 Bracket	
1/4" Aluminum (High Capacity Filter)	018-79661	10	(1) 018-78660 Filter and (1) 018-78531 Bracket	Yamaha MAR-SEPARA-AT-OR
3/8" Aluminum (Tall Filter)	018-79861	10	(1) 018-79450 Filter and (1) 018-77750 Bracket	
1/4" Aluminum (Tall Filter)	018-79841	10	(1) 018-79450 Filter and (1) 018-77770 Bracket	Yamaha MAR-SPRTR-HD-SS
3/8" Stainless (Tall Filter)	018-79851	10	(1) 018-79450 Filter and (1) 018-77760 Bracket	
1/4" Aluminum (Short Filter)	018-78481	21	(1) 018-78440 Filter and (1) 018-78531 Bracket	Mercury 35-802893A4, Q4, 35-60494A4
1/4" Aluminum (Tall Filter)	018-78521	21	(1) 018-78450 Filter and (1) 018-78531 Bracket	Yamaha MAR-SEPARA-AT-OR
3/8" Aluminum (Tall Filter)	018-77751	21	(1) 018-78450 Filter and (1) 018-77750 Bracket	
1/4" Stainless (Tall Filter)	018-77771	21	(1) 018-78450 Filter and (1) 018-77770 Bracket	Yamaha ABB-SPRTR-HD-SS

3/8" Pipe Plugs - 18-4264
1/4" Pipe Plugs - 18-4256

018-79861

BONUS PACK KITS (Includes Bracket, 2 Filters and 2 Pipe Plugs)

Kit Type	ORDER NO.	Micron Rating	Contents
1/4" Aluminum (Short Filter)	018-79832*	10	(2) 18-7944 Filters and (1) 18-7853-1 Bracket
1/4" Aluminum (Tall Filter)	018-79822*	10	(2) 18-7945 Filters and (1) 18-7853-1 Bracket
1/4" Aluminum (Short Filter)	018-78482*	21	(2) 18-7844 Filters and (1) 18-7853-1 Bracket
1/4" Aluminum (Tall Filter)	018-78522*	21	(2) 18-7845 Filters and (1) 18-7853-1 Bracket

*Replaces: Mercury 35-60494A4, 32-802893Q4, 35-805269A4 / Suzuki 99105-2001 / Yamaha ABA-SEPAR-AT-OR, ABB-SEPAR-AT-OR *All kits contain (2) 18-4256 Pipe Plugs*

WATER SEPARATING FUEL FILTERS

Clear Site with Hydro-Shield™ offers the ultimate protection against water and other contaminates to help keep engines running at peak performance!

- Bowl and filter head are reusable!
- Extends the life of filter by draining collected water from fuel system.
- Easy turn thumb screw ensures a positive grip during draining of bowl.
- Drainage bowl is manufactured from UV protected resin.
- Available with powder coated or composite filter head – each style offers enhanced corrosion protection.
- Protect fuel systems from water and other contaminates.
- Provides cleaner fuel critical for today's engines to operate at optimum performance.
- Will not separate 2-cycle oil from gasoline.
- High performance 3/8 NPT ports offer lower vacuum pressure drop rates.

⚠WARNING

- Outboard engine use only!
- Not for use with diesel fuel!

ORDER NO.	Mfr. No.	Description
801-33328-10	033328-10	Clear Site™ Water Separating Fuel Filter System - includes aluminum powder coated filter head, hose barbs, fuel filter & water collecting bowl
801-33329-10	033329-10	Clear Site™ Replacement fuel filter and water collecting bowl
801-33315-10	033315-10	Clear Site™ Replacement fuel filter
801-33314-10	033314-10	Clear Site™ Water Separating Fuel Filter System - includes composite filter head, hose barbs, fuel filter and water collecting bowl

WATER SEPARATING FUEL FILTERS BONUS TWIN PACK - 10 MICRON

Includes 2 universal water separating fuel filters, 1 composite filter head with 3/8" NPT hi-flow ports, barbs and plugs. Not recommended for use with diesel engines.

ORDER NO.	Mfr. No.	Description
615-33322-10	033322-10	Water Separating Fuel Filters Bonus Twin Pack - Universal

WATER SEPARATING FUEL FILTER KIT

Includes filter head, filter, barbs & plugs. Powder coated filter head for extreme corrosion protection. Internal epoxy coating keeps contaminates / rust from blocking fuel system. Will not separate 2-cycle oil from gasoline. Includes (2) 3/8" male barbs and (2) 3/8" NPT plugs. Not recommended for use with diesel engines.

ORDER NO.	Mfr. No.	Description
801-33320-10	033320-10	Universal Kit

FUEL FILTER WATER SEPARATOR

SNAPP™ FUEL FILTER WATER SEPARATOR FOR OUTBOARDS

The fuel filter change… that changes everything
The One-Piece, High Performance Snap-In Fuel Filter Water Separator
Fits anywhere – Protects Everywhere

- Now the fastest fuel filter change is also the smartest
  - No Tools, No Mess, No Fuss
  - One-Piece Leak-Free Construction
  - Now, filter changes are a SNAPP!
- Snapp™ is 100% Racor quality
  - Legendary Aquabloc® filter media delivers efficiency in 2, 10 or 30 micron
  - Trademark Racor clear bowl for instant water-in-fuel inspection – Won't Rust!
  - Self-venting drain for easy service
  - Heavy-duty high impact nylon construction won't corrode
  - Rugged electrostatically-coated mounting bracket

Features:

- Easy to install and service
- Patented easy priming system
- For all small engines up to 250 hp – **Diesel / Bio-Diesel / Gasoline**
- Fuel fitting connection: Includes 3/8" quick connect fittings (per SAE J2044) for use with 5/16" I.D. hose
- Large finger tabs for one-handed removal
- Compact design

SPECIFICATIONS	
Maximum Flow Rate	26 gph (100 lph)
Horsepower Range	up to 250 hp
Aquabloc Micron	2, 10, or 30 micron
Height	7.8" (198 mm)
Width	3.8" (97 mm) at bracket
Depth	4.1" (104 mm)
Water Sump Capacity	3.4 oz. (100 ml)
Body Material	Nylon 6 plastic
Bracket Material	Stainless Steel
Port Size	3/8" (9.5 mm)
Quick Connect Fittings	3/8" (9.5 mm) per SAE J2044
Rated Pressure	50 PSI (3.5 bar)
Water Removal Efficiency	99%
Rated Temperature Range	-20˚ to 150˚F (-29˚ TO 66˚C)

AQUABLOC II

Marine SNAPP™ First Fit Assembly (Stainless Steel Bracket) with Drain		
ORDER NO.	Mfr. No.	Micron
209-23299-02	23299-02	2
209-23299-10	23299-10	10
209-23299-30	23299-30	30
Marine SNAPP™ Replacements with Drain		
209-23298-02	R23298-02	2
209-23298-10	R23298-10	10
209-23298-30	R23298-30	30

SNAPP™ fuel filter water separators are packaged for a first installation with mounting bracket & quick connect fittings.
The replacement kit includes a new SNAPP™ filter and priming accessory.
Note: Kits include Aquabloc media in 2, 10 or 30 micron ratings.
Two micron is recommended for ultra fine filtration of solid contaminants.

AQUABLOC II

OEM REPLACEMENT FUEL SEPARATOR FILTERS

The ParFit PFF5510 gasoline fuel filter/water separator filter replaces standard filters in many inboard, outboard, two and four cycle engine applications.
Fits Mercury, Mercruiser, Yamaha, Suzuki, Honda, Tohatsu and other applications using 11/16"-16 threads.
Dimensions are 3.6" dia. x 4-1/4" tall.

Features & Benefits:

- High containment capacity and 96% at 10 micron particle removal efficiency makes this filter suitable for all low or high pressure injection systems
- 99% efficient water removing filter media
- Performance exceeds OEM specifications.

Mfr. No. PFF5510
ORDER NO. 209-55100

CUT AWAY IMAGE

NGK SERVICE BULLETIN

Subject: Introduction of "SOLID" Terminal Post for the Aftermarket Snowmobile & Watercraft.
NGK Spark Plugs has made available two of our most popular spark plugs for snowmobile & watercraft, those being BR8ES and BR9ES with a solid terminal nut.

(Please note that motorcycles still require BR8ES and BR9ES with the current style, having a screwable terminal nut.)
NOTE: NGK listing with the description "SOLID" means a solid terminal nut plug.

ORDER NO.	Mfr. No.	PLUG NO.	Std. Pack
076-29100	2910	AB6	10
076-30100	3010	AB7	10
076-79090	7909	AB8	10
076-29000	3323	AR6FS	10
076-31100	3110	B2	10
076-12780	3210	B4	10
076-86016	3112	B4L	10
076-32120	3212	B6L	10
076-03000	3710	B7S	10
076-04000	3810	B8S	10
076-79380	7938	BKR5E	4
076-35450	6953	BKR5E-11	4
076-69620	6962	BKR6E	4
076-69930	6993	BKR6EKU	10
076-55530	5553	BKR6ES-11	4
076-58810	5881	BKR7EKU	10
076-23870	4952	BKR7ES-11	4
076-68850	6221	BM6F	10
076-55000	5728	BMR4A	10
076-18000	7421	BMR6A	10
076-71000	4838	BP8H-N-10	10
076-54000	3823	BP8HS-10	10
076-49720	4972	BPMR6A	4
076-67030	6703	BPMR7A	10
076-23590	2359	BPR5EFS-13	10
076-65970	6597	BPR5EIX	4
076-91000	7734	BPR5ES	4
076-51330	6222	BPR5HS	10
076-89000	3623	BPR6EFS	10
076-66370	6637	BPR6EIX	4
076-36000	7131	BPR6ES	4
076-96000	2623	BPR6FS	10
076-40850	4085	BPR6HIX	4
076-75000	7022	BPR6HS	10
076-79000	2633	BPR6HS-10	10
076-40550	4055	BPR7EIX	4
076-40440	5534	BPR7ES	4
076-59440	5944	BPR7HIX	4
076-86022	6422	BPR7HS	10
076-43000	1092	BPR7HS-10	10
076-86002	3923	BPR8ES	10
076-72000	3725	BPR8HS	10
076-90000	7788	BPR9ES	10

ORDER NO.	Mfr. No.	PLUG NO.	Std. Pack
076-42000	4495	BPZ8H-N-10	10
076-64000	3133	BPZ8HS-10	10
076-65000	3180	BPZ8HS-15	10
076-59400	5940	BR10ECS-Solid	10
076-68010	6801	BR10EIX	4
076-94002	6957	BR10EIX-SOLID	4
076-73000	4684	BR10ES-SOLID	10
076-86000	7613	BR10EYA	10
076-86012	5798	BR2LM	10
076-50900	3322	BRHS	10
076-86011	4133	BR4LM	10
076-22460	5866	BR5ES	4
076-34000	3722	BR5HS	10
076-35000	4922	BR6ES	4
076-23000	4323	BR6FS	10
076-23180	2318	BR6FIX	4
076-34190	3419	BR6HIX	4
076-33000	3922	BR6HS	10
076-86007	1090	BR6HS-10	10
076-17000	3522	BR6S	10
076-66640	6664	BR7EIX	4
076-61000	5122	BR7ES	10
076-66150	6615	BR7ES-SOLID	10
076-70670	7067	BR7HIX	4
076-38000	4122	BR7HS	10
076-26000	1098	BR7HS-10	10
076-94003	6747	BR8EIX-SOLID	4
076-58000	5422	BR8ES	10
076-67000	3961	BR8ES-SOLID	10
076-79860	7986	BR8ES-11	10
076-82000	2663	BR8EYA	10
076-86009	1157	BR8HCS-10	10
076-70010	7001	BR8HIX	4
076-32000	4322	BR8HS	10
076-25000	1134	BR8HS-10	10
076-46770	4677	BR9ECS	10
076-95000	6669	BR9ECS-5	10
076-94001	3089	BR9EIX-SOLID	4
076-56000	5722	BR9ES	10
076-68000	3194	BR9ES-SOLID	10
076-74000	7548	BR9EYA	10
076-41000	4522	BR9HS	10
076-09000	4551	BR9HS-10	10
076-59400	5940	BR10ECS-SOLID	10
076-39000	6431	BU8H	10
076-86013	2322	BUE	10
076-37000	2522	BUHX	10
076-52000	7447	BUZ8H	10
076-44000	3579	BZ7HS-10	10

NOTE: Spark Plugs are sold individually

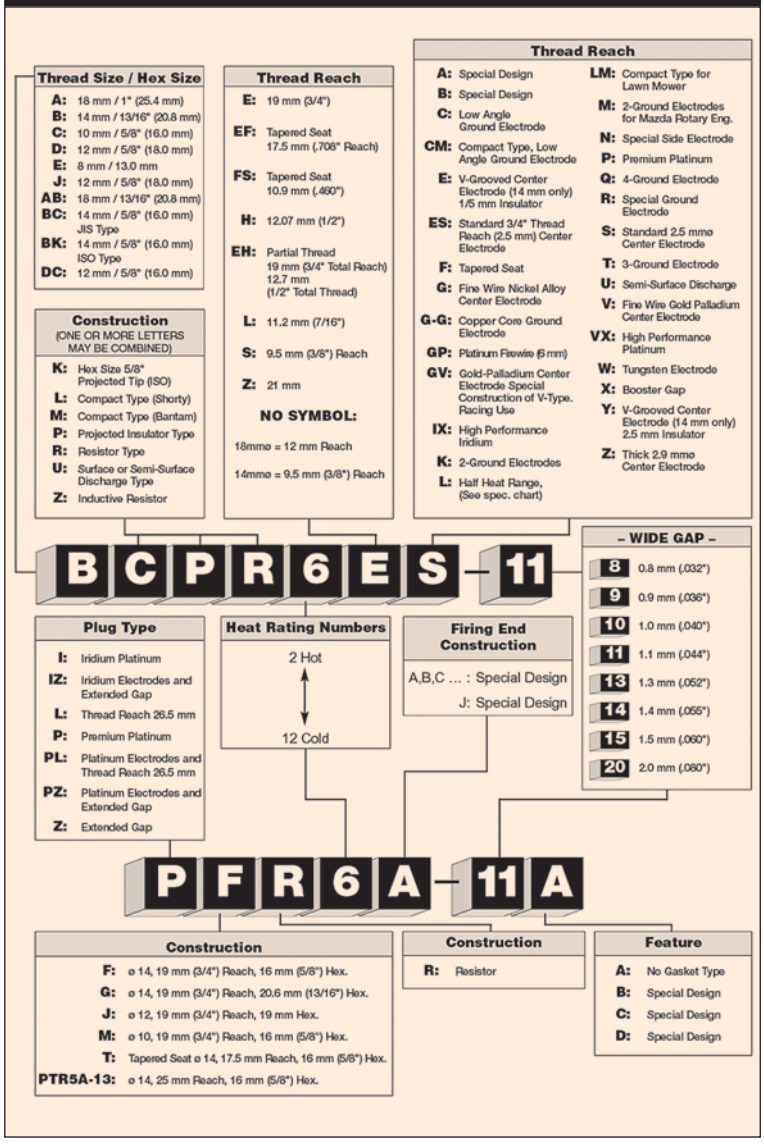
For more information see: www.ngksparkplugs.com

ORDER NO.	Mfr. No.	PLUG NO.	Std. Pack
998-28000	5812	CM6	10
076-46950	4695	CR4HSB	10
076-97001	6689	CR5EH9	10
076-65350	6535	CR5HSB	10
076-88000	2983	CR6HSA	10
076-04549	4549	CR7HSA	10
076-69550	6955	CR9EB	10
076-53000	7502	CR9EH-9	10
076-45480	4548	CR9EK	10
076-78000	3481	DCPR6E	10
076-86008	3932	DCPR7E	10
076-43390	4339	DCPR8E	10
076-28870	2887	DPR5EA-9	10
076-77000	5531	DPR6EA-9	10
076-31080	3108	DPR6EB-9	10
076-86006	4929	DPR8EA-9	10
076-51000	4623	DR5HS	10
076-76000	4823	DR6HS	10
076-86018	7839	DR7EA	10
076-86005	2923	DR8ES-L	10
076-45890	4589	IFR6T11	4
076-04212	4212	ILFR6G-E	10
076-65440	6544	IMR9D-9H	4
076-55990	5599	ITR4A15	4
076-58870	5887	IZFR5G	4
076-58990	5899	IZFR5J	4
076-44620	4462	IZFR6J	4
076-40950	4095	IZFR6F-11	4
076-67480	6748	IZFR6K-11E	4
076-47570	4757	IZFR6N-E	4
076-64990	6499	LFR4A-E	10
076-97000	6376	LFR5A-11	10
076-36720	3672	LFR6A-11	10
076-92038	92038	LFR7A	10
076-92650	92650	LKR6E	10
076-93580	93580	PFR7N8DS	10
076-43630	4363	PZFR5F-11	4
076-76960	7696	PZFR6H	4
076-42530	4253	PZFR7G-G	4
076-78620	7862	PZTR5A-15	4
076-70000	2238	TR5	4
076-93000	3951	TR55	4
076-34030	3403	TR55GP	4
076-71640	7164	TR55IX	4
076-73970	7397	TR5IX	4
076-50000	2771	UR5	4
076-80000	6630	UR4	4
076-74010	7401	UR4IX	4
076-71770	7177	UR5IX	4
076-92000	7773	UR6	4
076-79660	7966	UR6GP	4
076-73480	7348	UR6IX	4

ORDER NO.	Mfr. No.	PLUG NO.	Std. Pack
076-10710	2438	WR5	4
076-75100	7510	WR5IX	4
076-26370	5858	XR4	4
076-40000	3332	XR5	4
076-69000	7052	YR5	4
076-75160	7516	YR51X	4
076-29530	2953	YR5GP	4
076-40430	4043	ZFR4F-11	4
076-86020	6855	ZFR7F-11	4

NOTE: Spark Plugs are sold individually

SPARK PLUGS - DESIGN SYMBOLS



For more information see: www.ngksparkplugs.com

SPARK PLUGS

NOTE: Spark Plugs below are sold individually

ORDER NO.	Mfr. No.	PLUG NO.	Std. Pack
076-00001	849	CJ6	4
076-00002	843	CJ8	8
076-00004	846	CJ14	8
076-00005	853	CJ7Y	4
076-00006	851	DJ6J	8
076-00007	850	DJ7J	8
076-00079	855	DJ7Y	8
076-00008	847	DJ8J	8
076-00089	509	D9	6
076-00009	516	D16	6
076-00096	587	H8C	8
076-00013	844	H10C	8
076-00014	825	J4C	8
076-00015	823	J6C	4
076-00016	841	J8C	8
076-00103	511	J11C	8
076-00019	845	J17LM	4
076-00101	861	J19LM	4
076-00078	885M	L6VC	4
076-00024	827M	L76V	4
076-00025	821M	L77JC4	4
076-00026	807M	L78C	4
076-00027	833M	L78V	4
076-00070	328	L82YC	4
076-00029	306	L86C	8
076-00030	312	L87YC	4
076-00032	805	N2C	4
076-00033	801	N3C	4
076-00119	9809	QC8WEP	4
076-00111	7919	QC10PEPB	6
076-00115	9005	QC10WEP	4
076-00116	950M	QC12GMC	6
076-00112	956M	QC12PEP	6
076-00117	952M	QC12PEPA	4
076-00118	7953	QC12PEPB	6
076-00071	876M	QL16V	4
076-00039	898M	QL76V	4
076-00040	828M	QL77JC4	4
076-00109	883M	QL78C	4
076-00107	938M	QL78YC	4
076-00106	931M	QL82C	4
076-00043	932M	QL82YC	4
076-00120	933M	QL86C	4
076-00114	810	RA8HC	4
076-00046	859	RCJ7Y	8
076-00047	840	RCJ8	4

ORDER NO.	Mfr. No.	PLUG NO.	Std. Pack
076-00090	872	RDJ7Y	8
076-00095	129	RF10C	4
076-00091	22	RF11YC	8
076-00099	538	RH8C	8
076-00100	854	RH10C	8
076-00053	857	RH18Y	8
076-00055	102	RJ6C	4
076-00056	871	RJ8C	4
076-00092	592M	RJ12C	4
076-00058	856	RJ17LM	4
076-00102	868	RJ19LM	4
076-00080	14	RJ12YC	4
076-00059	58	RJ18YC	8
076-00061	830	RL86C	8
076-00062	327	RL87YC	4
076-00063	818	RN2C	4
076-00064	880	RN3C	8
076-00098	123	RN5C	6
076-00065	415	RN9YC	4
076-00066	404	RN12YC	4
076-00081	401	RS12YC	6
076-00067	121	RV8C	4
076-00068	400	RV9YC	4
076-00069	113	RV12C	4
076-00072	406	RV12YC	4
076-00094	18	RV15YC4	4
076-00104	25	RV17YC	4
076-00108	942M	RV91MC	4
076-00105	930	RV92YC	8
076-00075	831M	UL77V	4
076-00113	955M	XC12PEPB	4

PLUG NO.	Replaced By
CJ11	RCJ8
F10C	RF10C
F11YC	RF11YC
H8	RH8C
J11	J11C
J12YC	RJ12YC
KCJ6	CJ6
KCJ7Y	RCJ7Y
KJ12	RJ12C
L90	L90C
N11YC	RN11YC
N74C	RN5C (+)

(+) Marine Only

PLUG NO.	Replaced By
QUL77V	QL76V
RCJ6	KCJ6
RDJ7J	RDJ7Y
RH8	RH8C
RH10	RH10C
RJ12	RJ12C
RJ4J	J4C
RN74C	RN5C
RV15YC	RV15YC4
UJ2J	J4C
UJ4J	J4C
UL18V	UL77V

For more information see: www.championsparkplugs.com

SHOP PACKS

- Packed for convenience & protection
- Easier to handle
- Instant Inventory
- Cost savings

NOTE: Shop Pack contains 24/Spark Plugs in Box.

ORDER NO.	Mfr. No.	PLUG NO.
076-08430	843S	CJ8-SSP
076-08460	846S	CJ14-SSP
076-08530	853S	CJ7Y-SSP
076-08250	825S	J4C-SSP
076-08230	823S	J6C-SSP
076-08410	841S	J8C-SSP
076-08450	845S	J17LM-SSP
076-08610	861S	J19LM-SSP
076-08210	821S	L77JC4-SSP
076-08280	828S	QL77JC4-SSP
076-09380	938S	QL78YC-SSP
076-09310	931S	QL82C-SSP
076-09320	932S	QL82YC-SSP
076-05920	592S	RJ12C-SSP
076-08680	868S	RJ19LM-SSP

CHAMPION POWER SPORT™ More Power More Fun™

More Power – Less Fouling
For All Your Power Toys!
Champion PowerSport Spark Plugs Deliver Unmatched Performance.

- **More power**…for quicker acceleration.
- **Less fouling**…for faster throttle response-no more fouling.
- Sure Starts…delivers maximum ignition voltage.
- Eliminates RFI related static…in audio, on-board communications and engine management systems
- Extensive Coverage…seven SKU's cover over 90% of the personal watercraft and snowmobile market.

Note: PowerSport Plugs Below are Single Carded

ORDER NO.	Mfr. No.	Standard Design Plug*
076-83321	8332-1	RN7YC / N7YC
076-84051	8405-1	RN12YC / N12YC, RN13LYC, RN14YC
076-84151	8415-1	RN9YC / N9YC, RN11YC4 / N11YC
076-88091	8809-1	RA4HC, RA6HC / A6HC
076-88101	8810-1	RA8HC
076-88141	8814-1	RL82YC / L82YC, QL82YC
076-88151	8815-1	RA8HC
076-89041	8904-1	RN2C / N2C, RN3C / N3C, RN4C / N4C, RN4YC

****NOTE: The improved operating characteristics of PowerSport plugs vary from standard designs. It is important to refer to the Champion application catalog for maximum performance and correct application.***

SPARK PLUG ACCESSORIES

NGK Spark Plug Covers for Motorcycles, Scooters, Lawn mowers, Generators, Outboard motors etc.

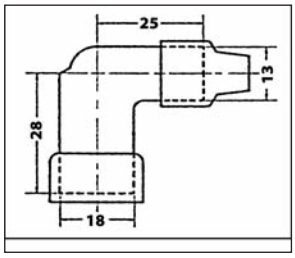
NGK SPARK PLUG RESISTOR COVERS

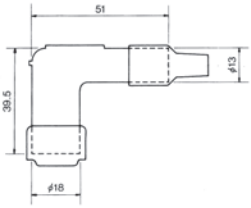
LB type: 14mm thread
LZ type: 10,12 & 14 mm thread
Phenolic resin

14 mm thread
Phenolic resin

14 mm thread
Rubber sheathed

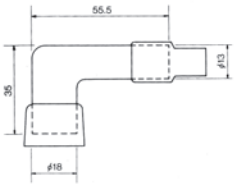
ORDER NO. 076-01000 Mfr. No. 8381





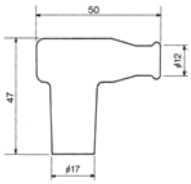
- 90° Elbow Type
- 14 mm thread
- Resistance: 5 k ohms

ORDER NO. 076-01001
Mfr. No. 8020



- 90° Elbow Type
- 14 mm thread
- Resistance: 5 k ohms

ORDER NO. 076-01002
Mfr. No. 8744



- 90° Elbow Type
- 14 mm thread
- Resistance: 5 k ohms

ORDER NO. 076-01003
Mfr. No. 8636

Extremely Reliable Construction
The use of a strong material against a high temperature and high voltage phenolic resin and special rubber gives the plug cover a stable value.

Waterproof
Special rubber liners on both ends prevent drops of water from causing electrical leakage.

For more information see: www.ngksparkplugs.com

IGNITION ACCESSORIES

SPARK PLUG WIRE KIT
Replaces: Mercury 84-99215A26, 84-813706A26 Kit includes 25 ft. Roll of 7MM Hypalon ignition wire with a metallic core and a large assortment of three different end fittings to fit outboard motors.
ORDER NO. 018-52250

UNIVERSAL SPARK PLUG BOOTS
Supplied complete w/Terminal Connector
Replaces: OMC 581027, 580339
ORDER NO. 018-57509
(10/Pk)

7MM HYPALON IGNITION WIRE
Metallic Core
100' Spool
ORDER NO. 018-52260

IGNITION WIRE TERMINAL
Replaces: Mercury 20121, OMC 510364
(10/Pk)
ORDER NO. 018-52249

SPARK PLUG WIRE SETS

NOTE: See Sierra Catalogue for complete range of spark plug wire sets.

For more information see: www.catalog.sierraparts.com

HOTFOOT FOOT THROTTLE

Allows you to Drive the Boat like you do the Car!

HOT FOOT™ PRO TOP LOAD FOOT THROTTLE

- Improved Safety & Throttle Control
- Topside Cable Connections
- Patented Idle Stop for FICHT & Optimax
- Stainless Steel Hardware with Teflon Bushings
- Requires longer throttle cable (Not included)

ORDER NO.	Mfr. No.	DESCRIPTION
205-60002	HF-1T-DP	HOT FOOT™ Pro Top Load Foot Throttle Fits: Johnson, Evinrude, Mercury, Mariner
205-62002	HF-1CT-DP	HOT FOOT™ Pro Top Load Foot Throttle Fits: Honda, Yamaha, Chrysler/Suzuki
205-60011	HFS-1-DP	HOT FOOT™ Replacement Spring (all models)

HOT FOOT™ FOOT THROTTLE

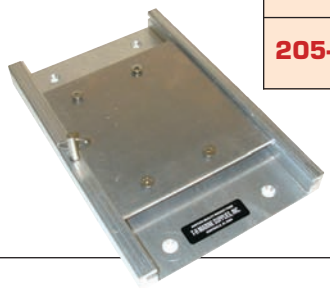
- Provides Added Safety & Performance
- All Cast Aluminum – Stainless Steel Hardware
- Nylon & Teflon Bushings on all Critical Pivot Points
- Patented Idle Stop for FICHT & Optimax Engines
- Accepts all engine manufacturers throttle cables
- Requires Longer Throttle Cable (Not Included)

ORDER NO.	Mfr. No.	DESCRIPTION
205-61111	HF-1-DP	HOT FOOT™ - Universal Model Fits all marine engines
205-60011	HFS-1-DP	HOT FOOT™ Replacement Spring (all models)

HOT FOOT™ SLIDE MOUNT

- Easy Adjustment of Hot Foot™
- Stainless Steel Fasteners & Release Pin
- Allows Over 5" of Slide Adjustment

ORDER NO. 205-00001
Mfr. No. HFM-1-DP



For more information see: www.thmarine.com

DOMETIC OUTDOOR

DOMETIC PRO-PEDAL FOOT THROTTLE

For High Performance Boats!

NEW!

118-70000-P

Dometic's Pro-Pedal foot throttle meets the individual requirements of a high performance bass boat driver. Offering significant advantages in terms of customization and comfort, its compact design keeps the boat floor uncluttered and allows for more room around the pedal. The adjustable pedal angle allows a driver to set up their boat for the perfect driving position. An integrated slide makes it easy to adjust the position of the pedal to suit different drivers.

- Allows the throttle cable to be routed from the front, back or above
- Locking fasteners hold a tight fit even under stress
- The enclosed mechanism and unique wedge prevents debris from inhibiting pedal function
- The mechanism is "universal" meaning it will accept any OEM style or 30 series engine specific sized cable
- Pedal position and travel can be easily adjusted to match the ergonomics of the driver while still providing full idle-to-WOT control
- Compact design keeps the boat floor uncluttered and allows for more room around the pedal
- Toe hook at the top of the pedal to allow the driver to manually pull the throttle back to idle if required
- These combined features of the Pro-Pedal amount to a 40% time savings during installation

ORDER NO.	Mfr. No.	DESCRIPTION
118-70000-P	FT7000P	Foot Throttle with Adjustable Slider Base Plate
118-70500-P	FT7050P	Foot Throttle
118-70510-P	FT7051P	Slider Base Plate

For more information see: www.dometic.com

OUTBOARD MOTOR BRACKETS

PANTHER

ADJUSTABLE OUTBOARD MOTOR BRACKET

- Up to 10 hp or 80 lbs max. weight
- Constructed of stainless steel with spring assist for easy lifting
- Manual lifting required to raise and lower your auxiliary outboard motor
- 14" travel
- Pad size: 8.5" x 10.5" (Replacement No. 099-55650)
- Mounting hardware included
- Weight: 9 lbs.

Note: Not to be used with 4 stroke engines

Mfr. No. 55-0010 **ORDER NO. 945-50010**

ADJUSTABLE OUTBOARD MOTOR BRACKET

- Up to 20 hp or 115 lbs max. weight
- Constructed of heavy duty, light weight aluminum
- Designed for freshwater use on both powerboats & sail boats
- Manual power with spring assist
- 11" of travel with 5 stops
- Setback: 7.75" • Weight: 12 lbs.

Note: Not to be used with 4 stroke engines

Mfr. No. 55-0021 **ORDER NO. 945-50021**

OUTBOARD MOTOR BRACKET ALUMINUM MAX 12HP – 2 STROKE

- Heavy duty, lightweight aluminum bracket
- Designed for motors up to 12 hp or 82 lbs.
- Manual lifting with spring assist
- 14" of travel with 5 stops
- Pad size: 8.25" x 10.5"
- Setback: 7.75"
- Mounting hardware included
- Replaces 55-0022

Note: Not to be used with 4 stroke engines

Mfr. No. 55-0012 **ORDER NO. 945-00012**

4-STROKE OUTBOARD BRACKETS

- Up to 35 hp or 263 lbs. max. weight
- Anodized aluminum bracket is built to handle the increased weight and torque output of today's four strokes with long or short shafts
- Hand-adjustable with just the turn of a knob, stainless steel torsion springs counterbalance motor weight making adjustments a breeze
- 2" thick, extra wide mounting board, along with aircraft-type stainless steel hardware
- Spring assist • 8" setback • Weight: 20 lbs.

ORDER NO.	Mfr. No.	Description
945-50410	55-0410	5 Vertical Running Positions 10" travel (Replacement Pad No. 099-55651)
945-50416	55-0416	4 Vertical Running Positions 16" Travel

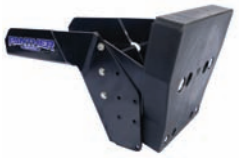
4-STROKE SWIM PLATFORM BRACKET

Built extra-tough and extra-wide for secondary engines including new higher-torque, four-stroke engines.

- Rated for 2 & 4 stroke motors to 20 HP or 195 lbs max. weight
- Comes complete with transom support bar for weight support and torque resistance
- Constructed of hard-coat anodized aluminum and can be adjusted to fit most platform heights and motor shaft lengths for optimal prop depth and performance
- Position trim adjustment available by moving bolts on bracket
- Style: Adjustable 3 vertical running positions, 4" Vertical Travel
- Mounting board is 2" weatherproof and maintenance-free polypropylene.
- Setback: 9-3/4" in the up position and 12" in the down position
- Adjustable mounting holes
- Pad size: 11.5" x 10.75"
- Stainless steel safety cable included
- Mounting hardware not included

(Do not use without Panther #55-0415 included safety cable)

- Weight: 19 lbs.



Mfr. No. 55-0030
ORDER NO. 945-50030

FIXED OUTBOARD MOTOR BRACKET

- Fits 2 stroke and 4 stroke motors weighing up to 150 lbs.
- Constructed of 1/4" heavy duty fabricated aluminum
- This economical fixed motor bracket is designed specifically for the weekend fisherman
- Features an 8" setback and a black anodized finish
- 5" high adjustment to accomodate short shaft motors
- To provide adequate support, the transom side of the bracket must be fully covered by the boat's transom.

DIMENSIONS:

Motor Plate Adjustable: 12" x 14.75" x 1/4" or 12" x 19.25" x 1/4"
Weight: 19 lbs.
Transom Plate: 10" x 12" x 1/2" (2) height adjustments

Mfr. No. 55-0027
ORDER NO. 945-50027

4-STROKE LIGHTWEIGHT BRACKETS

- Up to 15 hp or 132 lbs. max. weight

Note: 2-Stroke motors up to 20hp - (55-040SS model only)

- Built extra tough & extra wide
- Stainless torsion springs for easy lifting
- 2" thick, maintenance-free polypropylene mounting board
- Rated for long or short shaft engines

ORDER NO.	Mfr. No.	Description
945-04070 ALUMINUM	55-0407AL	Adjustable 5 Vertical Running Positions, 10" travel Setback: 8", Overall size: 8.50" W x 21"H
945-04080 STAINLESS STEEL	55-0408SS	Adjustable 4 Vertical Running Positions, 11" travel Setback: 7.25" (at top position) Overall size: 7.25" W x 21.5"H

For more information see: www.panthermarineproaucts.com

INTEGRAL TRIM AND TILT – MODEL 25

The Integral Trim and Tilt Model 25 is made to provide trim and tilt features on motors that don't have factory trim and tilt.

- Designed to work with Johnson and Evinrude Two-Stroke outboards.
- Motors made from 1976 to 2004.
- Horse Power Ratings of 20, 25, 28, 30 and 35.
- Locking Shallow Water Drive (Flip Switch) must be on the side of the motor not the front.

ORDER NO. 934-00025 Mfr. No. 55-0025

Relay Control Only (ORDER NO. 934-55022)

TRIM AND TILT - MODEL 40

The Model 40 is a heavy duty fabricated aluminum bracket.
It will hold 2 and 4 stroke motors up to 150lbs.
8" setback - weighs 21lbs.

ORDER NO. 934-55040
Mfr. No. 55-0040

TRIM AND TILT - MODEL 135

For outboards up to 135hp or 350 pounds, the Heavy Duty Trim & Tilt maximizes lifting power (even greater than the outboard's tilt range). It also allows for increased tuck-under to get heavy boats on plane quickly.

ORDER NO. 934-00135
Mfr. No. 55-0135

TRIM AND TILT - MODEL 55

Perfectly designed for pontoons, fishing, or pleasure boats, the Trim & Tilt provides an additional five degrees of negative tuck for improved hole shot. Adapts to clamp on or bolt-through outboards.
Standard BIA bolt pattern.

ORDER NO. 934-00055
Mfr. No. 55-0055

AUXILIARY MOTOR LIFT - MODEL 35 - 13" SETBACK

Kicker motors are supported in any position with this durable design. In addition to its ruggedness, the Model 35 is the only kicker motor lift with a convertible setback.
It can be adjusted from 7 to 13 inches of setback, making it ideal for inboards

ORDER NO. 934-00035
Mfr. No. 55-0035

Product Features	Model 40 Trim & Tilt	Model 55 Trim & Tilt	Model 135 Trim & Tilt	Model 35 Remote Auxiliary Motor Lift
FOR USE WITH TYPE OF OUTBOARD MOTOR	Bolt or Clamp-on	Bolt or Clamp-on	Bolt or Clamp-on	Clamp-on Only
MAXIMUM HORSE POWER RATING	Up to 40 HP	Up to 55 HP	Up to 135 HP	Up to 40 HP
MAXIMUM RECOMMENDED MOTOR WEIGHT	150 lbs (55 kg)	250 lbs (115 kg)	350 lbs (160 kg)	150 lbs (55 kg)
LIFT RANGE	30° 60° Tilt Only	5°Tuck, 60°Tilt	5° Tuck, 60°Tilt	30° - 60° Tilt Only
DIMENSIONS: TOP WIDTH	10.5" (26.6 cm)	15" (38 cm)	15" (38 cm)	11" (18 cm)
BOTTOM WIDTH	10.5" (26.6 cm)	10" (25 cm)	10" (25 cm)	10" (18 cm)
TRANSOM HEIGHT	12" (30 cm)	12" (30 cm)	14" (36 cm)	11" (18 cm)
TRANSOM SET BACK	7" (18 cm)	7" (18 cm)	7" (18 cm)	7.5" to 13" (18.4 to 39 cm)
ELECTRICAL REQUIREMENTS	12 VDC	12 VDC	12 VDC	12 VDC
TYPICAL & MAXIMUM AMP DRAW	5 to 20 Amps	5 to 20 Amps	5 to 20 Amps	5 to 20 Amps
Relay Control ORDER NO.		**934-55022**	**934-55022**	**934-55022**
ORDER NO.	**934-55040**	**934-00055**	**934-00135**	**934-00035**

PRO STRAP KICKER TIE DOWN

The Panther Pro-Strap provides hands-free, heavy duty retention for the Model 35.

ORDER NO. 935-51500
Mfr. No. 55-1500

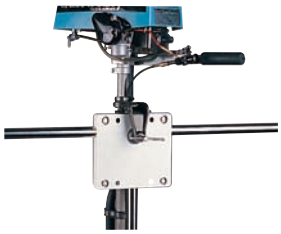
For more information see: www.panthermarineproducts.com

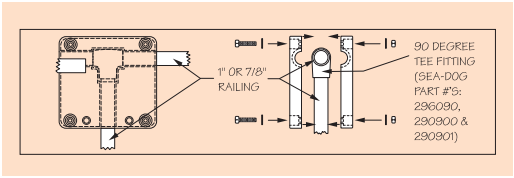
SEA-DOG LINE QUALITY MARINE GEAR

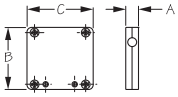
RAIL MOUNT MOTOR BRACKET

Injection Molded Polypropylene

Designed to hold small outboards up to 8 HP (2-cycle only) upright on the stern rail. Brackets will fit both 7/8" and 1" rails as well as rails using 90° tee fittings. The two piece unit is made of UV stabilized polypropylene and comes complete with fasteners. Extra holes enable the use of a recommended safety chain to secure the motor. It can also be used as a mounting platform for barbecues, downrigger brackets, fish cleaning tables, etc.







ORDER NO.	Mfr. No.	A	B	C	Colour	HP Rating
423-27150	327150-1	1-9/16"	6-11/16"	6-11/16"	White	8 hp (2-cycle only)
423-27151	327151-1	1-9/16"	6-11/16"	6-11/16"	Black	8 hp (2-cycle only)

For more information see: www.sea-dog.com

T-H MARINE

ATLAS™ HYDRAULIC JACKING PLATE

ATLAS™ SERIES HYDRAULIC JACK PLATES*

T-H Marine introduces the next generation in jack plate design, built for the heaviest and most powerful V6 engines on the market today, even the big four strokes. Our innovative high tech engineered polymer rod and slot lifting design guarantees trouble free action. This plate also features the newest concept in one-piece hydraulics from the most respected name in hydraulic design, providing the best of all worlds: Speed and self contained lifting action.

- Self contained hydraulic pump system - No reservoir or lines to install
- Fast! - 8 second lift time
- Rod and slot lifting design - Trouble free lifting action
- Hi-Tech engineered polymer rods - 6 times more abrasion resistant than steel
- Rods made from self-lubricating material
- Easy two-pin pump removal - Quick maintenance
- Installs in half the time of comparable jack plates
- Can be used for most outboards - 300hp Max
- Max Weight: 625 lbs.
- Width: 16-3/8" (Transom side)
- Height: 12-1/2"

ORDER NO.	Mfr. No.	Set Back
205-66604	AHJ-4V-DP	4"
205-66606	AHJ-6V-DP	6"
205-66608	AHJ-8V-DP	8"
205-66610	AHJ-10V-DP	10"
205-66612	AHJ-12V-DP	12"
205-66614	AHJ-14V-DP	14"

Replaces Hydro-Jacker™ Hydraulic Jacking Plates

ATLAS™ SERIES HOT SHOT™ HOLE SHOT PLATES

- Models to fit all Atlas™ Jacks
- Provides improved hole shot
- Reduces water drag at take off
- Reduces porpoising

ORDER NO.	Mfr. No.	Size
205-66606-1	AHJHSP-6V-DP	6"
Fits AHJ-6V-DP		
205-66610-1	AHJHSP-10V-DP	10"
Fits AHJ-10V-DP		

ATLAS™ SERIES DIGITAL POSITION GAUGE KIT

- All digital readout
- Each number indicates 1/4" rise
- Numbers from 0 to 20
- All Atlas jacks are pre-drilled to fit

Mfr. No. FAGK-2-DP

ORDER NO. 205-66662

@ Have a Technical Question?

Contact our Technical Support Staff
email: techsupport@ccmarine.ca

For more information see: www.thmarine.com

Z-LOCK™ MANUAL JACK PLATES

- Z-Lock™ design provides maximum strength
- Prevents side slippage and movement
- Strong aircraft grade aluminum
- Full 1/2" material for strength
- Handles all V6 outboards to 300 HP
- Easily adjusts up or down with centre bolt

ORDER NO.	Mfr. No.	Setback
205-00601	JPZ-6-DP	6" Setback
205-00801	JPZ-8-DP	8" Setback
205-01004	JPZ-10-DP	10" Setback

Z-LOCK™ HOT SHOT™ HOLE SHOT PLATES

- Improved hole shot
- Reduces drag or take off
- Helps with porpoising

ORDER NO.	Mfr. No.	Fits
205-92006	JPZHSP-6	JPZ-6-DP
205-92008	JPZHSP-8	JPZ-8-DP
205-92010	JPZHSP-10	JPZ-10-DP

HI-JACKER™ JACKING PLATE

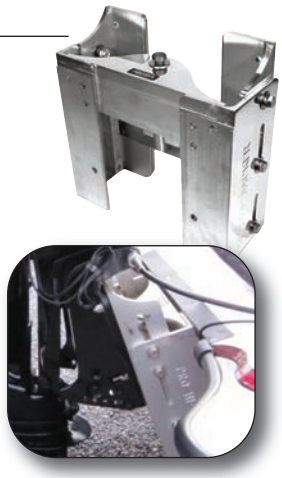
- 3/8" Aluminum – Two Piece Design
- Natural Aluminum Finish
- Dual Stainless Steel Adjustment Rods
- Maximum 150 HP V4 & V6 Outboards
- 6" Setback – 4" Vertical Lift

ORDER NO. 205-30001
Mfr. No. JP-1A-DP

PRO HI-JACKER™ JACKING PLATES

- Locking Bars Allow One Wrench Adjust
- Mirror Finish
- Maximum 175 HP Outboards
- 4" Vertical Adjustment
- High Strength Aluminum – 3/8" Thick
- One-Piece Design – Top Adjust
- 6" Set back

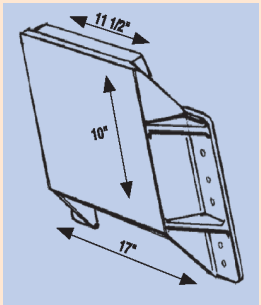
ORDER NO. 205-00600
Mfr. No. JP-6PW-DP



MINI-JACKER™

- "Clamp Style" Small Outboard Jack Plate
- Cast Aluminum Bracket
- Marine Grade Transom Block
- 4" Setback – 3" Vertical
- Max Wt – 150 lbs Max HP – 35

ORDER NO. 205-50001
Mfr. No. MJ-1-DP



For more information see:
www.thmarine.com

DOMETIC OUTDOOR

SEASTAR MANUAL JACK PLATES

The JP1000 Series Jack plate comes in 4", 6", 8", & 10" setbacks to help you find the best match for your boat and optimize performance.

FEATURES:

- Rated for max 200HP 4-stroke gasoline engines
- The interlocking slide guides offer enhanced strength while providing smooth, bind-free travel
- The lead screw assembly sets the plate height and the side locks are used to hold the position
- The stainless steel lead screw is resistant to corrosion and pre-greased for smooth operation

JP1060SS

JP1100SS

JP1060SS

Side Views

ORDER NO.	Mfr. No.	Legacy No.	Model	Description
942-1040SS	JP1040SS	400SS	4" Manual Jack Plate	4" Setback with Side Locks
942-1060SS	JP1060SS	600SS	6" Manual Jack Plate	6" Setback with Side Locks
942-1080SS	JP1080SS	800SS	8" Manual Jack Plate	8" Setback with Side Locks
942-1100SS	JP1100SS	1000SS	10" Manual Jack Plate	10" Setback with Side Locks

SEASTAR JACK PLATE MOUNTING BOLT KITS

ORDER NO.	Mfr. No.	Description
942-61250	DK6125	Bolt Kit, 1/2-20 UNC 2.5" Length, 4 Pack
942-61350	DK6135	Bolt Kit, 1/2-20 UNC 3.5" Length, 4 Pack
942-61450	DK6145	Bolt Kit, 1/2-20 UNC 4.5" Length, 4 Pack
942-61650	DK6165	Bolt Kit, 1/2-20 UNC 6.5" Length, 4 Pack

For more information see: www.dometic.com

DOMETIC OUTDOOR

DOMETIC SEASTAR XTREME JACK PLATES - 400 HP RATING

The SeaStar Xtreme Jackplates utilize high strength materials to be able to handle some of the strongest engine on the water. The heavy duty frames are capable of handling engines up to 400 horsepower. Designed with speed and durability in mind the Xtreme Jackplates can adjust the engine height in just 8.5 seconds, even while the boat is moving at full power.

FEATURES:

- Xtreme jackplate is using high strength materials and is easily capable of handling up 400 horsepower engines
- Rapid hydraulic response in 8.5 seconds
- Complete rigid engine support at full thrust
- Easily moves engine up or down at full thrust
- Smooth operation with composite bushings
- Easy wrench access to engine bolts from the side
- Compatible with all shallow water anchors
- High output integrated actuator to lift and lower engines in all conditions
- Environmentally sealed non-contact SmartStick position sensor kit available for precise height information
- Designed to maximize engine tilt with Dometic SeaStar steering cylinders
- High visibility lift scale for quick glance operation
- Integrated circuit breaker gives electrical protection right at the battery post
- All hydraulic Jackplates come with basic rocker switch DK4020

● ** NOTE: JP5040X requires adapter kit DK4600 for Power Pole® or Talon® anchor systems mounting*

Xtreme Jack Plates

ORDER NO.	Mfr. No.	Setbacks
944-50400-X*	JP5040X	4" Setback Xtreme
944-50600-X	JP5060X	6" Setback Xtreme
944-50800-X	JP5080X	8" Setback Xtreme
944-51000-X	JP5100X	10" Setback Xtreme
944-51200-X	JP5120X	12" Setback Xtreme

DOMETIC SEASTAR STANDARD JACK PLATES - 300 HP RATING

The SeaStar Standard Jackplate is one of the sleekest and most durable engine jackplate available. This essential performance accessory allows for higher speed, gains in fuel economy and the ability to run in shallow water. SeaStar Jackplate features sleek, bold styling that is redefining the look for jackplates. The SeaStar Jackplate is rated for 300 horsepower and it is designed to maximize engine tilt when used with SeaStar steering cylinders.

JP5100R

FEATURES:

- Our Standard Jackplate is easily capable of handling up to 300 horsepower gasoline engines
- Rapid hydraulic response in 8.5 seconds
- Complete rigid engine support at full thrust
- Easily moves engine up or down at full thrust
- Smooth operation with composite bushings
- Easy wrench access to engine bolts from the side
- Compatible with all shallow water anchors

● ** NOTE: JP5040R requires adapter kit DK4600 for Power Pole® or Talon® anchor systems mounting*

Standard Jack Plates

ORDER NO.	Mfr. No.	Setbacks
943-50400-R*	JP5040R	4" Setback Standard
943-50600-R	JP5060R	6" Setback Standard
943-50800-R	JP5080R	8" Setback Standard
943-51000-R	JP5100R	10" Setback Standard
943-51200-R	JP5120R	12" Setback Standard

DOMETIC OUTDOOR

PROTAP CONTROLLER

DOMETIC PROTAP JACKPLATE CONTROLLER

ProTap Controller takes the guesswork out of setting a jackplate height or engine trim everytime you get underway. Use ProTap to quickly recall your pre-memorized positions. works with any jackplate and trim control switch, and allows you to fine tune jackplate and engine trim predictably by moving both in set increments.

- Allows you to save your favorite engine trim and jackplate positions.
- Quickly loads your presets; no need to adjust your boat manually every time.
- Fine tuning is easy thanks to an intuitive controller
- Synchronizes two engines
- Provides 0-5 V jackplate height signal
- MFD integration
- CAN expandability

Reach Max Speed fast with a ProTap Controller in Bay/Bass-B Mode.

When you order a ProTap controller in B Mode you no longer need to look at the gauge or the back of the boat to adjust your jackplate or engine trim to your favourite position. Let ProTap memorize it for you.
Hold the ProTrim switch up or down for 1 second to recall the pre-memorized positions. Fine tune engine height and trim by quickly tapping on the ProTrim switch. Jackplate or trim will move in set increments.

Get up to your boat max speed before the competition does!

Engine Tilt Protection

In any mode, with trim sender connected directly or via NMEA 2000 network, ProTap will detect when you are moving engine to tilt range and move the jackplate up to a predetermined safe position.

You no longer have to worry about accidentally damaging steering, transom or the engine.

Dual Engine Support

ProTap controller will synchronize 2 jackplates to each other in any mode.

You no longer have to synchronize your engine position manually.

ORDER NO.	Mfr. No.	Description
942-04010	JC4010	ProTap Bay/Bass-Mode
942-04110	JC4110	ProTap & SmartStick Kit (No Gauge), Bay/Bass-Mode

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PRO-TRIM SWITCHES - For Super Fast Planing!

Pro-Trim is a "Bolt-on" for most Dometic steering systems.

Fingertip Trim Control

Trim control the way it's meant to be . . . at your fingertips. With Pro-Trim, you can keep both hands on the wheel and concentrate on your driving. Its clean, modern design looks at home in any cockpit and there are no cords to tangle around the steering wheel, a big plus for boats with hydraulic steering!

The Pro-Trim **single**-switch controls one function (engine trim or jackplate).
The Pro-Trim **dual**-switch controls two functions (trim and jackplate).
Pro-Trim fits any boat using one of the following Dometic steering systems.

- Safe-T mechanical steering
- Rack & Pinion mechanical steering
- NFB No FeedBack steering (all helms)
- SeaStar hydraulic steering
- SeaStar PRO hydraulic steering
- Command 200 Rack & Pinion
- BayStar
- Sport, Sport Plus or Classic Tilt Mechanism

ORDER NO.	Mfr. No.	Description
101-10000-2P	PT-1000-2P	ProTrim Switch - SINGLE Lever Function
101-20000-2P	PT-2000-2P	ProTrim Switch - DUAL Lever Function

FEATURES:

- Momentary-on switch is off in its center "at-rest" position; actuates in up and down directions
- UV-Stabilized ABS switch cover blends with dash
- Strong stainless steel bracket fits most steering systems and adjusts for regular or deep-dish wheels
- Heavy duty marine wiring harness, color-coded to match existing trim and jackplate wiring
- Durable Mylar® decals allow labelling of switch functions
- All mounting hardware and complete, user-friendly instructions included

For more information see: www.dometic.com

DOMETIC OUTDOOR

REPLACEMENT PARTS FOR SEASTAR JACK PLATES

FILL CAP
Replacement reservoir cap for all hydraulic pumps and actuators.

ORDER NO.	Mfr. No.
942-30040	DK3004

(DW0145)

EX-ZACT DIAL CONTROL KNOB
Replacement knob for EX-Zact Dial. Includes brass set screw.

ORDER NO.	Mfr. No.
942-30130	DK3013

TIE ROD KIT - STAINLESS STEEL
For integrated cylinder repair. 1/4-20 UNC x 10-3/16"L

ORDER NO.	Mfr. No.
942-60020	DK6002

HYDRAULIC ACTUATOR
For hydraulic jackplates from 2009-current units

ORDER NO.	Mfr. No.
942-30020	DK3002

ELECTRIC MOTOR
Electric motor for all pumps from 2002-current.

ORDER NO.	Mfr. No.
942-30030	DK3003

HARDWARE/STAINLESS STEEL

ORDER NO.	Mfr. No.	Qty
942-20040	DK2004	Pkg/5

Locking nut for lead screw on D2000 series

ORDER NO.	Mfr. No.	Qty
942-20050	DK2005	Pkg/5

Flat head cap screw for manual jackplate

ORDER NO.	Mfr. No.	Qty
942-30150	DK3015	Pkg/5

Flat head cap screw for hydraulic jackplate

EX-ZACT SENDER
Replacement 3-wire sender for EX-Zact Dial control systems

ORDER NO.	Mfr. No.
942-30060	DK3006

(DW0118)

PRO-TRIM SINGLE FUNCTION
Single lever Pro Trim unit for hydraulic jack plates.

ORDER NO.	Mfr. No.
101-10000-2P	PT1000-2P

(DW0046)

PRO TRIM - DUAL FUNCTION
Dual lever Pro Trim unit. One lever for the jack plate and the other for outboard tilt/trim.

ORDER NO.	Mfr. No.
101-20000-2P	PT2000-2P

BASIC ROCKER SWITCH
Included with Jackplate Harness.

ORDER NO.	Mfr. No.
942-40200	DK4020

SMARTSTICK AND GAUGE KIT

ORDER NO.	Mfr. No.
942-42200	DK4220

GAUGE AND HARNESS KIT

ORDER NO.	Mfr. No.
942-43200	DK4320

PREMIUM ROCKER SWITCH AND HARNESS
Replacement rocker switch and harness for hydraulic jack plates. Includes mounting hardware.

ORDER NO.	Mfr. No.
942-30110	DK3011

(DW0037)

HYDRAULIC WIRING HARNESS
Wiring harness for hydraulic jack plates. Compatible with all pumps and actuators.

ORDER NO.	Mfr. No.
942-30090	DK3009

(DW0002)

RELAY
Replacement relay for hydraulic jack plates. Includes mounting tab with grommet.

ORDER NO.	Mfr. No.
942-30100	DK3010

SENSOR BRACKET
Replacement bracket for all sensor units.

ORDER NO.	Mfr. No.
942-30120	DK3012

O-RING SEAL KIT
Replacement seals for jack plates with integrated cylinders up to 2008.

ORDER NO.	Mfr. No.
942-30140	DK3014

STABILIZER CLIPS (PK OF 2)
Keeps engine centered during trailering. Snaps over O/B hydraulic steering cylinder

ORDER NO.	Mfr. No.
942-00001	HYCL-001-1

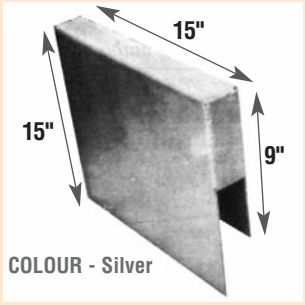
TRANSOM ACCESSORIES

TRANSOM ELEVATORS

Constructed of 3/16" aluminum. Allows long shaft engine to be used on short shaft boat transom.
Raises engine 5''. For all clamp on engines up to 40 HP.

For boats with 1-3/4" thick transom
ORDER NO. 098-00217

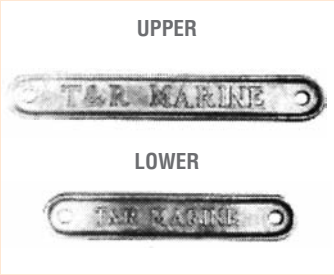
For boats with 2" thick transom
ORDER NO. 098-00218



TRANSOM BOLT SUPPORT PLATES

Cast aluminum with polished T&R Marine lettering. Prevents the bolts from working into the transom. Adds strength to transom, fits standard bia bolt pattern.

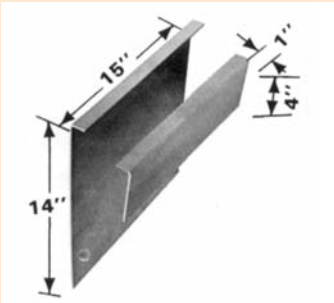
KIT - Upper and lower support plates
ORDER NO. 098-00090

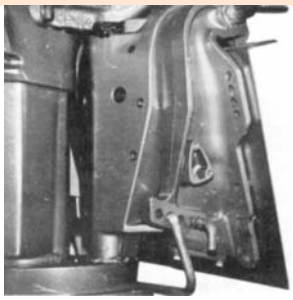


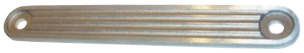
TRANSOM PROTECTOR

Two piece plated aluminum transom protector fits all transoms for added protection and strength. Easy to install and prevents mounting bolts from working into transom.

ORDER NO. 098-00030







TRANSOM SUPPORT PLATE

The Transom Support Plate is made of high quality cast aluminum. This plate distributes the stress of the motor mounting bolts to protect the transom. The plate can be furnished with your desired name in quantities of 50 or more. A generic plate with no lettering is standard.
ORDER NO. 205-21001
Mfr. No. TSP-1-DP

TRANSOM WEDGE

These Transom Wedges fit newer model OMC and Mercury engines. Bolt-on engines with factory installed tilt and trim. Cast aluminum construction allows for full, positive contact between engine bracket and transom.
2-1/4"W, 11-1/4" L Sold as pairs.
ORDER NO. 205-20002
Mfr. No. TW-2-DP

For more information see: www.thmarine.com

TRANSOM PAD

- Rubber pad is oil and weather resista
- Reduces motor vibration noise
- Fits most outboards to 25hp
- Protects transom

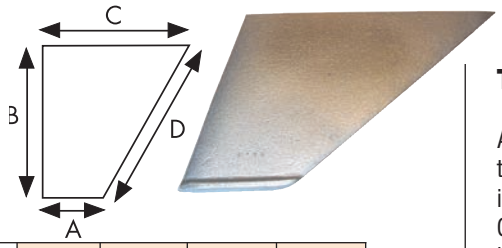
ORDER NO. 615-99073-10
Mfr. No. 099073-10

NEW!

For more information see: www.moellermarine.com

REPLACEMENT SKEG

- Solid Cast Aluminum
- Welds to Lower Units
- Easily Cut to Shape



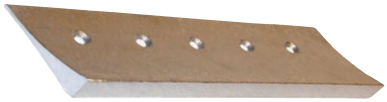
ORDER NO.	Mfr. No.	A	B	C	D
205-70001	RS-1-DP	5-1/2"	6"	10-1/4"	9"
205-70002	RS-2-DP	4-1/2"	5-3/4"	9-1/2"	10"
205-70003	RS-3-DP	4"	4-1/4"	7-1/2"	7"
205-70004	RS-4-DP	3-1/2"	6-1/2"	9-1/4"	10-1/2"

For more information see: www.thmarine.com

TORQUE TABS

A simple solution to eliminate or reduce right hand steering torque caused by directional rotation of propeller. The Torque Tab is inexpensive, simple to install, and does not reduce speed. Cast aluminum construction complete with installation hardware and instructions.

ORDER NO. 205-22001
Mfr. No. TAB-1-DP



STAINLESS STEEL REPLACEMENT NUTS FOR ALL STEERING LINK ARMS

A. 3/8" N.F. Nylon Lock
Stainless Steel Nuts (Thin)
Standard Pack- Ten (10) Per Package
ORDER NO. 098-00151

B. 3/8" N.F. Nylon Lock
Stainless Steel Nuts (Thick)
Standard Pack- Ten (10) Per Package
ORDER NO. 098-00152

C. 1/2" N.C. Standard Nut
Standard Pack- Ten (10) Per Package
For Engine Mounting Bolts
ORDER NO. 098-00157

For more information see: www.trmarine.com

ORDER NO.	Mfr. No.	Description	Pcs/Pack
756-00152	KT-022	Nuts, 3/8", N.F. Thick	10 Pk
756-00157	KT-023	Nuts, 1/2", N.C.	10 Pk

For more information see: www.handimanmarine.com

1/2" STAINLESS STEEL ENGINE MOUNTING BOLTS

The thread length is 1-1/2" on all bolts.
Standard pack two (2) bolts per package.

Description	Bolt Length	ORDER NO.
N.C. THREADS	5-1/2"	098-00153
N.C. THREADS	5"	098-00154
N.C. THREADS	4-1/2"	098-00155
N.C. THREADS	4"	098-00156
N.C. THREADS	3-1/2"	098-00158
N.C. THREADS	2"	098-00159

For more information see: www.trmarine.com

BOLT KIT FOR JACKING PLATES

• For Mounting Outboard to Plate

Kit Contains:

4 each 1/2" – 13 x 3" long bolts – stainless steel
4 each 1/2" – 13 lock nuts – brass with nylon insert
8 each 1/2" – flat washers – stainless steel

ORDER NO. 205-40001

Mfr. No. BK-1-DP

For more information see: www.thmarine.com

BOLT KITS FOR JACK PLATES

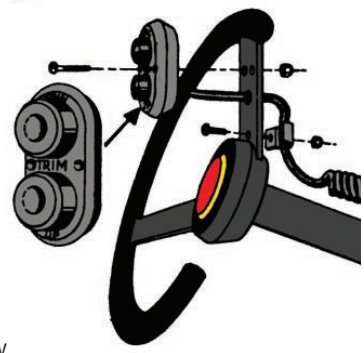
ORDER NO.	Mfr. No.	Description	Pcs/Pack
756-00010	KT-010	Jack Plate Motor Mount Kit	
756-00020	KT-020	Jack Plate Transom Mount Kit	
756-00023	KT-012	Bolt & Nut Kit	
756-00030	KT-030	Motor Mount Kit, Long	

KT-012

KT-010, KT-020, KT030
Packaged in Brown Box

For more information see: handimanmarine.com

STEERING TRIM CONTROL UNIT



This Steering Trim Control Unit is molded of black plastic with raised white letters to not only enhance boat appearance but also provide the ultimate in control of any high performance boat. The Steering Trim Control Unit mounts easily to steering wheel spokes to place engine trim control at your fingertips for maximum safety and ease of operation. The weatherproof, rubber-booted, push-button switches combined with a black urethane coiled cord provide a unit which will provide trim control without removing hands from steering wheel.

ORDER NO. 205-11001

Mfr. No. ST-1-DP Steering Trim Control Unit

TRANSOM TRIM CONTROL

This transom Trim Control provides a weatherproof tilt control system at the stern area of the boat to facilitate placing motor support in position with one person. Switch can also be used for remote adjustment of hydraulic jackplates. The switch housing is molded black plastic with raised white letters and may be mounted on any flat surface, comes with 18" pigtail wire and installation instructions.

ORDER NO. 205-20001

Mfr. No. TTC-1-DP Transom Trim Control

For more information see: www.thmarine.com

BOAT STORAGE LOCKING SYSTEM WITH ALARM PADLOCK

Loc-R-Bar Alarm System

Loc-R-Bar Alarm System, a full package of protection for your valuable fishing gear. Loc-R-Bar Alarm System is the best way to protect all of your equipment; Adjustable stainless steel security bars, solid aluminum mounting brackets and the innovative Loc – Alarm completes the system. When properly installed, Loc-R-Bar Alarm System secures all deck lockers by extending across the entire deck surface, gunwale to gunwale. Even if thieves break out your hatch locks, they will not be able to open the lockers to get to your equipment.

Loc-R-Bar Alarm System is a fully self-contained alarm system for your boat. No wiring, sensors or complicated installation required. A full package of protection for less than the cost of a quality rod and reel.

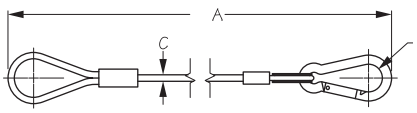
Full Storage Locking System includes an alarm padlock and mounting brackets. Great for securing compartments and rod lockers on Bass Boats, Bay Boats, Walleye Boats and selected aluminum boats. An optional compartment adapter is available for securing additional storage units with the same bar (Mfr. No. LB-ADAPTER/1A).

ORDER NO.	Mfr. No.	Description
205-98000	LB-LRBS113S	Loc-R-Bar™ Complete Alarm System
205-98000-1	LB-LCK110DBA	Loc-R-Bar™ Alarm Lock only

For more information see: www.thmarine.com

SPECIAL ORDER ITEM

OUTBOARD MOTOR SAFETY CABLE



Vinyl Coated Galvanized Steel Wire
- Comes complete with snap hook

ORDER NO.	Mfr. No.	A	B	C
423-71599	371599-1	4'-2"	11/16"	3/16"

For more information see: www.sea-dog.com

Have a Technical Question?

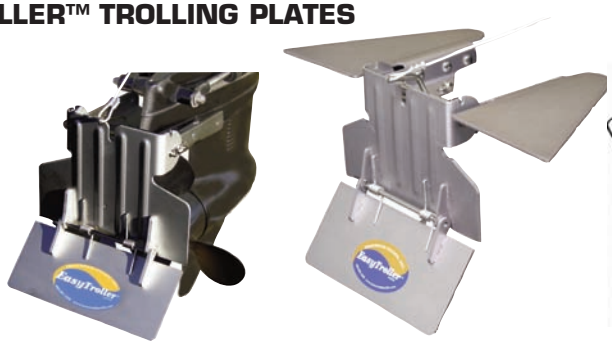
Contact our Technical Support Staff
email: techsupport@ccmarine.ca

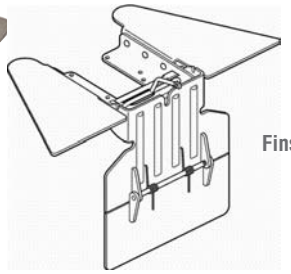
TROLLING PLATES

EASY TROLLER™ TROLLING PLATES

Ironwood Pacific OUTDOORS

Standard Model



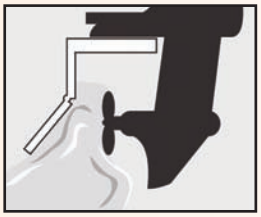


Fins Model

Innovative hinge design prevents bending!

The EasyTroller's patented hinge design prevents damage to the trolling plate under inadvertent acceleration. EasyTroller mounts directly to the cavitation plate and snaps down into place to slow the boat to an ideal trolling speed. If the boater inadvertently accelerates before raising the trolling plate, this hinged plate will simply flex and deflect the thrust downward rather than bending. Also available in a Fins Model with easy mount hydrofoil fins to help the boat plane more quickly and improve fuel efficiency. Made from all marine grade anodized aluminum and stainless steel.

Under power, prop thrust can bend or damage the typical trolling plate.



The EasyTroller plate flexes to divert the prop thrust downwards, preventing damage to the plate itself.

- Holds trolling speeds as low as 1 mph.
- Fits outboard & I/O motors from 50 HP to 300 HP
- Manufactured in the USA from marine grade anodized aluminum and stainless steel

ORDER NO.	Mfr. No.	Description
968-00161	016.1	Standard Model
968-00162	016.2	Fins Model

For more information see: www.ironwoodpacific.com

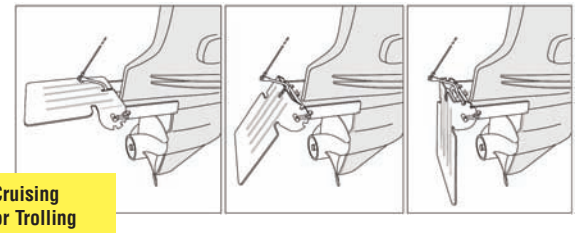
DAVIS®

HAPPY TROLLER / REPLACEMENT PARTS

HAPPY TROLLER® ***is the answer for Correct Trolling Speed***
Trolls even Big Motors Down to that "Ever so Slow," Fish-Tantalizing Speed.

- Use it year-round in all boating activities.
- Great for use in both salt and fresh water.
- Mounts on the anti-cavitation plate.
- Stainless steel hardware included.
- Made of highest quality stainless steel and marine aluminum, with clear anodized aluminum finish
- Installs in 15 minutes with included hardware
- Three-Position Design—Up, Middle and Down. Installation and operating instructions included.
- Upgraded Retail Packaging with more selling points
- Five Language Package, including English, French, German, Italian, Spanish

HAPPY TROLLER® For the Fisherman who thinks he has everything!



NEW DESIGN - With third notch added for Ultimate Trolling Control.

Locks in "Up" Position for Cruising
Locks in "Down" Position for Trolling
"Middle" Position for Added Flexiblity

ORDER NO.	Mfr. No.	Description	Fits
040-10000	461	Small Troller	Outboard motors 20 HP - 50 HP
040-20000	460	Large Troller	I/O's plus Outboard motors 50 HP & Up
040-00001	R460A	Replacement Backplate (Large)	Large Troller (040-20000)
040-14440	468	Happy Troller Parts Kit	

For more information see: www.davisinstruments.com

Lil'fella™ TROLLING PLATE

Little Brother to the Happy Troller®

- Fits all outboard motors up to and including 25hp
- Locks **"down" for trolling, "up" for cruising**
- Made of highest quality polycarbonates with stainless steel hardware imncluded
- Complete with full installation and operating instructions

ORDER NO.	Mfr. No.
040-04620	462

DOEL-FIN® HYDROFOIL

Doel-Fin® is the original hydrofoil developed by an aeronautical engineer to improve overall performance on all boats with outboard motors or outdrive units. Molded in 2 pieces of guaranteed unbreakable, high-strength plastic, each foil is designed to flex independently to absorb shock. The positive effects include greater stability, consistent planing at lower RPM, faster out-of-the-hole performance, steadier turns, higher top-end speeds and lower bow rise at all speeds.

- **Doel-Fin®** improves overall performance - even on boats with well designed hulls
- Save up to 30% on fuel comsumption
- Faster out-of-the-hole for happier water skiers
- Maintain lower planing speeds without constant throttle adjustment for wakeboarding, tubing or beginner skiers
- Less bow rise for better visibility and increased safety
- Simple 15-minute installation; hardware included

ORDER NO.	Mfr. No.
934-82200	440

WHALE TAIL XL® ALUMINUM STABILIZER AND SKI BOAT FIN

- Fits all I/O's and all outboards
- Pops up skiers in less time
- Smooths out ride in rough water
- Cuts down on porpoising and cavitation
- Stabilizes bow-light boats
- Increases top speed and fuel savings in most applications
- Water skiing's most versatile accessory
- Stainless steel attaching hardware furnished - installs in 15 minutes
- Mounts on the anti-cavitation plate
- Installation and operating instructions provided with each unit
- Marine grade aluminium with durable anodized finish
- Use the Whale Tail year around in all boating activities (salt and fresh water)

ORDER NO.	Mfr. No.
040-30000	448

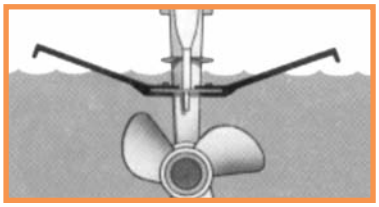
For more information see: www.davisinstruments.com

HYDRO-STABILIZER

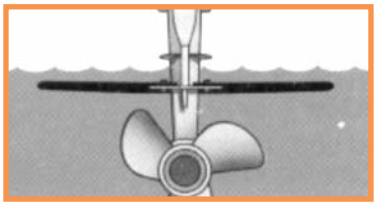
Gull Wing Design Hydrofoil

- Provides a smoother more stable ride & decreases porpoising
- Improves acceleration, ride and fuel economy
- Keeps your boat on plane at slower speeds
- Stainless steel mounting hardware included
- Easy to install

ORDER NO.	Mfr. No.	Description
109-94000*	9400-7	For Outboards and Stern Drives 50 HP and above
109-94010**	9401-4	For Outboards under 50 HP



Once you're on plane, most of the Attwood Hydro-Stabilizer is out of the water. Drag is reduced resulting in higher speed.



Ordinary, flat hydrofoils ride on or below the surface of the water, causing speed robbing drag.

*** Will not fit Volvo Penta 280/290 outdrives and BMW drives however, it will fit Volvo Penta 270 outdrive**
**** Will not fit Mariner 20 HP engines where the cavitational plate is too small for installation**

For more information see: www.attwoodmarine.com

HYDROFOIL STABILIZERS

Without StingRay

BENEFITS FROM EVERY STINGRAY™

- On plane in less time
- Reduced bow rise
- Eliminates Chinewalking
- Stops porpoising
- Wipes out cavitation
- Saves fuel
- Aids in pulling skiers

With StingRay

STINGRAY™ CLASSIC 2 SENIOR / JUNIOR / CLASSIC PRO

The StingRay™ Classic was developed over 20 years ago from the most advanced computer engineering of its time. This bolt-on hydrofoil has proved extremely reliable and has become the number one selling marine accessory of all-time! With a StingRay™ Classic 2 installed, boats get up on plane 50% faster, while bow rise is also reduced. Chinewalking, porpoising, and cavitation are no longer problems for boats with a StingRay™ Classic 2. For boaters wanting true stabilization, performance enhancement, and increased fuel efficiency from their hydrofoil, a StingRay™ Classic 2 Hydrofoil will satisfy and surpass expectations!

Eliminates Chinewalking

CLASSIC 2
Features NEW Upgrades to Styling & Texture

UPGRADED

ORDER NO. Classic 2 Senior	Description	ORDER NO. Classic 2 Junior
932-10000	StingRay™ Classic 2, Black	932-10001
932-20000	StingRay™ Classic 2, White	932-20001
932-30000	StingRay™ Classic 2, Grey	932-30001
	Classic PRO	
913-60001	StingRay™ **Classic PRO**, Black	
913-60002	StingRay™ **Classic PRO**, White	
913-60003	StingRay™ **Classic PRO**, Grey	

STINGRAY™ CLASSIC 2/ CLASSIC PRO / BOLT-ON MODEL COMPARISON

BOLT-ON INSTALLATION

Bolt-On Installation Hydrofoils have been a staple in the hydrofoil industry. The StingRay Classic product line has been providing boaters with excellent performance for 30+ years! Additionally, the NO-Drill Installation models now include optional-drill installation for added security. No matter which model you choose, be confident that you are protected with a Lifetime Satisfaction Guarantee!

CLASSIC 2 JUNIOR

ORDER NO. 932-10001 - Black
ORDER NO. 932-20001 - White
ORDER NO. 932-30001 - Grey

- Utilizes 4 bolts that secure the hydrofoil to the anti-cavitation plate
- Requires 4 drilled holes
- Designed for smaller engines and smaller boats
- **Recommended 9.9 HP-40 HP**

Rating (1=least, 10=most)

Lift = 4
Speed = 10
Stabilization = 4

UPGRADED

CLASSIC 2 SENIOR

ORDER NO. 932-10000 - Black
ORDER NO. 932-20000 - White
ORDER NO. 932-30000 - Grey

- Utilizes 4 bolts that secure the hydrofoil to the anti-cavitation plate
- Requires 4 drilled holes
- Designed to improve performance on all boat types
- **Recommended 40-300HP**

Rating (1=least, 10=most)

Lift = 8
Speed = 6
Stabilization = 7

UPGRADED

CLASSIC PRO

ORDER NO. 913-60001 - Black
ORDER NO. 913-60002 - White
ORDER NO. 913-60003 - Grey

- Utilizes 2 bolts that secure the hydrofoil to the anti-cavitation plate
- Requires 4 drilled holes
- Designed for boats needing extra stabilization
- **Recommended 40-300HP**

Rating (1=least, 10=most)

Lift = 9
Speed = 7
Stabilization = 10

For more information see: www.stingrayhydrofoils.com

STINGRAY™ STARFIRE HYDROFOIL

The StarFire is the World's First No-Drill hydrofoil that gives boaters the option to install it by drilling through the cavitation plate. Although we recommend the No-drill installation, if you choose to drill your engine, you will only drill 2 holes instead of the conventional 4 holes required by most competitors!
StarFire utilizes ribbed-neck pins rather than clunky nuts and bolts used by others.

- **No-Drill™ Installation**
- **Best Top-End Speed**
- **Best Fuel Savings**
- **Simplest, Quickest Installation**

- The super-sleek profile of the StarFire's wings combined with the streamlined No-Drill attachment create a hydrofoil that is ultra-thin, easy to install, and an incredible performance improvement
- Has a narrower and thinner swept back Delta-wing profile and has a unique, inverted trailing edge design to relieve drag
- Requires only 2 set screws for No-Drill installation
- High quality inlay graphics designed to resemble polished stainless steel won't scratch, tear, peel, or fade in the sun

ORDER NO.	Mfr. No.	Description
913-50001	STARFIRE-1	StarFire Stabilizer, Black
913-50002	STARFIRE-2	StarFire Stabilizer, White
913-50003	STARFIRE-3	StarFire Stabilizer, Grey

STINGRAY™ XR-III JUNIOR & XR4 SENIOR HYDROFOILS

Along with providing all of the StingRay™ Classic 2 performance benefits, the XRIII Junior & XR4 also provide the fastest hole shot in the industry! The unique design of this hydrofoil harnesses the prop-wash and redirects it into a powerful, thrust-enhancing cone. Improves top speed and gives boats greater fuel efficiency too! The enhanced styling of this hydrofoil projects a sporty and professional look for boaters wanting to improve performance without sacrificing value.

All of the StingRay™ Classic 2 Benefits **Plus** these unique features:

- **NO-DRILL™** mounting design
- Captive Prop-Wash resulting in fastest hole shot!
- Increased thrust enhancement
- Improved top speed
- Greater fuel efficiency
- Vision-3 enhanced styling

STINGRAY™ XR-III JUNIOR

StingRay™ XRIII Junior recommended for engines 40-75 HP

ORDER NO.	Mfr. No.	Description
913-11111	JR-XRIII-1	Stingray™ XRIII Junior Stabilizer, Black
913-21111	JR-XRIII-2	Stingray™ XRIII Junior Stabilizer, White
913-31111	JR-XRIII-3	Stingray™ XRIII Junior Stabilizer, Grey

STINGRAY™ XR4 SENIOR

NEW!

StingRay™ XR4 Senior recommended for engines 75-300 HP

ORDER NO.	Mfr. No.	Description
932-11110	SR-XR4-1	Stingray™ XR4 Senior Stabilizer, Black
932-21110	SR-XR4-2	Stingray™ XR4 Senior Stabilizer, White
932-31110	SR-XR4-3	Stingray™ XR4 Sennior Stabilizer, Grey

NOTE: Stingray™ XR4 Models replaces XRIII Senior models

XR4
Features NEW Installation & Upgraded Graphics

For more information see: www.stingrayhydrofoils.com

STINGRAY™ NO-DRILL MODEL COMPARISON

NO-DRILL INSTALLATION

NO-Drill Installation Hydrofoils were pioneered and patented by us! The goal was to create hydrofoils that could be installed without holes being drilled into the engine. The NO-Drill Installation method differs depending on which StingRay Hydrofoil model you choose, but each method requires zero drilling and allows for installation in under 10 minutes!

For the best, most robust installation, we recommend utilizing the optional-drill installation that has been enabled for each of these NO-Drill Hydrofoils. The optional-drill method requires half as many drilled holes as competition (2) and provides the best security for your hydrofoil!

HYPERFOIL - 500/RED
ORDER NO. 913-70500

- Utilizes 2 set screws that pinch the anti cavitation plate from each side
- Requires zero drilled holes
- Designed for top-end speed and professional bass boats
- Recommended 40-300HP

Rating (1=least, 10=most)

Lift = 4
Speed = 10
Stabilization = 4

STARFIRE
ORDER NO. 913-50001 - Black
ORDER NO. 913-50002 - White
ORDER NO. 913-50003 - Grey

- Utilizes 2 set screws that pinch the anti cavitation plate from each side
- Requires zero drilled holes
- Designed for top-end speed and performance upgrades for all boats
- Recommended 40-300HP

Rating (1=least, 10=most)

Lift = 7
Speed = 8
Stabilization = 6

STINGRAY XRIII Junior
ORDER NO. 913-11111 - Black
ORDER NO. 913-21111 - White
ORDER NO. 913-31111 - Grey

STINGRAY XR4 Senior
ORDER NO. 932-11110 - Black
ORDER NO. 932-21110 - White
ORDER NO. 932-31110 - Grey

- Utilizes sacrificial anode to pinch the unit onto the anti-cavitation plate
- Requires 4 drilled holes
- Designed for maximum lift on heavier boats and pontoons
- Recommended 40-75HP **(Junior)**
- Recommended 75-300HP **(Senior)**

Rating (1=least, 10=most)

Lift = 10
Speed = 4
Stabilization = 8

ACCESSORIES / TORQUE EQUALIZERS

Without Torque Equalizers

With Torque Equalizers

ORDER NO.	Mfr. No.	Colour
888-00001	TE-1	Black
888-00002	TE-2	White
888-00003	TE-3	Grey

TORQUE EQUALIZER installs on the underneath side of the Sting Ray Hydrofoil Stabilizer and is adjustable in 10° increments to achieve maximum effectiveness to solve your particular torque problems.

All boats react to propeller rotation causing a dangerous pull to one direction or the other. Fighting it can be very tiring to the boat's driver. StingRay™ provides the solution with Torque Equalizers.

StingRay™ Torque Equalizers, when placed on a StingRay™ Classic Senior or Junior, will reduce or completely eliminate dangerous steering torque on all boats. With a StingRay™ Hydrofoil Stabilizer and Torque Equalizers, boats track straight, are easier to control, safer to handle, and the driver's arm won't tire out after a day on the water.

By adjusting in 10° increments on the underside of the wings, Torque Equalizers provide superior leverage over auxiliary wedges or center mounted sacrificial anode torque tabs. In comparison, other solutions don't work nearly as well.

After one ride you'll know why Torque Equalizers are the premier solution for correcting bothersome steering torque.

For more information see: www.stingrayhydrofoils.com

PANTHER

OUTBOARD MOTOR LOCK

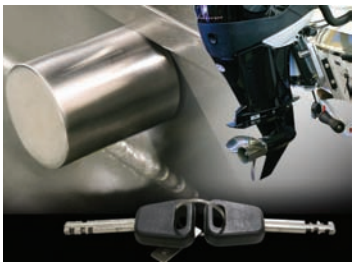
- 2 Security keys - Cannot be duplicated
- Anti-Drill protection - High Security
- Fits up to 1/2" (12mm) engine bolts
- Noise dampeners that reduce rattle

Mfr. No. 75-8201
ORDER NO. 947-58201

HIGH SECURITY BOLT-ON MOTOR LOCK

- 2 Security keys - Cannot be duplicated
- Polished 316 Stainless Steel
- Fits turnbuckle design
- Anti-Drill protection

Mfr. No. 75-8101
ORDER NO. 947-58101



PANTHER OUTBOARD MOTOR LOCK

Heavy duty steel tubing. The vinyl-clad steel tube slides easily over the motor lock downs and is secured with a hardened brass pad lock. The padlock is recessed to deter cutting. Comes with 2 keys.

- Heavy carbon steel design
- Fits turnbuckle mounted engines
- Recessed solid brass lock
- Noise dampeners that reduce rattle

Mfr. No. 75-8000
ORDER NO. 947-58000

For more information see: www.panthermarineproducts.com

FULTON

MARINE OUTBOARD MOTOR LOCK

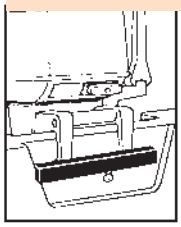
Mounts Over Outboard Mounting Clamp Handles

- Heavy-duty barrel key lock mechanism for maximum security
- Foam filler insert reduces noise and vibration
- Mounts on MOST outboard motors

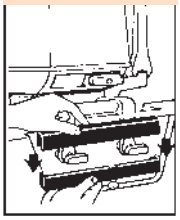
Mfr. No. OML 0127
ORDER NO. 125-01270

For more information see: horizonglobal.com

Attractive Appearance



Installs in Seconds



McGard

TAILGATE LOCK

- Designed for people who use their truck bed
- Strong, light weight,
- Stainless steel & polycarbonate construction
- No modifications to truck or tailgate required
- Once installed on the hinge, the lock never needs to be removed to open and close the tailgate

ORDER NO.	Mfr. No.	Application
716-76029	76029	**Chevrolet** - Avalanche 2007-2013, Colorado 2012 & 2015-2018 Silverado (except 2007 Classic) 2007-2018 **Dodge** - Dakota 1997-2011, Ram Full Size 1994-2018 **Ford** - Explorer Sport-Trac 2001-2010, Full Size 1997-2018, Ranger 1998-2011. **GMC** - Canyon 2012 & 2015 - 2018, Sierra (except 2007 Classic) 2007-2018 **Lincoln** - Mark LT 2005-2008 **Nissan** - Frontier 2012, Titan 2004-2018, Titan XD 2016-2018 **Toyota** - Tacoma 2012, Tundra 2000-2018

For more information see: www.mcgard.com

McGard

Point of Purchase Display
Help your customers find
McGard products quickly.
Free display comes packed with
10 of #716-74018
Stern drive locks.
Assembles in seconds.

ORDER NO. 716-74027
- Display with stock

Propeller Locks
Theft protection during use, storage and in transit. Features a free spinning collar, that will turn if attacked by gripping tools, without loosening the lock. Constructed of naval brass and hardened stainless steel for maximum protection.

For more information
see: www.mcgard.com

STERN DRIVE LOCKS

Theft protection for your stern drive, simply replace one of the stern drive mounting nuts or Volvo bolts with a McGard lock. Made of high quality stainless steel, through-hardened. Features free spinning collar that turns if attacked by gripping tools, without loosening the lock.

ORDER NO.	Mfr. No.	Thread	Application
716-74018 (Single Drive)	74018	7/16"-20	MerCruiser® Alpha, Bravo I-III (Incl. X & XR), Blackhawk, OMC Cobra & King Cobra Volvo SX, DP-S
716-74019* (Twin Drive)	74019	7/16"-20	MerCruiser® Alpha, Bravo I-III (Incl. X & XR), Blackhawk, OMC Cobra & King Cobra Volvo SX, DP-S

**Twin Drive sets include 2 locks and 1 key.*

OUTBOARD MOTOR LOCKS

ORDER NO.	Mfr. No.	Thread	Application
716-74036	74036	1/2"-20	Mercury/Mariner 40 HP and larger (2 stroke) Optimax 75 HP & larger, Mercury 25 HP and larger (4 stroke), V erado 135 HP & larger Suzuki 150 - 300 HP
716-74037	74037	M12x1.25	Yamaha 40 HP and larger (2 stroke) Yamaha 30 HP and larger (4 stroke) Honda 40 HP and larger Suzuki 25 - 140 HP (2005 and newer)
716-74038	74038	1/2"-13	Johnson/Evinrude 40 HP and larger (2 stroke)
716-74049	74049	5/16"-18	*Fits most of the following outboards: • Honda 8-30 HP • Johnson/Evinrude 6-30 HP • Mercury/Mariner 8-25 HP • Nissan 8-18 HP • Suzuki 8-30 HP • Tohatsu 8-18 HP • Yamaha 8-25 HP (Lock may fit some 2 strokes up to 30 HP, verify hole diameter) **Will fit other small outboards with a 5/16" hole in the transom bracket for mounting the motor (stainless steel bolt included in set).*
716-74054	74054	M12x1.75	• Nissan 25 HP and larger • Suzuki 25 - 140 HP (2004 and earlier) • Tohatsu 25 HP and larger • Johnson/Evinrude 40 HP and larger (4 stroke)

PROPELLER LOCKS

STERN DRIVE PROPELLER LOCKS

ORDER NO.	Mfr. No.	Thread	Application
716-74039	74039	3/4"-16	MerCruiser® Alpha I, Bravo I (Incl. X & XR), TRS, Vazer OMC Cobra and King Cobra
716-74040	74040	M18x1.5	All Yamaha
716-74053	74053	1"-14	MerCruiser® Bravo III (up to 2003), Blackhawk
716-74057	74057	M22x2.0	Volvo DP-S (Duo-Prop)
716-74058	74058	1"-14	MerCruiser® III SSM, IV SSM, V SSM, VI SSM, NXT

OUTBOARD MOTOR PROPELLER LOCKS

ORDER NO.	Mfr. No.	Thread	Application
716-74039	74039	3/4"-16	Mercury/Mariner 70 HP and larger (ex. 225 HP 4 stroke before 2005) Mercury Bigfoot 40HP, 50HP, 60HP (4 stroke), Optimax 75HP and larger, Verado 135 HP and larger Johnson/Evinrude 150 HP and larger (2 stroke)
716-74040	74040	M18x1.5	Honda 75 HP and larger Suzuki 40 HP and larger Yamaha 90 HP and larger Johnson/Evinrude 150 HP and larger (4 stroke)
716-74052	74052	5/8"-11	Johnson/Evinrude 40-140 HP (2 stroke) (Some 90 HP & 130 HP may have a 3/4-16 shaft)
716-74056	74056	M16x1.5	Nissan 40 HP and Larger Tohatsu 40 HP and Larger Honda 40-50 HP

SIERRA HI-PERFORMANCE "SYNTHETIC BLEND" LOWER UNIT GEAR LUBE

- Synthetic blended marine formulation reduces operating friction for increased performance and protection of gears, bearings and other gear case components.
- Recommended for use in high-performance and high-load operating conditions in both outboard and I/O lower units.
- Sierra Hi-Performance gear lube has been designed to surpass the performance of the O.E. Hi-Performance gear lubricants...for the finest product available demand Sierra Hi-Performance gear lube.
- GL-5 Rated

Replaces: Mercury (Quicksilver) Hi-Performance Blend, OMC (System Matched) Ultra-HPF Blend
Yamaha (Yamalube) LUB-GEARL-11-00

ORDER NO.	Mfr. No.	Description
018-96501	18-9650-0	10 oz. Tube (12 per case) (283.5g)
018-96503	18-9650-2	Quart (12 per case) (946ml)
018-96505	18-9650-5	5 Gallons (18.95L)
018-96506	18-9650-6	16 Gallons Drum (60L)
018-96507	18-9650-7	55 Gallons (208L)

SIERRA TYPE "C" GEAR LUBE

- Formulated for older model outboards and I/O's equipped with electric shift.
- Reduces friction and protects gears, bearings and other gearcase components.

Replaces: OMC (System Matched) Premium Blend

ORDER NO.	Mfr. No.	Description
018-96203	18-9620-2	Quart (12 per case) (946ml)
018-96205	18-9620-5	5 Gallons (18.95L)

SIERRA PREMIUM LOWER UNIT GEAR LUBE

- Recommended for all general marine applications requiring a GL-5 class lubricant.
- Ideal for replacing all old hypoid 90 application needs.
- Formulated for use in freshwater or saltwater conditions and all standard marine applications.
- Reduces friction and protects gears, bearings and other gearcase components.

Replaces: Mercury (Quicksilver) Premium Blend
OMC (System Matched) Hi-Vis Lubricant
Yamaha (Yamalube) LUB-GEARL-11-04

ORDER NO.	Mfr. No.	Description
018-96001	18-9600-0	10 oz. Tube (12 per case) (283.5g)
018-96009	18-9600-9	Kit Contains: (1) 018-97860 and (2) 018-96001
018-96003	18-9600-2	Quart (12 per case) (946ml)
018-96005	18-9600-5	5 Gallons (18.95L)
018-96007	18-9600-7	55 Gallons (208L)

SYNTHETIC GEAR LUBE

Specifically formulated to optimize gear life by reducing friction and providing superior wear protection in severe operating conditions. The unique synthetic formulation is shear stable and resists oxidation to ensure high performance over a wide range of ambient operating temperatures.

- API GL-5/MIL-L-210E

ORDER NO.	Mfr. No.	Volvo No.	Description	Case Qty.
018-96802	18-9680-2	1141679	1 Quart (946ml)	12
018-96805	18-9680-5	1141681	5 Gallons (18.95L)	
018-96807	18-9680-7	1141682	55 Gallons (208L)	

For more information see:
www.catalog.sierraparts.com

POWER TRIM & STEERING FLUID

Formulated for Volvo Penta Hydraulic Steering & Power Trim System

- Superior protection against rust & corrosion
- Resists oxidation for longer life
- Engineered superior performance at low temperatures
- *Replaces: Volvo 3851039*

NEW!

ORDER NO.	Mfr. No.	Size
018-97012	18-9701-2	1 Quart, 946 ml

FULL SYNTHETIC POWER STEERING FLUID

Formulated for Mercury Outboard Power Steering Systems

- Superior protection against rust & corrosion
- Resists oxidation for longer life
- Engineered superior performance at low temperatures
- Fluid formulated to readily mix with the fluid already in your system
- SAE 0W-30 - *Replaces: Mercury 92-858077K01*

ORDER NO.	Mfr. No.	Size
018-97022	18-9702-2	1 Quart, 946 ml

TCW3

PREMIUM 2-CYCLE

ORDER NO.	Mfr. No.	Description
018-95011	18-9500-1	Pint (12 per case) (473ml)
018-95012	18-9500-2	Quart (12 per case) (946ml)
018-95013	18-9500-3	Gallon (6 per case) (3.78L)
018-95014	18-9500-4	2.5 Gallon (2 per case) (9.46L)
018-95007 **	18-9500-7	55 Gallons (208L)

***Special Order*

Sierra TC-W3 is a high performance lubricant that has been manufactured and designed to meet and exceed all (Domestic & Import) engine manufacturers warranties. Exceeds JASO, ISO, API and NMMA, for advanced generation 2-Cycle lubricants.

- Ideal for oil injection systems or pre-mix applications.
- Significantly reduced aquatic toxicity to fish compared to other outboard oils on the market today.
- Reduces ring sticking, deposit formation and exhaust port blockage. Less friction allowing for easier starting.
- Formulated to improve performance and extend engine life by reducing wear on critical engine components.
- Ideal for today's high horsepower outboards that demand maximum performance.
- Excellent performance with lower quality fuels.
- Exceeds the industry standards established in 1997.
- Guaranteed and backed by our famous Sierra comprehensive warranty. (Will not void your engine manufacturer's warranty).

TC-W3 PREMIUM 2-CYCLE

DIRECT INJECTION, TC-W3

ORDER NO.	Mfr. No.	Description	OE	OE. No.
018-95303	18-9530-3	Gallon (3.78L)	Mercury Optimax BRP Ficht, DI	92-858037K01 - Yamaha HPDI, LUB-2STRK-M1-4 764354
018-95304	18-9530-4	2.5 Gallon (9.46L)	Mercury Optimax, Yamaha HPDI, E-TEC XD-50	
018-95306	18-9530-6	16 Gallons Drum (60L)		
018-95307	18-9530-7	55 Gallon(208L)	Mercury Optimax BRP Ficht,DI	92-858039K01 - Yamaha HPDI, LUB-2STRK-M1-55 777228

FULL SYNTHETIC TC-W3 2-STROKE OUTBOARD

018-95402	18-9540-2	Quart (964ml)	BRP E-Tec/Universal	—
018-95403	18-9540-3	Gallon (3.78L)	BRP E-Tec/Universal	764357
018-95407	18-9540-7	55 Gal. Drum	BRP E-Tec/Universal	777120

TC-W3- FULL SYNTHETIC

10W-30 FC-W® 4 STROKE MARINE OUTBOARD ENGINE OIL

10W-30 4 STROKE MARINE OUTBOARD ENGINE OIL is a highly refined petroleum product formulated with premium base stock and highly refined additives. Specifically formulated to meet or exceed the tough requirements of the Marine 4-Stroke motor manufacturers, Mercury, Yamaha, Johnson-Evinrude, Suzuki and Honda.

- Excellent anti-wear characteristics • Reduces friction
- Formulated to offer maximum corrosion protection
- Reduces sludge keeps engine cleaner for better efficiency
- Low temperature viscosity offers better cold starting
- Meets and exceeds quality performance API SJ, CF-2, CH-4, *NMMA, FC-W® Certified
- Guaranteed and backed by Sierra's famous comprehensive warranty. (Will not void your engine manufacturer's warranty).

ORDER NO.	Mfr. No.	Mercruiser No.	Description	Case Qty.
018-94202	18-9420-2	92-802833Q1	Quart (946ml)	12
018-94203	18-9420-3	92-802835Q1	Gallon (3.785L)	6
018-94207	18-9420-7	92-802836A1	55 Gallon(208L)	

Note: Catalyst Engine Oil is also a suggested replacement lubricant. *See page 1205*

018-94203

018-94202

25W-40 FC-W® 4 STROKE MARINE STERN DRIVE ENGINE OIL

25W-40 4 STROKE MARINE STERN DRIVE ENGINE OIL has been formulated to provide excellent lubrication and corrosion protection. Stern drive and inboard engines operate under high load and running stresses. This product is developed for the marine environment and will out perform standard 4-cycle automotive engine oils. Sierra's 25W-40 oil offers excellent detergency, anti-oxidants, antiwear, and corrosion protection. The benefits to your engine are reduced wear to the internal components, protection of internal parts from corrosion, cleaner pistons, and prevention of ring sticking. Excellent low temperature operating properties. Meets or exceeds quality performance API SJ, CF-4, CH-4. Recommended for use in Mercruiser and OMC.

- Guaranteed and backed by our famous Sierra comprehensive warranty. (Will not void your engine manufacturer's warranty)

ORDER NO.	Mfr. No.	Mercruiser No.	Description	Case Qty.
018-94002	18-9400-2	92-802837Q1	Quart (946ml)	12
018-94004	18-9400-4	92-857389A1	5 US Quart (4.7L)	4
018-94000-30	18-9400-30	N/A	30 Gallon (113.6L)	
018-94007	18-9400-7	92-802841A1	55 Gallon (208L)	

**NMMA FC-W® Certified*

018-94004

Note: Catalyst Engine Oil is also a suggested replacement lubricant *See Page 1205*

15W-40 HEAVY DUTY MULTI-VEHICLE ENGINE OIL

GAS/DIESEL APPLICATIONS

This oil is specifically formulated for the heavy duty inboard marine market, including cruisers and towboats calling for a 15W-40.

- Meets API Service classification up to CW-4
- Meets the performance specifications for the API service classification SM
- Premium base stocks and additive package ingredients places Sierra Heavy Duty at the leading edge of lubrication technology
- Suitable for fuels on any sulfur level
- Not for use in gasoline engines equipped with catalytic converters
- Replaces: Shell Rotella T4, Delo 400, Mercruiser, Indmar, Pleasurecraft, Crusader, Volvo Penta, Mastercraft

ORDER NO.	Mfr. No.	Indmar No.	Description	Case Qty.
018-95542	18-9554-2	872005	Quart (946ml)	12
018-95544	18-9554-4	872006 (7QT)	5 Quart (4.7 L)	4
018-95545	18-9554-5	-	5 Gallon (18.95L)	
018-95547	18-9554-7	-	55 Gallon (208L)	

5W-30 SEMI-SYNTHETIC FC-WCAT ENGINE OIL

Our 5W-30 Semi-Synthetic is an ultra-high performance engine oil that utilizes premium base stocks and industry leading additives.

- Meets and or exceeds FC-W Catalyst and FC-W specifications
- Proprietary additive package
- Enhanced detergent package to suspend and prevent sludge
- Reduces friction to maintain high performance
- Prevents thermal and oxidation break down under extreme temperatures
- High shear stability maintains viscosity to prevent excessive thinning in high performance applications
- Advanced ZDDP additive technology prevents phosphorus depletion extending catalyst life while maintaining anti-wear protections
- Meets or exceeds API SM category requirements
- Replaces: Honda, Indmar, Ilmor, PCM

ORDER NO.	Mfr. No.	Indmar No.	Description	Case Qty.
018-95552	18-9555-2	872003	Quart (946ml)	12
018-95554	18-9555-4	872004 (7QT)	5 Quart (4.7 L)	4
018-95557	18-9555-7	-	55 Gallon (208L)	

5W-30 FULL SYNTHETIC FC-WCAT ENGINE OIL

A full synthetic 5W-30 is an ultra-high engine performance oil that utilizes premium base stocks and industry leading additives.

- Meets and or exceeds FC-W Catalyst and FC-W specifications
- Proprietary additive package
- Enhanced detergent package to suspend and prevent sludge
- Reduces friction to maintain high performance
- Prevents thermal and oxidation break down under extreme temperatures
- High shear stability maintains viscosity to prevent excessive thinning in high performance applications
- Advanced ZDDP additive technology prevents phosphorus depletion extending catalyst life while maintaining anti-wear protections
- Meets or exceeds API SM category requirements
- Replaces: Yamalube, Mercruiser, Indmar, Mobile 1, Ilmor, Indmar, PCM, Mastercraft

ORDER NO.	Mfr. No.	Volvo No.	Description	Case Qty.
018-95582	18-9558-2	550022689	Quart (946ml)	12
018-95584	18-9558-4	550046126	5 Quarts (4.7L)	4
018-95587	18-9558-7	-	55 Gallon (208L)	

For more information see:
www.catalog.sierraparts.com

25W-40 FC-W SYNTHETIC BLEND ENGINE OIL

This 4-cycle oil is blended with premium grade synthetic and mineral based stock combined with superior designed additives formulated for the stress endured by sterndrives and inboard engines.

- Superior corrosion protection
- Advanced lubrication for reduction of wear to internal engine components
- Outstanding friction reduction and wear protection
- Removes thermal breakdowns under high RPM's extreme temperatures and loads
- Extensively tested for outstanding performance
- NMMA FC-W® Certified/API-SL.

ORDER NO.	Mfr. No.	Mercruiser No.	Description	Case Qty.
018-94402	18-9440-2	92-883724K01	Quart (946ml)	12
018-94404	18-9440-4	92-883725K01	5 Quart (4.7 L)	4
018-94407	18-9440-7	92-858057K01	55 Gallon (208L)	

Note: Catalyst Engine Oil is also a suggested replacement lubricant see page 1205

10W-40 FC-W SEMI-SYNTHETIC ENGINE OIL

- Compliments current offering of motor oils to give Sierra a direct Suzuki replacement oil.
- Semi-Synthetic formulation for superior protection under high loads and operating stress.
- Offered in quart, gallon, 16 gallon and 55 gallon drums.
- NMMA FC-W® Certified/API-SL.

ORDER NO.	Mfr. No.	Suzuki No.	Description
018-95512	18-9551-2	990C0-10W40-1QT	1 Quart (946ml)
018-95513	18-9551-3	990C0-10W40-1GL	1 Gallon (3.785L)
018-95516	18-9551-6	-	16 Gallon (60L)
018-95517	18-9551-7	-	55 Gallon (208L)

25W-40 SYNTHETIC BLEND 4-STROKE OUTBOARD OIL

This oil is blended with premium grade synthetic and mineral based stock combined with superior designed additives formulated for the extreme rigors of the marine environment.

- Superior corrosion protection
- Advanced lubrication for reduction of wear to internal engine components
- Minimized piston ring deposits
- Extensively tested for outstanding performance
- NMMA FC-W® Certified/API-SL.

ORDER NO.	Mfr. No.	Mercury No.	Description	Case Qty.
018-94403	18-9440-3	92-883723K01	4 Litre (4.2224 qt.)	6
018-94408	18-9440-8	92-883722K01	1 Litre (1.0556 qt.)	12

25W-50 FC-W SYNTHETIC MARINE ENGINE OIL

- For use in supercharged Mercury Verado
- Offered in liter, 4 liter and 16 gallon containers
- Semi-Synthetic formulation for superior protection under high loads and operating stress.
- NMMA FC-W® Certified/API-SL

ORDER NO.	Mfr. No.	Mercury No.	Description	Case Qty.
018-95523	18-9552-3	92-858084K01	4 Litre (4.2224 qt)	6
018-95528	18-9552-8	-	1 Litre (1.0556 qt)	12

SAE 30 FULL SYNTHETIC MARINE ENGINE OIL

A special bland of synthetic base oil and a balanced additive system that exceeds the FC-W requirements for marine engine oils.

- Recommended for gasoline and diesel inboard and sterndrive engines
- Superior engine protection during startups, operation and storage
- Reduces friction and wear for extended engine life
- Longer lubrication effectiveness than mineral oils
- Reduces oil consumption and improves fuel economy
- API-CF/SL

ORDER NO.	Mfr. No.	Volvo No.	Description	Case Qty.
018-94102	18-9410-2	3842343	1 Quart (946ml)	12
018-94104 *	18-9410-4	3842344	5 Quarts (4.7L)	4
018-94107	18-9410-7	3858061	55 Gallon (208L)	

***Convenient 5 qt. Container**

25W-40 CATALYST ENGINE OIL

These oils have been specifically designed to meet the unique requirements of modern 4-Stroke recreational engines with or without emission catalyst systems.

- Approved for all 4-Stroke applications including Outboard, Sterndrive and Inboard. Exceeds all 4-Stroke requirements including FC-W and FC-W Cat Compatible.
- Formulated to offer maximum corrosion protection
- Advanced lubrication for extended engine life and wear protection
- Capitalizing "ZDDP" anti-wear additive technology to prevent phosphorus depletion and extend the emission catalyst life
- NMMA FC-W® Certified
- **Formulated for INBOARD & STERNDRIVE ENGINES**

ORDER NO.	Mfr. No.	Size	Case Qty.
018-94002-CAT	18-9400CAT-2	Quart (946ml)	12
018-94004-CAT	18-9400CAT-4	5 Quart (4.7 L)	4
018-94007-CAT	18-9400CAT-7	55 Gallon (208L)	Drum.ea

10W-30 CATALYST ENGINE OIL

These NMMA FC-W Catalyst Compatible Engine Oils have been specifically designed to meet the unique requirements of modern 4-stroke recreational engines with or without emission catalyst systems.

- Approved for all 4-Stroke applications including Outboard, Sterndrive and Inboard. Exceeds all 4-Stroke requirements including FC-W and FC-W Cat Compatible.
- Provides superior corrosion protection under extreme conditions
- Industry leading wear protection and deposit control
- Capitalizing "ZDDP" anti-wear additive technology to prevent phosphorus depletion and extend the emission catalyst life
- NMMA FC-W® Certified
- **Formulated for OUTBOARDS**

ORDER NO.	Mfr. No.	Size	Case Qty.
018-94202-CAT	18-9420CAT-2	Quart (946ml)	12
018-94203-CAT	18-9420CAT-3	1 Gallon (3.78 L)	6
018-94207-CAT	18-9420CAT-7	55 Gallon (208L)	Drum.ea

25W-40 SYNTHETIC BLEND CATALYST ENGINE OIL

A special blend specifically designed to meet the unique requirements of modern 4-stroke recreational engines with or without emission catalyst systems.

- Minimizes corrosion that is formed inside the engine.
- Displays enhanced detergent and dispersants properties to suspend and prevent engine sludge formation
- Industry leading wear protection and deposit control
- Prevents excessive thinning under extreme performance operations
- Capitalizing "ZDDP" anti-wear additive technology to prevent phosphorus depletion and extend the emission catalyst life
- NMMA FC-W® Certified
- **Formulated for INBOARD & STERNDRIVE ENGINES**

ORDER NO.	Mfr. No.	Size	Case Qty.
018-94402-CAT	18-9440CAT-2	Quart (946ml)	12
018-94404-CAT	18-9440CAT-4	5 Quart (3.78 L)	4
018-94407-CAT	18-9440CAT-7	55 Gallon (208L)	Drum.ea

20W-40 FC-W 4-STROKE MINERAL OUTBOARD ENGINE OIL

- Formulated to protect your engine in the most demanding marine conditions
- Developed to replace the 10W-30 in warmer climates
- Meets or exceeds OE specifications for outboard oil
- Advanced additive package to prevent rust and corrosion, breakdown under high RPM and maximum load conditions

ORDER NO.	Mfr. No.	Size	Case Qty.
018-94502	18-9450-2	Quart (946ml)	12

For more information see: www.catalog.sierraparts.com

SYNTHETIC OIL 10W30

Formulated specifically for 4-stroke outboard and sterndrive engine technology. A special blend of synthetic base oil and a balanced additive system that exceeds the FC-W requirements for marine engine oils. Recommended for use in both outboard and sterndrive applications. Offers faster lubrication at start up in low temperatures, excellent protection at high temperatures, and greater resistance to oxidation for lower oil consumption.

ORDER NO.	Mfr. No.	Volvo No.	Description	Case Qty.
018-96902	18-9690-2	—	1 Quart (946ml)	12
018-96903	18-9690-3	—	1 Gallon	6

NMMA FC-W Certified / API-SL

FULL SYNTHETIC CATALYST 10W40 4-STROKE ENGINE OIL

Specifically desiged to meet the unique requirements of modern 4-Stroke recreational engines with or without emission catalyst systems.

- Application: All high performance Volvo/Penta Inboard engines
- Display enhanced detergency & dispersancy properties to suspend & prevent engine sluge formation
- Industry leading wear protection & deposit control for extended engine life at both high & low temperatures
- Employs highly shear stable viscosity stabilizers to prevent excessive thinning under extreme performance operations
- Capitalizes on advanced highly thermally stable "ZDDP" anti-wear additive technology to prevent phosphorus depletion & extend the emission catalyst life while still providing excellent anti-wear protection

NEW!

ORDER NO.	Mfr. No.	Volvo No.	Description	Case Qty.
018-9559CAT-2	18-9559CAT-2	—	1 Quart (946ml)	12
018-9559CAT-3	18-9559CAT-3	—	1 Gallon (3.78L)	6
018-9559CAT-7	18-9559CAT-7	—	55 Gallon (208L)	Drum.ea

NMMA FC-W Certified / API-SL

15W-40 DIESEL ENGINE OIL

- First diesel oil offered by Sierra.
- Meets the following manufactures specifications: Volvo VDS-3; Cummins CES20078, CES20077, CES20076; Detroit Diesel DDC93D214; CAT ECF-2, ECF-1; Global DHD-1.
- Increased detergency to fight soot and carbon deposits.
- Certified to API CI4-Plus rating. Meets the highest standards of diesel oil in the marine industry

ORDER NO.	Mfr. No.	Mercury No.	Description	Case Qty.
018-95533	18-9553-3	92-858042K01, Q01	1 Gallon (3.785L)	6

OIL MAINTENANCE KITS

• All inclusive packages with oil, oil filter, drain gasket, funnel, service label, & shop towel. (May contain Fuel Water Separator) • For the DIYer/Shop with limited space

NEW!

ORDER NO.	Mfr. No.	Application	Engine Oil Type (Included in Kit)
018-92210	18-9221	Mercury 4-Stroke, 4 Cyl. O/B Engines	10W-30 FC-W Catalyst Compatible
018-92220	18-9222	Mercury Verado Engines	25W-40 FC-W Catalyst Compatible
018-92230	18-9223	Mercury 200-400R Verado O/B Engines	25W-40 FC-W Synthetic Catalyst Compatible
018-92240	18-9224	Volvo Penta 4.3L, 5.0L, 5.7L, & 8.1L	10W-40 Full Synthetic Catalyst Compatible
018-92250	18-9225	Volvo Penta 4.3L, 5.0L, 5.7L, 7.4L, & 8.1L	10W-40 Full Synthetic Catalyst Compatible
018-92260	18-9226	Suzuki DF150-DF350 O/B Engines	10W-40 FC-W Semi Synthetic
018-92270	18-9227	Suzuki DF25-60A O/B Engines	10W-40 FC-W Semi Synthetic
018-92290	18-9229	Mercury 1.7L 75-115HP EFI O/B 2006-2015	25W40 FC-W4 4-Stroke Catalyst
018-92300	18-9230	Mercury 3.4L V6 175-225HP, 4.8 V6 250-300 O/B	10W-30 FC-W 4-Stroke Catalyst
018-92340	18-9234	Mercury 4.3L GM Short Block w/o Remote Oil	25W40 FC-W4 4-Stroke Catalyst
018-92350	18-9235	Mercury In-Line 4 & 6 cyl., V6 w/ Remote Oil, 5.0L, 5.7L, 6.2L V8 Small Block	25W40 FC-W4 4-Stroke Catalyst
018-93940	18-9394	Yamaha F75-F115 O/B Engines	20W-40 FC-W Premium Blend
018-93950	18-9395	Yamaha F150-F200 O/B Engines	20W-40 FC-W Premium Blend
018-93960	18-9396	Yamaha F200-F250 O/B Engines	20W-40 FC-W Premium Blend
018-93970	18-9397	Yamaha F30-F70 O/B Engines	20W-40 FC-W Premium Blend
018-92170	18-9217	Yamaha F225 to F300 4.2L (All Years)	10W-30 FC-W 4-Stroke Oil
018-93990	18-9399	Yamaha VF200, VF225, VF250 (All Years)	5W-30 FC-W Semi-Synthetic Catalyst Compatible
018-00030	18-0003	Disposable Funnel ONLY	

SIERRA PRO PERFORMANCE GREASE

- Specifically formulated for marine applications
- Premium lithium formulation for optimum corrosion protection in freshwater and saltwater applications
- Ideal for marine trailer wheel bearings, universal joints, and outdrive pivot joints
- Operating Temp: -40˚F - 350˚F

018-92000-1

ORDER NO.	Mfr. No.	Description
018-92000-0	18-9200-0	8 oz. Tube (226.8 g) (12 per case)
018-92000-1	18-9200-1	15 oz. Cartridge(425.2g) (10 per case)
018-92000-2*	18-9200-2	3 oz. (85.05g) Cartridge (Pkg. of 2)
018-92000-4*	18-9200-4	3 oz. (85.05g) Cartridge (Pkg. of 4)

Display Packaged

SIERRA HYDRO DEFENSE MARINE GREASE

- Prohibits rust and corrosion
- Prevents wear against the most extreme friction in marine applications
- Will not break down in marine conditions
- Contains PTFE for minimum wear and added friction protection
- For use on prop shafts, trailer bearings, throttle and shift cables and linkage, swivel pins and more!

Mfr. No. 18-9240-1 **ORDER NO. 018-92401**
14 oz. Cartridge

For more information see:
www.catalog.sierraparts.com

HEAVY DUTY MOTOR OIL

Castrol HD 30 and HD 40 are premium monograde oils engineered for greater protection against thermal breakdown.

- Provides maximum wear protection in warm climates
- Use HD 40 when ambient temperature is above 60ºF
- Use HD 30 when ambient temperature is above 40ºF
- Exceeds API SM, SL & SJ performance for passenger cars and light trucks
- Formulated to surpass the engine protection requirements for Ford ESE-M2C153 G and F, GM 6085M, Chrysler MS-6395M

ORDER NO.	Mfr. No.	SAE Grade	Size
101-56701	01567-42	HD 30	1 Litre

DOMESTIC MULTI-VEHICLE ATF - AUTOMATIC TRANSMISSION FLUID

It's More Than Just Oil, It's Liquid Engineering™

- For use in older Ford and General Motors vehicles.
- Enhanced friction durability for smooth transmission performance.
- Meets DEXRON®-III H requirements. Also satisfies requirements of DEXRON®, DEXRON®-III, II-E and II. Do not use this ATF in applications calling for DEXRON®-IV.
- Meets MERCON® requirements. May also be used in power steering applications where MERCON® is required. Do not use this ATF in applications calling for MERCON® V or MERCON® SP. Use Castrol Type F ATF in applications calling for Type F.

ORDER NO.	Mfr. No.	Size
100-66801	00668-42	1 Litre

CASTROL GTX - Maximum protection against sludge build-up

Castrol GTX is the only motor oil formulated with patented viscosity modifier and proprietary additive package that efficiently and effectively fights sludge. Castrol GTX uses unique shear stable viscosity improvers and exceeds demanding U.S. high shear and stay-in-grade requirements for viscosity breakdown protection.

- Maximium protection against sludge build-up
- Maximium protection against both viscosity and thermal breakdown
- Superior detergency that helps prevent deposits
- Advanced anti-wear additives that help extend engine life
- Exceeds passenger car and light truck manufacturers' warranty requirements for the protection of gasoline and turbocharged engines where API SM, SL, SJ or SH is recommended

ORDER NO.	Mfr. No.	SAE Grade	Size
100-01142	00011-42	5W-30	12 x 1 Litre (Case)
100-01242	00012-42	10W-40	12 x 1 Litre (Case)
100-01342	00013-42	10W-30	12 x 1 Litre (Case)
100-01442	00014-42	20W-50	12 x 1 Litre (Case)

For more information see:
www.wakefieldcanada.ca

LUBE PUMP 5 U.S. GALLON (18.85 LITRES)

For filling lower units on outboards and stern drives. Designed for use with our 018-96005, 018-96205 & 018-96505 Gear lube.

ORDER NO. 018-97880

ADJUSTABLE BARREL PUMP

For 16 thru 55 gallon drums.

ORDER NO. 018-97840

LUBE GUNS

GREASE GUNS

Allows easy access to grease fittings, heavy duty all steel construction for dependable, long service life. Use with our 018-92000-0 (15 oz), 018-92000-2 (3 oz) (2 pk), and 018-92000-4 (3 oz) (4 pk) Pro Performance Grease (See Page 1207).

ORDER NO.	Size
018-97830*	3 oz.

*** Display Pack**

GREASE GUN - HEAVY-DUTY FLEX HOSE

- Designed for hand operated or pneumatic grease guns.
- Ideal for hard to reach grease fittings
- 12" length
- Heavy-duty with flex hose

ORDER NO. 018-98040* *** Display Pack**

EASY LUBER

- Ideal for quick and easy lube jobs using squeeze tubes
- Compact size, perfect for under seat and tackle box storage
- Use with all 10 oz. gear lube tubes

ORDER NO. 018-97850

GEAR LUBE PUMPS

GEAR LUBE PUMP KIT - UNIVERSAL

- For use with standard or wide mouth bottles
- Includes adapters for all major outboard engine manufacturers
- Premium construction with aluminum fittings for long life

ORDER NO.	Mfr. No.
018-97790	18-9779

HIGH PERMORMANCE GEAR LUBE KIT

NEW!

- Complete retail kit that includes one quart of Mfr. No. 18-9650-2 (CC Order No. 018-96503) synthetic blend gear oil, oil pump, & the attachments to fit most outboard and sterndrive applications.
- Recommended for use in high performance and high load operating conditions in both outboard & I/O lower units"
- Pump fits most quart bottles with small mouth.

ORDER NO.	Mfr. No.
018-96502-QP	18-9650-2QP

For more information see: www.catalog.sierraparts.com

GEAR LUBE KIT

ORDER NO.	Mfr. No.	Kit Contains
018-96009	18-9600-9	(1) 018-97860 Lower unit fill tube and (2) 018-96001 10 oz. tube, lower unit gear lube

SEA-DOG LINE
QUALITY MARINE GEAR

LOWER UNIT STANDARD PUMP

Nylon Pump with Plastic Fitting

Standard pump fits quart bottles.
Flexible hose gets to hard to reach areas.
Includes Yamaha adapter. Fits most motors.

ORDER NO.	Mfr. No.	Description
425-02150-1	502150H-1	Lower Unit Standard Pump w/ Yamaha Adapter
425-02159-1	502159-1	Yamaha Adapter

LOWER UNIT DELUXE PUMP

Nylon Pump with Metal Fitting

Deluxe pump fits quart oil bottles.
Flexible hose gets to hard to reach locations.
Includes Yamaha adapter.
Metal threaded fitting fits most motors.

ORDER NO.	Mfr. No.	Description
425-02155-1	502155H-1	Lower Unit Deluxe Pump w/ Yamaha Adapter
425-02159-1	502159-1	Yamaha Adapter

For more information see: www.sea-dog.com

MOELLER marine products

LOWER UNIT PUMP - PLASTIC FITTING

Fits Outboards & Stern Drives with 3/8-16 threaded screws.

Johnson/Evinrude, Mercury/Mariner,
Suzuki 25 hp and larger, Yamaha 8 hp and larger.

For more information see: www.moellermarine.com

ORDER NO.	Mfr. No.
801-42905	042905

GEARCASE FILLER

CDI Electronics

551-000333

The new 3 gallon design filler makes it easier to fill or flush gearcases. Translucent plastic container allows you to check tank oil level. Sturdy tear-drop design resists tipping over. Now housed in a splash pan bottom further preventing tipping. Includes the check valve venting system. The check valve on the vent allows you to remove the filler nozzle without loosing any appreciable amount of lubricant. Now has a molded collar to hold filler hose gearcase fillers out of the way. Replaces 551-33GF and Stevens S33.

ORDER NO. 551-000333
Mfr. No. 551-33-1

For more information see: www.cdielectronics.com

FILLER VENT CHECK VALVE

Calibrated check valve creates airlock to keep lube from running out while you install drain plug. Includes a 4' hose.
A must for all shops! Included with #551-000333.
ORDER NO. 551-000332 Mfr. No. 551-33CV

551-000332

REPLACEMENT HOSE ASSEMBLY

Includes hose, clamp, shutoff valve and threaded tip,unthreaded tip for CDI & Stevens. Unique hose design can be used on other gearcase fillers.
ORDER NO. 551-000334 Mfr. No. 551-33HA

551-000334

551-00334-V

551-00334-M

551-00334-S

REPLACEMENT ADAPTERS FOR GEARCASE FILLER

ORDER NO.	Mfr. No.	Description
551-00334-B	551-334B	Adapter, Mercruiser
551-00334-K	551-334K	Adapter Kit, Includes 551-334M, 551-334S, 2551-334V, 551-33TN, 551-33UN
551-00334-V	551-334V	Adapter, Volvo
551-00334-M	551-334M	Adapter, Metric
551-00334-S	551-334S	Adapter, Suzuki
551-00033-VA	551-33VA	Replacement Valve Assembly

551-00334-K

OIL EXTRACTORS

THE EASIEST OIL CHANGE THAT YOU'LL EVER DO AND YOU WON'T SPILL A DROP!

PELA 2000 OIL EXTRACTOR 2.5 L

A mini version of our popular PELA 6000. Designed for those who have small jobs but who don't want to pay the higher prices of our bigger pumps. Ideal for small 4-strokes up to 50 HP and sailboats with small diesel engines (9 HP to 18 HP). Just pump 5 to 10 times in a row to create a powerful vacuum. Then watch the oil drain into the container. Pump is removable.

ORDER NO. 514-02000

PELA PRO 14 OIL EXTRACTOR 14 L

Finally, a unit designed for bigger engines. With a 14 liter capacity, this pump is the largest on the market. New improved mechanism. Heavy duty construction with the pump housed inside the container.
Just pump 20 to 30 times in a row to create a powerful vacuum and then watch the oil drain out. An essential tool for technicians.

ORDER NO. 514-00014

PELA 6000 OIL EXTRACTOR 6.0 L

Our most popular pump. Compact yet powerful and affordably priced. With a large 6 liter capacity, it meets the needs of most boaters. Just pump 10 to 20 times in a row to start the vacuum. Sold to boaters around the world since 1998.

ORDER NO. 514-06000

BIG PELA OIL EXTRACTOR 6.5 L

Our original pump. A long time favorite among technicians because of its power and durability. Also the choice of boat owners who want the best.
Just pump 4 to 15 times in a row.

ORDER NO. 514-00001

ADAPTER KIT FOR THREADED STYLE DIPSTICK PIPES

For use with Pela Oil Extractors. Note: For some engines where the Pela Threaded Adapter cannot be used, the Rubber Hose Adapter can be used instead.
Kit Includes: 1 Pc. Threaded Adapter / Hose Assembly, 1 Pc. Rubber Hose Adapter

ORDER NO. 514-00002 Mfr. No.PL-THR-ADP

ATTACHABLE DRIP TUBE

For use with Pela Oil Extractors.
Models PL-650 & PL-14K

ORDER NO. 514-00003
Mfr. No.PL-DRP-TU

REPLACEMENT TUBES - 3/16"OD, 1/4"OD, 7/16"

ORDER NO. 514-06503 Mfr. No. PL650-3TU

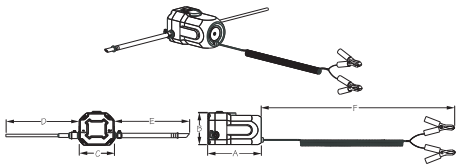
For more information see: www.pelaproducts.com

SEA-DOG LINE QUALITY MARINE GEAR

NEW!

PREMIUM ELECTRIC OIL PUMP - W/BATTERY CLIPS

Nitrile-Buna Rubber



ORDER NO.	Mfr. No.	A	B	C	D	E	F	Inlet Tube Dia.
425-01072-3	501072-3	5-1/8"	3-1/8"	3-1/8"	48"	80"	70"	1/4"

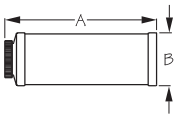
Easy to use and transport. The self-priming 12V pump attaches to battery terminals with alligator clips and drains oil through the dipstick tube on outboards and sterndrives. Convenient DIY operation saves money on expensive oil changes. Its compact size makes it easy to store. Includes 48" inlet and 80" outlet hoses. 12VDC. 60W. Maximum run time: 30 minutes. NOT intended for commercial use. NOT suitable for pumping out transmission oil, water, or flammable liquids.

- Oil flow rate: 0.84 quarts/min @ 140˚F (0.8 liters/min @ 60˚C)
- Diesel flow rate: 1.9 quarts/min @ 75˚F (1.8 liters/min @ 23˚C)

ACCU-MIX™ OIL TO GAS MEASURING BOTTLE

Plastic
Size: 32 oz.
Accurately measures the correct oil to gas mixture for all 2-cycle engines. Mixtures of 24-1, 33-1, 40-1, 50-1, and 100-1 ratios are shown on the see-through bottle for accurate measuring in both liters and gallons.

ORDER NO.	Mfr. No.	A	B
425-88614	588614	9"	3-1/8



For more information see: www.sea-dog.com

EXTRACTORS

Designed to handle heavy-duty jobs, Moeller Fluid Extractors are suitable for oil changes and for other marine applications, such as removing stagnant bilge fluid from those hard-to-access spots. The bucket-style handle makes it easy to carry and built-in fold-down foot braces add stability.

Specifications:

- No power required
- Dual action vacuum pump saves time
- Extracts warm or cold oil
- No-mess design includes tethered cap & easy-pour spout
- Manual pressure relief valve prevents burps and spills
- Automatic shut-off float eliminates overflow
- Pneumatic/manual operation extractor available in 15 L (Special Order Only)

Best of all, the extractor is versatile! It comes with an extraction tube & hose adapter kits. Use it for your hobby, lawn & garden, ATV, household, and automotive applications.

Model #035360 16L Only:
Air inlet: 1/4"
Working pressure range: 40-170 psi
Fluid temperature range: 35˚-200˚ F

NOT FOR USE WITH GASOLINE!

ORDER NO.	Mfr. No.	Description	Size
615-09451	035330	5.0L Fluid Capacity (5.2 Qt)	9.5"L x 14.9"W x 14.5"H
615-09574	035340	7.0L Fluid Capacity (7.2 Qt)	9.5"L x 14.9"W x 18.03"H
801-35360	035360	15.0L Fluid Capacity (16 Qt)	10"L x 10"W x 23.5"H

NEW!

SPECIAL ORDER ITEM

BRASS OIL TRANSFER

Allows for the transfer or extraction of gas, oil, water and diesel fuel

ORDER NO.	Mfr. No.
801-42904	042904

For more information see www.moellermarine.com

FLAT TANK OIL CHANGER SYSTEM

NEW & IMPROVED PUMP DESIGN

Simplifies the engine oil changing process, ideal for changing engine oil in Boats, RV's, Lawn & Garden Equipment.

Now there is no need to worry about open containers causing spills when changing engine oils with the 3-1/2 gallon (13 liter) compact self-contained unit fitted with a self-priming diaphragm pump with an easy pour for emptying.

The flat tank design allows easy storage in deck boxes, boat storage lockers, or RV storage compartments. The unit comes easy to use, clean and efficient dipstick suction tube, battery clamp wire leads, an on-off switch to make the pumping process simpler and easier.

Features :

- Powerful 12VDC motor makes oil changing quick and simple
  6-foot (2 meter) electrical wire for easy connection to 12 volt power supply
- Stows easily
- Compact robust tank design
- Easy pour spout with screw on cap
- Easy to carry handle
- 3-1/2 gallon (13L) sealed container
- Self-priming, run dry pump design

ORDER NO.	Description
17860-2012	12 Volt VDC, 3.5 GPM

For more information see: www.xylem.com

JABSCO
a xylem brand

SELF-PRIMING DRILL PUMP

The Jabsco self-priming drill pump chucks into a standard 1/4" drill motor and pumps up to 3-1/2 GPM (13 L/min). Use it for draining engine oil through dipstick tube, pumping, scavenging jobs and many uses around the boat or home.
Also includes two 3/4'' (19mm) garden hose port adapters mounted on 1/2'' barbed ports. Individually skin packed. Does not include electric drill.
Order 17255-0003 for replacement impeller and shaft assembly.

ORDER NO. 17250-0003

WARNING:
Not for pumping gasoline or flammable liquids

DRILL PUMP KIT

This self-priming drill pump kit is the same utility pump as above but includes all the accessories required for changing engine oil through the dipstick tube. Included are 3 feet of 1/2" hose, probe adapter and 1/4" x 40" dipstick probe.
Packed in poly bag with display header card.

ORDER NO. 17215-0000

WARNING:
Not for pumping gasoline or flammable liquids

"LITTLE PAL" HAND PUMP

Compact polished brass multi-purpose hand pump does many draining and liquid transfer jobs yet is small enough to fit in tool or tackle box.
Includes 2' (0,6m) hose and draw tube for draining crankcases through dipstick tube. Packed in poly bag with display header card.

ORDER NO.	Description
34060-0010	"Little Pal" Hand Pump
33815-0040	Draw Tube, 1/4" diameter
33857-0000	Draw Tube Reducer, 1/2 x 1/4

"HANDY BOY" UTILITY PUMP

This self-priming hand pump kit comes complete with adapters, tubes and hoses for dozens of pumping needs. Ideal for engine crankcase pumpout through the dipstick tube, diesel fuel transfer, or bilge pump. "The Handy Boy" can also be used as an air pump to inflate air mattresses, blow out fuel lines. Includes two 1/2" x 3' (12mm x 1m) hoses, two dipstick probes 1/4" (6.5mm x 1m), neoprene intake adapter and tube connector.
Packed in poly bag with display header card.

ORDER NO.	Description
33799-0000	"Handy Boy" Utility Pump
33815-0040	Draw Tube, 1/4" diameter
33857-0000	Draw Tube Reducer, 1/2 x 1/4

WARNING: Not for pumping gasoline or flammable liquids

MARINE ENGINE OIL DRAIN PUMP

PAR Oil Drain Pump connects to current marine engine oil dipstick tube on OMC, MerCruiser and other marine engines with a threaded male garden hose fitting on the engine dipstick tube. Unique design allows one hand pumping for quick and easy oil draining.
Includes pump with 3/4" brass fitting and drain hose 1/2" x 2' (13mm x 610mm).

ORDER NO.	Description
34060-0130	Marine Engine Oil Drain Pump
33815-0040	Draw Tube, 1/4" diameter
33857-0000	Draw Tube Reducer, 1/2 x 1/4

PERMANENT OIL DRAIN HOSE KIT

The Jabsco Oil Drain Hose Assembly includes drain plug fitting, oil drain hose, cap and hose hanger clamp. It is an ideal oil drain kit for use in conjunction with a Jabsco drill pump, Model 17215-0000, or PAR hand pump, Model 34060-0010.
Drain plug fitting size is 1/2" - 20.
Packed in poly bag with display header card.

Not recommended for automobiles with drain plugs exposed to potential road hazard damage.

ORDER NO. 18080-0000

For more information see: www.xylem.com

JABSCO

a xylem brand

HEAVY DUTY "PORTA-QUICK" OIL CHANGER

The Porta-Quick Portable Oil Changer makes quick, clean and easy oil changes on-board any boat, because it uses the vessel's own power supply to operate the powerful oil reservoir mounted flexible impeller pump.

- Pump Body: Bronze construction
- Impeller: Nitrile (oil resistant)
- Shaft Seal: Lip Type
- Motor: Reversible with integral reversing switch
- Container: Plastic with 14 quart capacity
- Power Cord: 8 feet with alligator clips
- Suction Hose 4 feet of neoprene hose with 40 inch Teflon dipstick probe
- Dimensions: 13-1/2" (343mm) diameter, 15-5/8" (354mm) high
- Weight: 9 lb (4.1 kg)
- 14 Quart (13 litre) container easily handles two engines.
- Sturdy bronze pump head.
- High-temperature resistant Teflon™ dip-stick probe.
- Non-collapsible thick wall suction hose.
- Garden hose thread adapter included, for dip-sticks with GHT male threaded ends.
- Fixed bail prevents pail wobble and spillage.
- Pail, lid and pump assembly fully assembled.
- Complies with USCG 183.410 and ISO 8846 MARINE (Ignition Protected).

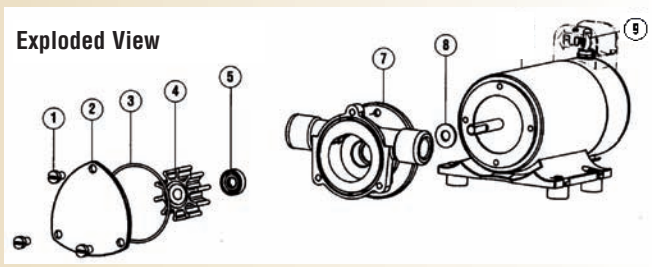
ORDER NO.	Description
17800-2000	12 Volt DC, fuse 15 amp. Oil Changer
09200-0023-P	Replacement Impeller for Oil Changer #17800-2000

REPLACEMENT PARTS OF OLD STYLE OIL CHANGER
MODEL NO. 17800-1000 (OLD STYLE)

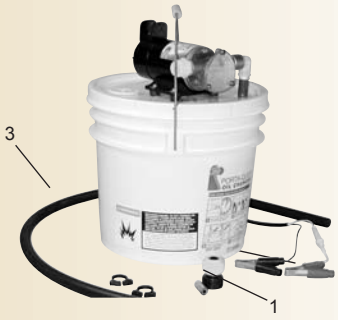
ORDER NO.	Description
14750-0003-P	Impeller for 17800-1000
33815-0040	Draw Tube, 1/4" diameter
33857-0000	Draw Tube Reducer, 1/2 x 1/4

For more information see: www.xylem.com

HEAVY DUTY "PORTA-QUICK" OIL CHANGER REPLACEMENT PARTS



Key	Description	Part No.
1.	Screw Kit / 3 screws	91004-0090
2.	End Cover	18647-0000
3.	O-Ring**	18753-0660
4.	Impeller**	09200-0023-P
5.	Seal**	18753-0384
7.	Body	
8.	Slinger	06342-0000
9.	Switch, Polarity/Rev.	18753-0652
**	SERVICE KIT	90061-0053



Key	Description	Part No.
1.	Hose Adapter Sleeve	34423-1000
2.	Dipstick Probe (Not Shown)	18753-0608
3.	Hose	17795-1000
4.	1/2" Hose by Female Garden Hose Thread Fitting	See Hardware Store

Johnson Pump®

OIL CHANGE F3B-19 PUMP FLEXIBLE IMPELLER PUMP KIT

All-in-One Complete Oil Change Package

- Easy, quick, no-hassle oil change package
- Reliable, well designed & proven F3B-19 flexible impeller pump technology
- For marine or industrial applications
- Serviceable & replaceable Nitrile impeller (09-843S-9)
- Greater flow for faster fill, transfer, & drain
- Flow reversing switch built into pump
- High temperature resistant dipstick tube
- Portable & convenient
- Heavy-duty alligator clips easily clamp directly onto battery
- Easy pour spout – No spill transfer of oil from bucket
- 12 Volt
- 1 Year warranty

Kit Includes:
Pail, Sealed Lid,
Pump Assembly, Dipstick Tube
Heavy Duty Alligator Clips,
Easy Pour Spout

ORDER NO.	Mfr. No.	Description
671-65300	65F3B	Oil Change Kit w/Pail

For more information see: www.spxflow.com/en/johnson-pump-marine

OIL CHANGE SYSTEMS

JABSCO

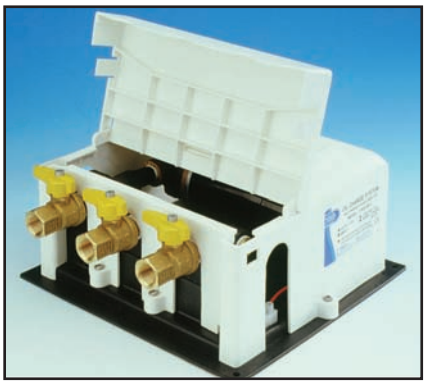
a xylem brand

OIL CHANGE SYSTEM

The Jabsco Oil Change system consists of a powerful reversible flexible impeller pump and a multi-valve distribution manifold mounted on an easy to install platform, to make onboard oil changing of multiple engines a clean and easy task.

The standard system is supplied with a five way manifold, fitted with three brass ball valves. Two additional ports (plugged from the factory) can be fitted with valves to allow the system to serve up to five different devices.

Dimensions:
L: 10-7/8" (27.6 cm)
W: 10-3/16" (26 cm)
H: 6-1/4" (15.9 cm) Including height of switch guards



ORDER NO.	Voltage	Amp/Draw	Fuse / Breaker
17820-0012	12 Vdc	10	15 Amp
17820-0024	24 Vdc	5	8 Amp
09200-0023-P	Replacement Nitrile Impeller		

OIL CHANGE PUMP

This powerful pump can change oil in a typical V-8 engine in just minutes.

- Pump is reversible to both drain and refill engine oil
- Self-priming to 3 ft (1m) of lift
- Includes 3/8" NPT full flow ball valve
- Reversing switch guard to avoid accidental activation
- Complies with USCG 183.410 and ISO 8846 MARINE (Ignition Protected)

Fitting: Connections for 3/8" NPT male threaded fitting
Size: 7-7/8"L x 3-3/4"W x 4-7/16'H (20cm x 10cm x 11cm)

ORDER NO. 17830-0012

"DO IT YOURSELF OIL CHANGER"

Ideal for marine, industrial, automotive, home and garden use. Fully assembled and with the pump and lid fixed in place to prevent the pail from tipping.

- For use on boats of all sizes
- Self contained Oil Change System
- 4 easy steps to fast, clean oil
- High Temperature resistant Teflon Dipstick probe
- Sheathed power cord with fuse protection
- Secured fully assembled 14 quart(13L) pail prevents wobble and spillage
- Runs on 12VDC with integral power switch
- Tested for 1400 cycles.

Specifications:
Dimensions: 14" (34cm) Diameter
15" (35cm) High

ORDER NO. 17850-1012
Mfr. No. 17850-1012

For more information see: www.xylem.com

Johnson Pump®

GEAR PUMP WITH OIL CHANGE KIT

- Light and compact oil change pump body & gears made of PTFE
- Complete with oil dip stick extraction tube 6 & 8 mm (0.236" & 0.315")
- 180 cm (70.9") connection wires with battery clamps.

Complete Kit

ORDER NO.	Mfr. No.	Description
671-65000	65000	Oil Change Pump, 12 Volt & Bucket
671-47508	80-47508-01	Oil Change Pump only, 12 Volt

Specifications:

Port Connections:	Outlet: 14 mm (0.551") hose Inlet: 8 mm (0.315")
Self priming:	Up to 1 m (3.28 feet)
Capacity:	8 l/min (2.11 GPM)
Dimensions:	140 x 80 mm (5.51" x 3.15")
Weight:	1.1 kg
Fuse Size	8A
Volts	12V

Pump Only

For more information see: www.spxflow.com/johnson-pump-marine

BUFFALO INDUSTRIES
"Your partner for cleaning and maintenance products"™

" Your partner for cleaning and maintenance products"

COVERALLS - MICROPOROUS - DISPOSABLE

Specialized lamination process allows maximum breathability while offering a high level of protection from varnishes, resins, fiberglass, paints and sanding dust. These chemical resistant coveralls offer a 2-Way zippered front, elastic wrists, ankles and waist, plus convenient front and back pockets.
Material: Polyethylene-laminated Polypropylene

ORDER NO.	Mfr. No.	Description
682-68254	68254	Large, Hooded - 1 Pack Bag
682-68255	68255	XLarge, Hooded - 1 Pack Bag
682-68256	68256	XXLarge, Hooded - 1 Pack Bag

COVERALLS - 3-LAYER SMS - DISPOSABLE

Contractor-Grade, 3-Layer SMS offers an ideal combination of breathability and protection from paint and particulates. SMS material guards against liquids, sprays, powders, fiberglass and sanding dust. Zip-front, elastic wrists, ankles and waist
Material: 3-Layer-Laminated Polypropylene

682-68525	68525	Large, Hooded - 1 Pack Bag
682-68526	68526	XLarge, Hooded - 1 Pack Bag

682-68254

CONTRACTOR GRADE SHOE COVERS - DISPOSABLE

Heavy-Duty Protection against paints, resins, adhesives and liquids.
Low Profile. Elastic openings, Tear-resistant. PE-Coated Polypropylene. Traction Tread

682-68430	68430	Contractor Grade Shoe Covers, 200 Bulk Pack
682-68431	68431	Contractor Grade Shoe Covers, 3 pair per Bag

CONTRACTOR GRADE BOOT COVERS - DISPOSABLE

Heavy-Duty Protection. High-Profile. Large, elastic opening, roomy design fits all boot sizes. PE-Coated Polypropylene. Traction Tread.

682-68435	68435	Contractor Grade Shoe Covers, 2 pair per Bag

682-68435

XL WATERPROOF SHOE & BOOT COVERS

Heavy-Duty Water barrier in flooded situations. Durable, textured, plastic material. Low-Profile, Extra large size fits over size 18 work boots. Elastic top and bottom for a secure fit.

682-68403	68403	XLarge, **Waterproof** Shoe & Boot Covers (Green), 10 pair per Bag

682-68403

SPRAY SOCKS

Protect head from paint, resins, overspray and other materials. Knit spray sock fits snugly around the face. Extra long neck. Fully hemmed.

682-68580	68580	One Size fits all /1 Pack Bag

682-68580

BUFFALO INDUSTRIES
"Your partner for cleaning and maintenance products"™

"Your partner for cleaning and maintenance products"

RECYCLED WHITE CLOTH RAGS

White T-Shirts - All white, knit, t-Shirt material. Excellent, all-purpose wiping, cleaning, and polishing cloth. **Low-linting**.

ORDER NO.	Mfr. No.	Description
682-10521	10521	White T-Shirts, 1# Bag
682-10520	10520	White T-Shirts, 4# Box
682-10524	10524	White T-Shirts, 25# Box

682-12036

NEW WHITE CLOTH RAGS

Ultimate Fine - The best all new white rag used by craftsmen. 100% cotton. white, smooth, heavy-weight, large-sized, knit wipers. Washed and bleached for superior absorbency, low linting and uniform application of all coatings.
New Bleached Knits - High quality, heavy-weight t-Shirt material. Washed & bleached for absorbancy & low linting.

682-12036	12036	Ultimate Fine Finish Wipers, 4# Box
682-60200	60200	New Bleached Knits, 1# Bag
682-12020	12020	New Bleached Knits, 4# Box
682-12026	12026	New Bleached Knits, 8# Box

682-60200

RECYCLED COLOURED CLOTH RAGS

Coloured T-Shirts - Knit t-shirt material. Economical rag suitable for almost all rag needs.

682-10080	10080	Coloured T-Shirts, 4# Box
682-10087	10087	Coloured T-Shirts, 8# Box

682-10080

TERRY TOWELS - 100% COTTON

Terry Towels - Very absorbant and ideal for all-pirpose cleaning, polishing and detailing.
Can be used around the auto, home and garage. Machine washable.
Marine Terry Towels - Very absorbent and ideal for cleaning hulls, decks, galleys and heads. Machine washable.
Terry Detail Towels (Hemmed Half Towels) - Extra large, heavy-weight, plush, hemmed, half terry cloth bath towels.
Ideal for drying large surfaces, detailing, polishing, buffing, cleaning. Very absorbent and colourfast. Machine washable.

682-60227	60227	Terry Towels, **14" x 17"** Fully Hemmed, 200/Bulk Case
682-60249	60249	Marine Terry Cloths, **14" x 17"** Fully Hemmed, 12 Pk Bag
682-10818	10818	Terry Detail Towels, **24" x 24"**, Fully Hemmed, 25# Box

682-60249

MICROFIBER CLEANING CLOTHS

Ultra absorbent, super gentle, premium cloths for cleaning and polishing without chemicals. Ultra-fine fibers act like dirt magnets to clean and polish fine finishes, glass, polished and plated metals, lenses, electronics, appliances, and furniture. Safe for most surfaces. Machine washable.
Microfiber Detail Towels - Extra plush, supersized, very absorbent. Ideal for drying and detailing large surfaces.

682-65003	65003	Microfiber Cleaning Cloths, 4 each of Blue, Green, Yellow, **12" x 16"**, 12 Pk Bag
682-64009	64009	Microfiber Cleaning Cloths, Blue, Green, **16" x 16"**, 20 Bulk/Case
682-65004	65004	Microfiber Detail Towels, Yellow, **20" x 20"**, 2 Pk
682-65013	65013	Microfiber Detail Towels, Yellow, **20" x 20"**, 20 Bulk/Case

682-65003

682-65004

For more information see: www.buffaloindustries.com

BUFFALO INDUSTRIES
"Your partner for cleaning and maintenance products"™

"Your partner for cleaning and maintenance products"

SHOP TOWELS - 100% COTTON

Shop Towels (Red) - Economical grease and oil rag. Washed, dyed, and dried to assure a quality product.
Marine Shop Towels (White) - Bleached white. Ideal for engine work, hydraulic repairs and general maintainance. Colour-free and durable. Will not bleed.

682-62013C	62013C	Shop Towels, RED, **14" x 14"**, 25 Pk Bag, **COUNTER DISPLAY**
682-62017	62017	Shop Towels, RED, **14" x 14"**, 50 Pk Bag
682-62031C	62031C	Shop Towels, WHITE, **14" x 14"**, 25 Pk Bag, **COUNTER DISPLAY**

682-62031C

APPLICATOR PADS

Terry Applicator Pads - Great for smooth and consistent application of waxes, stains, polishes, and protectants. Easy to use and reusable. White cotton cover over a foam pad.
Microfiber Applicator Pads - Apply waxes, polishes, protectants and dressings. Great for smooth and consistent application. Will not scratch. Safe for clearcoat. Hand washable in soapy water. Yellow cotton cover over a foam pad.

682-64011	64011	Terry Applicator Pads, White, **5" Diameter**, 2 Pk Bag
682-65025	65025	Microfiber Applicator Pads, Yellow, **5" Diameter** 2 Pk Bag

682-64011

TACK CLOTHS

Ultimate Microfiber Tack Cloths - Rely on ultra-fine microfibers to pick up particles, unlike traditional resin-coated tack cloths. Remove dust for better adhesion of paints, stains and varnishes. Clean wood, metal, fiberglass plaster and other materials. No waxy residue. Hand washable in soapy water and reusable. 80% Polyester / 20% Polyamide Microfiber.
Cotton White Tack Cloths - Clean wood, metal, fiberglass, plaster and other materials. Designed to remove dust for better adhesion of paints, stains and varnishes.

682-65008	65008	Tack Cloths, Yellow, Fully Hemmed, **12" x 12"**, 2 Pk Poly Bag
682-68530	68530	Tack Cloths, White, Cotton, Resin-Coated, **18" x 36"**, 1 Pk Poly Bag

682-68530
Colour not as shown

COMBO SPONGE

Combo Sponge - 2 Sponges in One! Super soft microfiber front cleans paint surfaces & metals. Durable scrubbing back cleans auto grills and bumpers, boat hulls and decks. Microfiber & polyester mesh covering a sponge interior.

682-65005	65005	Combo Sponge, **9" x 4-3/4" x 2"**, 1 Pk / Hanging Header

WASH MITTS

Microfiber Chenille Wash Mitts - Gentle microfiber fingers deep-clean both flat and irregular surfaces. Elastic Wristband. Hand washable.

682-68573	68573	Microfiber Chenille, Blue, **One Size fits All**,1 Pk / Hanging Header

682-68573

BUFFALO INDUSTRIES
"Your partner for cleaning and maintenance products"™

For more information see:
www.buffaloindustries.com

LUBRICANTS

WHITE LITHIUM GREASE

Superior lubrication and durability in any weather or temperature. Perfect for use as a break-in lubricant for bearings or as a general purpose lubricant and corrosion inhibitor for tools, machinery and equipment.
ORDER NO. 268-14200 (284g)
Mfr. No. 14200

HEAVY DUTY SILICONE

A multi-purpose silicone spray. Forms a colourless, odourless, non-staining film that lubricates and protects in most metal to non-metal applications. Dry film eliminates binding and sticking while protecting most surfaces.
ORDER NO. 268-75074 (213g)
Mfr. No. 75074

6-56™ MULTI-PURPOSE LUBRICANT

Plastic safe lubricant, penetrant and corrosion inhibitor that helps prevent electrical malfunctions caused by water penetration, humidity, condensation or corrosion. Restores resistance values and helps stop current leakage.
ORDER NO. 268-76007 (312g)
Mfr. No. 76007

WHEEL BEARING GREASE

A blue tacky, aluminum complex grease using a highly refined base oil. It has been formulated with a polymer to provide adhesive, non-blend and water wash-out characteristics. Will resist water under the most severe water conditions.
ORDER NO. 268-73312 (397g)
Mfr. No. 73312

FREEZE-OFF™ PENETRATING SOLVENT

A unique formula that immediately drops the temperature of the area in direct contact with the spray. The freezing effect cracks rusted surfaces, allowing Freeze-Off to reach deeper and work more effectively than other penetrants.
ORDER NO. 268-75222 (326g)
Mfr. No. 75222

QD™ ELECTRONIC CLEANER

A petroleum distillate/alcohol based precision cleaner designed as a alternative to CFC based cleaners. Ideal for apps where lower flashpoint materials can be tolerated. Cost effective, plastic safe and residue free.
ORDER NO. 268-75102 (312g)
Mfr. No. 75102

SPECIALTY PRODUCTS

BATTERY CLEANER WITH ACID INDICATOR

Instantly detects leaks and neutralizes acid. Removes corrosion by-products. Just spray on and rinse off.
ORDER NO. 268-75097 (312g)
Mfr. No. 75097

BATTERY TERMINAL PROTECTOR

Specially designed to protect battery terminals from corrosion, a leading cause of hard starting and battery failure. Provides a lead-free soft protective coating.
ORDER NO. 268-75046 (213g)
Mfr. No. 75046

TANNERY® LEATHER & VINYL CLEANER

An excellent cleaner for today's leather products. Its mineral oil base and detergent chemistry have proven to be effective for home, farm, auto recreation and marine applications. Silicone free and great for cleaning leather between conditioning treatments.
ORDER NO. 268-75171 (283g)
Mfr. No. 74171

BUG BLAST

Fast acting, high strength insecticide. Ergonomic trigger that provides control, even with gloved hands, and is accurate up to 15' away. Plastic safe – will not damage plastic connectors and other insulating materials.
ORDER NO. 268-72010 (397g)
Mfr. No. 72010

For more information see:
www.crc-canada.ca

Sierra Marine Engine and Drive Parts

NEW!

BELLOWS ADHESIVE

- Resists to oil, grease, & water
- Securely seals universal & exhaust bellows
- Fast drying, high strength, synthetic rubber based

ORDER NO.	Mfr. No.
018-90311	18-9031-1

For more information see:
www.catalog.sierraparts.com

CORROSION INHIBITORS

ENGINE STOR™ FOGGING OIL

As fogging fluid, it protects outboard motors, marine engines and internal combustion engines, ensure longer life. As long term metal protectant, it keeps pistons, rings and cylinder walls corrosion free.
Also protects electrical connections in use/storage.

ORDER NO.	Mfr. No.	Size
268-76068	76068	369g

HEAVY DUTY CORROSION INHIBITOR

A long term, flexible corrosion inhibitor that protects and preserves metal surfaces, electrical connections, engine components & fasteners, subject to salt spray and high humidity. Also provides effective protection for steering and throttle linkages.
ORDER NO. 268-76026 (284g)
Mfr. No. 76026

ZINC MATE™

Coating of >92% pure zinc actively fights rust and corrosion. Use as a touch-up for damaged galvanized coatings. Dries quickly.
ORDER NO. 268-75054 (369g)
Mfr. No. 75054

For more information see:
www.crc-canada.ca

FUEL ADDITIVES

FUEL STABILIZER - GASOLINE

A concentrated, high-potency formula that keeps stored gas fresh for easy start-up next season and optimum performance year round. Prevents harmful fuel separation caused by Ethanol-blended gasoline. Protects against gum and resin build-up.

ORDER NO.	Mfr. No.	Size
268-760621*	76062	237ml

***Easy-to-Measure bottle.**

PHASEGUARD4™ STORE & GO STABILIZER & ETHANOL FUEL TREATMENT

Protects all 2 & 4 cycle engines. Prevents phase separation & protects against corrosion. Cleans the fuel system, stabilizes fuel & restores power. Equally effective in E10 to E85 fuel.
***Treats up to 605 litres**
ORDER NO. 268-74142 (474ml)
Mfr. No. 74142

STOR-X™ FUEL STABILIZER

A concentrated, high-potency formula that keeps stored gas fresh for easy start-up next season and optimum performance year round. Prevents harmful fuel separation caused by Ethanol-blended gasoline. Protects against gum and resin build-up.
ORDER NO. 268-76063 (237ml)
Mfr. No. 76063

FUEL INJECTOR CLEANER

The easy to use solution to a wide range of engine problems. With regular use, prevents hard starts, rough idling, dieseling, engine run-on, knocks, pings, and excessive emissions
ORDER NO. 268-75061 (355ml)
Mfr. No. 75061

SmartWasher® BenchtopPRO®

BenchtopPRO® PARTS WASHING KIT

Tackle The Toughest Parts Cleaaning Jobs. Just Clean. Close. Store.™
Engineered to clean without hazardous chemicals. Non-toxic. Non-flammable.

- Designed for home garages and small repair shops. Easy to store.
- The degreasing solution continually cleans itself, so when you are ready to clean parts, the fluid is clean and ready.
- A water-based, self-contained, bioremediating parts washer that is as effective as solvent cleaners without the need to dispose of hazardous waste
- **Kit includes:**

(1) parts washer w/ 48" hose & brush combo
(1) BT5 Degreasing Solution 3.78 L.
(1) MicroPRO Pack® (4 pack)

ORDER NO. 269-00872 (1 Gal.)
Mfr. No. 1000872

BT5 DEGREASING SOLUTION

Water-based degreaser that cleans the dirty parts.
For exclusive use with the BenchtopPRO®

ORDER NO. 269-00447
Mfr. No. 1000447

MicroPRO Pack® (4 pack)

Contains microbes that break down the contaminants from the dirty parts to keep the degreasing solution clean.
Add 1 MicroPRO Pack® every 30 days.

ORDER NO. 269-00495
Mfr. No. 1000495

PERMATEX® RETAINING COMPOUND (BEARING MOUNT FOR CLOSE FITS) Fast Curing

Designed to bond non-threaded, cylindrical, metal assemblies by filling the voids between close-fitting metal parts. Hardens to create a solid, one piece assembly. Seal joints against leakage and prevents fretting & corrosion. Up to 3,000 psi holding power.
Temperature range -65˚ to 300°F.
ORDER NO. 814-60950 Mfr. No. 60950
Size: 50 mL

PERMATEX® LOW STRENGTH THREADLOCKER PURPLE

Designed for fasteners under 1/4" (6mm) that require occasional adjustment. Removable with hand tools for easy assembly. Set screws, headlamp screws, carburetors, relay locks, throttle body assembly, choke assembly, fuel injection set scews, body panel mounting scews & any small screw assembly. Protects against corrosion & prevents vibration loosening.
ORDER NO. 814-24024 Mfr. No. 24024
Size: 6 mL

PERMATEX® REMOVABLE STRENGTH THREADLOCKER BLUE

Valve cover bolts, oil pan bolts, water pump bolts, drive shaft bolts, rocker arm adjustment nuts, carburetor studs, & any similar threaded assembly. Protects against corrosion & prevents vibration loosening. Removable strength, general purpose threadlocker.
ORDER NO. 814-24200 Mfr. No. 24200
Size: 6 mL
ORDER NO. 814-24240 Mfr. No. 24240
Size: 36 mL

PERMATEX® PERMANENT STRENGTH THREADLOCKER RED

Assembly with air tools, cylinder block bolts, ring gear bolts, transmission shaft bolts, shock absorber bolts, frame bolts & similar fasteners subject to higher shock & vibration. Protects against corrosion & prevents vibration loosening.
Permanent high strength theadlocker
ORDER NO. 814-26200 Mfr. No. 26200
Size: 6 mL
ORDER NO. 814-26240 Mfr. No. 26240
Size: 36 mL

PERMATEX® HIGH TEMP/ HIGH STRENGTH THREADLOCKER RED

Camsaft sprocket bolts, cranshaft bolts, Idler bearings, press fit filler tubes, input & out put shaft threads, ring gear bolts & shock bolts. Withstands temperatures up to 450°F. High temp/ high strength threadlocker for heavy duty applications.
ORDER NO. 814-27240 Mfr. No. 27240
Size: 36 mL

For more information see: www.permatex.com

BLUE GEL THREADLOCKER ALL PURPOSE MEDIUM STRENGTH

For fasteners 1/4" to 1". Locks and seals while preventing parts from loosening due to vibration and shock. Protects threads from corrosion.
Temperature range: 54˚C to 150˚C
ORDER NO. 814-24235
Mfr. No. 24235 Size: 35 gram

RED GEL THREADLOCKER ALL PURPOSE HIGH STRENGTH

For fasteners 3/8" to 1". Recommended for parts that must withstand heavy vibration, shock or severe service. Locks and seals while preventing parts from loosening due to vibration and shock. Protects threads from corrosion. Temperature range: 54˚C to 150˚C
ORDER NO. 814-27135
Mfr. No. 27135 Size: 35 gram

PERMATEX® PERMAPOXY™ 5 MIN. GENERAL PURPOSE EPOXY

Fast setting epoxy in an easy to use 2-part dispensing syringe. Can be drilled, machined, filed & painted. Resists most liquids including fuels and solvents. Clear appearance. Sets in 5 minutes.Trim parts, knobs, cracked parts, fills cracks, ceramic, chrome, fabric, fiberglass, glass, hard plastic, metal and rubber. Permanent strength - up to 3400 psi.
Temperture range -51°C to 82°C.
ORDER NO. 814-84111 Mfr. No. 84111
Size: 25 mL

PERMATEX® ULTRA BLACK® RTV GASKET MAKER

Sensor-safe & non-corrosive. Superior adhesion to oily surfaces. Superior resistance to powertrain fluids, transmission fluid, gear lube and coolants.
Temperture range -54°C to 260°C intermittent.
ORDER NO. 814-59813
Mfr. No. 59813
Size: 300 mL Cart
ORDER NO. 814-59803
Mfr. No. 59803
Size: 80 mL Tube

PERMATEX® ULTRA BLUE® RTV GASKET MAKER

Elimintes the need for pre-formed, pre-cut, paper, rubber or cork gaskets. Superior adhesion to oily surfaces. Superior resistance to powertrain fluids, transmission fluid, gear lube and coolants.
Sensor-safe & non-corrosive.
Temperature range -54°C to 260°C intermittent.
OEM specified.
ORDER NO. 814-59603 Mfr. No. 59603
Size: 80 mL Tube

PERMATEX® AVIATION FORM-A-GASKET®

Seals any paper, rubber, cork or composite gasket.
Slow drying, non-hardening sealant.
Resists gasoline, oil, anti-freeze & axle fluids.
Temperature range -54°C to 200°C
ORDER NO. 814-58931 Mfr. No. 58931
Size: 118ml

Permatex

PERMATEX® FORM-A-GASKET® NO. 1 SEALANT

Thick, fast drying, hardening formula. For dressing cork, rubber, paper, & composite gaskets, sealing hose connections temperature range -54°C to 200°C. 1BR

ORDER NO. 814-58912

Mfr. No. 58912
Size: 80 mL

PERMATEX® FORM-A-GASKET NO.2 SEALANT

Thick, slow drying, non-hardening formula.
For dressing cork, rubber & paper gaskets.
Temperature range -54°C to 200°C. 2BR

ORDER NO. 814-58922

Mfr. No. 58922
Size: 80 mL

PERMATEX® THE RIGHT STUFF® GASKET MAKER

For Marine & Automotive gaskets, valve covers, gearbox covers, pumps, compressors, oil pans, themostat housings, water pumps etc.
Temperature range -60°C to 260°C.

ORDER NO. 814-30874

Mfr. No. 30874
Size: 147 mL Cartridge

PERMATEX® ANAEROBIC FLANGE SEALANT

For making and dressing gaskets of all shapes and sizes. Use on rigid-machined metal flanges. Provides a resilient seal that flexes with minor flange movements.

ORDER NO. 814-51550

Mfr. No. 51550
Size: 50 mL

PERMATEX® SURFACE PREP® ACTIVATOR

Any threadlocking, thread sealing & retaining application.Cleans & primes parts prior to assembly. Use in cold temperatures or where faster curing of Permatex® products is desired.

ORDER NO. 814-24715

Mfr. No. 24163
Size: 127g

PERMATEX® PERMAPOXY™ 4 MIN. MULTI-METAL EPOXY

Fills holes, mounts metal components, fills metal cracks, seals welded seams, aluminum, brass, chrome, copper, iron, stainless steel and steel. Permanent strength - up to 4500 psi. Resists most liquids including fuel & solvents.

ORDER NO. 814-84119

Mfr. No. 84119
Size: 25 mL

PERMATEX® PERMAPOXY™ 5 MIN. PLASTIC WELD

Bonds most plastic, interior trim, fills cracks, plastic to vinyl, ABS, acrylic, fiberglass, glass, PVC, steel, styrene, vinyl & wood. Permanent strength - up to 3500psi. Resists most liquids including fuel & solvents.

ORDER NO. 814-84125

Mfr. No. 84125
Size: 25 mL

PERMATEX® GUMOUT BRAKE PARTS CLEANER

Instantly penetrates, dissolves and flushes away contaminants from critical brake components. Non-chlorinated, leaves no residue, removes grease, oil, brake fluid, transmission fluid, hardened deposits, dust and other debris. PROFESSIONAL STRENGTH

ORDER NO. 814-29233

Mfr. No.29233
Size: 390g

NEW!

PERMATEX® HIGH PERFORMANCE THREAD SEALANT

Prevents leaks due to extreme pressures, vibration and temperature cycles. Protects threads from rust corrosion and galling. Parts can be repositioned after assembly.
Temperature range up to 150˚C (300˚F).

ORDER NO. 814-56550

Mfr. No. 56550
Size: 50 mL, White

NEW!

PERMATEX® BLACK SILICONE ADHESIVE SEALANT

Seal & waterproof electrical connections windshields, hatches, firewall openings heater boxes, vinyl tops, seams weather stripping. Seals & bonds glass, metal, plastic, fabric & vinyl.
Temperature range -62°C to 260°C. 16BR

ORDER NO. 814-59203

Mfr. No. 59203
Size: 80 mL

PERMATEX® CLEAR SILICONE ADHESIVE SEALANT

Seal & waterproof electrical connections, windshields, hatches, firewall openings, heater boxes, vinyl tops, seams, weather stripping. Seals & bonds glass, metal, plastic, fabric & vinyl.
Temperature range -60°C to 204°C. 66B

ORDER NO. 814-59103

Mfr. No.59103
Size: 80 mL

Captain PHAB

A. MOOVIT HIGH PERFORMANCE PENETRATING LUBRICANT

- Blended from the highest quality natural ingredients, uniquely formulated to loosen rusted, seized parts, nuts and bolts with ease
- Moovit is user friendly, compatible with all metals, alloys, plastic, and rubber

ORDER NO.	Mfr. No.	Size
706-11014	11014	350 g

B. DRY TEFLON™ LUBRICANT

- Contains Teflon™ for superior friction reduction. Goes on wet and dries clear.
- Water and moisture resistant to prevent corrosion.
- Dry form does not transfer to hands, clothing, sails. Non staining.
- Sheds dust and dirt to minimize abrasive wear.
- Ideal for cables, trailer hitches, linkages, sail tracks, awning mechanisms, windows, doors, fasteners, zippers and head plungers.

Teflon is a registered trademark of Dupont

ORDER NO.	Mfr. No.	Size
706-03911	391	312 g

C. MULTI-LUBE

- Loosens nuts, bolts and sticky mechanisms.
- Stops squeaks and noises for much longer periods *(Contains a lubricating oil that stays behind).*
- Displaces moisture to 'dry out' electrical wiring.
- Contains inhibitors to protect against corrosion.

ORDER NO.	Mfr. No.	Size
706-03941	394	340 g

D. KLEENS-IT NON CHLORINATED BRAKE PARTS CLEANER

- A fantastic safety solvent used for many cleaning & degreasing tasks required during mechanical repairs
- Almost odorless and extremely fast evaporating

ORDER NO.	Mfr. No.	Size
706-57320	57320	390 g

E. CARBURETOR CLEANER

- Removes gums and varnishes quickly and thoroughly.
- Powerful solvents ensure down to metal cleanliness.
- Restores proper engine performance and fuel economy.
- Use on metal carburetor's only.

(Not suitable for plastics)

ORDER NO.	Mfr. No.	Size
706-03011	301	340 g

F. MARINE SEALANT

- Waterproof
- Virtually odorless.
- Stretches 50% without cracking.
- Superior adherence to gel coat, glass and other difficult surfaces.
- Extra Mildew protection added.
- Excellent stability in presence of solvents and sunlight.
- Stays flexible from - 50° F to 440° F.

ORDER NO.	Mfr. No.	Size	Colour
706-06161	6160	300 ml	White
706-06171	6170	300 ml	Clear

G. LEAK DETECTOR

- For propane tanks and refrigeration lines. Thickened to detect slow leaks and prevent drippage.
- Dauber included for easy application.
- Rinses off readily with water.

ORDER NO.	Mfr. No.	Size
706-06431	643	225 ml

H. NEW SYSTEM SEALANT

- High Performance MARINE / RV / INDUSTRIAL
- Direct to metal adhesive Sealant
- Suitable for above and below waterline
- Superior adhesion to plastic, all metals including aluminum, teak, fiberglass
- Flexible, non-yellowing
- Sandable & paintable
- UV resistant

ORDER NO.	Mfr. No.	Size	Colour
706-05000	50000	300 ml	White
706-05001	50001	300 ml	Black

ON & OFF HULL & BOTTOM CLEANER

Removes waterline stains, algae stains, rust and gas exhaust stains. It works instantly and is asy to use, just brush it on, then rinse it off. For use on fiberglass only.

ORDER NO.	Mfr. No.	Size
268-76203	76203	946ml
268-76204	76204	3.785L

DG

ON & OFF GEL HULL & BOTTOM CLEANER

Unique gel formula clings to the surface to break down grease and oil, and remove scum lines and stains. Blue color makes it easy to see where the product has been applied. Works fast! Just brush on and rinse off. Pleasant scent.

ORDER NO.	Mfr. No.	Size
268-76532	76532	946ml

ALUMINEX™ CLEAN & SHINE

Light duty, dual-action formula designed to instantly clean and brighten aluminum hulls. Utilizes Safe Acid Technology™ to provide a gentler cleaner w/added brightening action. Regular use will help maintain a "like new" appearance.

ORDER NO. 268-76332 (946ml)
Mfr. No. 76332

INFLATABLE BOAT CLEANER

This special formulation is a non-flammable, heavy duty cleaner that quickly removes dirt, grease, grime & stains. Works equally well on fiberglass surfaces.

ORDER NO. 268-76832 (947ml)
Mfr. No. 76832

DG **Subject to Dangerous Goods Fee**

For more information see: www.crc-canada.ca

CLEAN-R-CARB™

Designed to maximize carburetor performance. Quickly dissolves carburetor deposits such as gum, sludge and varnish to improve fuel system performance and enhance fuel economy.

ORDER NO. 268-76064 (340g) DG
Mfr. No. 76064

STAINLESS STEEL CLEANER & POLISH

Exclusive ultra-shine formula eliminates dirt, dust, fingerprints, and watermarks. Leaves behind a non-greasy protective barrier to resist return of stains and water spots. CFIA Accepted.
Applications: Aluminum chrome, other shiny metal surfaces located in heavily industrial environments, stainless steel.

- Use for Commercial, Automotive and Marine
- Durable lasting shine
- Biodegradable

ORDER NO. 268-74424 (510g)
Mfr. No. 74424

GLASS CLEANER

Cuts through dirt, dust, fingerprints and haze deposits. Provides streak-free glass cleaning even on delicate glass surfaces. Biodegradable, ready to use.

ORDER NO. 268-76100 (510g)
Mfr. No. 76100

3M™ SCOTCH-WELD™ NITRILE HIGH PERFORMANCE RUBBER & GASKET ADHESIVE

- Quick drying and flexible with fuel & oil resistance
- Heat & solvent reactivatable
- Curable with heat
- Bonding, adhering, gluing, joining & attaching

Consistency: Medium liquid
Bonding Range: Up to 15 minutes
Colour: Brown

ORDER NO. 600-00847
Mfr. No. 847-5OZ Size: 5 oz.Tube

For more information see: www.3m.com/marine

MOTOR FLUSHERS

UNIVERSAL ROUND CUP MOTOR FLUSHER

- Universal economy round cups
- Use on all lower units with side water inlets
- Quickly removes salt & mineral build-up with a simple flush
- No tools required
- Easy to use

ORDER NO. 801-99076-00
Mfr. No. 99076-00

RECTANGULAR CUP MOTOR FLUSHER

Powder Coated Aluminum for Standard Engine

- Ideal in low-pressure conditions often found in marinas
- For use on all lower units with side water inlets, including Volvo SX
- Improved water flow with rectangular cups virtually eliminates water leakage for high-pressure flushing

ORDER NO. 801-99077-00
Mfr. No. 99077-00

INBOARD MOTOR FLUSHER

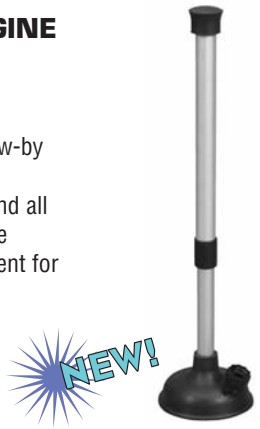
- Fits ski boats and other boats with sea strainers
- Installs in seconds
- Stainless steel T fitting slides into the intake slot in either direction for a quick fit
- Flusher is supported with 360˚ plastic support ring insuring a tight fit to the bottom of the boat

ORDER NO.	Mfr. No.
801-99085-00	099085-00

ADJUSTABLE INBOARD ENGINE MOTOR FLUSHER

- No tools required
- Telescoping flusher installs in minutes
- Large cup prevents fall-off or water blow-by
- 31" total length
- Fits inboards, performance ski boats, and all boats with teardrop-shaped water intake
- Telescoping tube allows precise alignment for hard to reach areas
- Ideal for Generator sets

ORDER NO.	Mfr. No.
801-99081-00	099081-00



VOLVO ROUND CUP MOTOR FLUSHER

- Fits 200; 250; 270;280 & 290 hp lower units
- No tools required
- Easy-to-Use!

ORDER NO.	Mfr. No.
615-99080-00	099080-00

PROFESSIONAL DUAL WATER FEED MOTOR FLUSHER

For Inboard Applications

- Rectangular cups
- Installs in seconds
- Designed for engines above 75 hp
- Heavy-duty metal yoke for added strength and extended use

ORDER NO.	Mfr. No.
801-380160	380160

DUAL WATER FEED UNIVERSAL MOTOR FLUSHER

- A customer favourite for all engines over 50hp
- For use on all lower units with side water inlets, including Volvo
- Improved water flow with rectangular cups virually eliminates water leakage for higher pressure flushing

ORDER NO.	Mfr. No.
801-99082-00	099082-00

For more information see:
www.moellermarine.com

MOTOR FLUSHER
Molded PVC/Painted Steel
Length: 9"

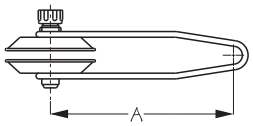
ORDER NO. 425-21500 Mfr. No. 521500-1

VOLVO MOTOR FLUSHER
Molded Rubber/Painted Steel

ORDER NO.	Mfr. No.	A
425-21510	521510-1	2-3/8"

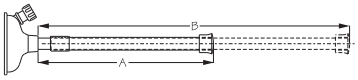
RECTANGULAR MOTOR FLUSHER
Molded Rubber/Painted Steel

ORDER NO.	Mfr. No.	A
425-21520	521520-1	10-3/16"



INBOARD MOTOR FLUSHER
Molded Rubber/Aluminum

ORDER NO.	Mfr. No.	A	B
425-21550	521550-1	15-1/2"	27-1/2"



For more information see: www.sea-dog.com

TH MARINE

QUICK FLUSH™ ONBOARD FLUSH KIT
- Snaps on- quickly flushes salt or sand from outboard.
- Slide valve stays on engine permanently- "O" ring sealed.
- No more fighting garden hose to connect to engine.
- Kit contains: slide valve, quick connect, rubber washer.
- Fits all outboards with flushing port.

Kits available for use with OMC, Mercury, Yamaha and others!

ORDER NO.	Mfr. No.	Description
205-21111	QF-1K-DP*	Complete Kit OMC
205-21112	QF-2K-DP	Complete Kit Mercury Yamaha/Other

* Inspection stream hole in valve.

For more information see: www.thmarine.com

PANTHER™

FLUSH BUDDY INBOARD MOTOR FLUSHER
- Easy to use
- Great for winterizing, maintenance
- Constructed of aluminum and heavy-duty rubber
- Adjusts from 19" to 30-1/4"

ORDER NO. 947-55000 Mfr. No. 75-5000

For more information see: www.panthermarineproducts.com

Sierra Marine Engine and Drive Parts

ENGINE FLUSHER RECTANGULAR CUPS
Universal
Fits most engines 120 HP & Up
ORDER NO. 018-89980-1 Mfr. No. 18-8998-1

For more information see: www.catalog.sierraparts.com

attwood

UNIVERSAL MOTOR FLUSHER
Quickly flushes away salt, sand, silt and alkali to prevent clogging and corrosion. The flusher attaches easily to an ordinary garden hose. Reinforced polypropylene. Self adjusting clamping yoke fits most domestic or imported I/O's and outboards. Molded cups deliver fresh water from a garden hose to flush the cooling system through side intakes on the lower unit. Do not use full flow from hose.

ORDER NO. 109-93720
Mfr. No. 9372-2

For more information see: www.attwoodmarine.com

ANCOR

WIRE & CABLE CUTTER

This wire and cable cutter has steel forged blades easily cut 22 AWG to 2/0 AWG copper wire and cable

- Contoured cushion grips for comfort & ease of use
- Length: 9.25" (235mm)

ORDER NO. 427-03005
Mfr. No. 703005

HEAVY DUTY WIRE & CABLE CUTTER

- Steel forged blades easily cut up to 350MCM (2 sizes larger than 4/0 AWG) copper wire & cable
- Strong fiberglass handles with thermoplastic rubber grips for comfort & slip resistance
- Length - 17.5" (444mm)

ORDER NO. 427-03006
Mfr. No. 703006

HEAVY-DUTY WIRE SCISSERS

- Corrosion resistant stainless steel blades
- Ergonomic overmolded handles for comfort & safety
- Cut wire up to 6 AWG (13mm^2)
- Includes safety holster with belt clip
- Length: 5.9" (15 cm)

ORDER NO. 427-03007 NEW!
Mfr. No. 703007

CUT/STRIP TOOL

- Precision ground cutter & stripping stations
- Strips insulation from 24 AWG to 10 AWG (0.5 to 2.6mm^2) solid and stranded wires
- Length: 6.6" (16.7 cm)

ORDER NO. 427-02008 NEW!
Mfr. No. 702008

STAINLESS STEEL CUT/ STRIP/CRIMP TOOL

- Crimp 10 to 22 AWG insulated & non-insulated terminals & coaxial connectors
- Cut & strip 22 AWG to 8 AWG solid & 24 AWG to 10 AWG stranded wire
- Cut & rethread 4-40, 5-40, 6-32, 8-32, 10-24, 10-32 screws
- Precision ground plier nose
- Length: 8.3" (21.0 cm)

ORDER NO. 427-01009
Mfr. No. 701009

CUT/STRIP/CRIMP TOOL

- Crimps 22 AWG to 10 AWG (0.3 to 5mm^2) insulated & non-insulated terminals, connectors & spark plug terminals in special cavities
- Strips insulation from 22 AWG to 10AWG (0.3 to 5mm^2) solid & stranded wires
- Cuts (4) 40/2 mm, (6) 32/4 mm, (8) 32/4.8mm, (10) 32/6.4 mm & 10-24/6.4 mm bolts
- Length: 8.6" (20.3 cm)

ORDER NO. 427-02007 NEW!
Mfr. No. 702007

CUT/STRIP/CRIMP TOOL

Precision ground cutters & stripping station.

- "Box" crimp works with Ancor double crimp terminals
- Marking is embossed and paint filled
- Crimps 22-10 AWG (0.3-5 mm^2) insulated and non-insulated terminals, connectors and spark plug terminals
- Cuts 4 -40/2mm, 6 -32/4mm, 8 - 32/4.8mm, 10 32/6.4mm & 10 24/6.4mm bolts

ORDER NO. 427-01007
Mfr. No. 701007

AUTOMATIC WIRE STRIPPER

- Automatically adjusts to different wire sizes
- Strips without damage or marking
- Strips & cuts wire from 24 AWG to 12 AWG (0.02-5.0mm^2)
- Wire stop adjusts length of strip from 3/8" to 1/2" (9.5 to 12.7mm)
- Length: 6.7" (17.0 cm)

ORDER NO. 427-02030
Mfr. No. 702030

COMPACT AUTOMATIC WIRE STRIPPER

- Compact design perfect for use in tight spaces
- Strips without damage or marking of conductors
- Strips & cuts wire from 20 AWG to 10 AWG (0.05-5.0mm^2)
- Length: 6.3" (16.0 cm)

ORDER NO. 427-02031 NEW!
Mfr. No. 702031

PREMIUM BATTERY CABLE STRIPPER

- Punctures the cable's insulation, breaks the insulation free & pulls the cut insulation from the wire in one efficient motion
- Strips 8 AWG through 400 MCM cable
- Heavy duty construction
- Length: 5.3" (13.0 cm)

ORDER NO. 427-03075
Mfr. No. 703075

UNIVERSAL WIRE STRIPPER

- Two different cutting methods to cut either small gauge wire or large gauge battery cable
- Wire stripping from 20 AWG to 10 AWG (0.05-5.0mm^2)
- Battery cable stripping from 8 AWG to 4/0 AWG (8-107mm^2)
- Length: 5.7" (14.5 cm)

ORDER NO. 427-02032 NEW!
Mfr. No. 702032

ANCOR

For more information see: www.ancorproducts.com

8 TO 4/0 AWG HEAVY-DUTY HEX LUG & TERMINAL CRIMPER

- Uses revolving dies to create a hex style crimp for 8 AWG to 4/0 AWG
- Length: 24.4" (62 cm)

ORDER NO. 427-03040
Mfr. No. 703040

8 TO 1/0 AWG HEX LUG & TERMINAL CRIMPER

- Uses revolving dies to create a hex style crimp for 8 AWG to 1/0 AWG
- For portable use
- Length: 15.4" (39 cm)

ORDER NO. 427-03050
Mfr. No. 703050

22 TO 8 AWG SINGLE CRIMP RATCHETING CRIMPER

- Ideal for crimping heat shrink terminals
- Can also be used with vinyl & nylon insulated terminals & connectors
- Must be fully closed before tool allows itself to open ensuring a proper crimp
- Includes lever to release jaws mid-cycle in the event of an incorrectly placed terminal
- 4 colour-coded cavities for different wire sizes
- Length: 10.9" (27.6 cm)

ORDER NO. 427-03010
Mfr. No. 703010

26 TO 10 AWG DOUBLE CRIMP RATCHETING CRIMPER

- Ideal for crimping nylon & vinyl terminals
- Double crimp mechanism crimps stranding & insulation portion of Ancor connectors in one motion for superior strain relief of vinyl & nylon terminals
- Must be fully closed before tool allows itself to open ensuring a proper crimp
- Includes lever to release jaws mid-cycle in the event of an incorrectly placed terminal
- 4 colour-coded cavities for different wire sizes
- Length: 10.9" (27.6 cm)

ORDER NO. 427-03030
Mfr. No. 703030

ANGLED 22 TO 8 AWG SINGLE CRIMP RATCHETING CRIMPER

- For crimping heat shrink terminals
- Angled head design is ideal for use in tight spaces
- Self-releasing mechanism ensures proper crimp
- Ratcheting operation & ergonomical handles prevent fatique
- Length: 9.5" (324cm)

ORDER NO. 427-03015 NEW!
Mfr. No. 703015

ANGLED 26 TO 10 AWG DOUBLE CRIMP RATCHETING CRIMPER

- For crimping nylon & vinyl terminals
- Angled head design is ideal for use in tight spaces
- Self-releasing mechanism ensures proper crimp
- Ratcheting operation & ergonomical handles prevent fatique
- Length: 9.5" (324cm)

ORDER NO. 427-03035 NEW!
Mfr. No. 703035

FLAG TERMINAL DIE SETS

- Works with all Ancor ratcheting crimpers; 427-03010, 427-03015, 427-03030, 427-03035

22–18 & 16–14 AWG
ORDER NO. 427-03041
Mfr. No. 703041

NEW!

12–10 AWG
ORDER NO. 427-03042
Mfr. No. 703042

ANCOR

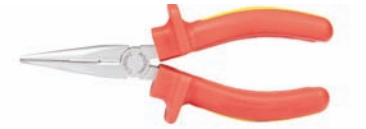
For more information see: www.ancorproducts.com

ANCOR

MINI FISH TAPE

- Durable, high-impact housing
- Low-memory 15 ft. tape does not curl during extension—perfect for non-conduit situations
- Compact, rugged design can be stored in tool belt or box
- Feed under carpet, behind walls or through panels
- Perfect for short runs, installing speakers, instrument clusters or common electrical uses

ORDER NO. 427-03112
Mfr. No. 703112



6" LONG NOSE PLIERS

- Insulated to 1000V
- Ideal for use in tight spaces
- Chrome vanadium
- Length: 6" (15.2 cm)

NEW!

ORDER NO. 427-10010
Mfr. No. 710010

7" COMBINATION PLIERS

- Insulated to 1000V
- Combines both gripping jaws & wire cutter
- Chrome Vanadium
- Length: 7" (17.8 cm)

NEW!

ORDER NO. 427-10020
Mfr. No. 710020

6" BENT NOSE PLIERS

- Insulated to 1000V
- Ideal for use in tight spaces
- Chrome Vanadium
- Length: 6" (15.2 cm)

NEW!

ORDER NO. 427-10030
Mfr. No. 710030

6" DIAGONAL CUTTING PLIERS

- Insulated to 1000V
- Ergonomic cutter for wire or cable ties
- Chrome Vanadium
- Length: 6" (15.2 cm)

NEW!

ORDER NO. 427-10040
Mfr. No. 710040

NEW!

7 PIECE SCREWDRIVER SET

Kit includes:

(1) 1/8" x 3" Slotted
(1) 7/32" x 5" Slotted
(1) 1/4" x 6" Slotted
(1) Test probe
(1) #0 x 3" Phillips
(1) #1 x 3" Phillips
(1) #2 x 4" Phillips

- Insulated to 1000V
- Includes convenient storage/carrying case with display window

ORDER NO. 427-11000
Mfr. No. 711000

ANCOR

For more information see www.ancorproducts.com

WIRE STRIPPER /CRIMPER TOOL

Powder Coated Steel

Crimps and strips 22-10 gauge wire
Great addition to any tool box.

ORDER NO. 424-29900

Mfr. No. 429900-1

DELUXE WIRE STRIPPER /CRIMPER TOOL

Chrome Plated Steel

Spring loaded, strips & crimps 22-10 gauge wire.
Great addition to any tool box.

ORDER NO. 424-29905

Mfr. No. 429905-1

DELUXE TERMINAL WIRE CRIMPER

Power Coated Steel

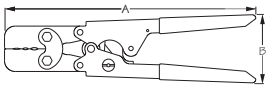
Crimps 22-10 gauge terminals.
Great addition to any tool box.

ORDER NO. 424-29910

Mfr. No. 429910-1

HEAT SHRINK TERMINAL CRIMPER TOOL

Powder Coated /Stainless Steel

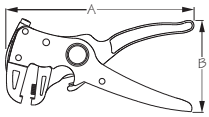


ORDER NO.	Mfr. No.	A	B
424-29920	429920-1	9"	2-3/16"

Heat Shrink Terminal Crimper tool crimps 22-10 gauge Heat Shrink terminals.
Great addition to any tool box.

ADJUSTABLE WIRE STRIPPER/CUTTER TOOL

Powder Coated Steel

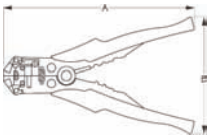


ORDER NO.	Mfr. No.	A	B
424-29930	429930-1	6-3/4"	3-3/8"

Adjustable Wire Stripper/Crimper Tool crimps 22-10 gauge terminals.
Great addition to any tool box.

MULTI-FUNCTION WIRE STRIPPER & CRIMPER

Powder Coated Steel

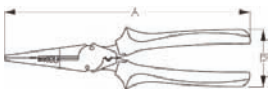


ORDER NO.	Mfr. No.	A	B
424-29940	429940-1	8"	4"

Three tools in one! It strips, crimps, and cuts 24-10 gauge wire with ease.

MULTI-FUNCTION NEEDLE NOSE WIRE STRIPPER & CRIMPER

Powder Coated /Stainless Steel



ORDER NO.	Mfr. No.	A	B
425-63152	563152-1	8-1/2"	2"

Includes needle nose pliers, cutters, wire strippers & crimper. Corrosion resistant.

SEA-DOG LINE QUALITY MARINE GEAR

For more information see:
www.sea-dog.com

DIGITAL MULTIMETER

Auto-ranging, DC & AC volts range 0.0001 to 1000 volts, Diode, Continuity beeper, milli and micro ampere, Amps (10 amps Max), Ohms, Temperature, Auto shutdown, Back lighted display.

ORDER NO. 511-600000
Mfr. No. 511-60A

INLINE NEON SPARK TESTER

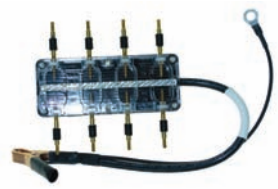
Ideal for personal watercraft. Sealed design is an added safety factor that further reduces the possibility of igniting gas fumes, especially in the hull of a PWC. Good for checking spark on running engines.

ORDER NO. 511-976400
Mfr. No. 511-9764

SPARK TESTER

Enclosed 8 Cyl., adjustable spark gap tester. Has heavy-duty wire for mounting in any position. Helps reduce possibility of igniting gas fumes.
(Wires sold separately)

ORDER NO. 511-976600
Mfr. No. 511-9766



SPARK TESTER

Sealed design reduces possibility of fire, an be used to test 1-8 Cyl., Pins designed for threaded spark plug

ORDER NO. 511-976601
Mfr. No. 511-9766T

PIERCING PROBE SET

Fully insulated probes with spring loaded clamp. Probes with stainless steel pin self-centers and punctures insulation. Includes:
1 red & 1 black probe.

ORDER NO. 511-977000
Mfr. No. 511-9770

AMP METER ADAPTER
Compatible W/DIGITAL METERS

1-400 amp range, Use to measure battery charging output current or starter current draw, Can be used with any DC multimeter w/ a Milli-Volt range & 3/4" test lead sockets.

ORDER NO. 511-977200
Mfr. No. 511-9772

DVA ADAPTER

Built in test leads.
Replacement tips fit most test clips.

ORDER NO. 511-977300
Mfr. No. 511-9773

DVA ADAPTER

Test leads not included-use existing meter leads.

ORDER NO. 511-977301
Mfr. No. 511-9773NL

PACK LOAD RESISTOR

Use to replace ignition coil for testing DVA output from ignition pack when looking for a defective coil,
Replaces: PL88.

ORDER NO. 511-977500
Mfr. No. 511-9775

CDI Electronics

TOOLS & TEST EQUIPMENT

DIAGNOSTIC TOOL KIT

Digital Multimeter w/ DVA Adapter & Resistor Test Card - 511-60A, Practical Outboard Ignition Troubleshooting Guide - 961-0002, CDI Electroncis Catalog - 961-0001, Laminated DVA Chart - 961-0003,Spark Gap Tester- 511-9766, Johnson/Evinrude Pin Tool Set - 553-2700, Spark Plug Gap Tool, Terminal Kit - 912-9708, OIS 6 Cyl. Test Harness - 511-4127, OIS 4 Cyl. Test Harness - 511-7270, CDM Test Harness - 511-5207A 1,5-Wire Jumper Kit - 511-73W, Piercing Probe Set - 511-9770, Spark Gap Tester - 511-9764, Packload Resistor - 511-9775, Compression Test Kit - 511-9778, CDI Connector Kit - 911-9900, Miscellaneous Cable Ties, & Durable Toolbox.

ORDER NO. 511-990400
Mfr. No. 511-9904

TEST LEAD SET

48" Set. Includes:
1 Red & 1 Black Test Leads.

ORDER NO. 511-000010
Mfr. No. 511-TL10

GEARCASE FILLER

Sturdy tear-drop design w/drip tray resists tipping over. The check valve on the vent allows you to remove the filler nozzle without loosing any appreciable amount of lubricant.
Replaces:
551-33GF, S33 Gearcase Fillers.
Includes:
551-33CV E-Z Fill and 551-334K Adapter Kit

ORDER NO. 551-000333
Mfr. No. 551-33-1

LOWER UNIT ADAPTER KIT

Compatible w/ 551-33-1, 551-34PV, 551-34HA & 551-34HB

Includes: 551-334M, 551-334S, 551-334V, 551-33TN & 551-33UN

ORDER NO. 551-00334-K
Mfr. No. 551-334K

LOWER UNIT FILL TUBE

Adapter for 551-33-1 Gearcase Filler (Perfect for Bravo lower unit & Verado lower unit)

ORDER NO. 551-00334-B
Mfr. No. 551-334B

METRIC ADAPTER

Adapter for 551-33-1 Gearcase Filler

ORDER NO. 551-00334-M
Mfr. No. 551-334M

SUZUKI ADAPTER

Adapter for 551-33-1 Gearcase Filler

ORDER NO. 551-00334-S
Mfr. No. 551-334S

FILLER VENT CHECK VALVE

Calibrated check valve creates air-lock to keep lubricant from running out while you install drain plug.

ORDER NO. 551-000332
Mfr. No. 551-33CV

VOLVO ADAPTER

Adapter for 551-33-1 Gearcase Filler

ORDER NO. 551-00334-V
Mfr. No. 551-334V

REPLACEMENT VALVE

Replacement Valve for the 551-33-1 Gearcase Filler

ORDER NO. 551-00033-VA
Mfr. No. 551-33VA

DIELECTRIC GREASE
Silicon-based grease that's designed to seal out moisture and prevent corrosion on electrical connectors. It also disrupts the flow of electrical current, which makes it good for lubricating and sealing the rubber parts of electrical connectors. Commonly used for spark plug wires. Works w/ most major engine brands.

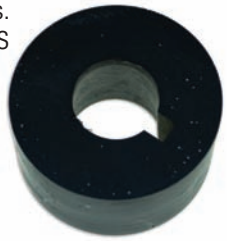
ORDER NO. 991-970600
Mfr. No. 991-9706

FUSE HOLDER 5 PIECE KIT
Water resistent fuse holder. 30 amp

ORDER NO. 992-970300
Mfr. No. 992-9703

PRESSURE & VACUUM TESTER
Combination tester does both pressure & vacuum testing. Replaces: S34, V34 Testers. Includes: 551-34HA, 551-334M & 551-334S

ORDER NO. 551-000341
Mfr. No. 551-34PV

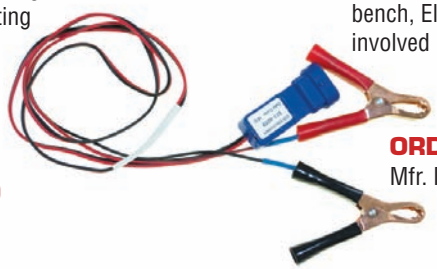


SENSOR GAP TOOL 2/3/4 CYL.
1972-1978, Engines w/ Open Timer Base, Compatible for Setting Timerbase Air Gap on Johnson Evinrude Engines w/ Terminal Block Power Packs.

ORDER NO. 553-970200
Mfr. No. 553-9702

OPTICAL SENSOR TESTER
Used to test V4/V6 optical sensor on the engine or on the bench, Unique Design sounds an audible alert when setting the ignition timing to allow an eyes free operation.
Replaces:
434017 OIS 2000 Sensor Tester.

ORDER NO. 511-401700
Mfr. No. 511-4017



OPTICAL SENSOR TESTER
Unique 3 Cyl. Optical Sensor Tester used to test 3 Cyl. Optical sensor on engine or bench, Eliminates the guesswork involved in testing trigger sensor

ORDER NO. 511-401900
Mfr. No. 511-4019

CDM MODULE TEST HARNESS
Unique design allows you to break the kill circuit without cutting the wire, Allows testing of DVA voltages from the stator and trigger while connected to the CDM Module, Can be used to Bench Test CDM Modules, Replaces: 84-825207A1

ORDER NO. 511-520701
Mfr. No. 511-5207A 1

REMOTE STARTER
Compatible w/ most 1975-2016 Johnson Evinrude Engines, Replaces Boat-side control harness at the Engine for Testing.

ORDER NO. 511-699600
Mfr. No. 511-6996

TRIGGER TESTER
Ideal for testing Mercury Marine triggers, Chrysler/Force Triggers, Chrysler Pre-Amp & Hall Effect Sensors, Johnson Evinrude V6 Quick Start Timer Bases (1998 & Newer), & Johnson Evinrude OIS Ignition, EFI

ORDER NO. 511-971000
Mfr. No. 511-9710

TOOLS & TEST EQUIPMENT

CDM MODULE TEST KIT
Can be used with all CDM Ignition Systems for Mercury. 4 Wire CDM.
Includes: 114-7509 & 511-5207A1

ORDER NO. 511-750960
Mfr. No.511-7509K 6

REMOTE STARTER SWITCH
4 & 6 Cyl. 1978 & Older Mercury Engines,
Replaces:
Boat-side control harness at engine.

ORDER NO. 511-780000
Mfr. No. 511-7800

REMOTE STARTER
1979-2006 Mercury Engines, Replaces: Boatside control harness at engine.

ORDER NO. 511-790000
Mfr. No. 511-7900

REMOTE STARTER
2006 & Older Mercruiser Engines,
Replaces:
Boat-side control harness at engine.

ORDER NO. 511-795000
Mfr. No. 511-7950

REMOTE DVA TEST HARNESS
Designed for use w/ 1978-2000 Mercury Engines w/ separate ignition packs & coils, Johnson/Evinrude 1973-2006 Carbureted Engines & Yamaha Engines.

ORDER NO. 511-977600
Mfr. No. 511-9776

OUTBOARD IGNITION LAMINATED DVA CHART

ORDER NO. 961-000300
Mfr. No. 961-0003

INSULATOR BLOCKS
1970-1975 (4HP - 1 Cyl.) 1966-1989 (4,4.5,7.5,9.8 & 20HP - 2 Cyl.)

ORDER NO. 994-398100
Mfr. No. 994-3981

DISTRIBUTOR SHAFT & ROTOR 4/6 CYL.
Fits Most 1970-1979 (Outboard Engines w/ a Distributor)

ORDER NO. 994-437100
Mfr. No. 994-4371

HARNESSES

ENGINES ADAPTER HARNESS
Adapts 1976-1995 Johnson Evinrude Engines to New Deutsch Controls. 18" Long.

ORDER NO. 423-634400
Mfr. No. 423-6344

ENGINES ADAPTER HARNESS
Adapts 1996-2016 Johnson Evinrude Engines to 1976-1995 Controls. 18" Long.

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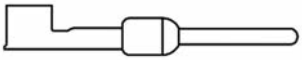

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- 6.5' cord, 120V AC
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- Piezo electronic ignition system
- Flame temperature up to 1300˚C (2500˚F)
- Windproof and waterproof flame
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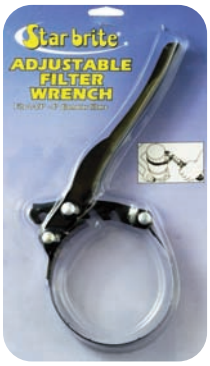

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- Continuity✓, Diode Test✓, NCV✓

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1 & 2-Cylinder Models
2 Stroke Models

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3 & 4-Cylinder Models
2 Stroke Models

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Covers all 90-300 HP, 1965-89
In-line 6 & V6 Models. 2 Stroke Models,
Includes Fuel Injection & MR Drives

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Includes Jet Drives.

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Covers all 2.5-350 HP, 2005-2011
1 to 4 Cylinder, V6 & V8
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Covers all 2.5-300 HP, 1996-2007
All 4 Stroke Models,
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Covers all 2.5-300 HP
All 4 Stroke

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Covers 1964-1991 Type 1 MR,
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Covers all Gasoline Engines, 1992-01
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18-03208

Covers all Gasoline Engines & Drives,
2001-2013
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Covers all Electric Shift
& Cable Shift Models
Incl: Select Trim 1964-1986

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Covers all Engines & Drive Systems
1986-1998

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Covers all Single & Dual Prop Models 1968-91

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VOLVO PENTA STERN DRIVE - Vol. II 1992-93

18-03602

Covers all 1992-93 Stern Drive OHC & DOHC - Volume II

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VOLVO PENTA STERN DRIVES, 1992-02

18-03606

Covers all Gasoline Engines & Drive Systems 1992-2002

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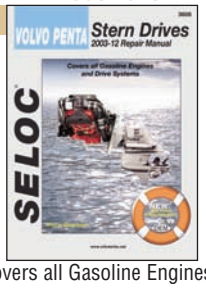
VOLVO PENTA STERN DRIVES, 2003-2013

18-03608



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Available on SelocOnline

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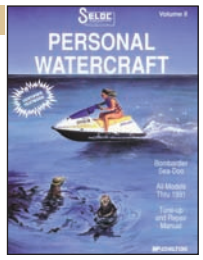
Web Only SelocOnline

SEA-DOO/BOMBARDIER All Models1988-1991 - Vol. II

18-09000



Covers all Models 1988 thru to 1991 Bombardier Sea-Doo - Volume II

ORDER NO. 918-09000

SEA-DOO PWC, 4-STROKE 2002-2011

18-09006

Covers all GTI, GTX, Pro, RXP, RXT & Wake Models with 1494cc engines

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KAWASAKI PWC, 1973-1991

18-09200

Covers all 1973-91 300 to 650 Series PWC

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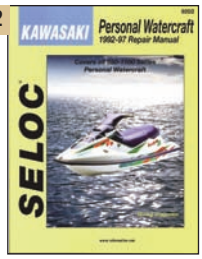
KAWASAKI PWC, 1992-1997

18-09202



Covers all 1992-97 550 to 1100 Series PWC

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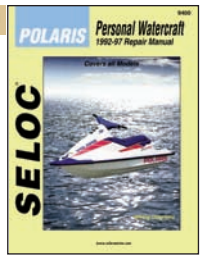
POLARIS PWC, 1992-1997

18-09400



Covers all Models 1992-97

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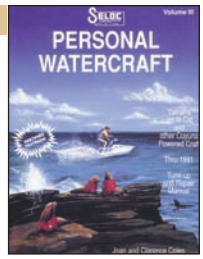
YAMAHA PWC, 1988-1991 - Vol 3

18-09600



Covers all 1987-91 - Volume III Yamaha, Jet-N-Cat & other Cuyuna-powered PWC models

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YAMAHA PWC, 1992-1997

18-09602

Covers all Models 1992-1997

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YAMAHA PWC, 2002-2011

18-09606

Covers all 2002-2011 WaveRunner FX, FZ & VX Models with 998cc, 1052cc & 1812cc 4 Stroke Engines

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Manufacturers covered include Chrysler, Force, Honda, Johnson, Evinrude, Mercruiser, Mercury, Mariner, Nissan, OMC, Suzuki, Tohatsu, Volvo, Yamaha, and Yanmar Engines with coverage dating from mid 50's forward to 2014. We have recently added coverage of Sea-Doo and Yamaha 4-Stroke PWC models through 2011.

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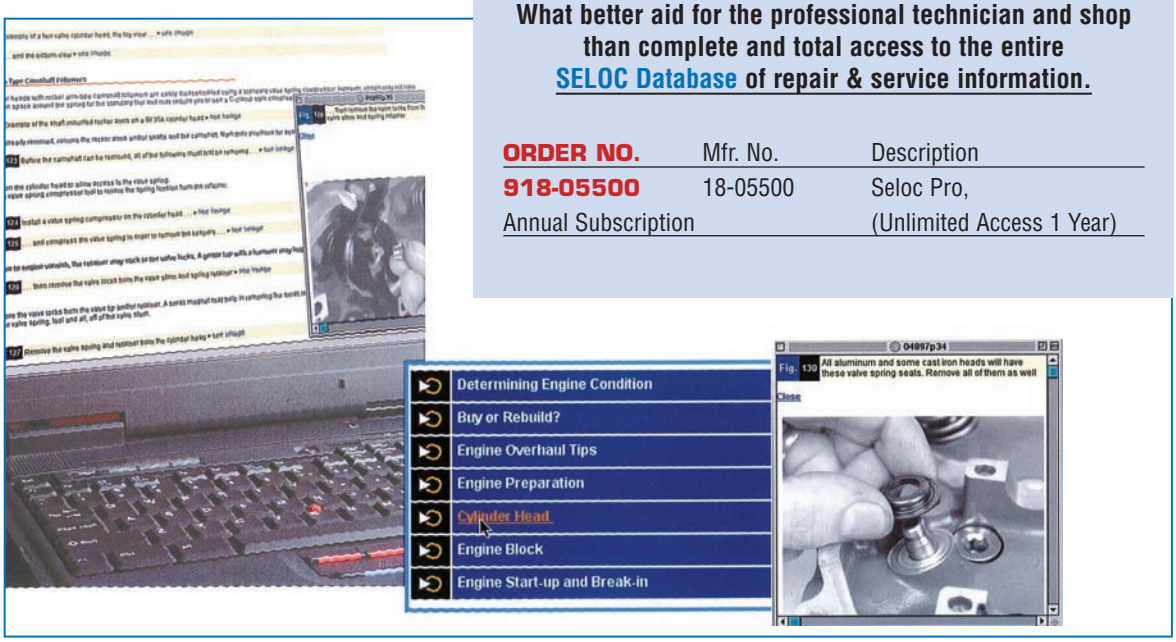

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M.E.D.S. BUYING GUIDE

Option 1: M.E.D.S. Individual Platforms:

ENGINE PLATFORM	Purchased Individually ORDER NO.	Purchased as an Add-On / Upgrade ORDER NO.
Mercury (w/o G3)	531-01180-M	531-01190-M
Mercury (Including G3)	531-01180-M2	531-01190-M2
Yamaha	531-01180-Y	531-01190-Y
Johnson / Evinrude	531-01180-B	531-01190-B
Suzuki	531-01180-S	531-01190-S
Honda / Tohatsu	531-01180-H	531-01190-H
MEFI 1-4 Gas Inboards	531-01180-14	531-01190-14
CANBus Engines	531-01180-15	531-01190-15
Volvo Penta Diesel	531-01180-V	531-01190-V
SeaDoo	531-01180-SD	531-01190-SD

The M.E.D.S. Tactisling Carry Bag is provided Free with the Purchase of a T Bundle Platform.

(1) An Engine Platform Add-On/Upgrade can only be purchased if you already own a Bundle Platform or an Individual Platform

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NAME	ORDER NO.	Includes
Basic Bundle	531-02000-T1	Mercury, Yamaha, Johnson / Evinrude
Standard Bundle	531-05000-T	Mercury, Yamaha, J/E, Suzuki, Honda, MEFI 1-4
Professional Bundle	531-05000-T3	Mercury, Yamaha, J/E, Suzuki, Honda, SeaDoo, MEFI 1-4, CANbus

Option 3: Mix and Match Custom Packages

PACKAGE DESCRIPTION	Package Includes
Older Mercury & BRP Only:	
Mercury Individual + Johnson/Evinrude	531-01180-M + 531-01190-B
Foreign Outboards Package:	
Yamaha Individual + Suzuki + Honda	531-01180-Y + 531-01190-S + 531-01190-H
Inboard Only Package:	
CANbus Individual + MEFI 1-4 + Volvo Diesel	531-01180-15 + 531-01190-14 + 531-01190-V

Additional M.E.D.S. Purchase Options

ORDER NO.	Includes
531-01190-L1	French Language Add-on
531-01190-U	Software Only Upgrade for Existing M.E.D.S. Users Prior to Version 6.0. Upgrade to the Latest Version of M.E.D.S. to Receive an Improved Graphical Presentation and M.E.D.S. Check Report.

Each M.E.D.S Bundle or Individual Platform comes with:

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3) Three installations of the M.E.D.S. Software on Flash Drive. Help files are onboard and inline with M.E.D.S. (You can request a direct internet download by providing proof of purchase)

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For more information see: www.cdielectronics.com or Call Tech Support 1-800-467-3371

MERCURY / MERCRUISER Purchased Alone: 531-01180-M — As an Add-On / Upgrade: 531-01190-M	
Mercury Optimax	**Years**
Optimax V6 135, 150, 175, 200, 225, 250, 2.5L, 3.0L	1997 - 18
Optimax I3 1.5L, 75, 90, 115 HP	2002 - 18
V6 EFI and Sport Jet	2002 - 16
2.5L EFI, 150, 175, 200, 225 HP (Using 824003 Series ECU)	1994 - 01
2.5L EFI, 150, 175, 200 HP (Using 555 Series ECU)	2002 - 06
Mercury Verado (pre-G3)	**Years**
I-4, 135, 150, 175, 200 HP	2001 - 18
I-6, 200, 225, 250, 275, 300, 350 HP	2001 - 18
Mercury 4-Stroke EFI (pre-G3)	**Years**
40, 50, 60 HP	2002 - 10
75, 90, 115 HP	2002 - 13
Mercruiser (with 555 Controller & w/o Catalytic Converters)	**Years**
4.3L MPI, 5.0L MPI, 350 Mag MPI, MX 6.2L MPI, Black Scorpion	2002 - 14
496 MAG, 496 HO MAG, 8.1L, 8.1L HO	2001 - 10
Mercruiser Racing	**Years**
1075 Sci, 414 EFI, 600 Sci, 8.1L SHO	2001 - 10
Mercury Racing	**Years**
225X, 250XS, 300X, 300XS	2001 - 10
2.5L (250) EFI	1998 - 05

MERCURY G3 Purchased Alone: 531-01180-M2 (Includes pre-G3) As an Add-On / Upgrade: 531-01190-M2	
Mercury 4-Stroke G3 & SeaPro 4-Stroke G3	**Years**
40, 50, 60, 75, 90, 115, 150 HP	2011 - 18
Mercruiser G3	
3.0L, 4.3L, 4.5L, 6.2L, 8.2L	2012 - 16
Mercury Verado G3 (G3 Software Not Required, use pre G3)	

SUZUKI Purchased Alone: 531-01180-S — As an Add-On / Upgrade: 531-01190-S	
Johnson/Evinrude 4-Strokes Built by Suzuki	**Years**
40, 50, 60, 70, 90, 115, 140, 200, 225 HP	1999 - 06
Suzuki 4-Strokes	**Years**
DF40, DF50, DF60, DF70, DF90, DF140, DF150, DF175	1997 - 12
DF70A, 80A, 90A, 100	2009 - 12
DF90, DF140	2001 - 12
DF150, DF175, DF200, DF225, DF250, DF300	2004 - 12

M.E.D.S. MARINE ENGINE DIAGNOSTIC SYSTEM — OUTBOARD APPLICATION GUIDE

CDI Electronics

YAMAHA

Purchased Alone: 531-01180-Y — **As an Add-On / Upgrade: 531-01190-Y**

Yamaha Outboards	Years
4 Stroke EFI: F115, F150, F200, F225 HP	2000 - 12
4 Stroke EFI: F40, F50, F60, F90, F250, F275, F300 HP	2008 - 12
HDPI: 150, 175, 200, 225, 250, 300 HP	1998 - 12
Mercury Manufactured by Yamaha (4-Stroke)	**Years**
30, 40, 50, 75 HP, 90 HP EFI, 115 HP EFI	2001 - 06
Yamaha Snowmobiles	**Years**
Apex GT, Mountain, ER, RTX, GTX, MTX, LTX	2006 - 09
Attak GT, Base	2006 - 07
Nytro Base, MTX, RTX, RTX-SE, FX Series	2008 - 09
Phazer Base, GT, Mountain Lite, FX, RTX, MTX, Venture Lite, RX Venture GT	2007 - 09
Yamaha Personal Watercraft (PWC)	**Years**
FX: All Models	2002 - 14
GP 1300, VX All Models, VX Deluxe	2004 - 14
FZR, XLT1200	2004

JOHNSON/EVINRUDE

Purchased Alone: 531-01180-B — **As an Add-On / Upgrade: 531-01190-B**

Johnson/Evinrude Ficht & ETEC	Years
Ficht Air Cooled EMM	1997 - 98
Ficht Water Cooled EMM	1999 - 07
ETEC Water Cooled EMM	2004 - 18

HONDA & TOHATSU

Purchased Alone: 531-01180-H — **As an Add-On / Upgrade: 531-01190-H**

Honda	Years
BF40D, BF50D	2008 -18
BF60A, BFP60A	2009 -18
B75D, BF90D, BF175A	2007 -18
BF115A, BF135A, BF150A	2005 -18
BF115D	2010 - 18
BF200A, BF225A	2002 -18
BF250A	2012 - 18
Tohatsu	**Years**
BFT60A, BFTW60A, 75A, 90A, 115A, 150A, 200A, 225A, 250A	2014 - 18

SeaDoo

Purchased Alone: 531-01180-SD **As an Add-On / Upgrade: 531-01190-SD**

Engine Models	Years
XP All Models	1996 - 04
GTX All Models	1996 - 16
GSX All Models	1996 - 01
GTI All Models	1997 - 16
GSI	1997
GTS All Models, GS	1997 - 01
SP	1997
SPX	1997 - 99
LRV All Models	2000 - 03
RX All Models	2000 - 04
3D All Models	2004 - 07
RXP All Models	2004 - 16
RXT All Models	2005 - 16
WAKE All Models	2007 - 16
GTR	2012 - 16
SAR, Spark All Models	2014 - 16

YAMAHA

Purchased Alone: 531-01180-Y **As an Add-On / Upgrade: 531-01190-Y**

Yamaha Personal Watercraft (PWC)	Years
FX: All Models	2002 - 14
GP 1300, VX All Models, VX Deluxe	2004 - 14
FZR, XLT1200	2004

GM MEFI Versions 1-4

Purchased Alone: 531-01180-14 **As an Add-On / Upgrade: 531-01190-14**

MEFI 1-4 Equipped	Years
Crusader / Pleasurecraft Marine	1992 - 06
Flagship Marine	1992 - Up
GM Ramjet 350	1992 - Up
Indmar	1992 - 07

M.E.D.S. MARINE ENGINE DIAGNOSTIC SYSTEM — OUTBOARD APPLICATION GUIDE

CDI Electronics

GM MEFI Versions 1-4	
Purchased Alone: 531-01180-14 — As an Add-On / Upgrade: 531-01190-14	
MEFI 1-4 Equipped	**Years**
Kodiak Marine	1992 - 08
Marine Power	1992 – 08
Mercury / Mercruiser	1992 - 00
Mercury / Mercruiser Racing HP500	1992 - 10
Panther Air Boats	1992 - Up
TurnKey Engines	2001 - 07
Volvo Penta Gas	1992 - 05

CANbus Controlled Gas Engines	
Purchased Alone: 531-01180-15 — As an Add-On / Upgrade: 531-01190-15	
MEFI 4b, 5, 6 Equipped	**Years**
Flagship Marine	2008 - Up
Ilmor Marine	2008 - Up
Indmar (MEFI 5-6 Only)	2007 - Up
Kodiak Marine	2008 - Up
Marine Power	2008 - Up
Panther Air Boats	2008 - Up
Seven Marine	2012 - Up
TurnKey Engines	2008 - Up
Volvo Penta EGC Controllers - Coming Soon	2007 - Up

Volvo Penta Diesel Engines	
Purchased Alone: 531-01180-V — As an Add-On / Upgrade: 531-01190-V	
D6	2004 - 14

CDI Electronics

For more information: see www.cdielectronics.com or
Call CDI Tech Support 1-866-423-4832

SYNTEC®

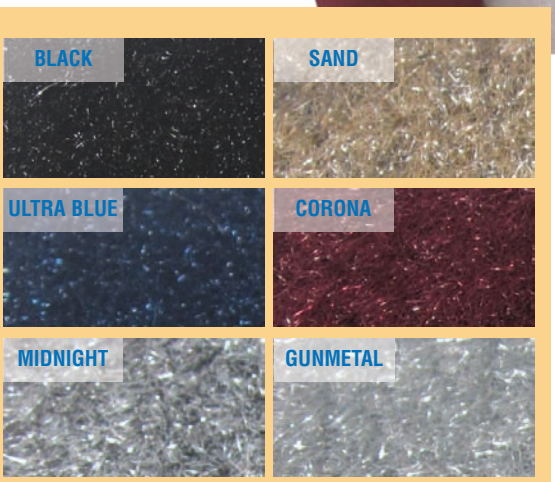
MARINE GRADE REPLACEMENT CARPET

AGGRESSOR 160 MARINE CARPET

This superior quality indoor/outdoor carpeting is made from 100% ultra-violet stabilized coloured BCF Polypropylene, finished with Grey Tuf Loc Back. Specially formulated marine backing designed to lock in the tufts and keep the edges from raveling, for glue down. Long after carpet of conventional man-made coloured BCF fibers starts fading, the yarn in AGGRESSOR continues to show its true colours. AGGRESSOR is inherently stain resistant, meets or exceeds non-flammability requirements, and comes in six attractive colours.

Carpet is available in 6 foot and 8 foot widths in certain colours and is sold by the running foot. (Standard roll 100')
For best results It is suggested to use Syntec® Certified Adhesive

Colours	6 ft. Wide Carpet Sold per foot	8 ft. Wide Carpet Sold per foot
	ORDER NO.	ORDER NO.
BLACK	235-06005	N/A
SAND	N/A	235-86012
ULTRA BLUE (Navy)	235-06074	235-86074
CORONA (Burgundy	235-06393	235-86393
MIDNIGHT (Charcoal)	235-06743	235-86743
GUNMETAL (Grey)	N/A	235-86832



NOTE:
- *Cut lengths of carpet are NON-RETURNABLE*
- *Maximum of 40' x 6' can be shipped UPS*
- *Larger lengths can be shipped by truck*

Specifications

*FIBER	100% BCF Olefin
*DENIER	2400
*PRIMARY BACKING	Woven Polypropylene
*SECONDARY BACKING	Grey Tuf Loc*
*ROLL LENGTH	100 feet
*STANDARD WIDTHS	6 feet & 8 feet
*SHIPPING WEIGHTS	6 feet - 145 lbs. 8 feet - 176 lbs.

***Grey Tuf Loc** is a special backing designed for superior tuft lock and ravel reduction. It is light weight, drains easily and is flexible to mold to odd contours.*

SYNTEC® CERTIFIED PONTOON DECK ADHESIVE CARPET GLUE

CARPET ACCESSORIES

ORDER NO.	Description
235-57150-1	Pontoon Deck Adhesive Carpet Glue 1 Gallon Pail - 3.79 Litre (Covers 65 sq.ft)
601-08080	3M General Trim Adhesive (16.75 oz.) Aerosol for bonding a variety of materials including carpet.
235-10001	Carpet Sample Board

Use for bonding rubber backed, marine grade carpet and polyester, non-woven backed marine grade floor vinyl to marine grade plywood decking
- Water Base
- Solvent Free
- Low Odor
- Water resistant

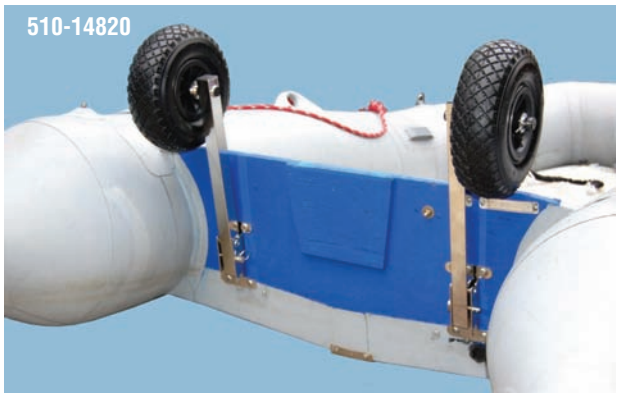
For more information see: www.syntecind.com

WHEEL-A-WEIGH

Get your small craft to and from the water quickly and easily!

- 316 Stainless steel frame and pivot bracket
- Complete installation instructions included
- Precision molded, non-corrosive wheel hubs
- Transom wheels are portable and removable
  A detent pin on each pivot bracket lets you position the wheels up or down, or remove them completely for storage
- Mounted wide on the transom, allowing load distribution and leaves clearance for outboard motors. In most cases, the boat can be operated without removing the wheels

NOTE: Not designed to be towed behind a vehicle



WHEEL-A-WEIGH STANDARD

- Inflatable 10" tires (26cm)
- 220 lb. capacity (100kg) handles most boats with motors up to 10hp
- Straight wheel frames
- Weight: 9 lbs.

ORDER NO. 510-14820
Mfr. No. 1482

WHEEL-A-WEIGH EXTRA-DUTY

- Inflatable 14" tires (36cm) with roller bearings inside the hub
- 330 lb. capacity (150kg)
- Curved wheel frames, allowing wheels to pivot under the boat, allowing moving heavier loads easier
- Weight: 15 lbs.

ORDER NO. 510-14830
Mfr. No. 1483

Wheel-a-Weigh™
LAUNCHING WHEELS

For more information see: www.davisinstruments.com

MEGAWARE
FlexStep Pro®

Megaware FlexStep® Pro is an innovative multi-angle/extendable step system that attaches to your trailer frame, allowing easy access to virtually anywhere on your boat.

The Megaware FlexStep® Pro makes boating more convenient than ever. This innovative multi-angle/extendable step system attaches to your trailer frame, allowing easy access to virtually anywhere on your boat. A quick, spring loaded pull handle and locking pin system adjusts the Megaware FlexStep® Pro to 16 positions for maximum reach.

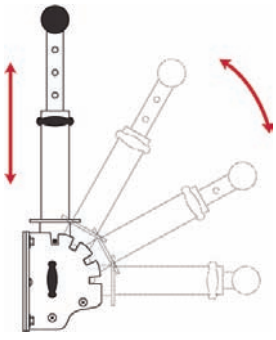
Megaware FlexStep® Pro is manufactured from lightweight, high tensile 6063-T6 anodized aluminum ensuring the highest quality. Each step safely holds up to 300 lbs.

* Larger trailer frames may be accommodated by purchasing longer bolts available at any hardware store.

- 16 Adjustable Positions
- Extends from 17 to 21 Inches
- Removable for safe travel and stowing
- Fits Most Trailer Rails
- Easy boat entry and exit
- Easy access to windows and storage
- Easy installation and stowing

ORDER NO.	Mfr. No.
660-80011	80011

For more information see: www.keelguard.com



OUTBOARD MOTOR STAND

- Powder coated steel frame
- Includes a solid and durable High-Density HDU/PU (Polyurethane) mounting board
- Solid Polyurethane wheels with a heavy-duty steel shaft
- Features 175 lbs. capacity, and can handle up to 30HP 4 stroke outboard motors
- Includes a heavy duty cloth tool bag & buckle strap for the fuel tank
- Features rubber handles with an ergonomic grip
- Includes user-friendly assembly instructions and all of the required tools
- Easy to assemble
- Ideal for holding, moving and displaying outboard motors

ORDER NO. 108-26942 Mfr. No. 10826942

DELUXE OUTBOARD MOTOR TROLLEY

- Powder coated steel frame
- Includes a solid and durable High-Density HDU/PU (Polyurethane) mounting board
- Features 4" x 8" solid rubber rear wheels with 2" x 3" front casters and a heavy-duty steel shaft
- Features 315 lbs. capacity
- Includes a heavy duty cloth tool bag & buckle strap for the fuel tank
- Features rubber handles with an ergonomic grip
- Includes user-friendly assembly instructions and all of the required tools
- Easy to assemble
- Ideal for storing, moving and displaying outboard motors

ORDER NO. 108-26943 Mfr. No. 10826943

For more information see:
www.titanmarineproducts.com

SMITH™

OUTBOARD MOTOR DOLLY

- Made from 14 gauge powder coated steel with a weather resistant synthetic wood mounting block
- 250 lb. capacity
- 8" Wheels & 4" Casters
- Overall Height: 45"
- Folds flat for easy storage when not in use
- Some assembly required

ORDER NO. 336-27580
Mfr. No. 27580 (Red in Colour)

PWC DOLLY

Excellent for storage or transport.
Galvanized tubular frame with four 300 lb. capacity casters.
Two 4 ft. carpeted bunks tilt & adjust to 12", 16" or 20" width

- 1000 lb. capacity
- 34"W x 48"L x 19"H

ORDER NO. 336-27575
Mfr. No. 27575

For more information see: www.cesmithco.com

SUBMERSIBLE UNDER 80" TAIL LIGHTS

These lights are ideal for boat and PWC trailers less than 80" wide. Fully gasketed, screw on main and side marker lens allow for easy bulb replacement. Universal 2" on-center stud mount.
5.25" x 4.66" x 3.76" overall height

ORDER NO.	Mfr. No.	Description
252-30730	2523073	6-Function, Right/Curbside
252-30230	2523023	7-Function, Left/Roadside
113-54001	54001	Replacement Lens, 80" Tail Light Lens, (2 per pkg.)
113-54002	54002	Lens Red, Clearance/Side Marker w/Screws, (2 per pkg.)

SUBMERSIBLE UNDER 80" TAIL LIGHT KIT

This kit comes complete with two pre-wired tail lights, 25' trailer wiring harness cable with molded four prong plug, 4' four wire car wiring harness cable with molded 4-way plug plus licence plate bracket
5.25" x 4.66" x 3.76" overall height

ORDER NO.	Mfr. No.	Description
252-75110	2527511	Trailer Light Kit w/25' Wire Harness
113-54001	54001	Replacement Lens, 80" Tail Light Lens, (2 per pkg.)
113-54002	54002	Lens Red, Clearance/Side Marker w/Screws, (2 per pkg.)

SUBMERSIBLE OVER 80" TAIL LIGHTS

Fully gasketed, screw on main and side marker lens allow for easy bulb replacement. Universal 2" on-center stud mount. These lights meet FMVSS/CMVSS 108 requirements for trailers over 80" wide when properly mounted. Pre-wired for easy installation.
6.29" x 4.66" x 3.76" overall height

ORDER NO.	Mfr. No.	Description
252-30740	2523074	7-Function, Right/Curbside
252-30240	2523024	8-Function, Left/Roadside
113-54001	54001	Replacement Lens, 80" Tail Light Lens, (2 per pkg.)
113-54003	54003	Lens Red, Clearance/Side Marker w/Screws, (2 per pkg.)

COMBINATION UNDER 80" TAIL LIGHTS #80 SERIES

Universal 2" on center stud mounting. Screw-on main and side marker lens allow for easy bulb replacement. This tail light is designed for a variety of under 80" light-duty trailers. Wiring uses the quick connect and disconnect feature. These tail lights meet FMVSS/CMVSS 108 requirements
4-3/4" x 4-1/2" x 2-9/16"

ORDER NO.	Mfr. No.	Description
282-23283	2823283	7-Function, Left/Roadside
282-23284	2823284	6-Function, Right/Curbside
113-54001	54001	Replacement Lens, 80" Tail Light Lens, (2 per pkg.)
113-54002	54002	Lens Red, Clearance/Side Marker w/Screws, (2 per pkg.)

WATERPROOF LED OVER 80" WRAP-AROUND TAIL LIGHTS

Waterproof surface mount tail lights. Wrap-around design eliminates the need for rear side marker/reflector. These lights meet FMVSS/CMVSS 108 requirements. Plug-in 12" harness with 2-way flat connector and ring terminal ground wire. Stainless steel mounting hardware included. 7.53" x 3.48" x 3.13"

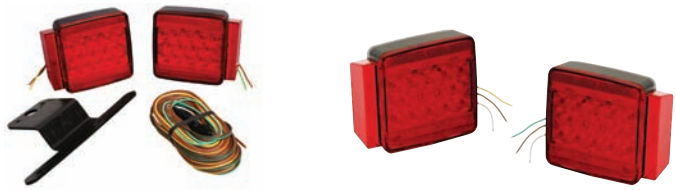
ORDER NO.	Mfr. No.	Description
281-59400	281594	7-Function, Right/Curbside
281-59500	281595	8-Function, Left/Roadside
112-28150	281500	Trailer Light Kit w/ 25' Wire Harness (Wrap Around)

NEW!

SUBMERSIBLE OVER 80" 4 X 6 LOW PROFILE TAIL LIGHTS

Unique, compact size and shape allows these lights to fit where space is limited. The lens is sonically-sealed to the base providing a “bell jar”, making this lamp fully submersible with easily replaceable bulbs. These lights meet FMVSS/CMVSS 108 requirements for trailers over 80" wide when properly mounted. Pre-wired with 2-way molded plugs and ring terminal ground for easy installation.
6" x 3-1/2" x 2-1/4"

ORDER NO.	Mfr. No.	Description
114-03075	403075	6-Function, Right/Curbside
114-03025	403025	7-Function, Left/Roadside



SUBMERSIBLE LED UNDER 80" COMBINATION TAIL LIGHTS

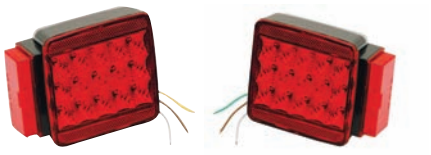
These lights are ideal for boat and PWC trailers less than 80" wide and meet FMVSS/CMVSS 108 requirements. Stud mounted using 2" O.C. industry standard stud configuration. Prewired (supply & ground) for easy installation. 5.12" x 4.50" x 1.85" w/.86" depth

ORDER NO.	Mfr. No.	Description
112-28306	283006	7-Function, Left/Roadside
112-28356	283056	6-Function, Right/Curbside
112-28752	287512	Trailer Light Kit w/ 25' Wire Harness

WATERPROOF LED OVER 80" 4X6 LOW PROFILE TAIL LIGHTS

Unique, compact size and shape allows these waterproof lights to fit where space is limited. Meets FMVSS/CMVSS 108 requirements for trailers over 80" wide when properly mounted. Includes stainless steel mounting hardware. 6" x 3.5" x 2-1/4"

ORDER NO.	Mfr. No.	Description
114-07550	407550	7-Function, Right/Curbside, w/3 Wire 90˚ Pigtail
114-07555	407555	8-Function, Left/Roadside, w/3 Wire 90˚ Pigtail
114-07560	407560	Trailer Light Kit w/ 25' Wire Harness



SUBMERSIBLE LED OVER 80" COMBINATION TAIL LIGHTS

Ideal for boat & PWC trailers. Meets FMVSS/CMVSS 108 requirements for trailers over 80" wide when properly mounted. Stud mounted using 2" O.C. industry standard stud configuration. Pre-wired (supply& ground) for easy installation. 5.48" x 4.50" x 1.85" with 0.86" depth.

ORDER NO.	Mfr. No.	Description
112-28308	283008	7-Function, Left/Roadside
112-28350	283500	Trailer Light Kit w/ 25' Wire Harness

WATERPROOF/SEALED RECESSED TAIL LIGHTS #06 SERIES

Oval design allows for installation in narrower channels. Hermetically sealed lens prevents corrosion contributed by salt and rain. Structurally immune to extreme heat and cold. Lenses meet FMVSS/CMVSS 108 requirements.

ORDER NO.	Mfr. No.	Description
113-30800	403080	Red Stop/Tail/Turn Light, w/Grommet, w/Standard Pigtail
113-30850	403085	Replacement Red Stop/Tail/Turn Light
113-30860	416088	Replacement 6" Oval Grommet
131-06873	106873	Replacement 6" Oval Mounting Bracket

WATERPROOF LED 6" OVAL GROMMET MOUNT TAIL LIGHTS

Featuring LED Technology, these grommet mount lights with 10 diodes are waterproof and meet FMVSS/CMVSS 108 requirements. Approved for vertical or horizontal mounting. Grommet, 3 prong wiring pigtail and 11 ga. steel mounting bracket available separately. 6.42" x 2.28" x 1"

ORDER NO.	Mfr. No.	Description
112-83561	283561	Red Stop/Tail/Turn Light
112-83564	283564	Amber Turn Light
112-83565	283565	White Backup Light
113-30860	416088	Replacement 6" Oval Grommet
131-06873	106873	Replacement 6" Oval Mounting Bracket

WATERPROOF LED 6" OVAL GROMMET MOUNT TAIL LIGHTS

Featuring LED Technology, these grommet mount lights are waterproof and meet FMVSS/CMVSS 108 requirements. Lights are mounting-orientation specific. 6-1/2" x 2-5/16" x 7/8"

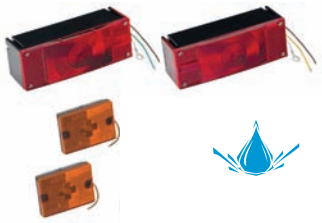
ORDER NO.	Mfr. No.	Description
114-01584	401584	Red Stop/Tail/Turn Light, Horizontal Mount
113-30860	416088	Replacement 6" Oval Grommet
131-06873	106873	Replacement 6" Oval Mounting Bracket

WATERPROOF LED OVER 80" 3X8 LOW PROFILE TAIL LIGHT KIT

Kit comes complete with two low profile tail lights, 25' trailer wiring harness cable with molded 4-way plug. 4' car wiring harness cable with molded 4-way plug and licence plate bracket.

ORDER NO.	Mfr. No.	Description
114-07540	407540	Trailer Light Kit w/ 25' Wire Harness

WATERPROOF OVER 80" 3X8 LOW PROFILE TAIL LIGHT KIT



The kit comes complete with two tail lights, two sealed amber surface mount clearance/side marker lights with reflex lens, 25' trailer wiring harness cable with molded four prong plug, 4' four wire car wiring harness cable with molded 4-way plug plus licence plate bracket.

ORDER NO.	Mfr. No.	Description
114-33360	403336	Lens Set Red, (2) Tail Light and (2) Clearance/Side Marker w/Screws
107-72750	707275	4' Wiring Harness w/4-Way Flat Car End

542-09002 542-09001

LED WORK LIGHTS

LED work lights perfect for exterior use in AG, horse, livestock, RV, industrial and racing applications. Environmentally sealed design with aluminum housing and stainless steel mounting stud. High power, true white 9-36V, 10W light emission. Rectangular version with 10 LED diodes, circular model has 8 LED diodes.
Circular: 4.5" dia. x 1.5" depth
Rectangular: 4" x 4" x 1.5" depth

ORDER NO.	Mfr. No.	Description
542-09001	54209-001	Circular LED Light, 8 Diodes
542-09002	54209-002	Rectangular LED Light, 10 Diodes

For more information see: www.wesbar.com

103-30760

103-30260

WATERPROOF OVER 80" 3X8 LOW PROFILE TAIL LIGHTS

Featuring a reliable waterproof design, these lights have a bulb replaceable capsule that protects the bulbs from corrosion and thermal shock but still allows for easy access for bulb replacement. These lights meet FMVSS/CMVSS 108 requirements for trailers over 80" wide when properly mounted.
8.03" x 2.94" x 2.83"

ORDER NO.	Mfr. No.	Description
103-30760	403076	7-Function, Right/Curbside, Two Supply Wires & Ring Terminal Ground
103-30260	403026	8-Function, Left/Roadside, Two Supply Wires & Ring Terminal Ground

WATERPROOF LED OVER 80" 3X8 LOW PROFILE TAIL LIGHTS

These waterproof lights meet FMVSS/CMVSS 108 requirements for trailers over 80" wide when properly mounted. Includes stainless steel mounting hardware. Includes 3-wire plug-in harness with 12" wire leads and 7" ring terminal ground.8" x 3.5" x 3"

ORDER NO.	Mfr. No.	Description
114-07530	407530	7-Function, Right/Curbside
114-07535	407535	8-Function, Left/Roadside

542-09017 542-09018

LED WORK LIGHTS WITH COILED CORD & MAGNETIC BASE

LED work lights perfect for exterior use in AG, horse, livestock, RV, industrial and racing applications. Environmentally sealed design with 19' extended coiled cord. Magnetic base, with protective film, secures in high vibration conditions in a vertical or horizontal position. Power adapter for 12V outlet with separate on/off switch. High power, true white 9-36V, 10W light emission.Rectangular version with 10 LED diodes, circular model has 8 LED diodes.
Circular: 4.5" dia. x 1.875" depth
Rectangular: 4" x 4" x 1.75" depth

ORDER NO.	Mfr. No.	Description
542-09017	54209-017	Circular LED Light, w/Cord, Magnetic Base, 8 Diodes
542-09018	54209-018	Rectangular LED Light, w/Cord, Magnetic Base, 10 Diodes

WATERPROOF CLEARANCE/SIDE MARKER LIGHTS

Sonically-sealed waterproof clearance/side marker lights with break-resistant polycarbonate lens. Available in either stud-mount or ear-mount styling. Features a pre-installed 15" pigtail. Meets FMVSS/CMVSS 108 requirements for clearance/marker lights when properly mounted.
Stud: 2-1/8" x 1-1/8" x 1-1/16"
Ear: 3-5/16" x 1-5/16" x 1"

ORDER NO.	Mfr. No.	Description
113-32860	203286	Clearance Light Red w/White Ear-Mount Base
113-32850	203285	Clearance Light Amber w/White Ear-Mount Base
113-32330	203233	Clearance Light Amber w/White Stud-Mount Base
113-32340	203234	Clearance Light Red w/White Stud-Mount Base

ORDER NO.	Mfr. No.	Description
113-30860	20388	6" Oval Grommet

WATERPROOF/SEALED CLEARANCE/ SIDE MARKER LIGHTS #30 SERIES

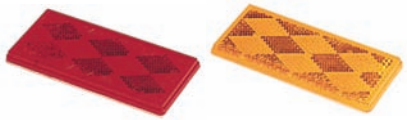
Clearance/side marker light with grommet designed for quick and easy installation. Rugged ABS base that has the acrylic lens sonic welded to the base. Flush mount rubber grommet and two wire pigtail can be purchased separately or as a kit.
2" dia. x 3/4", 2-3/4" dia. w/grommet
Cutout: 2-5/16" dia.

ORDER NO.	Mfr. No.	Description
113-33810	203381	Clearance Light Module #30 Red
113-33800	203380	Clearance Light Module #30 Amber

WATERPROOF CLEARANCE/SIDE MARKER LIGHTS

Sonically-sealed waterproof clearance/side marker lights with break-resistant polycarbonate lens. Available in either stud-mount or ear-mount styling. Features a pre-installed 15" pigtail. Meets FMVSS/CMVSS 108 requirements for clearance/marker lights when properly mounted.
Stud: 2-1/8" x 1-1/8" x 1-1/16"
Ear: 3-5/16" x 1-5/16" x 1"

ORDER NO.	Mfr. No.	Description
103-33370	003337	Lens Red, Clearance Light w/ Screws



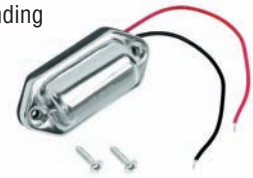
RECTANGULAR REFLECTORS

Rectangular: Class "A" Acrylic reflector, hermetically sealed, with an adhesive fiber back for instant mounting.
3-1/4" x 1-1/2"

ORDER NO.	Mfr. No.	Description
113-33580	003358	Red w/ Adhesive Back
113-33570	003357	Amber w/ Adhesive Back

LICENCE PLATE LIGHT

Durable licence plate illuminators that are dirt and moisture resistant. Housing is chrome plated steel with half shaded white lens. Mini compact lights feature two wire construction, mounting gasket and screw. Bullet Snap-in light with self-grounding single wire construction.
2-5/8" x 1-1/4" x 1"
1" cutout - Bullet Snap-in



ORDER NO.	Mfr. No.	Description
542-06001	54206-001	LED Mini Compact Light

For more information see:
www.wesbar.com

WATERPROOF LED CLEARANCE/SIDE MARKER LIGHTS #37 SERIES

Waterproof LED clearance/side marker light designed for easy installation. Snap lock base mount. Tested and certified to FMVSS/CMVSS 108 side marker/clearance light requirements. P2 rated.
Module Only: 2.60" x 1.20" x 1.03" overall height
Module w/Base: 2-7/8" x 1-1/2" x 1"

ORDER NO.	Mfr. No.	Description
114-01580	401580	LED, 2" Amber w/Black Base, with 6 ft. Pigtail
114-01581	401581	LED, 2" Red w/Black Base, with 6 ft. Pigtail

WATERPROOF LED CLEARANCE/SIDE MARKER LIGHTS #99 SERIES

Waterproof mini LED clearance/side marker light with single wire, 12" minimum. Self-grounding stud mounting with 1/4" required hole. Includes type 302 stainless steel hardware.
Meets FMVSS/CMVSS 108 requirements.
PC rated when properly mounted.
2.16" x 1.16" x 1.03" w/.72" depth

ORDER NO.	Mfr. No.	Description
114-01565	401565	Clearance Light LED #99 Amber
114-01566	401566	Clearance Light LED #99 Red

LED CLEARANCE/SIDE MARKER LIGHTS #38 SERIES

LED clearance/side marker light designed for easy installation. Snap lock base mount. Fully tested and certified to FMVSS/CMVSS 108 side marker/clearance light requirements. P2 rated.
Module Only: 3.93" x 1.22" x 1.02" overall height
Fender Mount Module Only: 3.95" x 1.24" x 1.038" overall height

ORDER NO.	Mfr. No.	Description
114-01582	401582	Amber w/ Black Base w/Pigtail

LED CLEARANCE/SIDE MARKER LIGHT KITS #58 SERIES

LED oblong clearance/side marker light with snap lock base mount.
4" x 2" x 1"

ORDER NO.	Mfr. No.	Description
114-01586	401586	Red with White base

LED WATERPROOF ID LIGHT BAR #80 SERIES

Light bar with three waterproof red lights.
Stainless steel base with stud mounting.
14-1/4" x 1-3/16" x 1-1/16"

ORDER NO.	Mfr. No.	Description
114-01567	401567	LED Light Bar, w/Red Lens

WATERPROOF ID LIGHT BAR

Sonically-sealed, impact-resistant polycarbonate lens and housing ensure a waterproof module. Meet or exceed all applicable state and federal regulations specified for vehicles 80" wide or wider. Three sealed polycarbonate lamps on 6" centers lead to a stainless steel base completing the best line up of waterproof light bars available today.
14-1/2" x 1-1/8" x 1"

ORDER NO.	Mfr. No.	Description
113-33150	203315	LED Light Bar, w/Red Waterproof Modules (White Bases)

15" SLIMLINE® LED STOP, TAIL AND TURN LIGHTS

- Operates 9-16 Volt DC Systems
- 11 LED Configuration
- 100,000 Hours of Service Life
- Sonically Sealed Polycarbonate Light Bar
- Energy Draw 250 mA
- Mounted Vertical, Horizontal, or 45 Degrees
- Space/Channel Saver Design
- Impact Resistant
- Patent # 512790

ORDER NO.	Mfr. No.	Colour	Lens Colour
250-44007	250-4400-7	Red	Red
250-45007	250-4500-7	Red	Clear

For more information see: www.innovativelight.com

15" SLIMLINE® LED IDENTIFICATION LIGHT 3RD BRAKE INDICATOR

- Operates 9-16 Volt DC Systems
- 3 LED Configuration
- Required for Trailers, Campers & Trucks Over 80" in Overall Width
- Rated @ 100,000 Hours of Service Life
- Shock and Vibration Proof
- No Corrosion
- Sealed Marker Lights
- Impact Resistant Polycarbonate Housing
- Energy Draw 65 mA
- Interchangeable with Most Manufacturers
- 2 wire
- Trademark # 3,191,039

ORDER NO.	Mfr. No.	Colour	Lens Colour
251-45007	251-4500-7	Red	Clear

15" LED TRI-BAR IDENTIFICATION LIGHT

- Rated @ 100,000 Hours of Service Life
- 3 Sonically Sealed Marker Lights
- Shock and Vibration Proof
- No Corrosion
- Impact Resistant ABS Housing
- Energy Draw 70 mA
- Weatherproof
- Interchangeable with Most Manufacturers
- Required for Trailers, Campers and Trucks Over 80" in Overall Width
- 2 Wire

ORDER NO.	Mfr. No.	Colour	Lens Colour
220-44007	220-4400-7	Red	Red

HYLITE LED IDENTIFICATION LIGHT BAR

- Operates 9-16 Volt DC Systems
- Rated @ 100,000 Hours of Service Life
- 3-LED Configuration
- Sonically Sealed Polycarbonate Light Bar
- Shock and Vibration Proof
- No Corrosion
- Energy Draw 70 Milliamps
- Weatherproof
- Required for Trailers, Campers and Trucks Over 80" (2.032 meters) in Overall Width
- 2 Wire
- Patent # D532,919

ORDER NO.	Mfr. No.	Colour	Lens Colour
221-44007	221-4400-7	Red	Red

TIE DOWN
MANUFACTURING INGENUITY

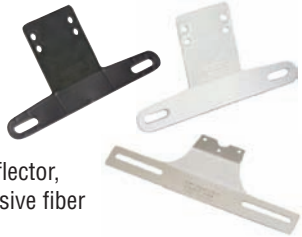
LICENCE PLATE MOUNTING BRACKET

Made of heavy-duty aluminum treadbrite material.
Multiple hole placement provides universal mounting options.

ORDER NO.	Mfr. No.
404-86565	86565

For more information see www.tiedown.com

Wesbar®



LICENCE PLATE BRACKETS

Rectangular: Class "A" Acrylic reflector, hermetically sealed, with an adhesive fiber back for instant mounting.
3-1/4" x 1-1/2"

ORDER NO.	Mfr. No.	Description
103-32110	003211	Plastic, Black
103-32130	003213	Plastic, White
534-72100	34-72-100	Zinc Plated-16 Gauge,

For more information see: www.wesbar.com

LONG LASTING MARINE LIGHTING from INNOVATIVE LIGHTING inc.™

LED RECTANGULAR TAIL LIGHT KIT

- Operates 9-16 Volt DC Systems
- Rated @ 100,000 Hours of Service Life
- Sealed Polycarbonate Lens and Housing
- Shock and Vibration Proof
- No Corrosion
- Submersible

Tail Lights
- 9 LED Configuration
- Left-Hand Light has LED License Plate Illumination
- Energy Draw 350 m
- Size: 7.75"L X 3.75"W X 2.75"D

ORDER NO.	Mfr. No.	Description
283-44827	283-4482-7	Tail Light Kit, Red, Fits under 80" Application
287-44827	287-4482-7	Tail Light Kit, Red, Fits over 80" Application

LED RECTANGULAR TAIL LIGHT - RIGHT HAND

- Operates 9-16 Volt DC Systems
- Rated @ 100,000 Hours of Service Life
- 9 LED Configuration
- Sealed Polycarbonate Lens and Housing
- Energy Draw 350 Milliamps
- Shock and Vibration Proof
- No Corrosion
- Submersible
- 6 Function

ORDER NO.	Mfr. No.	Description
285-44007	285-4400-7	Tail Light - RH, Fits over 80" Application

LED RECTANGULAR TAIL LIGHT - LEFT HAND

- Only Left Hand Side with License Plate Illuminator
- Operates 9-16 Volt DC Systems
- Rated @ 100,000 Hours of Service Life
- Fits Over 80" Applications
- 7 Function, 9 LED Configuration
- Sealed Polycarbonate Lens And Housing
- Energy Draw 350 Milliamps
- Shock and Vibration Proof
- No Corrosion
- Submersible

ORDER NO.	Mfr. No.	Description
286-44007	286-4400-7	Tail Light - LH, Fits over 80" Application

For more information see: www.innovativelight.com

LED TRAILER LIGHTING

OVAL 6" LED - STOP, TAIL & TURN LIGHT - GROMMET MOUNT

- 10 LED Configuration
- 100,000 Hours of Service Life
- Sonically Sealed Polycarbonate Light Bar
- Energy Draw 250 Milliamps
- Mounted Vertical, Horizontal, or 45 Degrees
- Impact Resistant
- Includes Grommet Rubber

ORDER NO.	Mfr. No.	Colour
260-44007	260-4400-7	Red

6" OVAL LED - STOP, TAIL AND TURN - SURFACE MOUNT

- Operates 9-16 Volt DC Systems
- 10 LEDs
- 100,000 Hours of Service Life
- Sonically Sealed Polycarbonate Light Bar
- Energy Draw 250 Milliamps
- Mounted Vertical, Horizontal, or 45 Degrees
- Impact Resistant
- Requires 1/2" (.500) Hole
- Includes Chrome Trim Ring

ORDER NO.	Mfr. No.	Colour
261-44007	261-4400-7	Red

2.6" OVAL P2/P3 LED CLEARANCE & MARKER LIGHT

- Operates 9-16 Volt DC Systems
- 2 LEDs
- Engineered lens optics - clearance, side marker, or identification light
- Waterproof seal
- 2.6" x 1.1"

ORDER NO.	Mfr. No.	Colour
001-10010	100-1100-7	Amber

2.5" OVAL LED SIDEMARKER / CLEARANCE LIGHTS W/CHROME TRIM RING

- Operates 9-16 Volt DC Systems
- 2 LED Configuration
- 100,000 Hours of Service Life
- Sonically Sealed Polycarbonate Lens & Housing
- Shock and Vibration Proof
- P2 P3 Rated
- Impact Resistant
- Energy Draw 55 mA
- Mounted Horizontally Only

ORDER NO.	Mfr. No.	Colour	Lens Colour
200-11007	200-1100-7	Amber	Amber
200-15007	200-1500-7	Amber	Clear
200-44007	200-4400-7	Red	Red
200-45007	200-4500-7	Red	Clear

RECTANGULAR LED SIDEMARKER / CLEARANCE LIGHT W/REFLECTIVITY

- Single LED Configuration
- Rated @ 100,000 Hours of Service Life
- Snap-On/Off Polycarbonate Lens
- Shock and Vibration Proof
- P2 P3 Rated
- Impact Resistant ABS Housing
- Energy Draw 50 Milliamps
- 6" Wire Leads

ORDER NO.	Mfr. No.	Colour
202-11007	202-1100-7	Amber

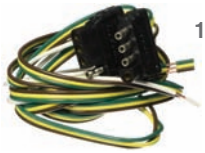
INNOVATIVE LIGHTING inc.™

Wesbar

4-WAY & 5-WAY FLAT WIRE HARNESSES

Colour coded harnesses in various lengths available with car and trailer end connects. Trailer ends can be purchased in straight lengths, loops, wunside or wishbone harness styles. Various length and combinations are available.

107-71050



107-72700

107-72730

107-72750

107-72850

107-71030

ORDER NO.	Mfr. No.	Description
107-72750	707275	4-Way Flat 4 Ft. Car End, 18" Ground
107-72850	707285	4-Way Flat 18" Trailer End, Wunside Harness, 18" Ground
107-72700	707270	4-Way Flat 18" Trailer End, Wishbone Harness, 18" Ground w/4 Ft. Car, 18" Ground
107-71030	707103	4-Way Flat 25 Ft. Trailer End, Wishbone Harness Kit w/Hardware, 3 Ft. Ground w/4Ft. Car End, 18" Ground
107-71050	707105	5-Way Flat 25 Ft. Trailer End, Wishbone Harness Kit w/Hardware, 4 Ft. Ground, 5Ft. Auxiliary w/6 Ft.Car End, 6 Ft Ground, 6 Ft. Auxilary

TEKONSHA

7-WAY TO 4-WAY RETRACTABLE WIRING ADAPTER

Converts 7-way round blade connector to standard 4-way flat connector. Adjusts length up to 42", no wires dragging on the ground. Retractable 4-way flat car end plug connects with standard 4-way flat trailer end plug. Adapts to factory 7-way blade receptacle. Protects & stores when not in use.

ORDER NO.	Mfr. No.	Description
107-78007	78007	7-Way Round Blade to 4-Way Flat

TEKONSHA

7-WAY TO 4-FLAT W/LED CIRCUIT TESTER

Easily adapt OEM 7-way blade connector to either 5-flat or a 4-flat connector. Instantly checks electrical circuit for connectivity. Displays connectivity using high visibility LEDs. Attached dust cover included to keep terminals clean when not towing a trailer.

ORDER NO.	Mfr. No.	Description
107-78118	78118	7-Way Blade to 4 or 5 Flat w/LED Circuit Tester

TEKONSHA

7-WAY TO 4-WAY WITH TOW-GLO

Easily adapt OEM 7-way blade connector to basic 4-flat connector. Glows blue when tail light circuit is activated assisting on seeing connection at night-time. Attached dust cover included to keep terminals clean when not towing a trailer.

ORDER NO.	Mfr. No.	Description
107-78117	78117	7-Way Blade to 4-Flat with Tow-Glo

TEKONSHA

107-67943

075-08010

ELECTRICAL TESTERS

Plug these testers into any car connector and you will have an instant test of running light circuits. Features LED display to show completed circuit for the running lights, left turn signal, and right turn signal.

ORDER NO.	Mfr. No.	Description
107-67943	767943	7-Way Blade Tester and Trailer Emulator w/LED Display
075-08010	8010	Trailer Tester, Includes Charger

TEKONSHA

MODULITE® ZCI™ (ZERO CONTACT INTERFACE)

SNAP Don't Snip™ - NO CUTTING OR SPLICING VEHICLE WIRE!

- Isolates trailer light operation from the tow vehicle's system
- Eliminates all interference & electrical draw on vehicle's lighting system
- Works with 2 or 3 wire systems
- Works with PWM, Multiplexed systems with 2 or 3 wire hookup and Low side switched vehicles
- Works with all known vehicle wiring systems including D, LS, G and most N codes
- Rated for 4.2 amps for turn/stop & 7.5 amps for taillight trailer circuits
- Robust design allows for interior or exterior mounting

ORDER NO.	Mfr. No.	Description
131-19251	119251	Modulite® ZCI™ (Zero Contact Interface) & Installation Kit

For more information see: www.wesbar.com & tekonsha.com

ADAPTERS

These adapters allow a tow vehicle with a 4, 6 or 7 pole socket to tow a trailer with a different configuration plug. Quality molded plastic connector stores in glove box when not in use.

A

B

C

A 7 Pole RV Style Blade
to 5 pole flat - 18" extension harness
Mfr. No. TC50000
ORDER NO. 051-50000

B 7 Pole RV Style Blade
To 5 pole flat
Mfr. No. TC51300
ORDER NO. 051-51300

C 7 Pole RV Style Blade
to 4 Pole Flat
Mfr. No. TC42914
ORDER NO. 051-42914

TRAILER ACCESSORIES

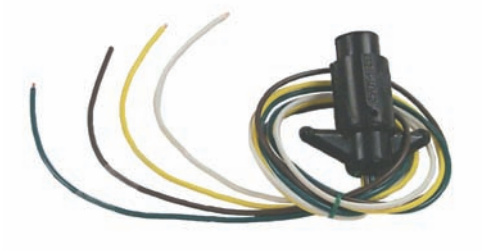
CARSIDE CONNECTOR

48", 16 GA 4/Pole
Ready-Wired #B240010
Mfr. No. WH10040
ORDER NO. 051-10040

48", 16 GA 5/Pole
Ready-Wired #M242010
Mfr. No. WH10230
ORDER NO. 051-10230

3 WIRE FLAT CONNECTOR

12", 16 GA, 2 Plugs
Ready Wired #E303120
Mfr. No. WH10320
ORDER NO. 051-10320



TRAILER SIDE CONNECTOR

24", 16 GA, 4/Pole
Ready Wired #M241120
Mfr. No. WH10220
ORDER NO. 051-10220

TRAILER SIDE CONNECTOR

24", 16 GA 5/Pole
Ready-Wired #M243120
Mfr. No. WH10240
ORDER NO. 051-10240

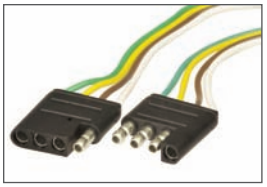
4 POLE FLAT CONNECTORS

Shrouded connectors provide better protection against weather dirt and moisture. Unshrouded connectors are found on most OEM trailers. The plugs are interchangeable and can connect together.

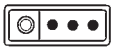
UNSHROUDED

Trailer Side

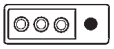
Tow Vehicle Side



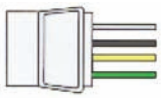
SHROUDED



Trailer Side



Tow Vehicle Side



White: Ground
Brown: Tail, License, Marker Lamps
Yellow: Left Turn Signal/Stop Lamp
Green: Right Turn Signal/Stop Lamp

Description	Set of Both Halves Mfr. No. ORDER NO.	Tow Vehicle Side Mfr. No. ORDER NO.	Wire Length	Trailer Side Mfr. No. ORDER NO.	Wire Length
4 Pole Flat - Unshrouded	TC43654 **051-43654**	NSS	4-12"	TC44054 **051-44054**	4-12"
4 Pole Flat - Shrouded	TC43844		4-12"	TC44254	4-12"
4 Pole Flat - Shrouded 5' Extension Harness	WH10350 **051-10350**				
4 Pole Flat - Shrouded 25' Rewire kit				WH10003 **051-10003**	4-25'

5 POLE FLAT CONNECTORS

White: Ground
Brown: Tail, License, Marker Lamps
Yellow: Left Turn Signal/Stop Lamp
Green: Right Turn Signal/Stop Lamp
Blue: Trailer Brake Solenoid

Description	Set of Both Halves Mfr. No.	ORDER NO.	Tow Vehicle Side Mfr. No.	Wire Length	Trailer Side Part Number	Wire Length
5 Pole Flat - Unshrouded 18" Extension Harness	TC51000	**051-51000**				

POLARIZED CONNECTORS

2-WIRE FLAT CONNECTOR

12", 16 GA, 2 Plugs
Ready Wired #E301120
Mfr. No. WH10300
ORDER NO. 051-10300

60", 16 GA, 2 Plugs
Ready-Wired #E302120
Mfr. No. WH10310
ORDER NO. 051-10310

SMITH™

LICENCE PLATE BRACKET

Upgrade the appearance of your trailer with an aluminum tread plate licence plate bracket.
Fits standard left side DOT brake/tail lamps. No mounting hardware required. Installs between existing tail light mounting bracket and the left side tail light via the lamps two mounting studs.

ORDER NO.	Mfr. No.	Material	Thickness
336-26053	26053A	Alum Tread	0.080"

TAIL LIGHT PROTECTOR

Added protection for fragile trailer tail lights. Mounts between the existing tail light mounting brackets and the lamp using the two lamp mounting studs. Mounting holes fit standard DOT brake/tail lamps.
No hardware required for installation.

ORDER NO.	Mfr. No.	Material	Thickness
336-26051	26051A	Alum Tread	0.080"

FRAME CLIPS

To Secure Trailer Wiring

All trailer light kits come with a few of these clips, but never enough to secure the wiring along the frame as frequently as you want. With a pack or two of these clips, you can secure your drooping trailer wiring.

- Zinc plated steel clips - 3/8" wide
- Grips edges up to 5/32" thick

ORDER NO. 336-16867
Mfr. No. 16867A (10 per pack)

LICENCE PLATE BRACKET

Use this tail light bracket for mounting standard DOT trailer lights to your trailer.
Pre-punched for lights, wiring & frame attachment.

- 11 gauge, hot dip galvanized
- 3-1/8" x 4-1/2" x 1-1/2"
- Use 3/8" bolts to attach to frame
- Hardware not included

ORDER NO.	Mfr. No.
336-26057	26057

For more information see www.cesmith.com

TIE DOWN
MANUFACTURING INGENUITY

NEW!

TAIL LIGHT PROTECTOR - ALUMINUM TREAD BRITE

The Tail Light Protector is designed to provide additional protection for your tail light.
There is no hardware required for installation, the Protector is designed to mount between your existing tail light bracket and the light.

ORDER NO.	Mfr. No.
404-86573	86573

For more information see www.tiedown.com

Wesbar®

VEHICLE/TRAILER ADAPTERS

Adapters for a quick switch from one style plug to another when towing multiple trailers.

Standard Vehicle/Trailer Adapters
Step - Down Style

ORDER NO.	Mfr. No.	Description
107-07282	707282	7-Way Blade to 4-Way Flat
107-76794	767940	7-Way Blade to 5-Way Flat
107-72570	007257	7-Way Blade to 5-Way Flat, 6" Wire
107-72500	707250	7-Way Blade to 5-Way Flat, 18" Wire

VEHICLE/TRAILER COILED WIRE JUMPERS

Environmentally sealed 16 gauge coiled wire prevents tangling. Attractive marine yellow, no fade colour. 7-way mates with OE style 7-way blade connectors. 5-way mates with either a 4-way or 5-way flat connector.

ORDER NO.	Mfr. No.	Description
5-WAY TO 5-WAY COILED WIRE JUMPER		
107-87194	787194	5-Way, 4 ft. Cable (5-Way Flat Car & Trailer Ends)
7-WAY TO 5-WAY COILED WIRE JUMPER		
107-87195	787195	7-WayTrailer to 5-Way Flat Car End w/4 ft. Cable
107-87196	787196	7-WayTrailer to 5-Way Flat Car End w/8 ft. Cable

For more information see: www.wesbar.com

BoatBuckle®

317-08893

BOATBUCKLE® G2 RETRACTABLE TRANSOM TIE-DOWN

- Self-retracting 5,500 lb polyester webbing
- Sleek, contoured styling
- Permanently mounts to trailer
- 5,000 lb. rated capacity/pair
- Simple, one hand operation
- Adapts to virtually any mounting angle
- Stainless steel power spring
- 2,500 lb. vinyl-coated steel S-Hook protects boat finish
- Built-in ratchet handle and one touch dual release lever coated with comfortable SUR-Grip rubber

317-14254

BOATBUCKLE® G2 UNIVERSAL MOUNTING BRACKET

Unique 3-sided bracket design features three precise angles therefore can be mounted serveral different ways

ORDER NO.	Mfr. No.	Description	Length	Rated Cap.
317-08893	F08893	BoatBuckle® G2 Transom	14"- 43"	5,000 lbs./pr
317-14254	F14254	Universal Mnt. Bracket Kit		5,000 lbs. /ea

317-17632

PRO SERIES TRANSOM TIE-DOWNS

The BoatBuckle® Pro Series transom tie-downs feature our new Sur-Grip Kwik-Lok buckle for maximum comfort.

- Comes with Hi-Vis protective PVC pads and our Night Eyes reflective closure patch for increased visibility
- Zinc-coated steel trailer hooks, vinyl-coated steel top hooks resist cracking & peeling

ORDER NO.	Mfr. No.	Description	Dim.	Rated Cap.
317-17631	F17631	Pro-Series Kwik-Lok Transom	2" x 2'	2,400 lbs./pr
317-17632	F17632	Pro-Series Kwik-Lok Transom	2" x 4'	2,400 lbs./pr

KWIK-LOK TRANSOM TIE-DOWNS

- The Kwik-Lok buckle features vinyl-coated top hooks, zinc-coated trailer hooks, durable polypropylene webbing and a protective web pad

ORDER NO.	Mfr. No.	Description	Dim.	Rated Cap.
317-13110	F13110	Kwik-Lok Transom	2" x 2'	2,400 lbs./pr
317-13111	F13111	Kwik-Lok Transom	2" x 4'	2,400 lbs./pr

317-17635

PRO SERIES GUNWALE TIE-DOWNS

The BoatBuckle® Pro Series gunwale tie-downs feature our new Sur-Grip Kwik-Lok buckle for maximum comfort.

- Built -in closure stores excess web while trailering
- Vinyl coated S-hooks with keeper and 5,500 lbs. polyester webbing

ORDER NO.	Mfr. No.	Description	Dim.	Rated Cap.
317-17635	F17635	Pro-Series Kwik-Lok Gunwale	2" x 13'	1,200 lbs./ea
317-17637	F17637	Pro-Series Kwik-Lok Gunwale	2" x 20'	1,200 lbs./ea

KWIK-LOK GUNWALE TIE-DOWNS

- Kwik-Lok Gunwale features 5,500 lbs. polyester webbing
- Vinyl-coated steel hooks

ORDER NO.	Mfr. No.	Description	Dim.	Rated Cap.
317-13113	F13113	Kwik-Lok Gunwale	2" x 10'	1,200 lbs./ea
317-13114	F13114	Kwik-Lok Gunwale	2" x 13'	1,200 lbs./ea
317-13115	F13115	Kwik-Lok Gunwale	2" x 16'	1,200 lbs./ea
317-13116	F13116	Kwik-Lok Gunwale	2" x 20'	1,200 lbs./ea

317-13115

For more information see: www.boatbuckle.com

BoatBuckle®

WINCH STRAP WITH LATCH-LOK TECHNOLOGY

- Innovative latch technology allows you to simply push on and squeeze off
- 5,500 lbs. polyester webbing with loop end

ORDER NO.	Mfr. No.	Description	Dim.	Rated Cap.
317-17741	F17741	Winch Strap with Latch-Lok	2" x 20'	4,000 lbs./ea

WINCH STRAP WITH LOOP END

- 5,500 lbs. polyester webbing with 8,000 lb. forged steel snap hook

ORDER NO.	Mfr. No.	Description	Dim.	Rated Cap.
317-05848	F05848	Winch Strap with Loop End	2" x 20'	4,000 lbs./ea

KWIK-LOK BOW TIE DOWN

- 1" 2,500 lb. nylon webbing, zinc-coated steel hook

ORDER NO.	Mfr. No.	Description	Dim.	Rated Cap.
317-12811	F12811	Bow Tie Down with Loop End	1" x 3'	1,200 lbs. /ea

PROTECTIVE BOAT PADS

- Protects boat surfaces against scratching or chafing caused from buckles or webbing
- UV resistant
- Hi-Vis yellow
- 3" W x 7" L /pr

Mfr. No. F13180
ORDER NO. 317-13180

For more information see: www.boatbuckle.com

FULTON®

MARINE RATCHET TIE DOWNS

RETRACTABLE TRANSOM RATCHETS (2 PACK)

- Strap retracts for easy storage and no tangling
- Easy bolt on function (hardware included)
- Some models available with stainless steel housing

GUNWALE RATCHETS (1 PACK)

- Vinyl coated J-hooks protect boats finish
- Provides super strong holding power
- Some models available with stainless steel housing

206-02660

ORDER NO.	Mfr. No.	Description	Duty Rating	Load Capacity (lbs.)	Break Strength (lbs.)
206-02660	2060266	Retractable Tie Down - (Transom) 2" x 43", Stainless Steel, Black	Standard	600	1800
206-03660	2060366	Retractable Tie Down - (Transom) 2" x 43", Zinc, Black	Heavy Duty	833	2500

For more information see: www.horizonglobal.com

TRAILER TIRES & WHEELS

CARLISLE

ORDER NO.	Description	B.C. Dia.	No. of Holes	Pilot Dia.	Max. Load Capacity	Load Range/ Wt. lbs.	Rim / Type
BIAS PLY TIRE & RIM ASSEMBLIES							
055-90561	480-8 Tire on 8" x 3.75" Rim	4-1/2"	5	2.81"	585	B / 10	WHITE /SOLID
055-90560	480-8 Tire on 8" x 3.75" Rim	4"	4	2.81"	585	B / 10	WHITE /SOLID
060-47041	570-8 Tire on 8" x 3.75" Rim	4-1/2"	5	2.81"	715	B / 12	WHITE /SOLID
060-47040	570-8 Tire on 8" x 3.75" Rim	4"	4	2.81"	715	B / 12	WHITE /SOLID
055-90651	480-12 Tire on 12" x 4" Rim	4-1/2"	5	2.80"	785	B / 14	WHITE /SPOKE
055-90650	480-12 Tire on 12" x 4" Rim	4"	4	2.80"	785	B / 14	WHITE /SPOKE
055-447041	480-12 Tire on 12" x 4" Rim	4-1/2"	5	2.80"	990	C / 21	GALVANIZED / SPOKE
055-457151	480-12 Tire on 12" x 4" Rim	4"	4	2.80"	990	C / 21	GALVANIZED / SPOKE
055-446841	480-12 Tire on 12" x 4" Rim	4-1/2"	5	2.80"	990	C / 21	SILVER MODULAR
060-47027	530-12 Tire on 12" x 4" Rim	4-1/2"	5	2.80"	855	B / 16	WHITE /SPOKE
060-47026	530-12 Tire on 12" x 4" Rim	4"	4	2.80"	855	B / 16	WHITE /SPOKE
055-424281	530-12 Tire on 12" x 4" Rim	4-1/2"	5	2.80"	1050	C / 20	GALVANIZED / SPOKE
055-424271	530-12 Tire on 12" x 4" Rim	4"	4	2.80"	1050	C / 20	GALVANIZED / SPOKE
055-450311	530-12 Tire on 12" x 4" Rim	4-1/2"	5	2.80"	1050	C / 22	SILVER MODULAR
055-19158	ST 175/80D13 Tire on Rim	4-1/2"	5	3.30"	1100	B / 20	WHITE /SPOKE
055-19159	ST 175/80D13 Tire on Rim	4-1/2"	5	3.30"	1360	C / 22	WHITE /SPOKE
055-342351	ST 175/80D13 Tire on Rim	4-1/2"	5	3.30"	1360	C / 30	GALVANIZED / SPOKE
055-448391	ST 175/80D13 Tire on Rim	4-1/2"	5	3.30"	1360	C / 29	SILVER MODULAR
055-19312	ST 205/75D14 Tire on Rim	4-1/2"	5	3.30"	1760	C / 40	WHITE /SPOKE
055-341511	ST 205/75D14 Tire on Rim	4-1/2"	5	3.30"	1760	C / 37	GALVANIZED / SPOKE
055-448401	ST 205/75D14 Tire on Rim	4-1/2"	5	3.30"	1760	C / 41	SILVER MODULAR
055-19401	ST 205/75D15 Tire on Rim	4-1/2"	5	3.30"	1820	C / 45	WHITE /SPOKE
055-343901	ST 225/75D15 Tire on Rim	4-1/2"	5	3.30"	2150	C / 40	WHITE /SPOKE
055-342081	ST 225/75D15 Tire on Rim	4-1/2"	5	3.30"	2150	C / 37	GALVANIZED / SPOKE
WITH RADIAL TIRE ASSEMBLIES							
055-19801	ST 175/80R13 Tire on Rim	4-1/2"	5	3.30"	1360	C / 30	WHITE /SPOKE
055-418181	ST 175/80R13 Tire on Rim	4-1/2"	5	3.30"	1360	C / 30	GALVANIZED / SPOKE
055-456811	ST 175/80R13 Tire on Rim	4-1/2"	5	3.30"	1360	C / 29	SILVER MODULAR
055-470791	ST 185/80R13 Tire on Rim	4-1/2"	5	3.30"	1480	C / 34	SILVER MODULAR
055-19800	ST 205/75R14 Tire on Rim	4-1/2"	5	3.30"	1760	C / 41.5	WHITE /SPOKE
055-418191	ST 205/75R14 Tire on Rim	4-1/2"	5	3.30"	1760	C / 30	GALVANIZED / SPOKE
055-457001	ST 205/75R14 Tire on Rim	4-1/2"	5	3.30"	1760	C / 41	SILVER MODULAR
055-19802	ST 215/75R14 Tire on Rim	4-1/2"	5	3.30"	1870	C / 42.5	WHITE /SPOKE
055-19803	ST 205/75R15 Tire on Rim	4-1/2"	5	3.30"	1820	C / 48	WHITE /SPOKE
055-19805	ST 225/75R15 Tire on Rim	4-1/2"	5	3.30"	2150	D / 50	WHITE /SPOKE
RADIAL TIRE CROSSTRAX ASSEMBLIES							
055-891851	530-12 Tire on 12" x 4" Rim	4-1/2"	5	3.20"	1050	C / 20	CROSSTRAX ALUMINUM
055-891561	ST 175/80R13 Tire on Rim	4-1/2"	5	3.20"	1360	C / 29	CROSSTRAX ALUMINUM
055-891571	ST 205/75R14 Tire on Rim	4-1/2"	5	3.20"	1760	C / 40	CROSSTRAX ALUMINUM
055-891581	ST 205/75R15 Tire on Rim	4-1/2"	5	3.20"	1820	C / 44	CROSSTRAX ALUMINUM

RECREATION TRAILER TIRE & RIM ASSEMBLIES

WHITE

GALVANIZED

SILVER MODULAR w/CLEAR COAT

CROSSTRAX

RECREATION TRAILER TIRES

BIAS PLY TIRES

Description	Cap (lbs.)	Load Range	ORDER NO.
480 x 8 Tire	585	B	065-59056
480 x 12 Tire	785	B	065-59065
570 x 8 Tire	715	B	065-42033
530 x 12 Tire	855	B	065-40106
175/80D 13 Tire	1100	B	065-19158
175/80D 13 Tire	1360	C	065-19159
205/75D 14 Tire	1760	C	065-19311
205/75D 15 Tire	1820	C	065-19401

RADIAL TIRES

Description	Cap (lbs.)	Load Range	ORDER NO.
ST175/80R 13 Tire	1360	C	065-19801
ST205/75R 14 Tire	1760	C	065-19800
ST215/75R 14 Tire	1870	C	065-19802
ST205/75R 15 Tire	1820	C	065-19803
ST225/75R 15 Tire	2540	D	065-19805

For more information see: www.carlstargroup.com

CARLISLE

RECREATION TRAILER TIRE RIMS

RIM DIAMETER MOUNTING DIMENSIONS								
ORDER NO.	Wheel Size	Dia.	Width	Dia.	No. Of Holes	Pilot Dia.	Wt. lbs.	Rim
060-47020	8" x 3.75	8"	3.75"	4"	4	2.81"	4	White
060-47023	12" x 4.00	12"	4"	4"	4	2.80"	10.5	White/Spoke
060-47021	8" x 3.75	8"	3.75"	4.5"	5	2.81"	4	White
060-47022	12" x 4.00	12"	4"	4.5"	5	2.80"	10.5	White/Spoke
062-13412	13" x 4.50	13"	4.5"	4.5"	5	3.3"	13	White/Spoke
062-14612	14" x 6.00	14"	6"	4.5"	5	3.3"	20	White/Spoke
062-15612	15" x 6.00	15"	6"	4.5"	5	3.3"	23	White/Spoke

For more information see: www.carlstargroup.com

attwood SWIVL-EZE

017-10107

LOCK 'N-STOW™

- Locks the outboard motor in forward position while trailering, greatly reduci effects of road shock
- Does not "tie" engine's lower-unit to trailer, eliminating excessive pressure on hydraulic seals and unsightly scuff marks
- Small compact mount can be easily stored in just about any boat compartment
- Constructed of black powder-coated steel with stainless steel pins

017-10309

ORDER NO.	Mfr. No.	Description
017-10107	10107	Fits: Mercury engines 200 - 250 HP Optimax/Optimax ProXS and the 150 - 200 HP EFI Engines*
017-10108	10108	Fits: Mercury engines 135 - 175 Optimax/Optimax ProXS and the 150 - 200 HP EFI Engines. Should also fit the 75 - 115 HP 4-Engines**
017-10309	10309	Fits: OMC, Bombardier 1989 to present, 100HP and up

**Note that this may not fit well on some of these engines because of their 4.65" span on the bracket may be too wide, depending on the position of the mount nut.*

***This will not fit 1.5L Family - the lower mount bolt centerline span is 3.44" and will not fit with their 3.25" span.*

For more information see: www.attwoodmarine.com

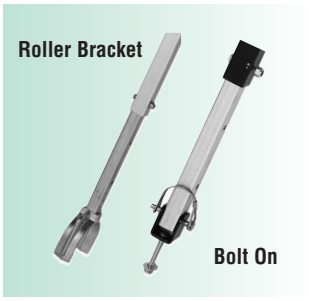
MOTOR SUPPORTS

PRO ADJUSTABLE TRANSOM SAVERS

Swivl-Eze transom savers are designed to protect your boat's transom and stabilize your engine and steering mechanism while trailering.

- Constructed of high tensile strength aluminum
- Adjustable length as well as over-the-roller features
- Equipped with adjustable toggles, with replaceable rubber pads
- Equipped with 15" rubber strap to secure transom head to engine.
- Available with Over-the-roller and Bolt-On style

Protect the performance life of your boat's transom.



ORDER NO.	Mfr. No	Length	Style
017-40000RB	SP-4000-ADJ-RB	24"-36"	Roller & Bolt-on

MD ANGLED ADJUSTABLE REACH TRANSOM SAVER

- Adjusts from 36"-60"
- Unique angled adjustment from 0" to 36" with 12" increments
- Locking feature prevents unintentional detachment
- Our innovative design will fit most trailers
- Heavy-duty molded rubber pads prevent scratching on the lower unit
- Steel construction with corrosion resistant black finish on the tubes

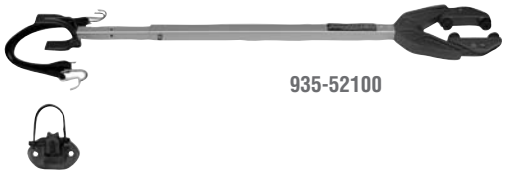
ORDER NO.	Mfr. No	Description
017-46000	460-ADJ	MD Angled Adjustable Reach Transom Saver

For more information see: www.attwoodmarine.com

ADJUSTABLE TRANSOM SAVER

The transom saver adjusts from 28 in. to 59 in. to reach where others won't on hard to access trailer crossbars, that extend under the boat. Comes with easy to install bracket attachment. Fits most popular brands of trailers and is easily removed for loading and unloading.

ORDER NO. 935-51900
Mfr. No. 55-1900



ADJUSTABLE MOTOR SUPPORT

The adjustable motor support has a universal design and comes with both the bolt-on bracket and the over-the-roller bracket. It is adjustable from 34 in. to 46 in. and comes with 2 rubber straps, a 10 in. motor strap and a 5 in. trailer strap.

ORDER NO. 935-52100
Mfr. No. 55-2100

REPLACEMENT V-BLOCK
ORDER NO. 935-55805

For more information see: www.panthermarineproducts.com

4" STEER STOP OUTBOARD HYDRAULIC STEERING LOCK

Boaters can center their outboard motor equipped with hydraulic steering and keep it from wandering when trailering. The units clip onto hydraulic steering rams on either side of the outboard to keep engine straight and prevent damage to motor supports.

- Locks hydraulic steering when trailering
- Fits most steering cylinder rods on outboard engines
- Helps keep engine centered during transport

ORDER NO.	Mfr. No.	Description
205-206708	SS-3-DP	Navy Blue

Note: Fits SeaStar & Baystar hydraulic steering.

For more information see: www.thmarinesupplies.com

EXTEND-A-REACH MOTOR SUPPORT

- ***Adjusts from 26" to 56"***
- Secures motor to trailer crossbar
- Includes all parts for easy installation
- Removes easily for quick loading and unloading
- Corrosion resistant E-Coat finish
- Includes 15" black EPDM rubber holding strap

ORDER NO. 178-02500 Mfr. No. 1780250

REPLACEMENT PARTS

EXTEND-A-REACH REPLACEMENT Y BUSHING

ORDER NO. 210-00790 Mfr. No. 2100079

178-02400

DELUXE GUARDIAN MOTOR SUPPORT KIT

- ***Adjusts from 25-5/8" to 37-5/8"***
- Protects leading edge of motor's lower unit
- Reduces wear on steering mechanism
- Over-the-roller or bolt-on installation
- High-strength cast aluminum with rubber components

ORDER NO. 178-02400 Mfr. No. 1780240

REPLACEMENT PARTS

- For older model numbers 1780227 & 1780226

Replacement Parts

210-00740	2100074	Support Bushing Kit

178-02420

GUARDIAN MOTOR SUPPORT KIT

- ***Adjusts from 20-5/8" to 32"***
- Protects leading edge of motor's lower unit
- Reduces wear on steering mechanism
- Over-the-roller or bolt-on installation
- High-strength cast aluminum with rubber components

ORDER NO. 178-02420 Mfr. No. 1780242

ECONOMY GUARDIAN MOTOR SUPPORT

- ***Adjusts from 21-1/2" to 33"***
- High-strength aluminum
- Protects leading edge of the motor's lower unit
- Reduces wear on steering mechanism
- Includes over the roller mount, bolt-on mount, & bungee

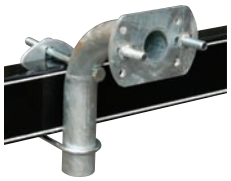
ORDER NO. 178-02450 Mfr. No. 1780245

For more information see:
www.springfieldgrp.com

TIE DOWN
MANUFACTURING INGENUITY

HIGH MOUNT TIRE CARRIER

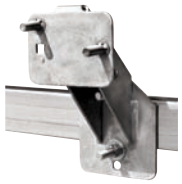
Accomodates 4, 5 and 6 lug wheels. Hot dip galvanized for lasting protection. Fits all trailer frames up to 3" wide by 4" high. Made of heavy duty steel tubing.



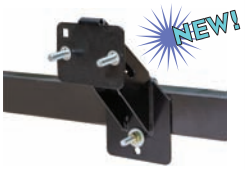
ORDER NO.	Mfr. No.	Description
404-86101	86101	Galvanized

SIDE MOUNT TIRE CARRIER

Adjustable bolt circle fits both 4 lug and 5 lug wheels. Fits all trailer tongues up to 3" wide by 4" high. Extra heavy duty welded steel construction. Carriage bolts & lug nuts to mount tire to carrier are included.



ORDER NO.	Mfr. No.	Description
404-86098	86098	Galvanized
404-86100	86100	Black Powder Coat



ANGLED/PIVOTING SPARE TIRE CARRIER

Angled spare tire carrier allows spare tire to fit at an angle under bow of boat. Adjustable to fit 4, 5 and 6 lug wheels. Unique pivoting feature allows tire to swing down to allow easy loading or removal of spare. Kit includes three sets of U-bolts to fit trailers with frame tube heights 3", 4" and 5".

ORDER NO.	Mfr. No	Description
404-86062	86062	Zinc Plated

For more information see: www.tiedown.com

SMITH™

HEAVY DUTY SPARE TIRE CARRIER

Strong one-piece construction

Hot-dipped galvanized spare tire carrier mounts securely on frame or tongue.
One-piece construction for extra strength to withstand vibration.
Holds 4 or 5 lug wheels and adjusts for frames up to 3" wide by 4" high.
Tire mounting hole centers 4-9/64". Made of 7 ga. steel.
Side offset is 4-1/2" from frame with 5" rise for ground clearance.
All mounting hardware is included. Packed in display box.

ORDER NO. 336-27310 Mfr. No. 27310G

For more information see: www.cesmithco.com

U-BOLT SPARE TIRE CARRIER

Strong 7/16" rod construction with 20 pitch fine threaded nuts or spin on threaded locking plates. Fits on frame tongue or rails up to 3" wide. 3" of threads to fit a wide variety of frame thicknesses and wheel sizes. Approximate length needed by adding the frame width + 1/2 tire width + 1". Mounts 4 or 5 lug wheels.
Fits 8", 10", 12", 13", 14" and most 15" wheels.
Zinc plated. Packed one per blister.

ORDER NO.	Mfr. No.	Length/Description
336-27206	27206A	12" / with 2 lug nuts, (longer for wider wheels)

IDL

TRAILER SPARE TIRE BRACKET No. 6121

This bracket extends the spare tire up and away from trailer and boat. Heavy-duty steel construction is available with tough black powder-coated painted finish.
Fits either 4 or 5 hole rim and trailer tongues up to 3" x 5" complete with mounting hardware.
Fits wheel size from 9" to 14".

ORDER NO. 106-61210 Mfr. No. 22121

SPARE TIRE CARRIER

No. 6281

Zinc plated.
Spare tire carrier with locking capability.
Just add your own padlock. Fits 4 or 5 hole rims.

ORDER NO. 106-62810 Mfr. No. 22140

SPARE-n-DOLLY BRACKET No. 6221

Revolving spare tire carrier. Will fit either 4 or 5 hole rim for 8", 9" and 12" tires. Drilled with padlock hole in main shaft. Serves as spare tire carrier and dolly wheel when trailer is removed from car.
Provides full tire tread width when used as a dolly wheel.
Particularly effective on soft ground.
Fits 3" x 3" and 3" x 4" square tongues.
Black powder-coated finish.
Packed 1 per carton. (Wheel and tire not included.)

ORDER NO. 106-62210 Mfr. No. 22144

SPARE TIRE CARRIER EXTRA OFFSET

No. 6126

This heavy duty carrier extends the spare tire at an angle to avoid damage or marring of boat finish. Zinc plated TUFFPLATE finish. Fits wheel sizes from 13" to 15", 5 or 6 hole rims and trailer tongues 2" to 3" wide, and 3" to 5" tall.
Fits wheel size from 9" to 14".

ORDER NO. 106-22145 Mfr. No. 22145

For more information see: www.dutton-lainson.com

HI-MOUNT SPARE TIRE CARRIER

- Heavy-duty, welded & reinforced steel plate construction
- Zinc-plated to resist corrosion
- Adjustable bolt circle to fit both 4 and 5 lug wheels
- Fits all trailer tongues up to 3" wide by 4" high
- Includes zinc-plated mounting hardware & instructions
- Security locking hole to lock wheel and bracket to trailer using a security cable & lock (cable and lock sold separately)

ORDER NO.	Mfr. No.	Description
100-01010	STC1000101	Hi-Mount Spare Tire Carrier

For more information see: www.fultonperformance.com

SMITH™

SPARE TIRE CARRIERS

Made of strong black vinyl fabric with a corded edge & an elastic rear opening to grip the tire & stay in place. Weather and UV resistant. Protects tire from exposure to sun & road grime.
Vented bottom for drainage. Packed one per blister.

ORDER NO.	Mfr. No.	Tire Size	Maximum Tire Dia.	Max. Tire Width
336-27410	27410	12"	21"	6-1/2"
336-27420	27420	13"	25"	7-1/2"
336-27440	27440	15"	29"	9-1/2"

For more information see: www.cesmithco.com

Ironwood Pacific OUTDOORS

E-Z SLIDE™ TRAILER SLIDES

E-Z Slide™ trailer slides reduce friction make launching & loading a breeze.

- Prevents friction so boats easily slide on and off a bunk trailer
- Kits for 2", 4" & 6" wide bunks
- 4" and 6" kits include BunkEnders™
- Metal boats up to 4,000 lbs.
- Fiberglass boats up to 1,500 lbs.
- Includes stainless steel mounting screws

ORDER NO.	Model	Model #	Pad Width	Includes	Bunk Width	Application
968-01300	Kit 1	013.0	1.5"	8 Pads	2"	Fits two 8' Bunks
968-01310	Kit 2	013.1	3"	4 Pads, 2 BunkEnders	4"	Fits two 5-1/2' Bunks
968-01320	Kit 3	013.2	3"	8 Pads, 2 BunkEnders	4"	Fits two 10' Bunks
968-01330	Kit 4	013.3	5"	10 Pads	6"	Fits two 10' Bunks

Ironwood Pacific OUTDOORS

BUNKENDERS™

E-Z Slide BunkEnders™ are a patented bunk slide designed to curve over the end of your bunk, protecting your boat and your bunk from excessive wear at the initial point of contact.

- BunkEnders™ prevent carpet wear
- Stainless steel mounting screws included
- Can be used for 4" or 6" wide bunks
- Recommended for welded metal boats weighing up to 4000 lbs and fiberglass boats weighing up to 1500 lbs.

Mfr. No. 013.6 / Kit, Contains 2 Pads **Black**
ORDER NO. 968-01360

For more information see: www.ironwoodpacific.com

COUPLER/HITCH LOCKS

206-63224

HITCH LOCKS

ORDER NO.	Mfr. No.	Description
Hitch Locks with 5/8" and 1/2" Diameter		
206-63248	63248	Bent Pin Lock w/extra Pin for 1-1/4" & 2" Square Receivers
Hitch Locks with 1/2" Diameter		
206-63224	63224	Bent Pin Lock for 1-1/4" Square Receivers
Hitch Locks with 5/8" Diameter		
206-63223	63223	Bent Pin Lock w/extra Pin for 2" & 2-1/2" Square Receivers
206-63252	63252	Dogbone Lock for 2" & 2-1/2" Square Receivers & 3-1/2" Span, Class V
206-63253	63253	Bent Pin Lock w/extra Pin for 2-1/2" Square Receivers & 3-1/2" Span, Class V

075-00101

206-63227

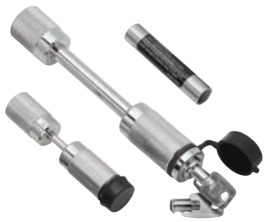
206-63228

TRAILER LOCKS

ORDER NO.	Mfr. No.	Description
075-00101	63225	Coupler Lock
700-53000	7005300	Brass Coupler Lock
107-72783	72783	Universal Coupler Lock
206-63227	63227	Coupler Lock for 2-5/16" Ball
206-63228	63228	Coupler Lock for 2" Ball

COMBO LOCKS (HITCH, 1/2" & 5/8" DIAMETER, & TRAILER)

ORDER NO.	Mfr. No.	Description
206-63250	63250	Combo Lock Set, Dogbone Receiver/Coupler, for 1-1/4" & 2" Square Receivers



206-63240

206-63241

206-63242

PINS & CLIPS

Pins and clips are included with all Class I and Class II hitches. Plastic shroud.

ORDER NO.	Mfr. No.	Description
075-63240	63240	Packaged Class I/II Pin & Clip, 5/8", groove style
075-63241	63241	Packaged Class III/IV Pin & Clip, 1/2", groove style
075-63242	63242	Packaged Class III/IV Pin & Clip, 5/8", hole style

J-PIN® ANTI-RATTLE PIN WITH BARREL LOCKSET

J-Pin® quickly and confidently secures ball mounts and other hitch-mounted accessories, eliminating the sway and rattle caused by part clearance issues. J-Pin® ready receiver design allows for the most confident and secure hookup in today's towing market by compressing the hitch-mounted accessory against the inner side wall of the hitch receiver tube. Once attached, the hitch and towing components seem virtually welded together. Packaged complete with its integral ball mount lock, J-Pin® makes your towing system complete.

- For 2" receivers only
- Ideal for bike racks and hitch-mounted cargo carriers
- Attachment wrench included
- Requires hitch with additional 17/32" hole in receiver tube
- Convenient 1/4" turn key for ease of use

ORDER NO.	Mfr. No.
206-63201	63201

FULTON® MARINE RECEIVER LOCK

- Designed for marine use
- 5/8" lock for 2" square receivers
- Stainless steel finish protects against corrosion

ORDER NO.	Mfr. No.
703-02880	7030288

NEW!

TOW & STORE™ KEYED ALIKE COUPLER/TRAILER/RECEIVER LOCK LOCK SET

- Guards against towed and parked trailer thefts
- Universal coupler lock fits 1-7/8", 2",& 2-5/16"
- Dual bent pin lock: 1/2", 5/8"
- Adjustable coupler lock: 5/8", 1"
- 3 Interchangeable keys

ORDER NO. 075-63256
Mfr. No. 63256

HITCH BALL WRENCH

- Boxed ends 1-1/8" & 1-1/2"

ORDER NO.075-74342
Mfr. No. 74342

RECEIVER TUBE COVERS

- 2" Square
- Black
- Plastic

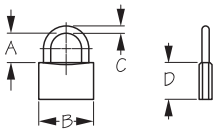
ORDER NO.075-53630
Mfr. No. 5363 (1202 with Header Card)

For more information see: www.draw-tite.com

SEA-DOG® LINE
QUALITY MARINE GEAR

PADLOCK (W/3 KEYS)

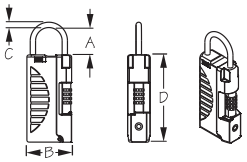
Brass Body



ORDER NO.	Mfr. No.	A	B	C	D
422-22004	222004-1	13/16"	1-1/2"	1/4"	1-3/16"

COMBINATION KEY BOX LOCK

Powder Coated Steel w/ Hardened Steel Shackle for extra security

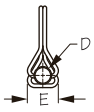


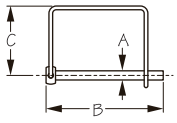
ORDER NO.	Mfr. No.	A	B	C	D
422-22009	222009-1	1-3/4"	2-1/2"	5/16"	5-3/16"

Great for dock boxes and entry doors. Large capacity lock box fits multiple keys. Interior dimensions: 4-1/2"L x 1-1/2"D x 7/8"W. Programmable combination is preset to open on 0-0-0. Thousands of personalized combination code options. Combination reset instructions included. Hinged side opening door is permanently attached to prevent loss. Hang the lock box on a door, fence, railing or anywhere it can securely lock.

COUPLER LOCKING PIN

Steel Electrogalvanized

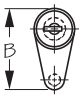


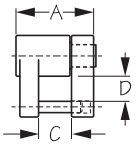


ORDER NO.	Mfr. No.	A	B	C	D	E
427-51010	751010-1	1/4"	3"	1-13/16"	7/16"	13/16"
427-51011	751011-1	5/16"	3"	2"	5/8"	7/8"

COUPLER LOCK - TWO PIECE

Zinc Brass Plated

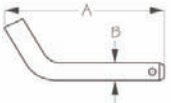


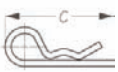


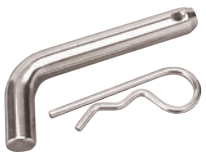
ORDER NO.	Mfr. No.	A	B	C	D
427-51030	751030-1	1-11/16"	1-13/16"	3/4"	9/16"

RECEIVER PIN WITH CLIP

Zinc Plated Steel







ORDER NO.	Mfr. No.	A	B	C
427-51062	751062-1	4-3/4"	5/8"	3-1/8"

For more information see: www.sea-dog.com

CLASS III INTERLOCK® TOWING STARTER KIT

- Includes 2" hitch ball
- Includes receiver lock
- Black powder coat finish over "A-coat"
- Fits 2" square receiver tube opening

Rating (lbs.) GTW/TW	Length	Rise	Drop	Secure
6,000/600	8-1/2"	3/4"	2"	Lock

ORDER NO. 075-40565 Mfr. No. 40565

EASY LOAD BALL MOUNTS

075-40342

075-40345

Featuring a revolutionary tapered shank design, easy-load ball mounts provide an easy connection to the receiver.

- Angle cut design
- Fits 2" square receiver tube opening
- Black powder coat finish over A-coat

ORDER NO.	Mfr. No.	Rating (lbs.) GTW/TW	Ball Hole Size	A Length	B Rise	C Drop
075-40342	40342	7,500/750	1"	8-1/2"	3/4"	2"
075-40345	40345	6,000/600	1"	11"	2-3/4"	4"

FULTON® F2 MARINE BALL MOUNTS

NEW!

Kit includes Ball Mount, Ball, Pin & clip

- Solid one-piece forged construction resists rust & corrosion
- 1" thick x 3" wide ball platforms
- Fits 2" square receiver tube opening
- Aluminum finish

ORDER NO.	Mfr. No.	Rating (lbs.) GTW/TW	Length	Rise	Drop
403-81880	4038188	8,000/800	9-7/8"	1"	2"
403-82880	4038288	8,000/800	10-5/8"	3"	4"
403-83880	4038388	8,000/800	11-7/8"	5"	6"

CLASS III STANDARD TOWING STARTER KITS (2 PACK)

402-38002

Kit includes Ball Mount, Ball, Pin & clip

- Point of purchase retail display / Two kits per display
- Fits 2" square receiver tube opening
- Includes pin & clip
- Ball Mount: Black powder coat finish over A-coat

ORDER NO.	Mfr. No.	Rating (lbs.) GTW/TW	Length	Drop	Ball Size
400-58002	40058-002	7,500/750	8-1/2"	2"	2-5/16"
402-38002	40238-002	7,500/750	9"	4"	2-5/16"
405-83002	40583-002	7,500/750	8-1/2"	2"	2"
406-44002	40644-002	7,500/750	9"	4"	2"

ALUMINUM SOLID FORGED BALL MOUNTS

075-40381

075-40382

- Solid one-piece forged construction
- 1" thick x 3" wide ball platforms
- Aluminum finish
- Fits 2" square receiver tube opening

ORDER NO.	Mfr. No.	Rating (lbs.) GTW/TW	Ball Hole Size	A Lgth	B Rise	C Drop
075-40381	40381	8,000/800	1"	9-7/8"	1"	2"
075-40382	40382	8,000/800	1"	10-5/8"	3"	4"
075-40383	40383	8,000/800	1"	11-7/8"	5"	6"

TRI-BALL HOLLOW SHANK

- Fits 2" square receiver tube opening

ORDER NO.	Mfr. No.	Ball Hole Size	Length	Rise
075-80425	80425	2,000/200"	8"	1-7/8"
		6,000/600	8"	2"
		10,000/1,000	6-3/4"	2-5/16"

PACKAGED HITCH BALLS

- Solid steel hitch balls engineered to meet all safety requirements of VESC regulation V-5
- Cold forged for superior strength

ORDER NO.	Mfr. No.	Ball Dia.	Shank Dia.	Shank Lgth	Drawbar Thickness Range	GTW GVWR Rating
075-63880	63880	1-7/8"	3/4"	1-1/2"	3/8"-5/8"	2,000
075-63884	63884	1-7/8"	1"	2-1/8"	3/8"-3/4"	2,000
075-63887	63887	2"	3/4"	1-1/2"	3/8"-5/8"	3,500
075-63908	63908	2-5/16"	1"	2-1/8"	3/8"-3/4"	7,500
075-63909	63909	2"	1"	2-1/8"	3/8"-3/4"	7,500

INTERCHANGEABLE HITCH BALL SETS

Designed to accommodate towing multiple trailers with ease. Allows you to change hitch ball sizes in seconds without any tools.
Kits feature a quick, positive-latch design.
Durable heat treated shank.

ORDER NO.	Mfr. No.	Rating (lbs.) GTW/TW	Shank	Ball Sizes
075-63801	63801	5,000	3/4"	1-7/8" & 2"
075-63802	63802	8,000	1"	1-7/8" & 2"

FULTON F2 MARINE HITCH BALL

NEW!

Designed for marine use. Time-tested & application-proven.
Includes: lock washer & nut.

- Solid steel hitch balls engineered to meet all safety requirements of SAE J684
- Stainless steel finish for corrosion prevention & lasting good looks.

ORDER NO.	Mfr. No.	Capacity	Shank Dia.	Shank Length	Ball Dia.
638-52880	6385288	6,000	1"	2-1/8"	2"

ADJUSTABLE TRI-BALL MOUNT SYSTEM

The adjustable mount only takes a pull of the pin and a turn to get ready for towing with the most common hitch ball sizes. Height adjusts easily and the easy-to-use pin is secured by a lanyard so you can't lose it.

- Fits 2" receivers rated up to 14,000 lbs. GTW
- Adjust height up to 10.5"
- Fits 2" receivers rated up to 14,000 lbs. GTW
- 2" Square shank
- Fits 2" receivers rated up to 14,000 lbs. GTW
- 1-7/8" Ball 2,000 lbs. (GTW), 2" Ball 10,000 lbs. (GTW), 2-5/16" Ball 14,000 lbs. (GTW)
- Adjustable cast shank, knurled bolt pin with secure lanyard
- Black powder coat finish resists corrosion

ORDER NO. 075-63070 Mfr. No. 63070

HITCH & TRAILER ALIGNMENT TOOL

- Convenient one person hitch alignment system
- Magnetic base for fast & easy location
- Telescoping rods adjust up to 42"
- Easy to use the first time

ORDER NO. 075-63300
Mfr. No. 63300

DRAW BAR BAG

- Don't bang your shins!
- Store the draw bar

Remove the draw bar and hitch ball from your vehicle to prevent banging your shin. Store it conveniently in your tow vehicle.
Bag is padded with a strong zipper closure. Will easily hold a 2" receiver drawbar and hitch ball with a 2" rise or a 4" drop.
Made of strong 600 Denier polyester with PVC backing.
Includes a carry handle and a pocket to hold hitch pin.

- Size: 15"L x 6"H x 4"D Black

ORDER NO. 336-27481
Mfr. No. 27481

For more information see: www.cesmithco.com

For more information see: www.draw-tite.com

FULTON

STRAIGHT TONGUE STAMPED FAS-LOK® COUPLERS

The most popular coupler mechanism ever developed, the Fas-Lok® originated as a Fulton brand and is offered in a full line of SAE Class I through IV rated straight tongue stamped couplers. The Fas-Lok® latching mechanism allows quick and easy trailer hook-up, and is factory adjusted for convenience.

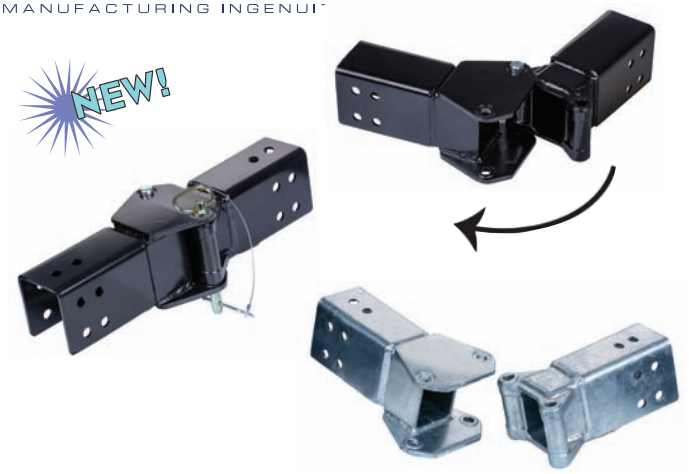
075-22300

075-11300

ORDER NO.	Mfr. No.	Gross Trailer Weight (lbs.)	Ball Size	SAE Class	Description
075-11200	11200 0101	2,000	1-7/8"	I	2" Wide Channel, Clear Zinc Finish, Labeled
075-11250	11250 0101	2,000	1-7/8"	I	2-1/2" Wide Channel, Primed Finish, No Product Labeled
075-11300	11300 0101	2,000	1-7/8"	I	3" Wide Channel, Clear Zinc Finish, Labeled
075-22250	22250 0101	3,500	2"	II	2-1/2" Wide Channel, Labeled
075-22300	22300 0101	3,500	2"	II	3" Wide Channel, Labeled

For more information see: www.fultonperformance.com

TIE DOWN
MANUFACTURING INGENUI



SWINGKING™

SWINGKING™ TONGUE KIT

Tie Down's SwingKing™ bolt-on swing tongue kit converts a normal tongue into a swing tongue, perfect for those needing extra space when storing a trailer.

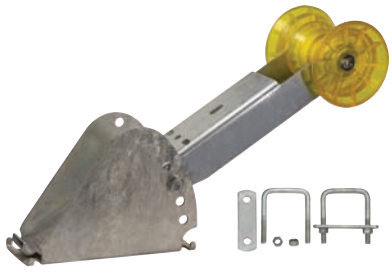
- Available in 3x3, 3x4 tongue configurations
- Available in black powder coat or hot-dip galvanized
- Includes all mounting hardware, including pull pin with lanyard.

ORDER NO.	Mfr. No.	Size	Finish
404-86510	86510	3"x3"	Galvanized
404-86511	86511	3"x3"	Black Powder Coat
404-86512	86512	3"x4"	Galvanized
404-86513	86513	3"x4"	Black Powder Coat

ADJUSTABLE PWC WINCH STAND

This adjustable winch stand fits 2" - 3" wide tongues and is designed for personal watercraft and Jon boat trailers. Each kit includes u-bolts, mounting hardware, amber poly bow roller and end bells.
Heavy duty steel is hot dip galvanized for long lasting protection.

ORDER NO.	Mfr. No.
404-86557	86557



For more information see: www.tiedown.com

QUICK-LOCK COUPLERS

D-L couplers are die formed. They are easily and quickly unlocked by a trigger action release on the safety lever.

D-L Quick-Lock Couplers

ORDER NO.	Mfr. No.	SAE Class	Ball Size	Housing Width (Inside)
109-09600	13628	1	1-7/8"	2-1/2"
109-09700	13728	1	1-7/8"	3"
109-09800	13885	2	2"	3"

COUPLER REPAIR KIT

For D-L quick-lock couplers only. These kits cannot be interchanged with component parts of any other D-L models or other manufacturers' couplers.

D-L Coupler Repair Kits

ORDER NO.	Mfr.No.	SAE Class	Ball Size
106-62560	13968	1	1-7/8"
106-62570	13970	2&3	2"

**Note: For Quick-Lock Couplers*

For more information see: www.dutton-lainson.com

SMITH™

TRAILER COUPLER LIFT HANDLE

- Zinc plated steel
- Rubber-coated handle
- Bolts to trailer's coupler

ORDER NO. 336-32420 Mfr. No. 32420A

For more information see: www.cesmithco.com

COUPLER SAFETY PIN

Quick-connect and disconnect safety pin fits through coupler release handle to prevent coupler latch from accidentally opening. Tempered spring wire & 1/4" carbon steel pin. Zinc plated. Usable length: 1-3/4", Clearance: 1-1/2". Display pack/each.

ORDER NO. 336-90037 Mfr. No. 00900-37A

FULTON® F2® MARINE & RECREATIONAL JACKS

Fulton, the industry leader for high performance marine jacks, is proud to introduce a revolution in trailer jack engineering. The F2®, designed for use with marine, recreational and utility trailers, continues the Fulton heritage of innovation rethinking every feature and challenging industry conventions. The result is a reengineered high quality product that will transform the industry. It's so strong and reliable that Fulton is backing it with an unprecedented LIMITED LIFETIME WARRANTY.

- Maintenance free - designed to eliminate the need for lubrication and maintenance
- Corrosion resistant coatings cover internal and external components - will hold up in harsh environments
- Ergonomic design - crank, release pin and integrated wheel wedge are made of strong, engineered plastic for a comfortable touch
- Stylish design - compliment your boat and customize your trailer's styling
- Sealed and lubricated one-piece gearbox
- Twin track and wide track versions available
- Available in bolt-on and weld-on versions for up to 5" tongues
- Handle Hold-Up secures handle to jack tube when in stowed position
- Limited Lifetime Warranty

141-30201

ORDER NO.	Mfr. No.	Lift Cap.(lbs.)	Handle Style	Screw Travel	Mount Travel	Pull Pin Diameter	Description
141-30201	1413020134	1,600	Sidewind	10"	8"	9/16"	**Twin Track** - Includes Handle Hold-Up & Wheel Wedge Features, & Bolt-On Mounting Hardware for 3"x3" & 3"x4" Frames. Individually Boxed
500-13000	500130						F2® Twin Track Replacement Wheel Kit, Includes (2) Wheels & Mounting Hardware.

REPLACEMENT PARTS

ORDER NO.	Mfr. No.	Description
141-50032	500320	Upgrade Adapter Kit, for 4" frames, Used on XP10 & XP15 center-bolt swivel mount jack to an F2® jack

XLT™ POWERED JACK - 2,500 LB.

- Patented spring-loaded drop leg pull pin positions quickly with 22" total travel
- Powered through 7-way OR dedicated common battery (with winch)
- Fingertip control
- Sharkskin™ premium finish for optimal corrosion resistance
- Corrosion resistant stainless steel internal ACME screw

ORDER NO. 141-40100 Mfr. No. 141401

- Easy to install–simply bolt to frame & hook up wiring
- Manual overide using standard tools in case of power loss
- Includes mounting hardware for up to 5" high trailer tongues
- 5-Year Limited Warranty

XLT™ MARINE & RECREATIONAL JACKS

- Patent pending TruTurn 360 system delivers best in class castering performances
- Raises and lowers 35% faster than the competition
- Patented inner and outer tube bushings provide a tight fit and lessen tube drag
- Premium Sharkskin™ finish for optimum corrosion resistance
- 20% more screw travel than conventional jacks
- Stylized handles with soft touch grips
- Grease fittings in key locations for easy lubrication
- Used in salt water environments and other demanding climate applications
- 5 year limited warranty

ORDER NO.	Mfr. No.	Lift Cap.(lbs.)	Handle Style	Travel	A Retracted	B Extended	C Clearance	Pull Pin Dia.	Description	Finish	Pkg.
141-13300	141133	1,500	Sidewind	12"	15"	27"	15.50"	3/8"	Swing Away, **Bolt-On**, (Mounting hardware incl.)	Matte **Silver** Finish	Ind. Boxed

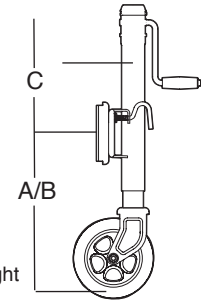
For more information see: www.fultonperformance.com

MARINE & RECREATIONAL JACKS

Designed for use with marine and utility trailers, Fulton brand tongue jacks are time-tested and application-proven. Include all necessary mounting hardware for up to 5" frames (Handle & Wheel) Unassembled. The Fulton brand bolt-thru swivel mounts (U.S. PAT. 6,302,381) use 3-D formed heavy-gauge steel stampings and a proprietary bushing material for a mount with minimal deflection and maximum support.
All mounts fit up to a 3" x 5" trailer frame.

- Strong proprietary bushing materials
- Stable formed heavy-gauge steel construction
- Dependable design

600 hour salt spray rating per ASTM B117



Travel and Clearance Diagram

A= Retracted
B= Extended
C= Clearance Height

610-01010 | 610-01260 | 615-01010 | 615-01260 | 715-01010 | 715-01260

BOLT-THRU SWIVEL

ORDER NO.	Mfr. No.	Lift Cap.-lbs.	Handle Style	Travel	A Retracted	B Extended	C Clearance	Pull Pin Dia.	Description	Finish	Pkg.
610-01010	XP10 0101	1,200	Sidewind	10"	12.5"	22.5"	10.5"	1/2"	6" diameter wheel, **Bolt-On**	**Z-MAX 600 Silver**	Ind. Boxed
610-01260	XP10 0126	1,200	Sidewind	10"	12.5"	22.5"	10.5"	1/2"	6" diameter wheel, **Bolt-On**	**Glossy Black**	Ind. Boxed
615-01010	XP15 0101	1,500	Sidewind	10"	13.0"	23.0"	12.4"	1/2"	8" diameter spoked wheel, **Bolt-On**,	**Z-MAX 600 Silver**	Ind. Boxed
615-01260	XP15 0126	1,500	Sidewind	10"	13.0"	23.0"	12.4"	1/2"	8" diameter spoked wheel, **Bolt-On**,	**Glossy Black**	Ind. Boxed
715-01010	XPD15L0101	1,500	Sidewind	12"	13.1"	25.1	12.4"	1/2"	**Dual Wheel**, additional 2" of travel, 6" diameter wheels, **Bolt-On**,	**Z-MAX 600 Silver**	Ind. Boxed
715-01260	XPD15L0126	1,500	Sidewind	12"	13.1"	25.1	12.4"	1/2"	**Dual Wheel**, additional 2" of travel, 6" diameter wheels, **Bolt-On**,	**Glossy Black**	Ind. Boxed

REPLACEMENT PARTS

ORDER NO.	Mfr. No.	Description
141-50032	500320	Upgrade Adapter Kit, for 4" frames, Used on XP10 & XP15 center-bolt swivel mount jack to an F2® jack
077-06811	6811S00	6" Wheel (Poly) Repair Service Kit
179-33301	0933301S00	Handle Kit for XP10 Series
179-33305	0933305S00	Handle Kit for XP15 Series
179-33306	0933306S00	Bevel Gear Kit for XP15 Series
179-33307	0933307S00	Plunger Pin Kit

141-50032 | 077-06811

179-33301 | 179-33307 | 179-33306

TOUGH & TRUSTED BULLDOG

WHEELS

ORDER NO.	Mfr. No.	Description
091-75010	0917501S00	6" Poly wheel only - 750 - 1,200 lbs. rated

For more information see: www.fultonperformance.com

LIGHT DUTY MARINE & UTILITY JACKS

- Designed for use with light to medium duty marine, utility & recreational applications
- Widely regsrded as "Best in Class"
- Time tested & application proven
- Satisfies the demand for both performance & style
- Strong proprietary bushing materials
- Stable formed heavy-gauge steel construction
- Dependable design
- Includes all necessary mounting hardware for up to 5" frames (Handle & Wheel) Unassembled

141-50149

610-12000

503-11111

LIGHT DUTY JACKS - RETAINING RING SWIVEL

ORDER NO.	Mfr. No.	Lift Cap.-lbs.	Handle Style	Travel	A Retracted	B Extended	C Clearance	Pull Pin Dia.	Description	Finish	Pkg.
141-50149	1410050149	400	-	-	14.5"	-	4.5"	-	Swiveling trailer stand, 6" diameter wheel, **Bolt-On**	Silver Powder Coat	Ind. Boxed
610-12000	TJ120000101	1,200	Sidewind	10"	12.7"	22.7"	11.4"	3/8"	6" diameter wheel, **Bolt-On**	Z-MAX 600	Ind. Boxed
503-11111	EJ10000101	1,000	Sidewind	10"	13.0"	23.0	11.0"	3/8"	Pro Series, 6" diameter wheel, **Bolt-On**	100 Hour Clear Zinc	Ind. Boxed

REPLACEMENT PARTS

ORDER NO.	Mfr. No.	Description
077-06811	6811S00	6" Wheel (Poly) Repair Service Kit
077-09086	P9086-00	Retaining Ring Kit - Designed for use with round tube trailer jacks

077-09086

077-09086

SQUARE MARINE & UTILITY JACKS

- Designed for use with marine & utility trailers,
- Time tested & application proven
- Satisfies the demand for both performance & style
- Strong proprietary bushing materials
- Stable formed heavy-gauge steel construction
- Dependable design
- Includes all necessary mounting hardware for up to 6" frames
- Includes handle drop leg footplate
- Z-Max 600 industry leading corrosion protection (600 hour salt spray)
- "Travel" includes drop leg

625-01010

FIXED MOUNT

ORDER NO.	Mfr. No.	Lift Capacity (lbs.)	Handle Style	Travel	A Retracted	B Extended	C Clearance	Description	Finish	Pkg.
625-01010	HD25000101	2,500	Sidewind	28.00"	7.00"	35.5"	19.25"	Heavy-duty square, **Drop Leg Jack**, 3/8" x 7.5" footplate, **Bolt-On**, travel incl. drop leg.	Z-MAX 600 Silver	Ind. Boxed

REPLACEMENT PARTS

ORDER NO.	Mfr. No.	Description
179-33305	0933305S00	Handle Kit, Includes (1) Handle Assembly with Plastic Handle Roller, (1) Groove Pin, & (1) Flanged Bushing, XP15/L/W/WC, XP15L, HD2500
179-33306	0933306S00	Bevel Gear Kit Includes (2) Gears, (1) Groove Pin, (1) Pin, (1) Washer, (1) Spacer, & (2) Flanged Bushings. TJ1222, XP15/L/W/WC, XPF15L, HD2500

For more information see:
www.fultonperformance.com

TONGUE JACKS – SWIVEL JACKS 6400A/6460

- Totally enclosed outer tube retards sand and dirt from coming in contact with miter gears & heavy duty Acme screw
- All bright zinc plated TUFFPLATE finish for longer life
- Maximum maneuverability from offset swivel caster assembly
- Pivoting jacks have a 2-1/2" diameter mounting hole in a swivel bracket which fit most other brands of mounting hardware
- Large molded handles
- Made in USA

Manufactured in the USA

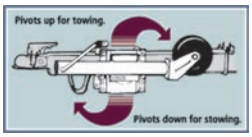
3 YEAR LIMITED WARRANTY

TUFFPLATE®

6400

6430

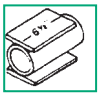
ORDER NO.	Mfr. No.	Mounting*	Handle Type	Wheel	Capacity	Travel	Max. Tongue Height	Swivel Pin Dia.
106-64000	22457	Bolt-on	Side	6"	1000 lb./454 kg.	10"	25"	3/8"
106-64300	22359	Bolt-on	Side	8"	1000 lb./454 kg.	10"	-	1/2"



*** All bolt-on jacks, fit tongues up to 3" x 5"**

REPLACEMENT PARTS FOR 6400

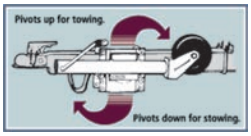
Description	ORDER NO.
Wheel Only	102-03681
Handle	103-03260



6400A, 6460 can be adapted for rounded tongue mounting by welding two plates to the pipe as shown

TONGUE JACK – 3400

- Popular 1200 lb. pivoting import tongue jack, tested to D-L standards.
- Zinc plated for additional rust resistance
- All mounting hardware included
- Installs in minutes
- Individually boxed



3400

ORDER NO.	Mfr. No.	Mounting*	Handle Type	Wheel	Capacity	Travel	Max. Tongue Height	Swivel Pin Dia.
106-34000	22300	Bolt-on	Side	6"	1200 lb./545 kg.	11"	25"	1/2"

1 YEAR LIMITED WARRANTY

*** All bolt-on jacks, fit tongues up to 3" x 5"**

For more information see:
www.dutton-lainson.com

TRAILER WINCHES

SINGLE SPEED TRAILER WINCHES

Designed to meet your toughest pulling demands.

- Solid drum gear construction delivers smooth cranking & durability
- The 1,100 lbs. to 1,800 lbs. capacity models feature a 2-way ratchet with neutral pawl
- Factory lubricated drive systems
- Some models include the strap & hook
- Feature ZMAX™ 600 clear zinc or glossy black finish for superior corrosion resistance
- 5 Year Limited Warranty

CE Compliant

175-142026

175-142200

175-142300

ORDER NO.	Mfr. No.	Cap. (lbs.)	Handle Length	Max. Mech. Adv.**	(Rope) (ft. x in.)	(Strap) (ft. x in.)	Recommended Strap Bolt Sizes (in.)	Strap Incl.	Finish	Replace Handle
175-142001	142001	900	7"	39:1	36' x 1/4"	15' x 2"	1/4" x 2-1/2" Grade 5	No	Clear Zinc	501-10700
175-142006	142006*	900	7"	39:1	36' x 1/4"	15' x 2"	1/4" x 2-1/2" Grade 5	Yes	Clear Zinc	501-10300
NEW! 175-142026	142026	900	7"	39:1	36' x 1/4"	15' x 2"	1/4" x 2-1/2" Grade 5	Yes	Glossy Black	501-10700
175-142100	142100	1,100	7"	43:1	30' x 5/16"	20' x 2"	1/4" x 2-1/2" Grade 5	No	Clear Zinc	501-10700
175-142103	142103	1,300	8"	49:1	30' x 5/16"	20' x 2"	1/4" x 2-1/2" Grade 5	No	Clear Zinc	501-10600
175-142200	142200	1,500	8"	49:1	20' x 5/16"	20' x 2"	1/4" x 2-1/2" Grade 5	No	Clear Zinc	501-10600
NEW! 175-142226	142226	1,500	8"	49:1	20' x 5/16"	20' x 2"	1/4" x 2-1/2" Grade 5	Yes	Glossy Black	501-10800
175-142300	142300	1,800	8"	62:1	20' x 7/16"	20' x 2"	3/8" x 2-3/4" Grade 5	No	Clear Zinc	501-10800
NEW! 175-142326	142326	1,800	8"	62:1	20' x 7/16"	20' x 2"	3/8" x 2-3/4" Grade 5	Yes	Glossy Black	501-10800

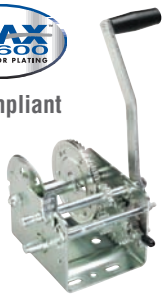
CE All Cequent Performance Products single speed trailer winches are CE compliant. * For Personal Watercraft w/ Strap,
**Maximum Mechanical Advance - Based on first layer of recommended line on the drum. For maximum efficiency, use only the amount of line required.

TWO SPEED TRAILER WINCHES

Make light work of heavy loads with Fulton® brand two-speed winches.

- One fast speed for quick pulling, second low speed for increased mechanical advantage
- Shift lock design allows changing gears without moving the crank handle from shaft to shaft. Just lift the shift lock & slide the shaft into the desired gear position. Shift lock holds the shaft in gear.
- Neutral, free-wheel position allows quick line pay out without spinning the handle
- Optional handbrake kit (501210 Special Order) can be purchased separately & available for all two-speed winches and can be installed after the winch is mounted
- 5 Year Limited Warranty

CE Compliant


175-142410

175-142411

ORDER NO.	Mfr. No.	Cap. (lbs.)	Gear Ratio	Handle Length	Max. Mech. Adv.**	(Strap) (ft. x in.)	Recommended Strap Bolt Sizes (in.)	Hub Size	Hand Brake	Strap Incl.	Replace Handle
175-142400	142400	2000	4.1:1 & 9.8:1	10"	87:1	20' x 2"	3/8" x 2-3/4" Grade 5	1.00"	501210	No	501-10800
175-142410	142410	2,600	5.1:1 & 12.2:1	10"	108:1	20' x 2"	3/8" x 2-3/4" Grade 5	1.00"	501210	No	501-10800
175-142411	142411	2,600	5.1:1 & 12.2:1	10"	108:1	20' x 3"	3/8" x 3-1/2" Grade 5	1.00"	Included	No	501-10800

CE All Cequent Performance Products two speed trailer winches are CE compliant. *** Brake Kit 1619-01 available as option not furnished. Only winches that are shown to accommodate steel cable should be used with steel cable. Cable keeper kits are included with the winches specifying steel cable. Winches rated for steel cable have a larger drum hub to reduce or lessen chance of kinking or fraying.

Notes:

1. Winch mounting hardware sold separately. Refer to instruction sheet for recommended bolt size and grade.
2. Fulton brand two-speed winches are designed for boat trailer and other pulling applications, which require the freewheeling feature of ratchet type winches. If moving loads requiring vertical lifting, or positive load control in both directions, choose a Fulton brake winch.
3. All Fulton brand winches are rated on the first layer of recommended rope, strap, or cable. The winch load capacity must be derated as additional layers are used. Derate the capacity 10% per additional layer of rope, strap, or cable.
4. Fulton brand winches are NOT designed to be human hoists and should never be operated when there are persons on, around, or under the load being moved.

F2® SINGLE SPEED TRAILER WINCH

Fulton continues to expand the F2 series of products with the introduction of the 1600 lb. F2® Single Speed Trailer Winch. Enclosed frame for performance and style, this 1600 lb. winch is user-friendly, sleek and reliable. Attractive design is styled to compliment the F2® jack series for a custom look.

- Compact design
- Enclosed frame design for a sleek, strong stylish look
- Two piece corrosion resistant aluminum frame
- One piece corrosion resistant aluminum handle
- Dual gear drum operates smoothly
- Handle is easily adjustable - 6" to 7"
- Handle switches from left to right hand drive
- Soft ergonomic grip
- Features E.I.S. - "Easy Install System"
- Strap and mounting hardware included in Display Box packaged product
- **CE** Compliant
- Limited Lifetime Warranty

175-16101

F2® SINGLE SPEED TRAILER WINCH

The F2® Winch addresses the need for attractive design in every element of a marine trailer. This 2000 lb. capacity winch will complement the look of even high end boat and trailer combinations and continues the industry-changing improvements in both performance and style of the Fulton F2® series of products. Its clean, high-tech look is sleek and powerful.

- Completely enclosed stylish design will compliment your boat and customize your trailer's styling
- 2000 lb. capacity
- E.I.S. - Easy Install System
- Precision fit components eliminate tightening or replacement
- Maintenance free – designed to eliminate the need for lubrication or maintenance
- Corrosion-resistant coating resists damage from moisture and salt
- Corrosion-resistant one-piece aluminum frame and one-piece aluminum handle
- Smooth reliable solid drive gear and powerful dual gear drum
- Center drive enclosed ratchet system
- User-friendly pull-turn knob to engage ratchet plunger pin
- Adjustable-length soft grip handle, switches from left- to right-hand drive configuration
- Includes 20' strap with hook
- Standard mounting bolt pattern, mounting hardware included, (footprint 8"H x 6.5"W x 9.5"D)
- **CE** Compliant
- Limited Lifetime Warranty

175-20101

F2® DUAL SPEED TRAILER WINCH

With its completely enclosed design, Fulton® expands the F2 Series of products with the introduction of the F2® Two Speed Trailer Winch. This 3200 lb. capacity winch is user-friendly, sleek, and reliable. The self-engaging one-handed system shifts from high to low speed.

Completely enclosed design

- 3,200 lb. capacity
- Includes all mounting hardware, E.I.S. – Easy Install System
- Ergonomic 4-position adjustable handle adjusts from 6"–9"
- Center drive enclosed ratchet
- User-friendly pull-turn knob to engage ratchet plunger pin
- Includes strap guide and 20' heavy duty strap with hook
- Patents pending
- **CE** Compliant
- Limited Lifetime Warranty

175-32101

F2® TRAILER WINCHES

Replacement Handle: ORDER NO. 175-33313

ORDER NO.	Mfr. No.	Capacity (lbs.)	Speed(s)	Gear Ratio	Handle Length	Strap	Finish	Unit Wt. (lbs.)
175-16101	FW16000101	1,600	Single	4.1:1	2 Position 6", 7"	20' x 2" w/Hook	Sharkskin™	9.25
175-20101	FW20000101	2,000	Single	5.1:1	4 Position 6", 7", 8", 9"	20' x 2" w/Hook	Sharkskin™	6.7
175-32101	FW32000101	3,200	Two	5.1:1, 3.17:1	4 Position 6", 7", 8", 9"	20' x 2" Heavy Duty w/Hook	Sharkskin™	15.7

SHARKSKIN™

PREMIUM FINISH

- Environmentally friendly
- Self-healing
- Maximum corrosion resistance
- Used in salt water environments and other demanding climate applications
- 1200 hour salt spray rating per ASTM B117

For more information see: www.fultonperformance.com

XLT™ POWERED WINCHES 7.0/10.0

Put power were you need it. Maximize your enjoyment of your boating experie by minimizing your efforts to load & unload your boat.

- Requires connection to a minimum of a 650 CCA 12V DC battery
- Convenient wireless remote included
- Rugged strap includes swiveling hook to prevent strap twisting
- Power in/Power out and free spool
- 3-position guide so strap comes out straight
- Manual overide using standard tools in case of power loss
- Easy to access light and winch control switches
- Hook swivels 360°
- LED lights on back & bottom to help at dusk & dawn
- Patented E.I.S. Easy Install System, drop in bolts, apply lock ring, adjust bolts & tighten
- Premium Sharkskin™ finish
  - Maximum corrosion resistance
  - Used in salt water environments & other demanding climate applications
- Pair with the Fulton® XLT™ powered marine trailer jack (CC Order No. 141-40100 Mfr#141401)
- 5-Year Limited Warranty

ORDER NO.	Mfr. No.	For Boats Up to	Max. Boat Weight (lbs.)
175-00620	500620	20 Feet	7,000 lbs
175-00621	500621	26 Feet	10,000 lbs

XLT™ SERIES SINGLE SPEED TRAILER WINCH

Designed to meet your toughest pulling demands.

- Efficient gear ratios, full-length drum bearings, oil-impregnated shaft bushings, & comfort grip handle for ease of cranking. Stamped carbon steel frames provide rigidity for gear alignment & longer cycle life.
- Features a 2-way ratchet with neutral pawl
- Stylized thermoplastic covers
- All gears are high-carbon steel for superb strength & long-term durability
- Strap & hook included

ORDER NO.	Mfr. No.	Cap. (lbs.)	Gear Ratio	Handle Length	Max. Mech. Adv.**	(Rope) (ft. x in.)	(Strap) (ft. x in.)	Recommended Strap Bolt Sizes (in.)	Strap Incl.	Replace Handle
175-142311	142311	1,500	4.1:1	8"	43:1	N/A	20' x 2"	5/16" x 2-1/2" Grade 5	Yes	501-10600

CE Compliant

For more information see:
www.fultonperformance.com

WINCH CABLES

Galvanized steel 7 x 19 aircraft cable is made to handle the new heavy loads. Each cable is fitted with a heavy duty galvanized latch hook, pull proof loop and fastener end for replacement use on POWER WINCH, DL, SUPER WINCH and other quality power winches. Also great for hand crank winches.

ORDER NO.	Description
404-59378	5/32" x 25' - 2800 #
404-59379	3/16" x 20' - 4200 #
404-59380	1/8" x 20' - 2000 #
404-59385	3/16" x 25' - 4200 #
404-59390	3/16" x 50' - 4200 #
404-59395	7/32" x 25' - 5600 #
404-59400	7/32" x 50' - 5600 #

For more information see: www.tiedown.com

WINCH HOOKS

Replace your worn out hook with a new zinc plated forged latch hook from Tie Down. 1/package.

ORDER NO.	Mfr. No.	Capacity
404-50640	50640	7000 lb
404-50641	50641	12000 lb'
404-50645	50645	7500 lb

WINCH STRAPS

Winch straps are 2" wide and have an overall tensile strength of 5,000#. Each strap comes with a heavy duty forged latch hook. 1 per pack.

ORDER NO.	Mfr. No.	Description
404-50465	50465	2" x 15'
404-50470	50470	2" x 20'
404-50475	50475	2" x 25'

DL

HEAVY DUTY WINCH STRAPS

2'' wide nylon strap for use with hand winches up through 2600 lbs. capacity. Breaking strength 4000 lbs. Forged steel hook with tensile strength of 7500 lbs. Individually packaged on display card, including two mounting bolts - one to fit smaller winches.

ORDER NO.	Description
106-62480	15' Winch Strap w/Hook
106-62490	20' Winch Strap w/Hook
106-62500	25' Winch Strap w/Hook

For more information see: www.dutton-lainson.com

TH MARINE

Z-LAUNCH™ WATERCRAFT LAUNCH CORD

Makes launching a boat by yourself as easy as 1-2-3 !
Used by majority of fishing professionals.

The patented Z-LAUNCH™ Watercraft Launch Cord makes solo watercraft launching easier than you've ever experienced. The no-hassle launch cord, made of premium elastics, uses automatically adjusting tension when you back your boat, jet ski, or tow tube into the water, so it won't jerk your watercraft around when you pull the trailer forward. Expandable to more than 2x original length, the Z-LAUNCH™ Watercraft Launch Cord attaches in just 3 steps. Fasten a hook to your trailer, connect a steel ring to the winch, & lock the winch.

- All stainless hardware
- Simple and safe operation
- Attaches easily
- Great for ramps with "no power" laws

For more information see: www.thmarine.com

FULTON

WINCH STRAPS

075-01202

175-20600

ORDER NO.	Mfr. No.	Description
075-01202	501202	2" x 20' Winch Strap & Hook. **Individually Clam Packaging**
075-01208	501208	2" x 12' Winch Strap & Hook. PWC **Individually Clam Packaging**
175-20600	WS20HD0600	2" x 20' Heavy-Duty Winch Strap & Hook. 10,000 lbs. min. breaking strength. 4,000 lb. max. working load. **Individually Clam Packaging**

FULTON

WINCH HANDLES

ORDER NO.	Mfr. No.	Description
501-10300	501103	Winch Handle, 6" Offset Packaged
501-10600	501106	Winch Handle, 8" Offset Packaged
501-10700	501107	Winch Handle, 7" Offset Packaged
501-10800	501108	Winch Handle, 10" Offset Packaged

For more information see: www.fultonperformance.com

WINCHES

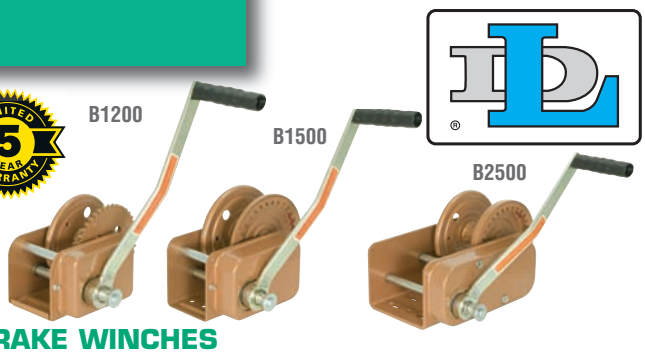
MODEL	B1200B	B1500	B2500
ORDER NO.	097-12000 Mfr. No. 10752	097-15000 Mfr. No. 10768	097-25000 Mfr. No. 10784
RATED CAPACITY*	1200 lbs.	1500 lbs.	2500 lbs.
MIN. OPERATING LOAD REQUIRED	75 lbs.	150 lbs	300 lbs
DRUM HUB DIAMETER	1-1/8"	1-1/8"	1-5/16"
GEAR RATIO	4:1	6:1	12:1
HANDLE LENGTH	12-1/4"	12-1/4"	12-1/4"
MAXIMUM MECHANICAL ADVANTAGE	72.9	106.9	180.9
CABLE SIZE & LENGTH	7/32" X 57'	1/4" X 52'	5/16" X 51'

*Capacity based on direct line pull on third layer of line on drum. Capacity is reduced as line builds up on drum.

CE

POWDER COATED TOUGH

Manufactured in the USA



BRAKE WINCHES

Special Features:

- Built-in self-activating friction brake that locks winch in position when handle is released.
- All welded and copper brazed construction for greater strength.
- Made in U.S.A.
- Hardened gears throughout on all models.
- Three models - B1200, B1500, and B2500 offer single, double, and triple reduction gearing.
- Meets ASAE safety standard S-361T.
- Standard finish is powder coated metallic copper bronze.
- B series winches are not strap adaptable.

NOT FOR MOVEMENT OF HUMAN BEINGS

PULLING WINCHES

D-L® winches are engineered to offer many distinct advantages.

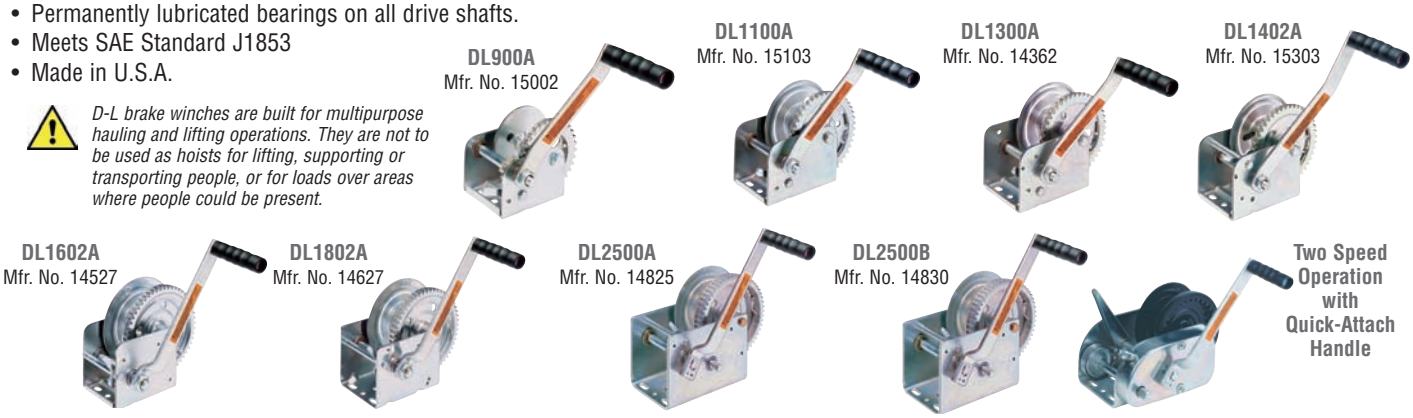
TUFFPLATE®

CE

Manufactured in the USA

- Zinc Plated Tuff Plate® Finish
- Reinforced arc-welded reels. Embossed, reinforced bases, high carbon steel gears throughout.
- Load matched gear ratios for easier cranking. Hunting tooth gear system for more even wear and longer life.
- Permanently lubricated bearings on all drive shafts.
- Meets SAE Standard J1853
- Made in U.S.A.

D-L brake winches are built for multipurpose hauling and lifting operations. They are not to be used as hoists for lifting, supporting or transporting people, or for loads over areas where people could be present.



PULLING WINCH - SPECIFICATIONS

Winch Series	MODEL	Rated Capacity (2)	Drum Hub Dia.	Gear Ratio	Handle Length	Max Mech. Adv.	Reversible Ratchet	2-Speed Operation	Maximum Drum Capacity Cable (3)	Strap	ORDER NO.
Standard Duty	DL 900A	900 lb./408kg	5/8"	3.2:1	7"	55			3/16" x 40'	16'	220-09000
	DL 1100A	1100 lb./499kg	7/8"	3.7:1	7"	49			3/16" x 79'	29'	220-11000
	DL 1300A	1300 lb./590kg	7/8"	4.4:1	7"	56			7/32" x 56'	31'	220-13000
Medium Duty	DL 1402A	1400 lb./635kg	7/8"	4.4:1	9-1/2"	74	◆		1/4" x 40'	31'	220-14020
	DL 1602A	1600 lb./726kg	1-1/8"	5.4:1	9-1/2"	75	◆		1/4" x 58'	45'	220-16020
	DL 1802A	1800 lb./817kg	1-1/8"	5.4:1	9-1/2"	73	◆		9/32" x 58'	38'	220-18020
Heavy Duty	DL 2500A	2500 lb./1134kg	1-1/8"	17.3:1/5.4:1	9-1/2"	229	◆	◆	5/16" x 47'	38'	220-25000
	DL 2500AB	2500 lb./1134kg - With Hand Brake									220-25001
	DL3500B (1)	3500 lb./1589kg	1-5/16"	12:1 / 6:1	9-1/2"	135	◆	◆	3/8" x 37'	-	220-35001

(1) Hand brake standard equipment.
(2) Capacity based on direct line pull on the third layer of line on the drum. Capacity is reduced as the line builds up on the drum.
(3) Drum capacity based on cable size listed. (Cable not included)

The Winches in this Catalogue are not for movement of humans.

D-L pulling winches are not recommended for lifting applications. For lifting, use a D-L brake or worm gear winch. D-L winches are not to be used as hoists for lifting, supporting or transporting or transporting people, or for loads over areas where people could be present,

RATCHET REPAIR KITS For Dutton Lainson Winches

ORDER NO.	Mfr. No.	Kit #	Fits Dutton-Lainson Pulling Winches
106-62901	70453	6290A	DL600A, 900A, 1100A & 1300A
106-62911	70455	6291A	DL1402A, 1602A, DL1602ADD
106-62941	70475	6294A	DL1800A, 1802, 2000A, 2102A, 2500A, 3200A

REPLACEMENT WINCH HANDLES
For Dutton Lainson Winches

No. 6307 Standard 7" steel handle. Fits hand winches with 1/2" drive shaft, Model Nos. DL 600, 800, 900, 1000, 1100, 1200, 1300, 1302 & 1402 - All dates; DL1400 - 1970 thru 1981, late 1982 to present; DL1602 & DL1802 -1973 thru late 1980.
ORDER NO. 106-63070*

No. 6318 Standard 9-1/2" steel handle. Fits hand winches with 1/2" drive shaft, Model Nos. DL 1400 - 1970 thru 1981, late 1982 to present; DL1402 - All dates; DL1602 & DL1802 - 1973 thru late 1980.
ORDER NO. 106-63180*

No. 6319 Standard 9-1/2" steel handle. Fits hand winches with 5/8" drive shaft, Model Nos. DL 1400 - 1982; DL1602 & DL1802 - 1980 to present.
ORDER NO. 106-63190

No. 6322 Quick attach 9-1/2" steel handle. Easy to remove and attach. Fits hand winches with 5/8'' drive shaft, Model Nos. DL 1700 - All dates; DL1800 -1990 to present; DL2000 & DL2500 - late 1980 to present; DL3500 - late 1992 to present.
ORDER NO. 106-63220

CABLE CLAMP
For Dutton Lainson Pulling and Brake Winches.
Mfr. No. 24350
ORDER NO. 106-62850

*** 106-63070 & 106-63180 Handles are interchangeable. The only difference being the length.**

SKYWINCH ROPE WINCH

The revolutionary SKYWinch is the OPPOSITE of traditional ratchet winches and eliminates the hassles and dangers of trailering. Simply leave a bow-line attached to your boat and walk it to your trailer without wading in. Then just place the rope into SKYWinch, pull tight, and start cranking. The patented wheel grips the rope and easily pulls most lighter-weight boats under 18 feet. The crank arm will not spin backwards until released with trigger for control led payout. Accepts ropes to 1/2" diameter and fits most standard trailers with included mounting bracket and hardware.

- **Needs no spools, straps, cables, or ratchets**
- **For most boats under 18'**
- **Includes mounting bracket & hardware to fit standard trailers**

Recommendations:

- For best results, use only "High Capacity" Double-Braided Nylon (non-core) line
- Make sure rope break-strength exceeds boat weight
- Always keep tension on rope when loading

Warnings:

Not for transport of Humans. Always use Safety Chains and/or Tie Downs for towing. Use only as directed. Manufacturer not responsible for user results.

ORDER NO. 937-01000 Mfr. No. SKYWINCH

For more information see: www.greenfieldproducts.com

MARINE TRAILER WINCHES

- **Strongest Pulling Power - makes boat launching and retrieving effortless.**
- **New stronger gears and frame for easier use with a cable that is easier to pull out.**
- **New Rust resistant frame**
- **Adjustable clutch for controlled boat launches**
- **1 year warranty**

Model 712A

- 23' Suggested max. Boat Length, up to a maximum of 6000 lbs.
- Power-in/Free-wheel out
- Switch and lanyard cord
- 40' x 7/32" cable
- Manual Hand Crank
- Pulley Block
- 60 Amp Standard wiring harness
- 14' per minute
- 12 V
- 29 lbs.

ORDER NO.	Mfr. No.	Description
409-77712	P77712	7500 lbs. max.

Model 912

- 30' Suggested max. Boat Length, up to a maximum of 11,500 lbs.
- Power-in/Free-wheel out
- Switch and lanyard cord
- 40' x 7/32" cable
- Manual Hand Crank
- Pulley Block
- 60 Amp Standard wiring harness
- 8' per minute
- 12 V
- 36 lbs.

ORDER NO.	Mfr. No.	Description
409-77912	P77912	11,500 lbs. max.

For more information see: www.powerwinch.com

Powerwinch

REMOTE CONTROL TRAILER WINCHES - ELECTRIC, 12 VOLTS

Enjoy the luxury of effortless trailer loading with our New RC30 and RC23 Remote Control Trailer Winches!

We've made loading your boat onto the trailer easier than ever! The RC 30 and RC 23 are remote operated. Say goodbye to sore muscles from cranking and pulling your boat onto the trailer. With Powerwinch's new RC 30 and RC 23, stand back and simply push the REMOTE and watch the boat glide on to the trailer! Yes! Get the latest in technology and strength with Powerwinch RC 30 and RC 23 state-of-the-art trailer winches. All Powerwinch 12V trailer winches have smooth running gear systems for long-life wear and tear. They feature a corrosion-resistant zinc-plated frame, an aircraft quality cable, a level wind system to prevent cable snarls, and UV resistant ABS plastic housing.

The RC 30 & RC 23 feature a built-in light enclosed in the trailer winch casing so you can use your boat at night!

RC 30

Wireless remote operated trailer winch for boats up to 11,500 Lbs.

- Added convenience of a light enclosed in the trailer winch casing to assist you
- Vertical lift capacity (single line) **4000 lbs**, or double pull/line capacity **7500 lbs.** (Not to be considered or used as a hoist)
- Emergency crank conveniently stores in casing
- Remote power-in / freewheel-out operation
- Re-designed, stronger housing
- Pulley block provides for double line applications
- 60 amp standard wiring harness
- One year limited warranty
- **Max. boat length: 30' / Max. Boat weight: 11,500 lbs**

Mfr. No. P55950 **ORDER NO. 409-55950**

RC 23

Wireless remote operated trailer winch for boats up to 7,500 Lbs.

- Added convenience of a light enclosed in the trailer winch casing to assist you
- Vertical lift capacity (single line) **2400 lbs**, or double pull/line capacity **4300 lbs.** (Not to be considered or used as a hoist)
- Emergency crank conveniently stores in casing
- Remote power-in / freewheel-out operation
- Re-designed, stronger housing
- Pulley block provides for double line applications
- 60 amp standard wiring harness
- One year limited warranty
- **Max. boat length: 23' / Max. Boat weight: 7,500 lbs**

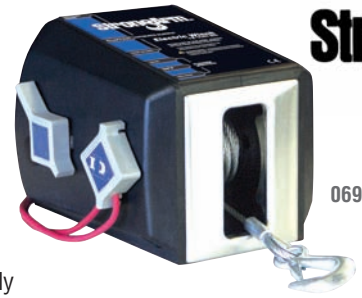
Mfr. No. P55750 **ORDER NO. 409-55750**

Model	Suggested Boat Length	Max. Boat Weight*	Line Speed	Vertical Lift Capacity	Double Line Capacity	Gear Ratio	Circuit Breaker	Cable Length & Diameter
RC 30	23' - 30'	11,500 lbs	8 FPM	4000 lbs	7500 lbs	450:1	60 amp	40' x 7/32"
RC 23	17' - 23'	7,500 lbs	14 FPM	2400 lbs	4300 lbs	225:1	60 amp	40' x 7/32"

*When calculating boat weight, be sure to include boat, motor, fuel, gear and supplies. If in doubt, select the next larger size.

SA SERIES ELECTRIC WINCHES

- **Features Power-in, Power-out, controlled Freewheeling clutch and automatic brake.**
- **Available in 120 volt AC and 12 volt DC models.**
- **SA model equipped with flexible high strength 7 x 19 galvanized aircraft cable. SA9000 and SA12000 also accept 2" wide strap.**
- **Emergency crank handle is standard equipment.**



069-09000

069-12001

AC MODELS

- 120 volt AC operation complete with 10 foot, 3 wire ground power cord and built-in 3 position rocker switch.
- Available with CSA NRTL/C approval, signifying the winch has been evaluated to applicable ANSI/UL and CSA standards for use in the U.S. & Canada. NRTL (Nationally Recognized Testing Laboratory) is designation granted by OSHA to laboratories which have been recognized to perform certification to U.S. standards.

DC MODELS

- High-torque 12 volt DC motor has circuit-breaker overload protection.
- StrongArm® DC electric winches have a dynamic motor break as well as a mechanical friction brake to securely hold the load.
- DC models include wiring harness, 25 foot positive battery wire, and 8 foot ground wire.

Electric Winches

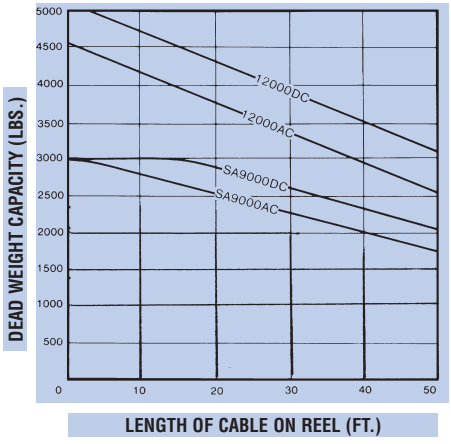
ORDER NO.	VOLTS	RATED LOAD CAPACITY	GEAR RATIO	CABLE SIZE LENGTH	PULLEY BLOCK & HOOK	MODEL NO.
069-09000	12V DC	3000 lbs.	570:1	7/32" x 25'		SA9000
069-09001	120V AC	2700 lbs.	570:1	7/32" x 25'		SA9000AC
069-12000	12V DC	4500 lbs.(1)	570:1	7/32" x 50'	●	SA12000
069-12001	120V AC	4000 lbs.(1)	570:1	7/32" x 50'	●	SA12000AC

(1) Double Line Operation

ELECTRIC WINCH CONTROLS

The electric switch and clutch controls are both located on the same side for easy operation. The electric switch powers the load in and out - when released, it automatically returns to the "off" position. The clutch control provides for smooth load control from a locked to a free-wheeling position. It automatically returns to a locked position when released.
The clutch can be used for a controlled load release without electric power, if desired. The clutch can also be locked in the free-wheeling position for easy cable removal.

All D-L StrongArm® electric winches are built for multi-purpose hauling and pulling operations. They are not to be used as hoists for lifting, supporting, or transporting people; or for handling loads over areas where people could be present.



Approximate Amperage Drain (Full Load)
AC Models 6 Amps
DC Models 70 Amps

For intermittent use only. Ratings are based on 10' lift. For longer lifts at full capacity occasional motor cooling periods should be allowed.

GUIDE TO ROLLING LOAD CAPACITY (3) Maximum weight in rolling load pounds.								APPROXIMATE LOAD SPEED (FT./MIN.)			
MODEL NO.	PERCENT INCLINE						LOAD CAPACITY	NO LOAD		LOAD CAPACITY	
	5% (3)	10% (6)	20% (11)	30% (17)	50% (26)	70% (35)		Full Reel	Empty Reel	Full Reel	Empty Reel
SA9000	20,000	15,000	10,200	7,800	5,500	4,500	3,000 lbs.	11	5	4	2.5
SA9000AC	18,000	13,500	9,100	7,000	5,000	4,100	2,700 lbs.	18	6	7	3.5
SA12000	30,000	22,500	15,300	11,700	8,300	6,800	Double Line 4,500 lbs.	5	2.5	2	1.5
SA12000AC	26,600	20,000	13,600	10,400	7,400	6,100	Double Line 4,000 lbs.	9	3	4	2

All capacities shown are with 15' of cable on the reel and a 10% rolling friction factor. For a full reel of cable adjust capacities according to graph above. Note 5% incline is one half foot rise in ten feet.

NO. 6362
WIRING HARNESS

25' power cable, 8' ground cable.
#8 wire with switch and 80 amp circuit breaker attached.
Fits 12V DC StrongArm® models SA5000, 7000, 9000, and 12000.

ORDER NO. 106-63620
Mfr. No. 24049

NO. 6363
WINCH COVER

Strong vinyl protector to keep StrongArm® winch clean, dry and looking like new.
Fits all SA-Series and TW-Series winches.

ORDER NO. 106-63630
Mfr. No. 24051

NO. 6364 EMERGENCY
CRANK HANDLE

ZINC TUFFPLATE® finish. Handle fits all StrongArm® models, features spring loaded safety clip.
Allows winch to,be operated in the event of a power outage or motor failure.

ORDER NO. 106-63640
Mfr. No. 70307

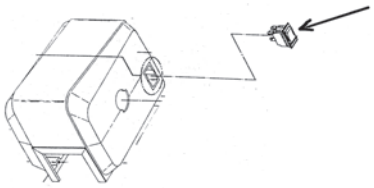
NO. 6366
BALL ADAPTER PLATE

Makes StrongArm® winch available for instant mount operation. Bolt plate to winch, slip pear-shaped cutout over any standard front or rear mounted hitch ball (Up to 2").
ZINC TUFFPLATE® finish.

ORDER NO. 106-63660
Mfr. No. 24053

STRONGARM® AC MOTOR SWITCH

ORDER NO. 102-04419
Mfr. No. 204419



NO. 6367 IN-CAB SWITCH RECEPTACLE

For 12-volt DC StrongArm® winch models. This unit conveniently mounts under the dashboard. A StrongArm® winch positioned at either the front or back of the vehicle can be operated from inside the cab. It consists of a switch bracket, 10' of wire, and utilizes the power switch that is supplied with the StrongArm® winch. It plugs directly into the winch switch pocket without rewiring.
The switch bracket is similar to the power switch socket located on the side of the StrongArm® winch.

ORDER NO. 106-63670
Mfr. No. 24058

STRONGARM® ELECTRIC WINCH CABLES

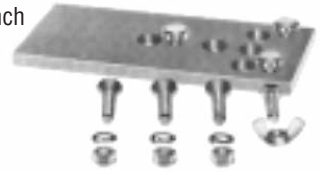
REPLACEMENT WINCH CABLES

MODEL# / PART#	CABLE SIZE &LENGTH	ORDER NO.
SA9000/069-09000 SA9000AC/069-09001	7/32" X 25'	106-63610
SA12000/069-12000 SA12000AC/069-12001	7/32" X 50'	106-62120

NO. 6368
ADAPTER PLATE

This heavy 3/8" x 4" x 8" steel plate with quick mount studs, properly mounts winch on narrow stands.
ZINC TUFFPLATE® finish.

ORDER NO. 106-63680
Mfr. No. 24055



NO. 6370
ANGLE MOUNTING KIT

For mounting all StrongArm® electric winches to trailer winch stands where insufficient room and improper angle are present. Black powder-coated finish. Hardware included.

ORDER NO. 106-63700
Mfr. No. 24059

ELECTRIC WINCH ACCESSORIES

NO. 6372
REMOTE HAND-HELD SWITCH
For 120 volt AC StrongArm® winch models.This kit provides a 10-foot remote hand-held switch unit which can be wired directly to the winch. (Plug-in connector #6373 is optional.) The pendant has an “in-off-out” switch similar to the power switch provided on all 120 volt AC StrongArm® winch models.

ORDER NO. 106-63720

NO. 6373
PLUG-IN CONNECTOR
Accessory for No. 6372 Remote Switch Kit.

ORDER NO. 106-63730

NO. 6371
REMOTE HAND-HELD SWITCH

For 12-volt DC StrongArm® winch models. This attachment permits the user to operate the StrongArm® winch from a location up to 10 feet away. It features a solenoid-control box which mounts next to the winch and plugs directly into the winch switch pocket without rewiring. It has a durable hand-held pendant switch at the end of the cord which can be unplugged for safe storage. Individually cartoned.

ORDER NO. 106-63710

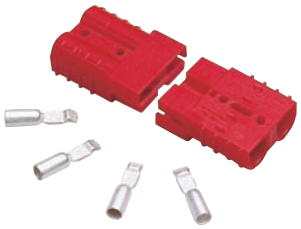
NO. 6383
IN-CAB REMOTE SWITCH KIT

For 12-volt DC StrongArm® winch models. This kit includes a heavy-duty three-position rotary switch, 80 amp circuit breaker, 15 feet (+) and 5 feet (–) battery wires and two 10-foot switch-to-winch wires. The switch can be conveniently mounted in the vehicle dashboard for easy access. It plugs directly into the winch switch pocket without rewiring. Individually packaged.

ORDER NO. 106-63831

NO. 6385
ELECTRICAL QUICK CONNECTOR
Fits 6-16 gauge wire.
For all 12 volt DC SA Models.

ORDER NO. 106-63850



NO. 6365
QUICK MOUNT KIT
Provides quick, easy winch installation and removal.
Includes three shoulder studs with washers and nuts, plus 3/8" bolt, lock washer and wing nut.

ORDER NO. 106-63650

PULLEY BLOCK & SWIVEL HOOK
No. 6216 For double line operation on electric winches.

ORDER NO. 106-62160

NO. 6209
PULLEY BLOCK
Pulley block only, no hook.
Used for double line operation of electric winches.

ORDER NO. 106-62090

For more information see: www.dutton-lainson.com

TIE DOWN
MANUFACTURING INGENUITY

HITCH CABLES

Replace your noisy chains with self-coiling hitch cables.

- Black Vinyl Jacketed with Safety Latch Hook
- Durable galvanized aircraft cable construction
- 36" long cables with S-hooks
- Exceed SAE J684 standards

ORDER NO.	Mfr. No.	Class	Load Rating
404-59537	59537	Class 2,	3500 lb.
404-59541	59541	Class 3,	5000 lb.
404-59548	59548	Class 4,	7000 lb.

"S" HOOK CHAIN KEEPERS

These patented safety chain keepers attach easily to the "S" hooks to keep your chains secured to the vehicle. Required in some states.
Packed 2 per package.

ORDER NO. 404-81255

SAFETY CHAINS

Zinc plated trailer safety chains are packed in pairs with S-Hooks.
Class 3, 1/4" x 31"L

ORDER NO.	Mfr. No.
404-81203	81203

For more information see: www.tiedown.com

BOW SAFETY CHAINS

Tie Down's bow safety chain connects the boat to the bow stand of the trailer.
3/16" x 15-1/2"L. 1 per pack.

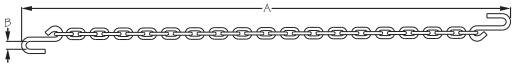
ORDER NO.	Mfr. No.
404-81201	81201

SEA-DOG LINE
QUALITY MARINE GEAR

SAFETY CHAIN WITH "S" HOOKS

Zinc Plated Steel

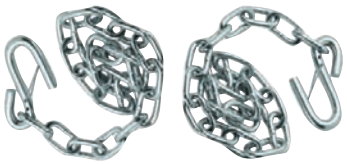
- Used between trailer & vehicle to prevent separation if trailer inadvertently comes off trailer ball
- Has "S" hooks on both ends



ORDER NO.	Mfr. No.	A	B	Chain Link Size	Class
427-52010	752010-1	44-1/2"	13/16"	1/4"	2 (3500 lb)

For more information see: www.sea-dog.com

FULTON



SAFETY CHAINS

- 1/4" x 24"
- 7/16" Safety Hook
- Clear Zinc finish
- 2 chains per package

ORDER NO.	Mfr. No.	Description	Grade
175-10140	CHA0010140	5,000 lbs Cap.	30

FULTON

SAFETY CHAIN

1/4" x 36" chain. 1/4" chain interior dimension is sized so a 1/2" bolt shank can pass through. Grade - 70. 1/4" Forged clevis hook. Yellow zinc finish. 12,600 lbs. capacity. Conform to J684.6.3.4 SAE standards.

ORDER NO. 175-20324
Mfr. No. CHA0020324

For more information see: www.fultonperformance.com

SAFETY CHAINS

Zinc Plated Finish. Heavy steel hook with safety clip.
Meets SAE and V-5 standards. Sold in Pairs

106-62170

106-62540

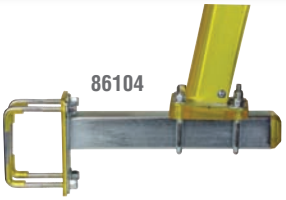
ORDER NO.	Mfr. No.	Description
106-62170	22101	Class 1, Chain Size 24" x 3/16", Up to 2,000 lbs. capacity
106-62540	22105	Class 3, Chain Size 36" x 1/4", Up to 5,000 lbs. capacity

For more information see: www.dutton-lainson.com

TIE DOWN
MANUFACTURING INGENUITY

PREMIUM POLYMER GUIDE ON'S

Drive on your boat safely in high winds or strong currents. Our premium polymer boat guides are designed to absorb impact of the hull and protect the trailer's finish. Poly-vinyl protector pads eliminate metal to metal contact and prevent rust. Steel components are zinc plated and are a universal fit for 3" and 4" trailer frame sizes. Soft poly-vinyl post is 22" high. Non-marking white PVC post option also available in 48" and 60" lengths. Sold in pairs with hardware included.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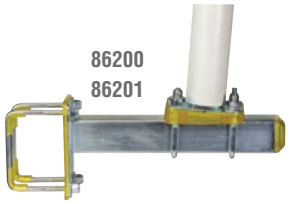

86200
86201

22" Soft Poly Vinyl
Mfr No. 86104
ORDER NO. 404-86104

48" PVC Post Kit
Mfr No. 86200
ORDER NO. 404-86200

60" PVC Post Kit
Mfr No. 86201
ORDER NO. 404-86201

FLOATING GUIDE POST - ADJUSTABLE 48 - 60"

The user can choose to notch the post at a specific height or set on floatable mode and allow the waterline to naturally and automatically adjust the overall height as it enters/exits the water. This allows the post to always remain above the waterline and function regardless of the boat ramp inclination.

- Metal tube is made from heavy-duty 14 gauge steel, pre-galvanized, & powder coated for a durable finish
- Features a 30° slant through the bottom 18" to allow for varying hull shapes
- PVC pipe is black, non-marring & designed to hide the floating slot & holes for a clean look
- Width can adjust 8"
- Mounting bracket fits 3" & 4" tall frame rails

ORDER NO.	Mfr. No.	Colour
404-86568	86568	Black
404-86576	86576	White

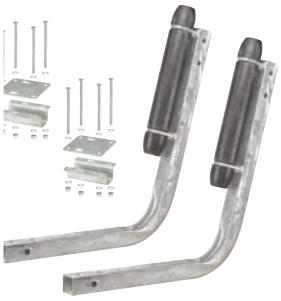
NEW!

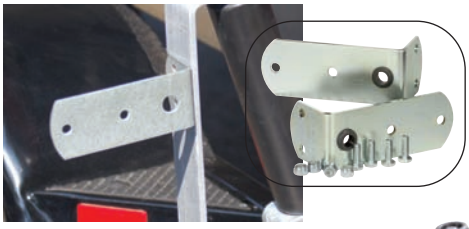
86568

FIXED ANGLE ROLLER GUIDE ON

Mount these 13" rubber rollers on top or beneath the frame for precise placement. The galvanized guide-mount adjusts for widths up to 13" on each side and fit frames 2" - 4" high. Hardware included. Sold in pairs.

Mfr. No. 86102
ORDER NO. 404-86102

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LOW RIDER GUIDE ON

Ideal for Jon boats, bass boats and personal watercraft while providing the strength of traditional guide on's. The guide posts are made of 1-1/2" square, 16 gauge steel tubing and galvanized for long lasting protection. Guide covers are made from high impact non-marking molded PVC. Mounts to trailer cross members 2 in. wide and 2 - 4 in. high. All mounting hardware included.

Mfr. No. 86466
ORDER NO. 404-86466

86106

ROLLER SIDE GUIDE ON

Roller angle adjusts to angle of hull with 16" of adjustment (8" each side). Hot dip galvanized steel with one piece adjustable clamp with U-bolt. Fits all channel and tube frames up to 5".

ORDER NO.	Mfr. No.	Description
404-86106	86106	Roller Side Guide
404-86107	86107	Side Guide Light Bracket Kit Only

PONTOON TRAILER GUIDE ON

Bright orange end caps on these PVC guides provide a bright, visible target when loading your pontoon boat. The guide posts are designed to be mounted between the pontoons. Made of 1-1/2" square, 16 gauge steel galvanized tubing and covered with 2" x 20" non-marking white PVC pipe. Guide posts extend fully into the PVC tube for additional strength. Mounts to trailer cross members 2" wide and 2-4" high. All mounting hardware included.
Sold in pairs.

Mfr. No. 86465
ORDER NO. 404-86465

PONTOON TRAILER "FLOATING" GUIDE ON

Designed for submerged trailers, the PVC guide automatically rises upward adding an additional 12" visibility, for a total adjustable viewing height of 24".- 36"
Bright orange end caps on these PVC posts provide a clear target when loading your pontoon boat. The guide posts are designed to be mounted between the pontoons. Made of 1-1/2" square, 16 gauge steel galvanized tubing and covered by 2" x 20" PVC pipe. Guide posts extend fully into the PVC tube for additional strength. Mounts to trailer cross members 2 in. wide by 2", 3" or 4" high.
All mounting hardware included.
Sold in pairs.

Mfr. No. 86468
ORDER NO. 404-86468

HIGH IMPACT PONTOON GUIDE ON

Guide your pontoon boat safely onto the trailer in high winds and strong currents with these high-impact guide on's. The hot dip galvanized steel 2-1/2" square-tube posts are covered with non-marking molded PVC material and designed to be mounted between the pontoons. Mounts to trailer cross members 2" wide by 2-3" high. All mounting hardware included.
Sold in pairs.

Mfr. No. 86467
ORDER NO. 404-86467

For more information see: www.tiedown.com

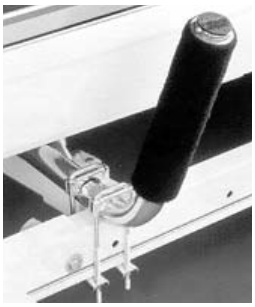
FULTON®

BOAT GUIDES

Boat guides help you visually guide your boat onto the trailer. high-strength super gripper mounting brackets attach firmly above and below the trailer frame. Easy bolt-on mounting fits trailer frames up to 3" x 5" high. Adjustable to provide optimum fit to any hull design.

075-44010

075-15001



075-20101

ORDER NO.	Mfr. No.	Description	Hub Dia.
075-44010	GB44 0101	Non-marring, marine grade PVC tubing	44"
075-15001	GB150 0100	Non-marring, marine grade PVC tubing	50"
075-20101	BGR20 0101	Galva-Tec® finish, steel construction with non-marring, cushioned roller	20"

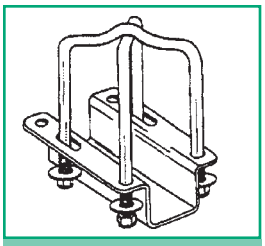
For more information see: www.horizonglobal.com

ROLLER & PONTOON GUIDE-ONS

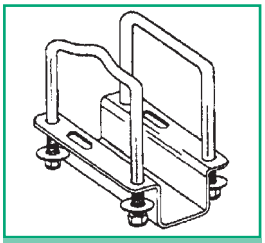
ROLLER STYLE BOAT GUIDE-ON
Rollers already pre-assembled to posts

Makes boat loading easier. Galvanized posts are preassembled with 9" roller and end caps. Height 21" with adjustment out to 13" each side. Can be mounted on top of frame for extra height. Complete for trailer frames up to 3" wide x 4-1/2" height. Display box.
Use kit #336-11416 longer u-bolts for frames up to 3" x 5-1/4"
Use kit #27630A for raised mounting of tail lights, (special order).

Mfr. No. 27610
ORDER NO. 336-27610



For 2" Wide Frame

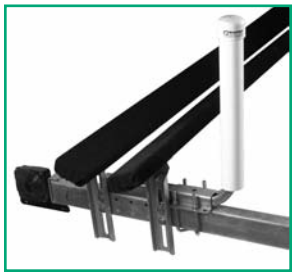


For 3" Wide Frame

PONTOON STYLE BOAT GUIDE-ON
The easy way to position a pontoon boat on a trailer

- Guide posts go inside to center boat on trailer
- Metal arm extends fully into PVC tube for strength
- Height: 22"
- Made of 1-1/2" square 16ga. steel tubing covered by sturdy 2" PVC pipe
- Comes complete with hardware for trailer frames up to 3" wide x 4-1/4" high

Model No. 27670
ORDER NO. 336-27670



PONTOON CARPETED BUNK GUIDE-ON
With U-Bolt Mounting Brackets

- Ideal for bunk style pontoon boat trailers with box, channel, or I-beam frames up to 3" wide x 4-1/4" tall. Pontoon glides easily past the carpeted bunk boards guiding the pontoon boat onto the trailer
- Height: is adjustable and is set during install between 24" and 36" above trailer frame
- Mount with bunks 2" to 3" from pontoons on a trailer frame cross member.
- Galvanized steel construction with zinc plated hardware
- Includes two 24" carpeted bunk boards

Model No. 27671
ORDER NO. 336-27671
Sold in pairs

PONTOON ROLLER BUNK GUIDE-ON
With U-Bolt Mounting Brackets

- Ideal for bunk style pontoon boat trailers with box, channel, or I-beam frames up to 3" wide x 4-1/4" tall.
- Minimum friction rolling action easily guides pontoon boat onto the trailer
- Height is 25" above trailer frame.
- Mount with roller bunks 2" to 3" from pontoons on a trailer frame cross member.
- Galvanized steel construction with zinc plated hardware
- Includes two rubber roller bunks

Model No. 27672
ORDER NO. 336-27672
Sold in pairs

For more information see: www.cesmith.com

POST STYLE BOAT GUIDE-ON

•Metal tubes extend more than half way into PVC tubes for extra strength
• 40" or 60" height

Makes it easy to see the end of trailer while on the road or when loading or unloading. Galvanized post extends more than half-way into each non-marring heavy-duty 2" PVC tube for extra stability. Can be mounted on top of frame for extra height. Complete for trailer frames up to 3" wide x 4-1/4" height. Display box.
#27620 Post inserted 18" into PVC tube.
Can be extended out to 13" from each side of trailer frame.
#27640 Post inserted 36" into PVC tube.
Can be extended out to 19" from each side of trailer frame.
• Use kit #336-11416 longer u-bolts for frames up to 3" x 5-1/4"
• Use kit #27650A for raised mounting of tail lights, (special order).

336-27620

336-27646

ORDER NO.	Mfr. No.	Description
336-27620	27620	40" Post Guide-On, White
336-27626	27626	40" Post Guide-On, Black
336-27640	27640	60" Post Guide-On, White
336-27646	27646	60" Post Guide-On, Black

BUNKBOARD STYLE BOAT GUIDE-ON

Adjustable 5 Ft. Bunks

Carpeted bunkboards provide proper center loading even in wind or side current conditions. Marine grade 2" x 4" x 5 Ft. boards tilt and are covered with high grade marine carpet. Distance between galvanized upright posts can be adjusted to fit trailer. Height of 21" with adjustment out to 13" each side. Can be mounted on top of frame for extra height. Complete to fit frame up to 3" wide x 4-1/4" height. Display box.
• Use kit #336-11416 longer u-bolts for frames up to 3" x 5-1/4".
• Use kit #27630A for raised mounting of tail lights, (special order).

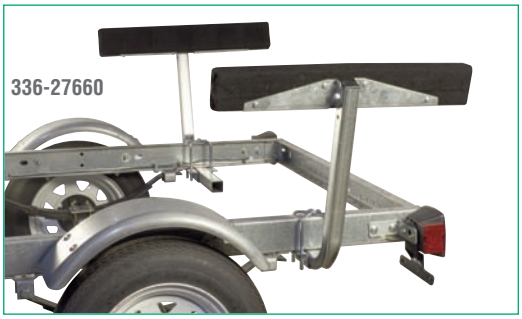
336-27600

ORDER NO.	Mfr. No.	Description
336-27600	27600	Bunk Guide-On

SHORT BUNK STYLE BOAT GUIDE-ON

Adjustable 2 Ft. Bunks

Same solid construction as our larger model. Bunk is 24" long, covered with deluxe marine carpet, and mounted with an extra strong adjustable bracket. Height of 21" with adjustment out to 13" each side. Can be mounted on top of frame for extra height. Complete for frames up to 3" wide x 4-1/4" height. Display box.
• Use kit #336-11416 longer u-bolts for frames up to 3" x 5-1/4".
• Use kit #27630A for raised mounting of tail lights, (special order).


336-27660

ORDER NO.	Mfr. No.	Description
336-27660	27660	Short Bunk Guide-On

For more information see:
www.cesmith.com

POST GUIDE-ONS WITH LED LIGHTED POSTS

40" tall or 60" tall

- Red (faces backwards) and Amber (faces forward) LED lights
- Improve visibility on the road and on the ramp
- Tough and shockproof
- Clear colourless when off
- Galvanized arms and non-marking PVC posts (notched to prevent twisting)
- Fits frames up to 3" wide x 4-1/4" high
- Mounting hardware and wiring included
- Sold in pairs

ORDER NO. 336-27740
Model 27740
- Height 40"
- Adjusts out to 13" each side
- Fits frames up to 3"W x 4-1/4"H
- 1-1/2" sq. 16 ga pre-galvanized steel post extends 18" into 2" PVC tube for strength

ORDER NO. 336-27760
Model 27760
- Height 60"
- Adjusts out to 19" each side
- Fits frames up to 3"W x 4-1/4"H
- 1-1/2" sq. 16 ga pre-galvanized steel post extends 36" into 2" PVC tube for strength

SMITH™

POST GUIDE LIGHT LED KIT

One piece lamps fit easily on top of your existing 2" PVC post guide-ons. Amber light faces front, red faces rear. Includes two sealed one piece LED lamps, each with 8' of wire and all necessary electrical connectors and post locking bolts.

- Tough long lasting, waterproof, shockproof
- Eight super bright LED's provide twice the visibility
- Consume 1/3 the energy
- Stay cool to the touch

ORDER NO.	Mfr. No.
336-27656	27656A

65" HEAVY DUTY HOT DIP GALVANIZED POST GUIDE-ONS

These post guide-ons serve the same purpose that all other Smith post guide-ons do, however these include metal uprights made of a thicker 12 gauge steel that has been hot-dip galvanized for greater corrosion resistance, making this set of post guide-ons ideal for heavy salt water use. This guide-on fits channel frames up to 4" wide by 5-1/4" tall, and any size of I-beam frame due to the two mounting options included. The metal uprights can be adjusted up to 19" out from the side of the frame.

ORDER NO.	Mfr. No.
336-27637	27637

75" POST STYLE GUIDE-ON

Designed for I-beam Trailers & I-beam Boat lifts

These extra tall post guide-ons allow you to see the location of the trailer when it's underwater. Designed for I-beam trailers and I-beam boat lifts, these guide-ons feature an innovative two piece mounting clamp that works above or below the I-beam. Fits on I-beams up to 4" wide with provided hardware. Sturdy 1-1/2" galvanized tube upright extends over 40" into the non-marring, heavy duty 2" PVC tube. Provides up to 19" of lateral adjustment out from trailer frame. Sold in pairs.

ORDER NO.	Mfr. No.
336-27635	27635

65" ALUMINUM POST GUIDE-ONS

Designed for I-beam Trailers

These post guide-ons utilize uprights that mount directly to your I-Beam trailer frame using stainless steel u-bolts, nuts and washers for a fit that will work on virtually any size I-Beam frame. The metal uprights can be adjusted up to 19" out from each side of the trailer frame. Recommended for I-Beam trailer frames used in salt water due to the corrosion resistance of aluminum. Warning: To reduce the risk of nut seizure when using stainless steel hardware always apply a light coat of grease to threads prior to assemby.

ORDER NO.	Mfr. No.
336-27638	27638

40" ANGLED POST GUIDE-ONS

Providing an easy visual while centering your boat

The angled PVC Post Guide-Ons allow you to easily center your boat on your trailer at the ramp.

- Fits trailer frames 3-1/4" wide by 4" tall
- Mounts above or below the trailer frame
- Adjusts up to 13" away from the trailer frame
- Angled to allow for wide or flared hulls
- For larger frames use with P/N 11416 (C.C. Order No. 336-11416) mounting U-bolts

NEW!

ORDER NO.	Mfr. No.	Description
336-27627	27627	White
336-27647	27647	Black
336-27657	27657	Replacement White PVC Caps (Pair)
336-27659	27659	Replacement Black PVC Caps (Pair)

For more information see: www.cesmith.com

SMITH™

MOUNTING KIT FOR I-BEAMS

Use on trailers, boat lifts, docks or other applications

Fits all Shipshape™ Boat Guides

- Special new 2-piece mounting bracket for any I-Beam application
- Holds 1-1/2" tubing
- Bolts included to fit up to 4" W I-Beam
- Will fit wider beams with customer supplied longer bolts
- Can be mounted under or on top of I-Beam

Kit Includes:

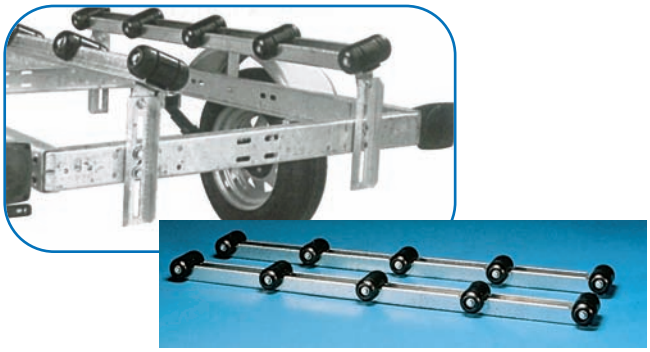
- (4) Galvanized steel clamps
- (2) 1-1/2" Hex Head Screws, Zinc
- (2) 2-3/4" Hex Head Screws, Zinc
- (4) Washers, Zinc

ORDER NO.	Mfr. No.
336-27682	27682A

ROLLER BUNKS

Change bunk trailers to roller-type

Made of heavy gauge galvanized steel for long lasting rust protection. Can be mounted on existing flat bunkboards, or use special mounting brackets (sold separately) for height and angle adjustment.
Note: Mounting hardware not included



- Easier loading and unloading on short or un-improved ramps
- Replaces bunk boards or may be added on top of existing bunks
- Channel-style bunks pre-assembled
- Channel 2-1/8"W x 2-1/2"H
- Pair supports up to 1,500 lbs.

ORDER NO.	Mfr. No.	Description
336-27700	27700	4 ft. Roller Bunk, Galvanized, Pair, boxed
336-27710	27710	5 ft. Roller Bunk, Galvanized, Pair, boxed

DELUXE MARINE BUNK CARPET

Slit to 11" or 18" Widths

High quality, weather-resistant 17 oz. carpet renews trailer bunk appearance & protects boats from scratches.
Durable backing, minimal water retention.
11" width completely covers 2x4 or 2x6.
18" width completely covers 2x6 or 3x8.
Cut to desired length.

ORDER NO.	Mfr. No.	Colour	Size
336-11330	11330	Black,	11" x 12'
336-11330-2	11330-2	Black,	11" x 150' (bulk)
336-11349	11349	Black,	18" x 18'
336-11372	11372	Grey,	11" x 12'

For more information see: www.cesmithco.com

FULTON®

MARINE GRADE BUNK CARPETING

Choose 8" or 12" Widths

- Marine Grade carpeting allows the do-it-yourselfer to replace worn and dirty carpet on bunk trailers
- The carpet protects your boat investment by reducing scratching on the hull and keeps it in like-new condition
- Individual rolls are shrink-wrapped for shelf display

ORDER NO.	Mfr. No.	Description
108-80120	CR8012	Bunk carpeting, B lack, 12" x 144"

For more information see:: www.horizonglobal.com

For more information see: www.cesmith.com

TIE DOWN
MANUFACTURING INGENUITY

BUNK BOARD GUIDE ONS

The 2x4 black carpeted bunk boards are offered in 24" or 60" lengths. Posts can be mounted 5-11" on the side of the frame. If mounted above the frame, bunk placement is 19" high. U-bolts and nuts are zinc plated, and mounting hardware is galvanized for corrosion protection. Kit fits frames 2-3" wide and up to 4" high.
Sold in pairs with all mounting hardware included.

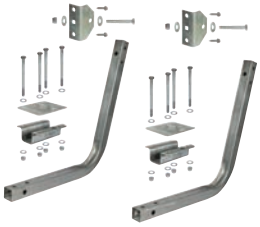
2 ft. ORDER NO. 404-86123
Mfr. No. 86123

5 ft. ORDER NO. 404-86124
Mfr. No. 86124

BUNK BOARD GUIDE ON POST & HARDWARE KIT

Designed for use on tandem axle trailers for mounting of bunk board guides. Kit includes everything needed except for customer supplied bunk boards.

ORDER NO. 404-86340
Mfr. No. 86340



PREMIUM SIDE GUIDE ON'S - 24"

Guide your boat on safely in high winds or strong currents with the 24" Premium Boat Guides. The soft poly-vinyl cover is designed to absorb the impact of the hull and protect your boat from scratches and dings as well as the trailer's finish. Sold in pairs with all hardware included. Universal fit for 3" & 4" trailer frame sizes.

ORDER NO. 404-86148
Mfr. No. 86148

I-BEAM MOUNTING KIT - GUIDE POSTS

The I-beam mounting kit allows you 1-1/2 in. square guide tube to securely mount onto any steel or aluminum I-beam trailer frame. The kit includes 4 brackets, 2 smaller 3/8" bolts & 2 3/8" bolts depending of frame rail width. Brackets are galvanized, hardware in zinc plated

ORDER NO. 404-86569
Mfr. No. 86569

NEW!

ADJUSTABLE PVC GUIDE ON

Adapts to most tube and channel trailer frames. Galvanized for long lasting protection and include heavy-duty steel component parts. Bright orange end caps on these PVC guides provide a visible target when loading your boat. Boat guide on's are 48" high with up to 16" of side adjustment. Sold in pairs with hardware included.

Mfr. No. 86105
ORDER NO. 404-86105

MADE IN THE USA

PVC POST GUIDE ON - HEAVY DUTY

PVC guide on posts feature bright orange end caps providing visual markers to help launch & load your boat safely. Posts are available in 48" and 60" lengths as well as 90 degree or a slant 13 degree angle. The 13 degree slant guide posts give a wider target when loading your boat, while 90 degree straight guides are used for narrower trailers and boats. The non-marking PVC pipe is braced with metal tubing 15 in. into the pipe, adding strength and impact resistance. Posts equipped with LED lights offer additional visibility.
All hardware included. Bolts and nuts are zinc plated, & mounting brackets are galvanized for lasting protection against corrosion.
Sold in pairs.

MADE IN THE USA

Slant

ORDER NO.	Mfr. No.	Description
Slant 13 Degree		
404-86103	86103	48"L,
Straight 90 Degree		
404-86342	86342	48"L
404-86441	86441	48"L **with LED Lights**

SMITH

BEARING PROTECTORS W/ COVER

ORDER NO.	Mfr. No.	Description
336-16270	16270	Chrome - 1-781"
336-16271	16271	Chrome - 1-985"
336-16272	16272	Chrome - 2.328"
336-16273	16273	Chrome - 2.441"

For more information see: www.cesmith.com

FULTON

BEARING PROTECTORS

Protects wheel bearings from the elements during all trailer operations. Automatically maintains the correct internal pressure - cannot damage seals. Chrome-plated steel construction. Sold in pairs and are available in bulk or full colour display packages. Some models include vinyl cover

ORDER NO.	Mfr. No.	Description	Hub Dia.
198-06040	BPC1980604	Bearing protector w/cover, (Clam shell)	1.980"

For more information see:: www.horizonglobal.com

STAINLESS STEEL WHEEL BEARING PROTECTOR

The only sure way to prevent trailer wheel bearing failure from ruining your trip is with the Stainless Steel Wheel Bearing Protector.

- Stainless steel barrel and components will outlast your boat.
- Keeps water and dirt out of hubs and bearings.
- Makes boat trailer hubs safely submersible, even in saltwater.
- Eliminates both the need and the mess of bearing re-packing.
- Automatic grease pressure control feature prevents overfilling and seal damage.

genuine Bearing Buddy®

Chrome Plated

ORDER NO. "New" S/Steel w/Bra	ORDER NO. "Old Style" Chrome Plated	Bearing Protector Size	Outer Bearing Cone	Outer Bearing Cup
201-19801	101-19800	1.980	L44643, L44649,L44640	L44610
201-17811	101-17810	1.781	LM11949	LM11910

NOTE: Bearing Buddy protectors come as pairs.

Stainless Steel with Bra

ORDER NO. "New" S/Steel w/Bra	ORDER NO. "Old Style" Chrome Plated	Bearing Protector Size	Outer Bearing Cone	Outer Bearing Cup
201-23281	102-23280	2.328	LM67048, hub not counter-bored	LM67010
201-24411	102-24410	2.441	LM67048, hub counter-bored, 15123 & others	LM67010
202-27170	102-27170	2.717	14124,14125A	14276

BEARING BUDDY® BRA

The Bearing Buddy® Bra is a vinyl cover designed to keep grease off trailer wheels. Many users tend to overfill the hubs with grease, which will escape out the front of the Bearing Buddy® through the automatic pressure relief feature. The Bearing Buddy® Bra captures this excess grease and keeps it off your tires and wheels.

ORDER NO.	Bra Model	Fits most bearing protectors from the following chart
101-00190	19 B	#201-19801, #101-19800
101-00170	17 B	#201-17811, #101-17810
102-00230	23 B	#201-23281, #102-23280, #202-27170, #102-27170, #201-24411, #102-24410

NOTE: Bearing Buddy protectors come as pairs.

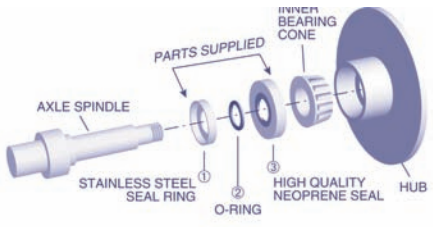
SPINDLE SEAL BY BEARING BUDDY®

The Spindle Seal System eliminates excessive grease leakage caused by rough sealing surfaces, which will quickly destroy any seal. With the Spindle Seal System, high-quality neoprene seals ride on a smooth stainless steel surface constantly greased by the action of the Bearing Buddy®, prolonging the life of the seals.

If axle spindles already have stainless steel surface rings permanently installed you do not need Spindle Seal.

SELECTION CHART

ORDER NO.	Model	Use With Bearing Buddy	If Inner Bearing Cone Number is	And Seal Diameter is
004-00010	1	1.980	L44643	1.98"
004-00020	2	1.980,1.968, 2.562	LM48548, L68149	2.56"
004-00030	3	1.980	LM29749	2.56"
004-00040	4	1.938, 1.980T	15123	2.63"
004-00050	5	1.980	L44649	1.98"
004-00070	7	1.781	LM67048	2.33"
004-00080	8	2.328	LM67048	2.33"
004-00090	9	1.938, 1.980T	15123	2.50"
004-00100	10	1.810	L68149	2.36"
004-00110	11	2.441	25580	3.38"



For more information see: www.bearingbuddy.com

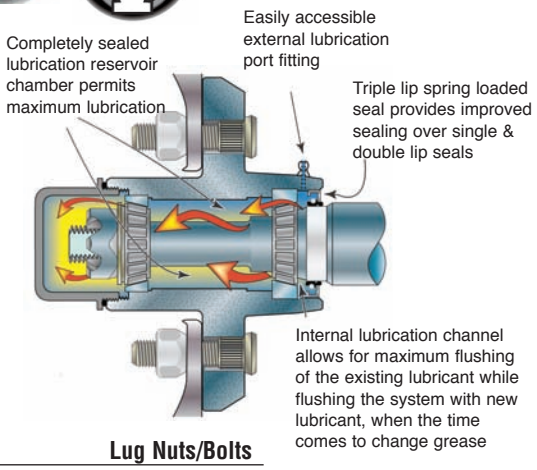
TRAILER RUNNING GEAR

VORTEX HUB KITS
HIGH PERFORMANCE
100,000 MILE LUBRICATION SYSTEM

With LUCAS OIL premium marine grease, a lithium complex fortified grease with rust and oxidation inhibitors, high pressure additives that provide a high degree of water resistance and washout properties

- 100,000 mile or 6 year limited warranty*
- "No Touch" lubrication system
- No maintenance/service for lower operating costs
- No need for periodic re-greasing or inspection
- Reusable dust cap is threaded for easy removal should the need occur

** Six year full replacement on hub and bearings*



ORDER NO.	Mfr. No.	Description	Capacity	Bearing Size	Lug Nuts/Bolts
404-81016	81016	5 Stud	1,250 lbs.	1" inner & outer bearings	Lug Nuts
404-81017	81017	5 Stud*	1,350 lbs.	1-1/16" inner & outer bearings	Lug Nuts
404-81022	81022	5 Stud UHI	1,750 lbs.	1-3/8" inner & 1-1/16" outer bearings for tapered spindles	Lug Nuts

** NOTE: Fits all wheels with a center hole of 2.75" or larger, may not fit all 8" to 13" wheels.*

REPLACEMENT WHEEL HUB KITS
Ready to Roll PAINTED Pre-Greased Hub Kits.
All kits include: bearings, seals, dust cap, cotter key, and lug nuts.
Bearings and hub cavity 100% pregreased.
Triple Lip Grease Seal and Bearings are preassembled.
Hubs are 100% Filled with Lucas Red N' Tacky Grease which is fortified with a high degree of extreme pressure additives.
That gives it a TRUE Timken load; much higher than other greases of this type.

ORDER NO.	Mfr.No	Description	Capacity	Bearing Size ~ Spot On Reference	Lug Nuts/Bolts
404-81060	81060	4 Stud Hub Kit	(1,250#)	1" inner & outer bearings ~ Green	Lug Nuts
404-81065	81065	4 Stud Hub Kit	(1,350#)	1-1/16" inner & outer bearings ~ Yellow	Lug Nuts
404-81080	81080	5 Stud Hub Kit	(1,250#)	1" inner & outer bearings ~ Green	Lug Nuts
404-81085	81085	5 Stud Hub Kit	(1,350#)	1-1/16" inner & outer bearings ~ Yellow	Lug Nuts
404-81090	81090	5 Stud Hub Kit	(1,750#)	1-3/8" inner & 1-1/16", outer bearings for tapered spindles ~ Red & Yellow	Lug Nuts

VORTEX REPLACEMENT BEARING & GREASE KITS
Kit Includes: Bearings, Cup, Seal, Super Lube Dust Cap and 3 oz. Tube of Lucas Marine Grease

ORDER NO.	Mfr.No	Bearing Size	SS Cap	Spot On Reference	Ind. Bearing Code	Ind. Cup Code
404-81132	81132	1"	Included	Green	L44643	L44610
404-81133	81133	1-1/16"	Included	Yellow	L44649	L44610
404-81134	81134	1-3/8" x 1-1/16"*1	Included	Red & Yellow	L68149/L44649	L68111/L44610
404-81137	81137	1-3/8" x 1-1/16"*2	Included	Red & Yellow	L68149/L44649	L68110/L44610

***1** - Cup 2.3612" O.D.,* ***2** - Cup 2.328" O.D.*

LUCAS GREASE

ORDER NO.	Mfr.No	Description
404-11008	11008CS	Lucas Marine Grease, 14 oz. Tube
404-11008-R	11008RCS	Lucas Red N' Tacky Grease, 14 oz. Tube

404-11008

404-11008-R

SMITH™

TRAILER GALVANIZED HUB KITS

Galvanized hubs are hot dip galvanized to protect from corrosion. These hubs come fully assembled with pre-greased bearings, which cuts down on the mess and makes final installation on to the axle much easier. Includes dust cap, cotter pin and lugs nuts.

Order No.	Mfr. No.	Spindle	Bolt Circle	Capacity	Flange O.D.	Max. Wheel	Hub I.D.
336-13215	13215	1"	5 x 4-1/2	1250	5-9/16"	12"	1.98"
336-13315	13315	1-1/16"	5 x 4-1/2	1350	6-1/2"	14"	1.98"
336-13515	13515	1-3/8"-1-1/16"	5 x 4-1/2	1750	6-1/2"	15"	1.98"

TRAILER PAINTED HUB KITS

Includes hub, pre-greased bearings, seal, lug nuts, cotter pin, dust cap and carrying case.
Cast iron replacement hubs for all types of trailers. Everything in one display box.
Includes: • Hub • Bearings • Seal • Lug Nuts • Dust Cap • Grease

Order No.	Mfr. No.	Spindle	Bolt Circle	Capacity	Flange O.D.	Max. Wheel	Hub I.D.
336-13110	13110	1"	4 x 4	1250	5-9/16"	12"	1.98"
336-13210	13210	1"	5 x 4-1/2	1250	5-9/16"	12"	1.98"
336-13311	13311	1-1/16"	5 x 4-1/2	1350	6-1/2"	14"	1.98"
336-13511	13511	1-3/8"-1-1/16"	5 x 4-1/2	1750	6-1/2"	15"	1.98"

BEARING KITS

Replacement wheel bearing sets for trailer hubs include bearings, cups, seal, cotter pin.

Order No.	Mfr. No.	Spindle O.D.	Outer Bearing	Inner Bearing	Outer Cup	Inner Cup	Hub I.D.	Spindle Type
336-27111	27111	1"	L44643	L44643	L44610	L44610	1.98"	Straight
336-27112	27112	1-1/16"	L44649	L44649	L44610	L44610	1.98"	Straight
336-27113	27113	1-1/4"	LM67048	LM67048	LM67010	LM67010	2.33"	Straight
336-27115	27115	1-3/8" x 1-1/16"	L44649	L68149	L44610	L68111	1.98"	Tapered

WHEEL NUTS AND BOLTS

• Package of 5 pieces

Replacement wheel nuts and bolts for the most commonly used trailer wheels.
Zinc plated. Display pack.

336-11052

336-11062

Order No.	Mfr. No.	Description
336-11052	11052A	Wheel Nuts 1/2"- 20
336-11062	11062A	Wheel Bolts 1/2"-20 x 1-5/8"

For more information see: www.cesmithco.com

McGard

TRAILER LUG NUTS

Guaranteed for life not to chip, peel or rust

- Triple-nickel chrome plating for beauty & durability
- Through-hardened alloy steel construction
- Hex size: 13/16"
- Overall length: 1.5"

Package of 10 - (1/2"-20 cone seat lug nuts)

ORDER NO.	Mfr. No.
716-74043	74043

For more information see: www.mcgard.com

RECREATION TRAILER HUBS

(C / W cups, bearings, seal & dust cap)

CARLISLE

ORDER NO.	No. of Studs	Bolt Circle Dia.	Pilot Dia.	Bearing I.D. Inner	Bearing I.D. Outer	Brg Type	Wheel Nut	Taper	Max. Load Capacity lbs.
060-47326	4	4"	2.5"	1"	1"	T.R.	1/2-20NF	60	1100
060-47336	5	4.5"	2.5"	1"	1"	T.R.	1/2-20NF	60	1100
060-47340	5	4.5"	2.56"	1.38"	1.06"	T.R.	1/2-20NF	60	1750

060-47326

TRAILER HUB ACCESSORIES

Fig No.	ORDER NO.	Description	Hub Group
1.	060-47438	Grease Seal	A & B

060-47438

For more information see: www.carlstargroup.com

ROLLER BEARING KITS

Roller Bearing Kits with Triple Lip Seal

Precision Tapered Roller Bearings.
Each kit includes: 2 cones, 2 cups, seal, cotter pin and dust cap. Colour coded for quick reference.

Description	ORDER NO.
3/4" Bearings w/ Dust Cap	404-81106
1" Bearings w/ Dust Cap	404-81111
1-1/16" Bearings w/ Dust Cap	404-81116
1-1/16" x 3/4" Tapered Bearings w/ Dust Cap	404-81121
1-1/4" Bearings w/ Dust Cap	404-81126
1-1/4" x 3/4" Tapered Bearings w/ Dust Cap	404-81131
1-3/8" Bearings w/ Dust Cap	404-81136
1-3/8" X 1-1/16" Tapered Bearings w/ Dust Cap	404-81141

BEARINGS, CUPS & SEALS

(Packaged 2 per)

BEARING SIZE / REF	BEARING ORDER NO.	CUP ORDER NO.
3/4" (W)		404-81301
1" (G)	404-81302	404-81305
1-1/16" (Y)	404-81304	404-81305
1-1/4" (B)	404-81306	
1-3/8" (R)	404-81308	404-81309

SEAL SIZE / REF	FITS	SEALS ORDER NO.
1" (W)	3/4"	404-81311
1-1/4" (G&Y)	1"& 1-1/16"	404-81310
1-1/2" (B)	1-1/4"	404-81312
1-3/4" (R)	1-3/8"	404-81313

LUG NUTS & BOLTS

Packed 5 to a package

ORDER NO.	Mfr. No.	Description
404-81170	81170	Lug Bolts, 1/2"
404-81172	81172	Lug Nuts, 1/2"

404-81143

404-81168

DUST CAPS

Packed 2 to a package

ORDER NO.	Mfr. No.	Description
404-81143	81143	Vortex Replacement Cap Assembly
404-81168	81168	Super Lube Dust Cap

UNIVERSAL TIE PLATES

Universal tie plate fits 1.90", 2" & 2-3/8" axle/U-bolt patterns.
One package covers most of your customers needs.
Hot dip galvanized for lasting protection.
2 per package.

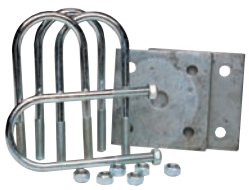
ORDER NO.	Mfr. No.
404-81186	81186

KIT FOR AXLE SPINDLES

ORDER NO.	Mfr. No.	Description
404-81169	81169	Nut/Washer/Cotter Pin

AXLE TIE PLATE KITS

Each kit contains:
4 U-bolts
8 Lock nuts
2 Five hole tie plates



ORDER NO.	Mfr. No.	Description
404-81180	81180	Fits 2-3/8" Round Axles, Galvanized
404-81185	81185	Fits 2" Square Axles, Galvanized

CAMCO

SUPER WHEEL CHOCK

Keep your vehicle and trailer from moving. Keep your trailer in place and re-hitch with confidence. Solidly constructed of durable polypropylene with UV inhibitors.

Mfr. No. 44492
ORDER NO. 668-44492

WHEEL CHOCK WITH ROPE

Chocks keep your trailer in place so you can re-hitch with confidence. Solidly constructed of durable hard plastic with UV inhibitors. Attached rope conveniently helps with placement and removal from the wheel.

Mfr. No. 44472
ORDER NO. 668-44472

WHEEL DOCK™ - HEAVY DUTY

Prevent your trailer tongue jack wheel from rolling on the pavement or sinking into soft ground. Heavy duty, durable dock is easy to store and transport.

Mfr. No. 44632
ORDER NO. 668-44632

For more information see: www.camco.net

SMITH™

WHEEL CHOCKS

- **Prevents trailer from rolling**
- **Fold flat for easy storage**
- **Extra safety for tire changing and trailer storage**

Protection against slippage anytime a trailer needs to stay put.
Strong heavy gauge metal chocks fold flat for transport and set up in seconds.
Convenient package of two takes up very little room.
Each folded: 5" x 6" x 1-1/4". Each set up: 5" x 6" x 4".
Display pack. **Sold in pairs**

ORDER NO.
336-32600 Mfr. No. 32600

For more information see: www.cesmithco.com

Sierra
Marine Engine and Drive Parts

TRAILER BEARING KITS

ORDER NO.	Description	For
018-11050	1" Bearing Kit (BRG # L44643-L44610)	Straight Spindles
018-11060	1-1/16" Bearing Kit (BRG # L44649-L44610)	Straight Spindles
018-11070	1-1/4" Bearing Kit (BRG # LM67048-LM67010)	Straight Spindles
018-11090	1-1/4" & 3/4" Bearing Kit (BRG # LM67048-LM67010, LM11949-LM11910	Step Spindles

TRAILER SEALS

ORDER NO.	O.D.	Shaft Size	Width
018-11750	1.985	1.125	.467
018-11760	1.983	1.250	.257

For more information see: www.catalog.sierraparts.com

DEXTER

TRAILER BRAKING SYSTEMS

ELIMINATOR VENTED DISC BRAKES

"Integral" one piece style vented rotor and aluminum caliper with automotive quality brakes pads

- Lifetime ceramic pads with stainless steel backing plates.
- Distinctive 380 aluminum caliper with E-coat finish
- Vented rotor with GalvX finish
- Galvanized heavy duty mounting bracket included
- Stainless steel bleeder valves and guide pins
- Bimetal piston with Stainless Steel piston cup
- Aluminum caliper with raised ribs dissipates heat up to 5 times faster than cast iron calipers
- Precision bearings, seal and grease factory installed
- 2 kits required per axle

ORDER NO.	Mfr. No.	Description
404-82113	82113	10" "Integral" Style Vented Rotor Disc Brake Kit
404-82100	82100	12" "Integral" Style Vented Rotor Disc Brake Kit

"G5" STAINLESS STEEL DISC BRAKES

Single piston aluminum caliper, patented bimetal aluminum/stainless piston, oil impregnated bronze bushings, ceramic pads with stainless steel backing plates & stainless steel slider pins. GalvX coated hub and galvanized mounting bracket.
(For 13", 14", or 15" Wheels – Replaces 10" Drum Brakes)

- All aluminum Caliper: 380 series, sheds heat five times faster than cast iron calipers
- Ceramic Pads: Floating ceramic pads with stainless steel backing plates
- Stainless steel rotor with venting holes
- Slim design
- Swivel brake line connector
- Large single piston design
- Factory pre-installed stainless steel slider pins
- Package includes one brake assembly per box
- Each kit is for one wheel, includes mounting bracket
- 3,500# Axle – 5 Lug Hub

- Rotor Diameter: 9.6" x .3125"
- Hub Capacity: 1,750#
- Hub Bearing Size: 1-1/16" x 1-3/8"
- Hub Bolt Pattern: 5 @ 4.5"

ORDER NO.	Mfr. No.	Description
404-82091	82091	10" G5 Disc Brake Assembly, ***GalvX*** Hub

HYDRAULIC DRUM BRAKES

Absolutely, Positively the MOST Corrosion Resistant Drum Brake PERIOD! The GalvX system is composed of inorganic polymers which bond metallic zinc flakes to the metal surface.

- Aluminum wheel cylinder
- Stainless steel springs
- Brake pads are bonded and riveted with bronze rivets to backing plate
- GalvX coating offers superior saltwater performance over standard drum brakes

ORDER NO.	Mfr. No.	Description
404-81097	81097	10" GalvX Drum Brake Assembly, Left & Right (Includes Mounting Nuts & Bolts)
404-81098	81098	12" GalvX Drum Brake Assembly, Left & Right (Includes Mounting Nuts & Bolts)
Brake Parts		
404-80994	80994	10" & 12" Brake, Drum Wheel Cylinder Kit Includes two master cylinders and mounting screws

For more information see: www.dexteraxle.com

DEXTER

ELECTRIC DRUM BRAKES

Electric brakes offer braking in forward & reverse. Features water resistant connections, rubber molded plugs, and quick switch electrical connections for fast and easy installation. Sold in pairs, left and right mounting nuts and bolts included.

ORDER NO.	Mfr. No.	Description
404-82087	82087	10" Electric Drum Brakes

BRAKE DRUM HUBS

Hubs are designed to work with hydraulic or electrical drum brakes.
Painted brake drum hubs for greater corrosion resistance.
Filled with Lucas "Red N' Tacky" heavy duty grease

ORDER NO.	Mfr. No.	Size	Description
404-81001	81001	10"	w/bearings,cups,seal,grease & 5 studs
404-81004	81004	10"	Hub only - cups & studs installed
404-81003	81003	12"	Hub only - cups & studs installed

ELIMINATOR VENTED ROTOR DISC BRAKE COMPLETE KIT

Kit comes with everything needed to replace trailer disc brakes for faster stopping power. Disc brake actuator features cast ball clamp, oversized master cylinder, with back flow style solenoid installed. Includes a pair of **GalvX** coated vented rotor disc brakes, disc brake actuator, brake line kit and free backing solenoid. Also includes brake hoses, brass fittings and attachment hardware. Fits 13", 14", and 15" wheels. DOT 3 brake fluid not included.

ORDER NO.	Mfr. No.	Description
404-82405	82405	10" Vented Rotor Brake Installation Kit
404-82406	82406	12" Vented Rotor Brake Installation Kit

ELIMINATOR CAP STYLE VENTED ROTOR DISC BRAKE with Vortex Hubs Complete Kit

Now you can get the best of both worlds, Eliminator Disc Brakes with Vortex Lubrication.

- "Cap" Style rotor fits over the Vortex hub
- Disc brake actuator features a cast ball clamp, Drop N' Go auto coupler latch, oversized master cylinder, with solenoid installed
- Includes a pair of ***GalvX*** coated cap style disc brakes, Vortex hubs, disc brake actuator and a brake line kit.
- Also includes brake hoses, brass fittings and attachment hardware
- Fits most 14" and 15"
- DOT 3 brake fluid not included

ORDER NO.	Mfr. No.	Description
404-82410	82410	10" Cap Style Vented Rotor w/660 Actuator

G5 STAINLESS STEEL DISC BRAKE COMPLETE KIT

Kit comes with everything needed to replace trailer disc brakes for faster stopping power. Disc brake actuator features cast ball clamp, oversized master cylinder, with back flow style solenoid installed. Includes a pair of Stainless Steel disc brakes with GalvX hub, disc brake actuator, brake line kit and free backing solenoid. Also includes brake hoses, brass fittings and attachment hardware.

ORDER NO.	Mfr. No.	Description
404-82404	82404	10" G5 Disc Brake Installation Kit

For more information see: www.dexteraxle.com

DEXTER

AXLE BRAKE LINE KITS

Add disc or drum brakes to your trailer. All hardware included, you supply the actuator and brakes. The "Add On" Axle Kit must be used with the Single Axle Kit. The Tandem Axle Kit combines both Single Axle and "Add On" Kits into one package.

MADE IN THE USA

ORDER NO.	Mfr. No.	Description
404-80326	80326	Single Axle Brake Line Kit
404-80327	80327	"Add On" Axle Brake Line Kit
404-80328	80328	Tandem Axle Brake Line Kit

BRAKE PAD SETS

Replacement pads for 10" & 12" disc brakes. Ceramic pads come with stainless steel backing plates and a lifetime warranty
Full axle replacement, 4 pads

404-81251

404-81100

ORDER NO.	Mfr. No.	Description
404-81251	81251	Ceramic Brake Pad kit for Vented Disc Brakes
404-81252	81252	Ceramic Brake Pad kit for "G5" Disc Brakes

BRAKE ACTUATORS

- Cast steel latch handle – Stronger, lays flatter, better looking
- Quick Lock 2" coupler – Coupler in closed position will auto lock on the hitch ball
- Aluminum master cylinder – Corrosion resistant
- Cast steel ball clamp – Stronger than stamped steel
- Safety pin locks the coupler to the ball – Coupler stays locked to the hitch ball even if latch is damaged
- Grease fittings on roller pins – Grease rollers with ease, longer life, better operation
- Dampener built-in and pre-loaded – No need to load dampener before bleeding the brakes

MADE IN THE USA

For disc brake only models

- Solenoid built into master cylinder – Solenoid can be cleaned or exchanged without removing the brake line or removing the actuator from the trailer

ORDER NO.	Mfr. No.	Model	Capacity	Brake Type	Solenoid Included
404-82401	82401	660	6600 lbs.	Drum	No
404-82400	82400	660	6600 lbs.	Disc	Yes
404-82402	82402	800	8000 lbs.	Disc	Yes

DROP N GO AUTO LATCH COUPLER

Quick and easy auto latch coupler, Class 4, 7,000 lbs. capacity, uses a 2" hitch ball and fits on a 3" tongue or channel tube. New coupler features technology that allows the coupler, when set in the closed (tow) latch position, to auto-latch onto the hitch ball when set on top of the ball with minimal weight.

- Quick and easy auto latching coupler
- Class 4
- 7,000 lbs. capacity
- Uses 2" ball

Mfr. No. 82420
ORDER NO. 404-82420

FLEXIBLE BRAKE LINE KIT

No need to go to the auto parts store again.
Two 1/8" ID x 24" flexible 3000psi. brake lines are ideal for disc brake installation requirements. Connects from brake caliper to female end of brake line or can be connected to existing steel lines with adapters included in the kit. Flexible line connection required on all disc brakes.

Mfr. No. 81099
ORDER NO. 404-81099

REVERSE LOCK OUT SOLENOID

Unlike drum brakes, disc brakes generate full braking power in reverse. If your actuator does not have a reverse lock out lever or switch, a reverse lock-out solenoid should be installed at the actuator before installation of disc brakes.
Can be used on drum brakes as well.

Mfr. No. 81103
ORDER NO. 404-81103

BUNK BOARDS

Heavy-duty replacement for 2 x 4 bunk boards come in two sizes, 4', and 5' lengths. Black marine grade carpet provides a smooth surface for your boat to easily slide on or off. Sold in pairs.

ORDER NO.	Mfr. No.	Size
404-86128	86128	4"
404-86129	86129	5"

86164

BUNK SLICKS

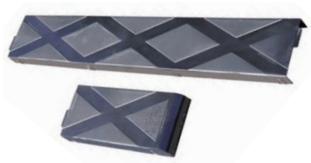
Bolts directly onto carpeted bunk boards. Fits 2" x 6" or 2" x 4" standard bunk boards. Slide on or off with less effort. Easy to install.

ORDER NO.	Mfr. No.	Description
404-86164	86164	3" x 16", **(10 pieces)**
404-86170	86170	1-3/4" x 17", **(8 pieces)**

BUNK BOARD CARPET

All weather carpet is designed to replace worn and frayed bunks on your trailer. The marine grade carpet will not rot or mildew. Each roll measures 11" x 12'. Carpet completely wraps around 2x4's and on three sides of 2x6 bunks.

ORDER NO.	Mfr. No.	Description
404-86137	86137	Black, 11" x 12"



MODULAR BUNK GLIDE ON'S

- Self centering bunk glide on's
- Interlocking modular sections
- Ideal for painted, fibreglass, or aluminum surfaces
- Designed to fit various bunk board lengths
- Fits: Two 2" x 6" x 8' Bunk Boards
- Kit includes: 4 - 3 ft. sections, 4 - 1" end sections, & hardware
- Kits can be combined for longer length bunk boards

ORDER NO. 404-86295 Mfr. No. 86295

For more information see: www.tiedown.com

TACO MARINE

TRAILER PREMIUM GLYDE SLICKS

- Launch & load your boat with ease
- Eliminates friction between the bottom of the boat & the runners
- Easily insytalled on carpeted or bare bunks
- Evenly distribute the weight of the boat
- Ideal for all aluminum, fiberglass & wood boats up to 2,000 lbs.
- Includes stainless-steel screws and instructions
- Dimensions: 2'L x 1-1/2"W x 7/16" Thick

ORDER NO. 305-06006 Mfr. No. P06-06W

For more information see: www.tacomarine.com

SMITH™

FRAME CROSS MEMBER PAD

Mounts to frame cross members to absorb accidental contact between the boat and a frame cross member.

- 10" long

ORDER NO.	Mfr. No.
336-16870	16870

FRAME STRAPS

GALVANIZED

- 1/4" thickness

ORDER NO.	Mfr. No.	Width	Length	Hole Centre	Hole
336-20016	20016GA	1-1/4"	4"	2-9/16"	9/16"
336-20017	20017GA	1-1/4"	5"	3-1/2"	9/16"
336-20028	20028GA	1-1/4"	6"	4-1/2"	9/16"

BOW GUIDE V BAR BRACKET

Mounts 2" square tube vertically to frame cross member.
9/16" dia. holes. 7 ga

ORDER NO.	Mfr. No.
336-10170	10170GA

V-WING BRACKET FOR PONTOONS

Laterally adjustable

- Hot Dip Galvanized
- Supports 2' x 6' or 2' x 8' Bunks
- 7" Lateral adjustment slot for perfect pontoon to trailer alignment

ORDER NO.	Mfr. No
336-26244	26244GA

For more information see: www.cesmithco.com

TIE DOWN
MANUFACTURING INGENUITY

GALVANIZED METAL FENDERS

Heavy duty stamped fenders are made from 16 gauge galvanized steel. Fenders can be drilled to fit a variety of mounting options. Mounting brackets not included.

ORDER NO.	Mfr. No.	Wheel Size	Dimensions (W x L x H)
404-86264	86264	8"	7" x 20" x 6"
404-86265	86265	12"	7" x 23.5" x 6.5"
404-86267	86267	14-15"	9" x 31.5" x 13"

PLASTIC FENDERS

Upgrade your trailer with these high impact polyethylene fenders. Plastic fenders are UV protected. Designed for normal and low profile tires. Small fenders have "no load" capacity and fit 8" to 12" wheels. Large fenders have 200# capacity and fit 13", 14", and 15" wheels on single or multiple axle setups.

ORDER NO.	Mfr. No.	Description	Size
404-44331	44331	Large Black	11-3/8" x 45" x 11"
404-44332	44332	Large White	11-3/8" x 45" x 11"
404-17026	17026	Small White	7-3/4" x 21" x 5"

BRACKET-LESS PLASTIC FENDER

High impact plastic fender designed to mount directly to your frame without using fender brackets. Fender position is easily changed and designed for wheels up to 12".

ORDER NO.	Mfr. No.	Colour
404-86556	86556	Silver

PLASTIC FENDERS - "SUV" Style Fenders

Corrosion proof and impact resistant. Injection molding process assures consisent quality of shape and finish. Modular design accommodates for 14"-15" tires and wheels.

ORDER NO.	Mfr. No.	Description
404-86553	86553	"SUV Single" Fender

Mounting hardware included.

FENDER BRACKETS

Metal fender brackets for 8" and 12" fenders are available in flush mount and offset. Requires two brackets per fender.
The plastic fender brackets mount flush, two required for each fender. All brackets are galvanized.

ORDER NO.	Mfr. No.	Description
METAL FENDERS		
404-86260	86260	Offset Brackets for, 8" & 12" Metal Fenders (Pair)
404-86262	86262	Flush Brackets for, 8" & 12" Metal Fenders (Pair)
PLASTIC FENDERS		
404-81231	81231	Flush Brackets for, #17026 & 17033 Plastic Fenders (Pair)
404-44141	44141	Step Brackets for Large Plastic Fenders (Sold individually) (Bulk)

ADJUSTABLE FENDERS

Made from.080 Aluminum Treadbrite for stability. Adjusts between 60-72" in length to accommodate almost all dual-axle trailer sizes and configurations. Width is 9" and 16" height. Kits are boxed and easily shipped.

ORDER NO.	Mfr. No.	Description
404-86268	86268	Tandem Regular Fender
404-86269	86269	Tandem Teardrop Fender

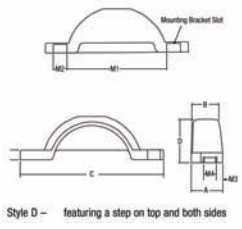
TIE DOWN
MANUFACTURING INGENUITY

For more information see: www.tiedown.com

FULTON

PLASTIC FENDERS

High density polyethylene (HDPE) fenders are injection molded & corrosion proof with impact resistant. 300 lb. Capacity. Molded-in colour is "scratch proof". Built-in skirt. Optional integral step pad. Handles temperature extremes. Mounting slots.



ORDER NO.	Mfr. No.	Tire Size	A (in.)	B (in.)	C (in.)	D (in.)	E (in.)	F (in.)	M (1) (in.)	M (2) (in.)	M(3) (in.)	M(4) (in.)
105-08573	508573	13""	9.00	7.70	40.00	12.00	-	2.750	28.00	4.00	2.12	3.750

For more information see: www.horizonglobal.com

FENDER BRACKETS - GALVANIZED

Brackets for mounting round fenders on trailer frame.

Brackets are pre-punched for 3/8" bolts. Use 3/8" carriage head bolts for fender attachment. Use hex head bolts with washer & nuts for frame attachment. Use two brackets per fender.
Sold in pairs. **Note: Mounting hardware not included**

5-1/4"H x 6"W for mounting a 7" wide fender used on 8"-12" tire & wheels

8-1/4"H x 6-1/2"W for mounting a 8" or 9" wide fender used on 13", 14" and 15" tire & wheels

ORDER NO.	Mfr. No.	Description
336-26062	26062GA	For 7"W Fender used on 8"-12" tires
336-26099	26099GA	For 8" or 9"W Fender used on 13",14" or 15" tires

ROUND FENDERS

- Paintable 16 ga. galvanized steel
- Aluminum tread plate

ORDER NO.	Mfr. No.	W	Length	Height	Tire
336-17700	17700G	7"	20"	6"	8"
336-17701	17701G	7"	23-1/2"	6-1/2"	12"
336-17800	17800G	8"	27-3/8"	11"	13"
336-17900	17900G	9"	31-1/2"	13"	14"&15"

SPOOL TYPE ROLLERS

Made of Black molded rubber

ORDER NO.	Length	For Shaft Size
103-31178	4"	1/2"
103-31219	5"	1/2"
336-29522	5"	5/8"

RIBBED ROLLER

This popular style is used on many “all roller” and “self-loading” trailers. It features a large 5'' outer diameter for maximum support and a 1-1/2'' wide nylon bearing surface for easy turning on the roller axle. Made of black molded rubber.
Nylon bushing insert.

ORDER NO.	Length	Width	For Shaft Size
103-13934	5"	3"	1-1/8"

V-STYLE BOW GUARDS

ORDER NO.	Base Dim.	Span	For Shaft Size
218-81113	2” x 2”	4”	3/8”
218-81137	3” x 3”	6”	1/2”
218-81144	4” x 4”	7”	1/2”

ADJUSTABLE ROLLER BRACKET ASSEMBLY

Offset brackets mount on tongue to hold roller for keel support.
Offset is 1". Length is 11-1/2".
Mounts with 3/8" diameter bolts.
Hardware included. Display pack.

ORDER NO.	Mfr. No.	Description
336-32003	32003G	Bracket Assembly 3" Tongue
336-32005	32005G	Bracket Assembly 2" Tongue

For more information see: www.cesmith.com

KEEL ROLLER - HEAVY DUTY

Made of black molded rubber.

ORDER NO.	Length	For Shaft Size
103-31058	8"	5/8"

WOBBLE ROLLER

1/4'' thick plated steel washer chemically bonded to rubber.
Won’t tear out!

ORDER NO.	Length	O.D.	For Shaft Size
103-31166	4-1/4''	4-1/4"	3/4"

SPOOL TYPE BOW ROLLER

Normally used on trailer winch mount.
This roller acts as a bow stop for the boat.
Made of black molded rubber.

ORDER NO.	Length	For Shaft Size
103-31383	3"	1/2"
103-41744	4"	1/2

END CAPS

Rubber end caps are a direct replacement for the original equipment on many trailers.
Fits standard brackets and shaft sizes.

ORDER NO.	Diameter	Length	For Shaft Size
336-29590	2"	1-3/4"	1/2"

MOLDED SIDE GUIDE ROLLER

Helps centre the boat and prevent damage from trailer fenders and lights.

ORDER NO.	Size	For Shaft Size
103-92024	2" Dia. x 9"L	1/2"

TIE DOWN
MANUFACTURING INGENUITY

PANEL BRACKET ASSEMBLY

Brackets are one piece, heavy-duty hot dipped galvanized 11 gauge steel specifically designed to support keel rollers. Assemblies include keel roller, shaft and pal nuts.

ORDER NO.	Mfr. No.	Description	Roller Size	Width Between Slots	Bracket Width
404-86280	86280	Amber - Poly	8"	6"	8-3/8"

SPLIT PANEL BRACKETS

Sold in pairs (right and left) to accommodate any size roller length. Slot allows vertical adjustment for stabilizing boat on trailer. Hot dipped galvanized for lasting protection. Slots accept 7/16" or 1/2" bolts. Use 1/2" or 5/8" roller shaft.

ORDER NO. 404-81235

PANEL BRACKETS

Brackets are one piece, heavy duty hot dip galvanized 11 gauge steel, specifically designed to support keel rollers. Slots accept 7/16" or 1/2" diameter bolts and provide vertical roller adjustment. Roller shaft diameter can be 1/2" or 5/8".

ORDER NO.	Mfr. No.	Roller Size	Width Between Slots	Bracket Width
404-86151	86151	5"	3"	5-3/8"
404-86152	86152	8"	6"	8-3/8"
404-86153	86153.	12"	10"	12-3/8"

FLUTED SHACKLE BOLTS

For use with spring hanger brackets. Fluting prevents the bolt from turning, which can wear hanger brackets

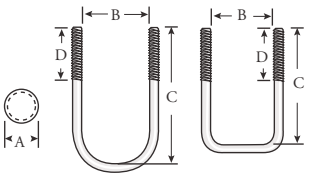
- Zinc plated grade 5 steel
- 9/16" x 3" bolts w/nuts
- 2 per pack

ORDER NO.	Mfr. No.
404-86250	86250

U-BOLTS

Used for mounting brackets to trailer frame. Includes flat washers and nyloc nuts.

A = Rod Width - Threads Per Inch
B = Between Leg Length (Inside thread)
C = Leg Length
D = Thread Length



Hot dipped galvanized to prevent rust build-up

A	B	C	D	Shape	Galvanized
7/16"-14	1-9/16"	3-9/16"	2"	Square	404-86220 (Each)
1/2"-13	1-9/16"	4-1/16"	2"	Square	404-86221 (Each)
1/2"-13	3-1/16"	3-13/16"	1-1/2"	Square	404-86222 (Each)
1/2"-13	2-1/16"	4-13/16"	2"	Square	404-86223 (Each)
3/8"-16	1-3/4"	4-13/16"	1-3/4"	Round	404-86224 (Each)
1/2"-13	2-3/8"	5-3/8"	2"	Round	404-86225 (Each)
1/2"-13	3-1/16"	6-11/16"	2"	Round	404-86226 (Each)
3/8"-16	1-5/8"	3-9/16"	1-3/4"	Square	404-86227 (Each)

RUST

MADE IN THE USA

For more information see: www.tiedown.com

Zinc coating to help prevent rusting

A	B	C	D	Shape	Zinc Plated
7/16"-14	2-1/16"	2-5/16"	1"	Square	404-86228 (Each)
1/2"-13	3-1/8"	3"	1-1/2"	Square	404-86205 (Pair)
1/2"-13	3-1/8"	4"	2"	Square	404-86206 (Pair)
1/2"-13	4-1/8"	3"	2"	Square	404-86207 (Pair)
3/8"-16	2-1/8"	4"	1-3/4"	Square	404-86208 (Pair)

GALVANIZED U-BOLTS

ORDER NO.	Mfr. No.	Dia/Thread	Width	Length	Form
336-15283	15283GA	1/2"-13	3-1/16"	3-13/16"	Square
336-15286	15286GA	1/2"-13	2-3/8"	5-3/8"	Round
336-15287	15287GA	1/2"-13	3-1/16"	6-11/16"	Round

SMITH™

For more information see: www.cesmithco.com

LONGER U-BOLT KIT

Longer U-bolts to mount all styles of boat guides on taller trailer frames up to 5-1/4" in height. Leg length is 6" with thread length of 2". 5" Bunkboard style guide-on requires (2) sets. All other guide-ons require (1) set.

ORDER NO.	Mfr. No.	Description
336-11416	11416	Set of 4 U-Bolts

YELLOW PVC ROLLERS

YELLOW PVC ROLLERS				
Description	No.	ORDER NO.	Mfr. No.	ID
5" Keel Roller	A	336-29516	29516	5/8"
8" Keel Roller	B	336-29517	29517	5/8"
10" Keel Roller	C	336-29518	29518	5/8"
12" Keel Roller	D	336-29519	29519	1/2"
4" Spool Roller	E	336-29526	29526	5/8"
3" Bow Roller	F	336-29542	29542	1/2"
4" Bow Roller	G	336-29543	29543	1/2"
3" x 3" Y-Stop	H	336-29554	29554	1/2"
8" Bow Roller	I	336-29791	29791	1"
3" Bell Assembly	J	336-29334	29334	1/2"
4" Bell Assembly	K	336-29335	29335	1/2"

ALUMINUM BOLSTER BRACKETS

- Overall length: 8" with slot length of 2-3/4"
- 2-1/2" wide with 1/2" wide slots
- 1/2" diameter swivel hole

ORDER NO. 336-10100A40
Mfr. No. 10100A40

90° ALUMINUM HEAVY DUTY VERTICAL BUNK BRACKETS

- 1/4" thick
- Strong enough to mount large bunk boards to carry large boats
- Sold Individually

ORDER NO.	Mfr. No.	Width	Length
336-10160A40	10160A40	5"	6"
336-10161A40	10161A40	5"	8
336-10162A40	10162A40	5"	10"

FENDER STEP PAD

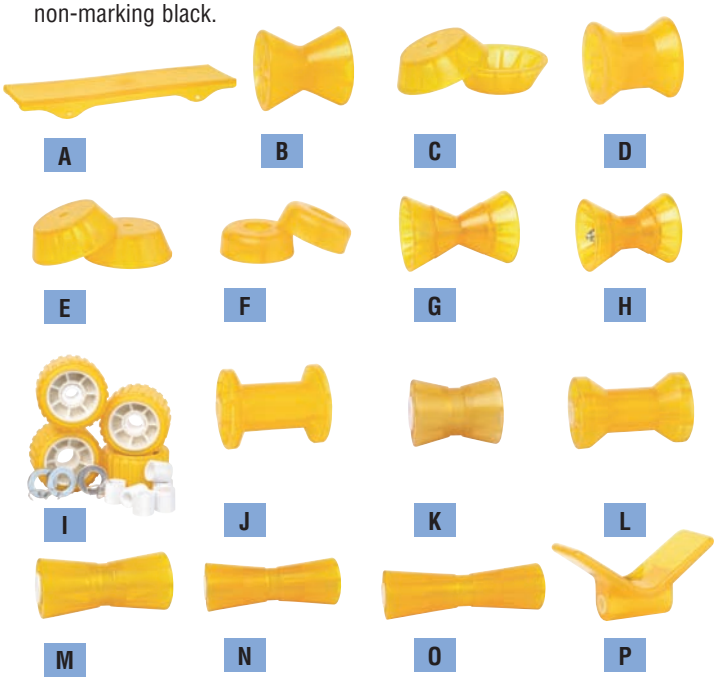
- Hot dip galvanized
- Universal, 15-1/4" long
- Can be bolted to your trailer frame with U-Bolts. (not included)

ORDER NO.	Mfr. No.	Size
336-26212	26212GA	1-3/16"H x 3"W x 15-1/4"L, LH / RH

Hull Sav'r

NON-MARKING HULL SAV'R ROLLERS & KEEL PADS

New poly vinyl rollers are long lasting, will absorb shock, are cut resistant and will not mark or mar your boat. Available in non-marking amber and non-marking black.



AMBER

Description	No.	ORDER NO.	Shaft Size
Keel Pad 15"x3.5" (clear gold - 3" beams)	A	404-48650	1/2"
4" Roller, bow	B	404-48651	1/2"
4" End Bell	C	404-48652	1/2"
3" Roller, bow	D	404-48653	1/2"
3" End Bell	E	404-48654	1/2"
End Caps (5/8"x3-1/2")	F	404-86198	5/8"
4" Roller Assembly w/end bells	G	404-86142	1/2"
3" Roller Assembly w/end bells	H	404-86143	1/2"
Wobble Roller Kit (5" ribbed)*	I	404-86144	
4" Keel Roller - spool type	J	404-86284	5/8"
5" Keel Roller (center guided)	K	404-86158	5/8"
5" Keel Roller - spool type	L	404-86283	5/8"
8" Keel Roller	M	404-86159	5/8"
10" Keel Roller	N	404-86169	5/8"
12" Keel Roller	O	404-86199	5/8"
V" Bow Stop - 3"	P	404-86285	1/2"

Includes 4 rollers, 7/8" and 1.15" bushings, hog ring and washers.

BLACK

ORDER NO.	Mfr. No.	No.	Description	Shaft Size
404-86402	86402	A	3" Roller, Bow	1/2"
404-86400	86400	B	4" Roller, Bow	1/2"
404-86406	86406	C	4" Keel Roller - spool type	5/8"
404-86407	86407	D	5" Keel Roller (center guided)	5/8"
404-86408	86408	E	5" Keel Roller - spool type	5/8"
404-86409	86409	F	8" Keel Roller	5/8"
404-86420	86420	G	"V" Bow Stop - 2"	3/8"
404-86413	86413	H	"V" Bow Stop - 3"	1/2"
404-86421	86421	I	"V" Bow Stop - 4"	1/2"
404-86475	86475	J	9" X 2" Side Guide Roller	1/2"

ROLLER SHAFTS

Colourful packaged pal nuts and roller shaft/pal nut combinations make for easier consumer purchases.
Roller shafts come with roller shaft and 2 pal nuts.

SIZE Zinc Plated	ORDER NO. Packed w/Pal Nuts	ORDER NO. Bulk*
1/2" x 4-1/4"	404-86024	N/A
1/2" x 5-1/4"	404-86025	N/A
1/2" x 6-1/4"	404-86026	N/A
5/8" x 5-1/4"	404-86027	404-86037
5/8" x 6-1/4"	404-86028	404-86038
5/8" x 9-1/4"	404-86029	005-58925
5/8" x 11-1/4"	404-86030	005-58115
5/8" x 13-1/4"	404-86031	005-58135
5/8" x 15-1/4"	404-86032	N/A

** Limited Quantity*

SIZE Galvanized	ORDER NO. Packed w/Pal Nuts
1/2" x 6-1/4"	404-86184
5/8" x 5-1/4"	404-86185
5/8" x 6-1/4"	404-86186
5/8" x 9-1/4"	404-86187
5/8" x 11-1/4"	404-86188
5/8" x 13-1/4"	404-86189

PAL NUTS - 4 PER PACKAGE

SIZE	ORDER NO.
1/2"	404-86305
5/8"	404-86310

WOBBLE ROLLER RINGS

Replacement washers and clip rings for wobble roller bunk wheels. Packed set for 1 roller.

ORDER NO.	Mfr. No.	Description
404-86258	86258	Hog Ring, Bulk 100 per box
404-86252	86252	Wobble Roller Retainer, w/washer

BOLSTER & SWIVEL BRACKETS

Bolster brackets are designed to support bolster or bunk boards. Slotted for vertical adjustment and feature non-slip dimples to avoid movement and increase load capacity.
(Sold 2 per pack). Slot size 1-1/16".

Bracket Length	Slot Length	ORDER NO.
8"	2-3/4"	404-81210
10"	3-3/4"	404-81215
12"	4-3/4"	404-81220

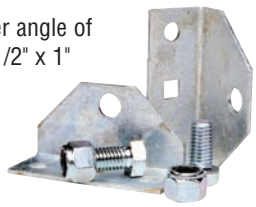
BUNK BRACKETS

Heavy duty hot dip galvanized 11 gauge steel brackets mount 2" bunks on edge. Slotted for vertical adjustment to standard or deep-V hulls. Packed in pairs.

Bracket Length	Slot Length	ORDER NO.
9-1/2"	6"	404-81225 (2-Pack)
12-5/8"	9-1/8"	404-81230 (2-Pack)

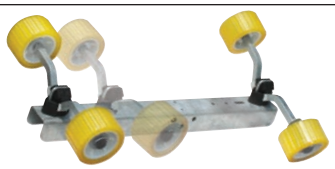
SWIVEL BRACKETS

Use with adjustable bolster brackets for proper angle of bunk or bolster boards. Packed in pairs with 1/2" x 1" bolts and 1/2" nyloc nuts or purchase in bulk.



2 per pack
ORDER NO. 404-86160

WOBBLE ROLLER BUNK ASSEMBLY



Heavy duty galvanized steel pivot bar provides full hull support. Wobble rollers are designed to pivot and adjust to a variety of hull shapes and sizes.
The 36" bar includes (2) wobble roller arms.
However, it can accommodate up to 4 arms.
Kit Includes:
(1) Bunk pivot bar, (2) Wobble roller assemblies. Mounting hardware

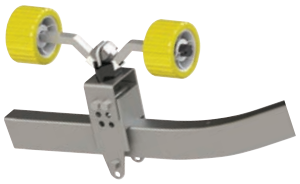
ORDER NO.	Mfr. No.	Description
404-86550	86550	Wobble Roller Bunk Assembly

WOBBLE ROLLER ASSEMBLY ADD-ON

Compatible with the Wobble Roller Bunk Assembly Kit (#86550- See Above) or as a replacement. Comes fully assembled.
Note: Mounting hardware to crossbar is not included.

ORDER NO.	Mfr. No.	Description
404-86551	86551	Wobble Roller Assembly **Add-On**

NEW!



WOBBLE ROLLER FRONT ASSEMBLY

The front assembly is designed to mount only 1 wobble roller wing set. The design features 2" of height adjust-ability & can fit onto either 3x3" or 3x4" cross-members. The assembly comes with wobble rollers & hardware.

ORDER NO.	Mfr. No.	Description
404-86574	86574	Wobble Roller Front Assembly

KASCO DE-ICERS

For over 35 years Kasco® De-icer water agitators have been designed to prevent the formation of damaging ice in marinas and harbours.

Affordable • Dependable • Efficient

Open design gives these units THE BEST flow rates.
The standard which others copy! 2 YEAR LIMITED WARRANTY

ROPE SUSPENSION

262-34000

262-44000

KASCO F3400/D025 3/4 HP, DE-ICER
60 Cycle, 120V De-icer with 25 ft. power cord and 20 ft. ropes for suspension.
3/4 hp 6.7 amps @ 120V with 34 pounds of thrust.Shipping weight 35 lbs.
ORDER NO. 262-34000 Mfr. No. F3400/D025

KASCO 4400/D025, 1HP DE-ICER
60 Cycle, 120V De-icer with 25 ft. power cord and 20 ft. ropes for suspension.
1 hp 11.2 amps @ 120V with 52 pounds of thrust. Shipping weight 40 lbs.
ORDER NO. 262-44000 Mfr. No. 4400/D025

DE-ICER/AREATOR ANODE - MAGNESIUM for Fresh Water
Protects de-icer from galvanic corrosion. Cadmium free. Enviro-friendly.
1/2" Shaft I.D., 0.80"D, 1.26"H
ORDER NO. 262-243465M Mfr. No. CMDEICERM

UNIVERSAL DOCK MOUNT
Kasco Marine offers an optional Universal Mount or Piling Mount that can be used with any Kasco De-Icer. This heavy duty Universal Dock Mount is made from thermal plastic composites, corrosion protected steel, and stainless steel to withstand the toughest marine conditions. The De-Icer is mounted to the "underwater parts" of the Universal Dock Mount and the "above water" parts are mounted to the dock or piling. Due to shipping limitations, a 1" pipe extension needs to be supplied by the purchaser to connect the "underwater parts" and "above water" parts. The De-Icer may be operated in a vertical or several different angled positions. The De-Icer may also be adjusted to a maximum depth of 10' from the above water mounting brackets and it may be moved 360°. This allows for a variety of operating positions and is able to fit and adapt to many different situations and conditions.
ORDER NO. 262-43485 Mfr. No. 24385

HORIZONTAL FLOTATION UNIT
Kasco offers an exclusive, arctic proven flotation kit. The easy-to-assemble kit consists of stainless steel components and a flotation block. The De-Icer unit is mounted at an angle just below the flotation block. Angle operation of De-Icer produces an elongated pattern of agitated water and is well-suited for shallow water operation. All models can be used with this float.
ORDER NO. 262-13001 Mfr. No. 213001

ADJUSTABLE PORTABLE THERMOSTAT CONTROLLER
Range is from 30º F to 110º F
- Rated 16 amps at 120 volt.
- Includes an 8 ft. power cord and piggyback plug.
- Just plug in the thermostat in an outlet and plug your De-icer in the plug. Set the thermostat to come on at 30º F

ORDER NO. 262-00010 Mfr. No. C-10

C-20 KASCO TIME AND TEMPERATURE CONTROL
Operate your Kasco De-icer with maximum energy saving. Shipping weight 3 lbs.
ORDER NO. 262-00020
Mfr. No. C-20

262-40175

263-40130

264-40405

F2400/D "K" PROPELLER
(Bagged) Shipping weight 1lb.
ORDER NO. 262-40175 Mfr. No. 240175 "K"

F3400/D "J" PROPELLER
(Bagged) Shipping weight 1lb.
ORDER NO. 263-40130 Mfr. No. 340130 "J"

4400/D "M" PROPELLER
(Bagged) Shipping weight 1lb.
ORDER NO 264-40405 Mfr. No. 440405 "M"

For more information see: www.de-icer.com www.kascomarine.com

balcan
ISO 9001

For more information see:
www.balcan.com

SHRINKWRAP UVI FILM/FLATSHEETING

- Canadian Made
- Manufactured from the best quality resins and 100% recyclable
- Can be used in the deepest colds of Canada or in the hottest climates of the Southern States

ORDER NO.	Size	Thickness	Colour
110-00147	14' x 125'	7 mil	Blue
110-00149	14' x 425'	7 mil	Blue
110-00177	17' x 100'	7 mil	Blue
110-00187-1	18' x 350'	7 mil	Blue
110-00207	20' x 85'	7 mil	Blue
110-00202	20' x 300'	7 mil	Blue
110-00262	26' x 80'	7 mil	Blue
110-00265	26' x 110'	7 mil	Blue
110-00322	32' x 70'	7 mil	Blue
110-00494	40' x 95'	7 mil	Blue
110-00148	14' x 125'	8 mil	Blue
110-00178	17' x 100'	8 mil	Blue
110-00188-1	18' x 350'	8 mil	Blue
110-00209	20' x 85'	8 mil	Blue
110-00202-1	20' x 300'	8 mil	Blue
110-00269	26' x 110'	8 mil	Blue
110-00289	28' x 228'	8 mil	Blue
110-00329	32' x 70'	8 mil	Blue
110-32188	32' x 180'	8 mil	Blue
110-00484	40' x 150'	8 mil	Blue

ORDER NO.	Size	Thickness	Colour
110-00144	14' x 125'	7 mil	White
110-00174	17' x 100'	7 mil	White
110-00187-2	18' x 350'	7 mil	White
110-00201	20' x 300'	7 mil	White
110-00204	20' x 85'	7 mil	White
110-00263	26' x 80'	7 mil	White
110-00264	26' x 110'	7 mil	White
110-00323	32' x 70'	7 mil	White
110-00495	40' x 95'	7 mil	White
110-00483	40' x 150'	7 mil	White
110-00208	20' x 85'	8 mil	White
110-00268	26' x 110'	8 mil	White
110-00288	28' x 228'	8 mil	White
110-00328	32' x 70'	8 mil	White
110-00327	32' x 180'	8 mil	White
110-00489	40' x 95'	8 mil	Whit
110-00485	40' x 150'	8 mil	White
110-00146	14' x 125'	7 mil	Clear
110-00206	20' x 100'	7 mil	Clear
110-00326	32' x 110'	7 mil	Clear

PREMIUM HEAT SHRINK TAPE - 180 FT LENGTH

Extra grade, heavy duty 9 mil adhesive heat shrink tape, waterproof, permanently tacky adhesive which bonds well to most surfaces over a wide range of temperatures. Ideal for taping patches over holes or (for boat side) - joining shrink film when additional length or width is required. Has the same shrink characteristic as the shrink film.

Note: Clear heat shrink tape has less UV filters.
Not recommended for taping access doors.

ORDER NO.	Size	Colour	Case Qty
110-00702	2"	Blue	24
110-00704	4"	Blue	12
110-00706	6"	Blue	8
110-00802	2"	White	24
110-00804	4"	White	12
110-00806	6"	White	8
110-00902	2"	Clear	24
110-00904	4"	Clear	12
110-00906	6"	Clear	8

9 mil

PRESERVATION HULL TAPE - 108 FT LENGTH

3″ wide by 108′ long preservation tape. 10-mil backed tape with UV inhibitors. Designed to not leave a residue, Dr. Shrink's Preservation Tape, also known as "Hull Tape," is a tough, conformable, waterproof tape with a strong adhesive that bonds well to most surfaces through a wide range of temperatures.

10 mil

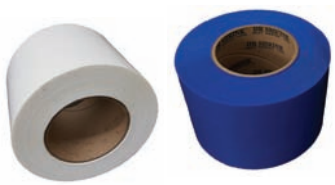
ORDER NO.	Size	Colour	Case Qty
110-93160	3"	White	16
110-93161	3"	Blue	16

HEAT SHRINK TAPE (SERRATED EDGE) - 180 FT LENGTH

9-mil backed tape with no UV inhibitors. Heat shrink tape is designed to tape seams, patch holes and secure zipper access doors.

9 mil

ORDER NO.	Size	Colour	Case Qty
110-20012-DS	2"	Blue	24
110-20013-DS	4"	Blue	12
110-20014-DS	6"	Blue	8
110-20009-DS	2"	White	24
110-20010-DS	4"	White	12
110-20011-DS	6"	White	8



Dr.Shrink+
INTERNATIONAL SHRINK WRAP SUPPLIER

For more information see:
www.dr-shrink.com

Dr.Shrink+
INTERNATIONAL SHRINK WRAP SUPPLIER

ANTI-CHAFE TAPE

Dr. Shrink's Anti-chafe tape is a high performance polyethylene film that provides a tough, puncture resistant material that prevents friction. This tape is designed as a low-tack film that will leave no residue, but will provide protection for your boat or other object. Simply apply it directly to the object where the shrinkwrap touches. The tape acts as a barrier between the object and the shrinkwrap, thus preventing any scratches or chafing. The black underside of the tape contains UV inhibitors to prevent the sun from getting to the adhesive.

ORDER NO.	Mfr. No.	Size	Colour
231-12600	DS-CHAFE126	12" x 600'	White
231-24600	DS-CHAFE24	24" x 600'	White

SHRINKWRAP HEAVY DUTY RACK

- Steel construction
- Black powder coated
- Can hold up to four 200 lb. rolls of shrinkwrap along with the heat tool, propane tank, strapping, & other accessories.
- The rack rolls on extra large casters with locks for ease of use

ORDER NO. 231-60001
Mfr. No. DS-HDRACK

SHRINKWRAP GOCART RACK

- Easy assembly – Easy takedown
- Lightweight & easy to maneuver
- 8" Lockable, rotating wheels make braking & handling a snap
- Sturdy enough for the largest of shrinkwrap

ORDER NO. 231-70001
Mfr. No. DS-GOCART

SHRINKWRAP FOOTAGE COUNTER

Precisely measures material pulled from the roll in feet/inches

- Counter has a stable mounting base, measuring wheel, and features a clear display window to easily view the measurement
- Attaches easily to most film carriers and carts
- Works on all film types and sizes
- Takes the guesswork out of determining material available on your rolls within 5% variance
- Can also be used to easily measure for precut sheets
- Weight: 3lbs.

ORDER NO. 231-90001
Mfr. No. DS-WRAPCOUNTER
For more information see: www.dr-shrink.com

SHRINKWRAP ECONOMY RACK

- Side rails are made of square 18" steel tubing
- Easy mounting on floor or the wall
- Center pole - 72" long piece of conduit
- Sturdy enough for the largest of shrinkwrap

ORDER NO. 231-50001
Mfr. No. DS-FILMRACK

SHRINKWRAP UTILITY CART

- Lightweight two-wheeled utility cart
- Holds the propane tank, heat tool, hose, strapping, tape, buckles, etc.
- Rolls easily on 8" wheels
- Will make you more efficient

ORDER NO. 231-08001
Mfr. No. DS-UTILITYCART

SHRINKWRAP DOLLY

- Heavy-duty, built of steel (blue)
- Holds up to four 200 lbs. rolls, along with heat tools, propane tank, strapping other supplies
- Heavy-duty 6" phenolic casters with locks for ease of use
- Includes a tow bar
- Increases efficiency & provides a safe working environment

ORDER NO. 758-00100 Mfr. No. SWD1

BROWNELL boatstands®

For more information see: www.boatstands.com

STRAP TENSIONING TOOL

ORDER NO. 110-00015
Mfr. No. DS-15

For more information see: www.dr-shrink.com

STRAP DISPENSER

Ideal tool to prevent knots, tangles, & twists in the strapping

- Durable & lightweight design
- Compatible with all our premium 1/2" & 3/4" strapping rolls
- Convenient carrying handle
- Low resistance spindle system

ORDER NO. 231-00170
Mfr. No. DS-STRAPDISP

CROSS WOVEN STRAPPING

Dr. Shrink

ORDER NO.	Mfr. No.	Size
110-01500	DS-50015	1/2" x 1500'
110-03900	DS-500	1/2" x 3900'
110-02100	DS-750	3/4" x 2100'

CROSS WOVEN STRAPPING

Pacific Strapping

ORDER NO.	Mfr. No.	Size
206-121500	DS-50015	1/2" x 1500'
206-123900	DS-500	1/2" x 3900'
206-342100	DS-750	3/4" x 2100'

TWISTED BLEND POLYPROPYLENE/POLYETHYLENE WINTERIZATION ROPE

- 3/16" x 2125'
- Bright Orange or Bright Red
- Tensile Strength - 900 lbs
- UV resistant
- Abrasion resistant
- Plastic Spool

ORDER NO. 708-462421
Mfr. No. 462421

For more information see: www.unicordcorp.com

STRAP PROTECTOR

Designed for two different applications:
1. As a method of keeping strapping from forming dents in vinyl upholstery on boats
2. Used as corner guards to keep shrink wrap and strapping from being cut on sharp edges

- Notches on all four sides for easy attachment to strapping
- Flexible, durable and inexpensive

ORDER NO. 110-04000-10
Mfr. No. DS-PROTECTOR
(10 per pack)

LIFTOFF

Use to separate shrink wrap from the product it is covering. Using strapping, buckles and a tension tool the Liftoff offers simple protection. The benefit of this separation is to promote air circulation and surface protection on painted hulls. Air circulation is extremely important on painted hulls where shrink wrap touching paint can cause blistering.

- Easily installed
- Reuseable
- Durable

ORDER NO. 231-00160
Mfr. No. DS-LIFTOFF-10 **(10 per pack)**

PLASTIC TRIM KNIFE

Throw-away, designed for rapid trimming of excess material

ORDER NO. 110-00006
Mfr. No. DS-007D

WRAP N STRAP KNIFE

For cutting both shrinkwrap & strapping

ORDER NO. 110-00008
Mfr. No. DS-008

FILM CUTTING KNIFE

- Hook style knive with enclosed replacement blades
- Sharper hook for puncturing wrap
- Knive splits in half so the single edge blades may be easily changed

Film Cutting Knife
ORDER NO. 231-00070 Mfr. No. DS-007
Replacement Blades (10 Pk.)
ORDER NO. 231-00071 Mfr. No. DS-007R

METAL BUCKLES

ORDER NO.	Mfr. No.	Size
110-00050	DS-050	1/2"
110-00075	DS-075	3/4"

For strapping.
Self-locking, 1/2" & 3/4" metal buckles.
100 buckles per case.

METAL BUCKLES

ORDER NO.	Mfr. No.	Size
206-12100	B-4-100	1/2"
206-34100	B-6-100	3/4"

For strapping.
Self-locking, 1/2" & 3/4" metal buckles.
100 buckles per case.

SAFETY GLOVES

- Long cuff
- Non-flammable
- Designed to use with heat gun

NEW!

ORDER NO. 110-00009
Mfr. No. DS-009

SHRINKWRAP VENTS

Dr.Shrink+
INTERNATIONAL SHRINK WRAP SUPPLIER

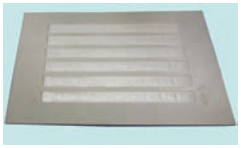
STICK-ON VENTS

Easy to install, self adhesive vents, allow your boat to breathe while giving the finished job a professional look. Don't give mildew a chance to start.

ORDER NO.	Mfr. No.	Description
110-00488	DS-062A	Round Airlette vent (Each)
110-00788	DS-LOUVER	Round louver vent (Each)
110-47550	PAB-475A	Rectangular screen vent (Each)

110-00488

110-47550



110-00788

WEATHER-TIGHT VENT

Allows more air circulation under shrink wrap covers and is water resistant when installed horizontally or vertically.

- Easy installation using the one-piece pull tab that exposes over 15 square inches of adhesive
- Permanent attachment using optional clips
- UV additives for long life in all climates

ORDER NO.
110-00688 Mfr. No. DS-683 (Each)

WEATHER-TIGHT FILTER VENT

- Uses a filter pad inside the vent top to keep dust, bugs, dirt & other debris out of shrink wrapped products
- Identical to the standard DS-683 Weather-Tight Vent, the DS-683F Filter Vent is easy to install, inexpensive, versatile, has a replacement filter, and works in any climate
- Complete with the filter vent pre-installed

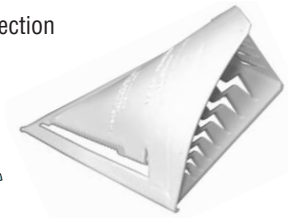
ORDER NO.
110-00688-1 Mfr. No. DS-683F (Each)

LIGHTNING VENT

- Provides airflow under shrink wrap to keep covered products moisture free
- Improves upon a tested vent design
- Large hood over vent opening for better weather protection
- Easy one-hand installation with self-piercing design
- Works for both storage & transportation covers
- Inexpensive protection

Secure with tape after piercing.

ORDER NO. 231-11460 (Each)
Mfr. No. DS-LIGHTNING



POLYFOAM VENT

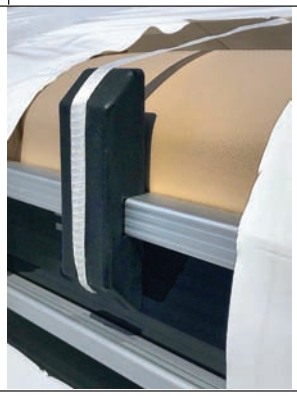
Polyfoam Vent. 19" x 3" x 2" Thick.
Don't give mildew a chance to start.
ORDER NO. 110-00486 (Each)

For more information see: www.dr-shrink.com

SEAT SAVER

- Protects vinyl seat backs from being indented by support structure strapping
- Fits on all 1.25" square tubing top rails on pontoon boats
- Prevents damage to seat backs from strapping abrasion and heat damage by lifting shrink wrap off the seat backs during the shrinking process
- Provides either a 2" or 4" lift of the strapping over the vinyl seat backs. This product is reversible with strapping receivers at both ends of the product

ORDER NO. 231-11477
Mfr. No. DS-SEATSAVER (Each)



Taylor Made

BOAT VENT II

Don't let your interior suffer from mold and mildew damage. Proper ventilation can keep these boat destroying fungi from attacking your boat! The patented Boat Vent II installs quickly and easily, with no screws or fasteners. The venting area provides for greater volume of exhaust air while closing the top to bottom gap - keeping water out! The Boat Vent II is manufactured from a superior grade poly carbonate blend material for strength and UV resistance and will accommodate either 3/4" or 7/8" support poles. Sold Individually.

ORDER NO. 101-11982 Mfr. No. 11982

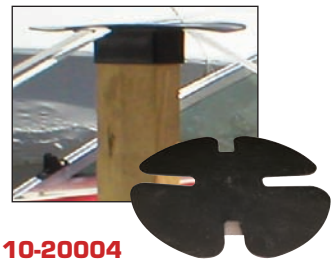
For more information see: www.taylormadeproducts.com

Dr.Shrink+
INTERNATIONAL SHRINK WRAP SUPPLIER

END CAPS & BOTTOM CAPS

End cap & bottom caps are designed to fit on the top & bottom of 2x4 boards commonly used as support poles under shrinkwrap covers.
BOTTOM CAPS have been redesigned into a smaller, more skid proof version with flexible plastic to be easily installed on a 2x4 support post. This upgraded quality of material offers less scratching on boat decks and better stability by reducing movement of the support post on the boat deck.

"Top Cap" End Cap Pad



ORDER NO. 110-20004
Mfr. No. DS-CAP

Non - Skid "Bottom Caps" New Style

ORDER NO. 231-23116-1
Mfr. No. DS-BCAP-NEW STYLE

SUPER CAP

The Super Cap is designed to transfer the weight of snow, ice and rain from the top of 2" x 4" support poles used under shrink wrap storage covers. Rests on the woven cord strapping which runs both lengthwise and crosswise on boats thereby helping to minimize support poles from poking through the shrink wrap storage covers.
Super Caps can easily be attached to wooden uprights with either a nail or staples.

- Domed shaped
- Dimensions: (20" x 20" x 6")

ORDER NO. 231-30004
Mfr. No. DS-SUPERCAP

RHINO CAP

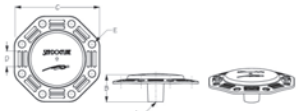
- The Rhino Cap is designed to keep support poles from poking through shrink wrap on storage covers
- Improves upon our tested and proven End Cap design by adding additional support and rigidity
- 100% stronger than existing End Cap design with 20% more surface area

ORDER NO. 231-11453
Mfr. No. DS-RCAP

SEA-DOG LINE
QUALITY MARINE GEAR

BOAT HOOK MOORING COVER SUPPORT CROWN

Injected Molded Nylon



ORDER NO.	Mfr. No.	A	B	C	D	E
424-91110	491110-1	7/8" (Tapered)	2"	6-1/2"	1"	1/2"

An injection–molded nylon crown that fits the tip of an adjustable boat hook or any universal/Acme thread that is used to support a mooring cover or canvas. The unique design has strap or line attachment details allowing the ability to secure the support crown in the correct location eliminating problems caused by water pooling pressures from rain, sleet or snow. Combine any of Sea-Dogs Boat hook with the support crown # 491110-1 and mooring cover support crown straps # 491115-1 for the perfect solution to nature's pooling pressures.

ACCESS DOORS with ZIPPERS

Zipper Access Doors are taped on the finished cover to allow access into a shrink wrapped object without compromising the durability of the cover. Have a continuous heavy duty zipper sewn into a "U" shape. Use a film knife to cut the inside of the opening for access into the shrink wrapped object.
Dimensions of the plastic perimeter, not the size of the opening.

- Reusable
- Waterproof
- Easily installed, taped on
- Does not shrink, no heat necessary
- Double pull zippers
- Open access doors from exterior or interior of vessel or object

White Blue

Access Doors w/ 1 Zipper

ORDER NO.	Colour	
Size: 30"W x 36"L - 1 Zipper		
110-00777-2	Clear,	(2 per pack)
110-00778-2	Blue,	(2 per pack)
110-00779-2	White,	(2 per pack)
Size: 36"W x 48"L - 1 Zipper		
110-36481-2	Clear,	(2 per pack)
110-36488-2	Blue,	(2 per pack)
110-36489-2	White,	(2 per pack)

Dr.Shrink+
INTERNATIONAL SHRINK WRAP SUPPLIER

2 Zipper

Access Doors w/ 2 Zippers

Note: 2 zippers allow for easier access

ORDER NO.	Colour	
Size: 36"W x 72"L - 2 Zipper		
110-00782-1	Clear,	(1 per pack)
110-00781-1	Blue,	(1 per pack)
110-00780-1	White,	(1 per pack)
Size: 36"W x 48"L - 2 Zipper		
110-36482-2	Clear,	(2 per pack)
110-36489-4	White,	(2 per pack)

DR. SHRINK "WRAP IT UP" CD

A professionally produced step-by-step guide to shrinkwrapping a boat and machinery. It logically and safely guides the wrapper through installation of a support structure, putting on the wrap, heating, venting and repairing holes.
Note: This Training CD is included with Heat Tool Kit DS-789/231-07890. *(See Page 1318)*

ORDER NO. 231-00150 Mfr. No. DS-00015CD

For more information see: www.dr-shrink.com

SHRINKWRAP GUNS & ACCESSORIES

Dr.Shrink+
INTERNATIONAL SHRINK WRAP SUPPLIER

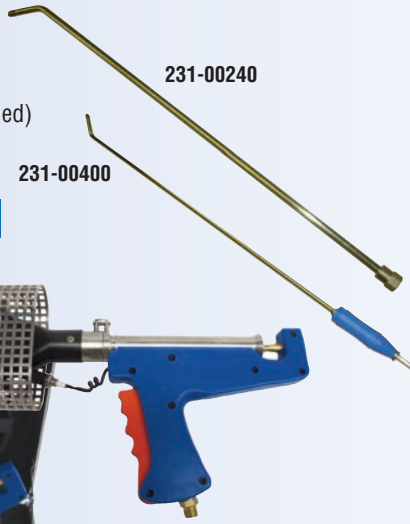
HEAT TOOL KIT

Dr. Shrink's DS-789 Heat Tool Kit is a lightweight (2.1 pound), durable and powerful propane fuelled heating unit. It puts out 300,000 BTU'S at maximum power, but is variable from 10,000 BTU'S upward through use of the trigger.

Our standard DS-789 kit includes:
- 25' hose, adjustable regulator
- 4" & 18' extensions and a training video.

It has a piezo-electric igniter for ease of lighting.
The fuel source is a standard 20 pound propane tank (Not included)

ORDER NO.	Mfr. No.	Description
231-07890	DS-789	Heat Tool Kit
	Accessories	
231-00240	DS-24 EX	24" Extension for DS-789
231-07892	DS-7892	Head and Ignition Assembly



RAPIDSHRINK 100

Good for at home "Do-It-Yourselfers"
- Lightweight (Gun 5 lbs. – Kit 9 lbs.)
- Economical
- 100,000 BTUs

Kit Includes:
25' propane hose, regulator, training DVD, carrying case, safety gloves and safety glasses.

ORDER NO.	Mfr. No.	Description
231-07000	DS-RS100	RapidShrink 100 Heat Tool Kit
231-07003	DS-RS70-EXT	3' Extension* for RapidShrink 100

**Extension only, nozzle not included*

For more information see: www.dr-shrink.com

SHRINKWRAP HEAT GUN REPLACEMENT PARTS

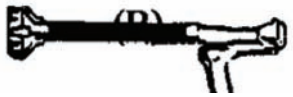
RIPACK HEAT GUN REPLACEMENT PARTS

RIPACK 920.....(A)
RIPACK 920 EX.....(B)
RIPACK 2000.....(C)

RIPACK 2000

RIPACK 920

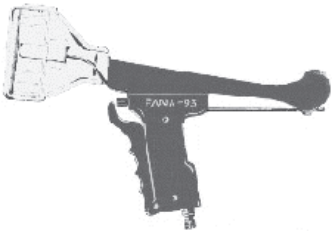
RIPACK 920 EX



ORDER NO.	Description	Code
110-13103	Piezo Igniter	A/B/C
110-23635	Ignition Wire (#2000)	C
110-25023	Hose (8mm x 26')	A/B/C
110-14843	Hose Conn. (Swivel)	A/B/C
111-34046	Pressure Valve - Adj.	A/B/C
111-40061	O-Ring / Nozzle	C
111-52001	Screw CM 3x4	A/B

SERVICE PARTS FOR FANA-93

Colour: Blue
Made from 1993 to present



ORDER NO.	Description
110-13103	Piezo Igniter
110-09330	Hose Assembly 25'
110-09333	Hose Quick Disconn.
110-09334	Hose Connector
110-09329	Adj. Press Regulator

SERVICE PARTS FOR FANA-85

Colour: Blue
Made from 1985 - 1992 (Discontinued)

ORDER NO.	Description
110-10000	Piezo Igniter / Red Button
110-10001	Piezo Igniter / Black Button

Dr.Shrink
INTERNATIONAL SHRINK WRAP SUPPLIER

SHRINKFAST 998 HEAT GUN

Engineered for the Perfect Shrink Experience

Shrink Fast Improvements:

- Wide even heat pattern - Up to 18" in a single pass
- Adjustable power - 134,000 BTU/HR (39KW) @ 15 PSI to 212,000 BTU/HR (62KW) @ 30 PSI
- Adjustable combustor orientation by depressing a single button
- Quick disconnect combustor for extension use • 1 year factory warranty

Operator Improvement Features:

- Lightweight - 2 lbs, 2oz • Ergonomic design for extension use
- Perfectly balanced for operator comfort • Cool combustor for operator safety
- Extremely Durable.

ORDER NO. 110-99800
Mfr. No. DSSHFAST998

Kit contains propane operated cold nozzle heat gun, with 20' hose & adjustable regulator. Comes with a metal carrying case.

SHRINKFAST 998 REBUILD KIT

Kit contains:

- 1 #2 O-Ring
- 2 #6 O-Ring
- 2 Retainers,
- 1 Left Housing
- 1 Right Housing
- 1 Trigger Igniter
- 1 Safety
- 10 Assembly screws
- 1 Button,
- 2 #33 O-Rings
- 1 Combustor w/Screen

Restore & Refurbish your guns.

ORDER NO. 998-51000
Mfr. No. DS998RB

ACCESSORIES FOR SHRINKFAST 998 HEAT GUN

NOTE:
- New Integrated Extension System
- Quick Push Button Disconnect System
- All Inter-connecting components are Internal & Protected from the External Environment
- Optional Arm Assist clip! • One hand

ORDER NO.	Mfr. No.	Description
110-99802*	DS-SHFAST998-2	2' Extension
110-99804*	DS-SHFAST998-4	4' Extension
110-99806*	DS-SHFAST998-6	6' Extension
110-99807	DS-SHFAST998-ARMCLIP	

**Extension only, nozzle not included*

110-99807

For more information see: www.dr-shrink.com

SERVICE PARTS FOR SHRINKFAST 998 HEAT GUN

ORDER NO.	Mfr. No.	Description
998-05000	DS9985N	Orifice
998-17180	DS9981718	Trigger-Igniter
998-22000	DS99822	Valve Assembly
998-28000	DS99828	Spark Plug
998-29000	DS99829	Assy. Screw
998-30000-A	DS99830A	Combustor
998-31000	DS99831	Button
998-32000	DS99832	Flameholder
998-35000	DS99835	Button Spring
998-36000	DS99836	Hose Assy. 20'
998-37000	DS99837	Regulator Assy.
998-38000	DS-SHFAST998BELTCLIP	Belt Clip.
998-39000	DS-QDISC	Quick Disconnect

RIPACK SERIES 3000 HEAT GUN WITH CARRYING CASE

Case includes 1 RIPACK 3000 including (1) 360˚ rotating connector, & (2) piezo igniters, (1) Securipack - combined fail-safe regulator, (1) 8 meter (26 ft.) hose protected from abrasion, provided with mounting connectors, (1) instruction manual.

- Patented cold nozzle system, gun remains cold during use.

ORDER NO. 856-30000
Mfr. No. RIP 3000

RIPACK®

2-PIECE EXTENSIONS FOR RIPACK 3000 & 2200 HEAT GUN

The new 2-piece modular quick fit extensions snap on or off with no tools required and can be used individually or together to obtain different reach lengths with either a straight or angled nozzle

ORDER NO. 856-22049
Mfr. No. RIPCOMBO49
2-Piece 4 ft. 9" Extension Assembly

ORDER NO. 856-22068
Mfr. No. RIPCOMBO68
2-Piece 6 ft. 8" Extension Assembly

RIPACK 2200 ORDER NO.	RIPACK 3000 ORDER NO.	Description
110-14843	110-14843	Swivel Connector, Hose
110-25023	110-25023	Hose Hose 7.5 M UL with Collars & Connectors
111-31072	111-31072	Piezo Igniter
111-34046	111-34046	Adjustable Pressure Regulator
111-40061	111-40061	Nozzle O-Ring
111-52001		Screw CM 3x4
111-52136		Screw (S/N 09.197869 & up)
112-32062	112-32062	Spark Plug
112-33258		Complete Ignition Wire
112-33385		Ignition Wire (S/N 09.197869 & up)
112-43044		Complete Neck Casing
112-43056		Complete Neck Casing (S/N 09.197869 & up

SERVICE PARTS FOR RIPACK 2200 / 3000 HEAT GUNS

WINTER SAFE -46˚C (50˚F) RV ANTIFREEZE - NON-TOXIC PG

- Wintersafe -50°F (-46°C) Non-Toxic Antifreeze will provide burst protection to -50°F (-46°C) & freeze protection within a range of +14°F to +18°F (-10°C to -8°C)
- Protects water systems & engines from freeze ups during storage
- Its premium additive package prevents corrosion of aluminum, copper, brass and solder, but will not harm rubber, seals or hose materials
- The 3X-dyed pink color provides excellent blow-through visibility
- Formulated with virgin, non-toxic USP-grade ingredients
- Non-toxic virgin propylene glycol formula, no alcohols
- This product is ready-to-use; do not dilute it
- When testing with a refractometer or with a hydrometer designed for use with PG, freeze point readings on the PG scale will range from +14°F to +18°F

ORDER NO.	Mfr. No.	Size
408-31200-6	31200C	3.78 Litre Bottle/**Case of 6**
408-31255	312G55C	208 Litre/**Drum**
408-312275	3122775C	1040 Litre/**Tote**

Ethanol Free Formula

NON-TOXIC PREMIUM ANTIFREEZE -73°C (-100°F)

- -100°F (-73°C) Non-Toxic Antifreeze will provide burst protection to -100°F (-73°C) and freeze protection within a range of -58°F to -63°F (-50°C to -52°C). When testing with a refractometer designed for use with propylene glycol, freeze point readings on the PG scale will range from -47°F to -50°F
- Use in boats, RVs, vacation homes, pools
- Protects water systems & engines from freeze ups during storage
- Its premium additive package prevents corrosion of aluminum, copper, brass and solder, but will not harm rubber, seals or hose materials
- The 3X-dyed blue-green color provides excellent blow-through visibility
- Formulated with virgin, non-toxic USP-grade ingredients. It contains no alcohols
- This product is ready-to-use or may be diluted – please follow label directions for dilution ratios

ORDER NO.	Mfr. No.	Size
408-31500-6	31500C	3.78 Litre Bottle/**Case of 6**
408-31555	315G55C	208 Litre/**Drum**
408-315275	315275	1040 Litre/**Tote**

Ethanol Free Formula

NON-TOXIC PREMIUM ANTIFREEZE - PG -129°C (-200°F)

- Star brite® -200°F (-129°C) Non-Toxic Antifreeze provides the ultimate in extreme cold weather and corrosion protection for drinking water systems and all engines.
- Its premium additive package prevents corrosion of aluminum, copper, brass and solder, but will not harm rubber, seals or hose materials
- The 3X-dyed blue color provides excellent blow-through visibility
- Non-toxic virgin propylene glycol formula
- It contains no alcohols
- This product is ready-to-use or may be diluted – please follow label directions for dilution ratios.
- -100°F (-73°C) Non-Toxic Antifreeze will provide burst protection to -200°F (-129°C) and freeze protection within a range of -98°F to -103°F (-72°C to -75°C)
- Note: Most PG refractometers and/or hydrometers will not provide freeze point readings below -70˚F

ORDER NO.	Mfr. No.	Size
408-31655	316G55	208 Litre/**Drum**
408-316275	316275	1040 Litre/**Tote**

NEW!

Ethanol Free Formula

SOLD BY DRUM/TOTE ONLY

BIO SAFE PG ANTIFREEZE & COOLANT ALL YEAR

- Non-toxic year-around virgin propylene glycol Anti-freeze
- Non-toxic formula provides superior year-round protection for all engines
- Protects engines from freeze up and boil over while providing excellent corrosion protection
- Biodegrades quickly in the environment and is easily broken down by sewer treatment systems
- Meets ASTM D-5216 and ASTM D-4985 Performance Standards.
- Formulated for running engines
- Contains Bitrex®

ORDER NO.	Mfr. No.	Size
408-31701	31700C	3.78 Litre Bottle
408-31755	317G55	208 Litre Drum

EXTENDED-LIFE 300,000 MILE ANTIFREEZE/COOLANT - 50/50 READY-TO-USE

- Ethylene glycol base
- Ideal for all gas & diesel water-cooled engines
- Compatible with all antifreezes including orange Dex-Cool™
- Lasts for 5 years, 300,000 miles or 6,000 hours
- Protects all engine metals, provides
- Reduces formation of abrasive solids to help extend water pump life
- Orange in color
- Contains Bitrex®

ORDER NO. 408-30800
Mfr. No. 030800C

For more information see:
www.starbrite.com

DO-IT-YOURSELF MARINE WINTERIZING KIT/ MARINE ENGINE DESCALING KIT

For Winterizing Kit Use:

- Quickly and easily adds winterizing anti-freeze to inboard and outboard engines
- All you need is a garden hose, ear muffs or flusher attachment and Star brite Anti-Freeze
- Winterize your boat right on the trailer

For Descaling Kit Use:

- Quickly and easily descales inboard and outboard engine cooling systems
- Removes scale and other debris growth to keep your engine running cool

ORDER NO. 408-35001
Mfr. No. 35001C

For more information see: www.starbrite.com

FLUSH PRO™ MARINE ENGINE FLUSHING & WINTERIZING VALVE

- Flush your boat engine safely and easily
- Transparent body allows for visual inspection of water flow
- Durable check valve system activated by water pressure from a garden hose
- Check valve automatically shuts off hull intake when water pressure is applied
- Adapter supplied with Flush Pro™ makes winterizing your boat easy
- Can be used with onboard generators
- Safety Seal Design prevents water intrusion
- Clear polymer
- Stainless steel spring

ORDER NO.	Mfr. No.	For Hose Size
621-04560	0456DP4	5/8"
621-04566	0456DP6	1"
621-04567	0456DP7	1-1/4"

For more information see: www.perko.com

CLEANING & DEGREASING SPRAYER

Specially designed for acidic cleaners. This sprayer makes even the toughest cleaning jobs easy. This sprayer is equipped with highest grade VITON seals and gaskets for maximum chemical resistance.

- Built-in relief valve/pressure gauge for added safety
- The container and discharge assembly have no fiberglass additives, only pure virgin grade material which stands up to acidic cleaners
- Lock-off mechanism to prevent accidental discharge
- Adjustable poly cone nozzle sprays coarse stream to fine mist
- Servicable pumps

MODEL # 2236XP Specifications
Useable capacity: 3.0 US Gal. / 11.4L
Tank: Poly
Hose: 42" / 1.06 m.
Pump: 9" / 225 mm Poly
Extension: 8" / 455 mm Poly

For more information see: www.chapinmfg.com

ORDER NO.	Description
343-10360	Sprayer
	Replacement Parts
343-65368	Repair Kit For Newer Model #2236XP
343-61945	Repair Kit For Older Model #2236
343-66003	Cone Nozzle
343-67749	18" Extension
343-64638	Shut-off

CAMCO

DO-IT-YOURSELF MARINE WINTERIZING KIT

- Quickly and efficiently service inboard/outboard marine engines
- Allows flushing & preparation of boat engine for winter storage with just 5 gallons of antifreeze and your flusher
- Save time and money season after season

ORDER NO.	Mfr. No.
668-65501	65501

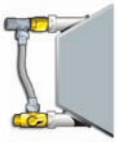
SEASONAL BY-PASS KIT

This temporary by-pass kit allows you to hook up for winterizing and remove in the spring for reconnecting the system.

ORDER NO.	Mfr. No.
668-35713	35713

QUICK-TURN PERMANENT BY-PASS KIT

Save on antifreeze when you winterize with this easily-installed water heater by-pass kit. Sturdy, brass backflow preventer and 100% shut-off valve lets you bypass the water heater with a single turn.



ORDER NO.	Mfr. No.
668-35983	35983

HAND PUMP KIT

Pump antifreeze directly into your fresh waterlines and supply tanks. Kit comes with flexible connecting line and city water connection.

ORDER NO.	Mfr. No.
668-36003	36003

For more information see: www.camco.net

BLOW-OUT PLUGS

Completely clear your water lines with marine blow-out plugs. Screw the plug into the city water inlet, open drains and faucets, attach and activate air pump until all lines are clear.

ORDER NO.	Mfr. No.	Description
668-36103	36103	Plastic
668-36153	36153	Brass

FASTENERS & ACCESSORIES
HANDI-MAN MARINE
KEEPING REPAIRS AT BAY

OIL DRAIN PLUG, GASKETS & O-RING TABLE TOP DISPLAY

This display contains an array of oil drain plugs, gaskets and O-rings for **Mercury, OMC, Volvo, Yamaha, Nissan and Suzuki Models**.

- 19 items that include 5 clamshells of each part number, 10 clamshells of 02802 (#750-02802)

ORDER NO.	Mfr. No.
980-02800	980028

REFILL ORDER NO.	Mfr. No.	Description	Qty/Bag
		5 Each of 20 Items	
750-02801	02801	Drain Plug - Mercury Lower Unit	1
750-02802	02802	Plug Gasket - Mercury Lower Unit	5
750-02802	02802	Plug Gasket - Mercury Lower Unit	5
750-02804	02804	Magnetic Drain Plug - Mercury Lower Unit	1
750-02805	02805	O-Ring - Mercury Lower Unit	5
750-02807	02807	Drain/Fill Plug & Gasket - OMC Lower Unit	1
750-02808	02808	O-Ring - OMC Lower Unit	5
750-02809	02809	Drain Plug - OMC Cobra Drives	1
750-02810	02810	Plug Gasket - OMC Lower Unit	5
750-02813	02813	Magnetic Drain Plug - Volvo Lower Unit	2
750-02814	02814	O-Ring - Volvo Lower Unit	5
750-02815	02815	Drain Plug & Gasket - Volvo Lower Unit	1
750-02816	02816	Plug Gasket - Volvo Lower Unit	5
750-02818	02818	Drain Plug & Gasket - Suzuki Lower Unit	1
750-02819	02819	Plug Gasket - Suzuki Lower Unit	5
750-02820	02820	Drain Plug - Oil Sight Plug Lower Unit	2
750-02821	02821	Drain Plug - Nissan Lower Unit	2
750-02822	02822	Magnetic Drain Plug - Yamaha Lower Unit	2
750-02823	02823	Plug Gasket - Yamaha Lower Unit	5
750-02824	02824	Drain Plug & Gasket - Yamaha Lower Unit	1

For more information see: www.handimanmarine.com

STAR* TRON® COUNTER TOP DISPLAYS

Contains: **6** x 409-30081 8 fl. oz. Gas Additive
ORDER NO. 409-36150 Mfr. No. 093615C

Contains: **18** x 409-30081 8 fl. oz. Gas Additive
6 x 409-31081 8 fl. oz. Diesel Additive
ORDER NO. 409-36240 Mfr. No. 093624C

Contains: **24** x 409-30081 8 fl. oz. Gas Additive
ORDER NO. 409-36250 Mfr. No. 093625C

Contains: **24** x 409-31081 8 fl. oz. Diesel Additive
ORDER NO. 409-36260 Mfr. No. 093626C

STAR* TRON® DISPLAYS

Contains: **18** x 409-30081 8 fl. oz. Gas Additive
8 x 409-30161 16 fl. oz. Gas Additive
6 x 409-31081 8 fl. oz. Diesel Additive
4 x 409-31161 16 fl. oz. Diesel Additive
ORDER NO. 409-36360 Mfr. No. 093636C

Contains: **24** x 409-30081 8 fl. oz. Gas Additive
12 x 409-30161 16 fl. oz. Gas Additive
ORDER NO. 409-36370 Mfr. No. 093637C

Contains: **24** x 409-31081 8 fl. oz. Diesel Additive
12 x 409-31161 16 fl. oz. Diesel Additive
ORDER NO. 409-36380 Mfr. No. 093638C

STAR*TRON DISPLAYS

409-36150

409-36360

STAR TRON® 3-TIER DISPLAY GAS ONLY

Contains:
24 409-30081 Star Tron® Gas Additive, 8 fl. oz.
12 409-30161 Star Tron® Gas Additive, 16 fl. oz
12 409-30321 Star Tron® Gas Additive, 32 fl. oz
ORDER NO. 409-36400
Mfr. No. 093640C

409-36400

FOGGING OIL

- Prevents corrosion when storing inboard or outboard engines for an extended period of time
- Special formula makes starting engine after storage quick and easy.

ORDER NO. 408-48121 /ea.
12 fl.oz / 340 gram Aerosol

For more information see: www.starbrite.com

STAR TRON® DIESEL ADDITIVE

- Makes all engines start more easily, run more smoothly
- Eliminates and prevents gum, varnish and carbon deposits
- Stabilizes fuel for up to 2 years; ideal for use in seasonally stored equipment
- Works in all engines & all fuel

ORDER NO.	Mfr. No.	Size	Treats up to
409-31081	93108C	8 fl. oz. (each)	256 gallons of diesel
409-31161	93116C	16 fl. oz. (each)	512 gallons of diesel
409-31321	93132C	32 fl. oz. (each)	1024 gallons of diesel

EZ-TO-STORE EZ-TO-START GAS STABILIZER

- For inboard and outboard gasoline engines
- Protects gas and engine components during storage
- Prevents corrosion of fuel tank and fuel delivery system
- One product does it all - stabilizes and fogs in one step
- **Concentrated formula - 1 fl. oz. treats 5 gallons**

ORDER NO.	Mfr. No.	Size
408-43081	84308C	8 fl. oz. (each)
408-43161	84316C	16 fl. oz. (each)
408-43321	84332C	32 fl. oz. (each)

STAR TRON® GASOLINE ADDITIVE

- Makes all engine start more easily, run more smoothly
- Prevents fuel oxidation and stabilizes fuel chemistry for at least 1 year
- Eliminates carbon build-up in fuel delivery system and on exhaust components
- Increases fuel economy
- Lowers fuel system maintenance
- Eliminates and prevents ethanol fuel problems

ORDER NO.	Mfr. No.	Size	Treats up to
409-30081	93008PC	8 fl. oz. (each)	128 gallons of gas
409-30161	93016C	16 fl. oz. (each)	256 gallons of gas
409-30321	93032C	32 fl. oz. (each)	512 gallons of gas

STAR TRON® SHOOTERS

"Cures & Prevents" problems caused by all blends of ethanol fuel (E5, E10, E15+). The compact bottles are sized to fit in tools boxes, tackle bags, saddle bags or gloves compartments.

- Helps prevent phase separation; improves performance
- Ideal for outboards, snowmobiles, ATV's, generators, motorcycles and all gas-powered equipment
- Works on all engines and all fuels
- 1 fl. oz bottle treats up to 6 gallons

ORDER NO.	Mfr. No.	Size
409-14301	14301C	1 fl. oz. (2 Pack)
409-14324	14324C	1 fl. oz. (24/ Display)

STAR TRON® VERTICAL SHOOTER DISPENSER

Small Engine Formula

- Holds (12) (14311C) Star Tron® 1 fl. oz. shooters
- 1 fl. oz. (30 ml) treats 6 gallons (23 litres) of fuel
- An ideal way for first-time users to experience Star Tron®

Mfr. No. 14312C

ORDER NO. 409-14312

For more information see: www.starbrite.com

FUEL ADDITIVES

FOGGING OIL

- Foaming and strong clinging action ensures thorough coverage
- Displaces and prevents moisture contact with metal
- Extra lubrication and corrosion inhibitors for longer term protection
- Faster stalling and less smoking
- Greater resistance to "drying out" for a surer, easier restart

ORDER NO.	Description
706-02721	340 gr. Aerosol / ea.
706-02751	4 Litre / ea.
706-02760	20 litre Pail

FUEL STABILIZER ETHANOL (E10) FORMULA

Ideal for all 2 & 4 Cycle Engines

- Protects against fuel deposit formation
- Absorbs moisture to prevent corrosion
- Concentrated long lasting marine formulation
- Also suitable for snowmobiles & recreation vehicles
- **Treatment: 1/2 fluid oz. to 1 gallon (4 Litres) of fuel**

ORDER NO.	Description
706-03031	473 ml. / ea.
706-03041	4 Litre / ea.
706-03050	20 litre Pail

DG

MARINE DIESEL FUEL TREATMENT

- Fuel stabilization
- Helps to keep diesel fuel clear and bright
- Cleans entire fuel system including tank, fuel lines, fuel pump, injector pump
- Inhibited bacterial growth
- Detergent inhibiting sludge formation
- Increased cetane level for efficient combustion, easier starting and smooth operation
- **Treatment: 1 fluid oz. to 10 gallons of fuel**

ORDER NO.	Mfr. No.	Size
706-03201	320	535 ml (18 oz.)

ETHANOL FUEL TREATMENT

Ideal for all 2 & 4 Cycle Engines

- Compensates for ethynol enriched gasoline
- Ideal for all ethanol blends: E5, E10, E15 +
- Cleans fuel systems - Treats absorbed moisture in fuel
- Removes carbon buildup - Stabilizes fuel chemistry
- Reduces emissions - Increases power & fuel economy
- Compatible with all fuel treatments
- **Treatment: 1 fluid oz. to 60 litres of gasoline**

Treats up to 1,080 litres of fuel

ORDER NO.	Description
706-03151	535 ml

For more information see: www.captainphab.com

EGUARD ETHANOL TREATMENT

- Stabilizes E10 gasoline for up to 12 months.
- Prevents fuel system corrosion from water attracted by E10 fuels.
- Cleans fuel system and improves performance.
- Contains a non-alcohol water remover that helps to reduce the chance of phase separation.
- Bottled in easy to use precision measuring package.
- Safe for use in all gasoline powered engines including generators and outdoor power equipment.
- Safe for use in both 2-cycle and 4-cycle engines.
- Prevents gum and varnish formation for optimum performance and quick starts.

ORDER NO.	Mfr. No.	Sta-Bil Marine No.	Description
018-97750	18-9775	22239	8 oz (237ml)
018-97760	18-9776	22240	1 Quart (946ml)
018-97770	18-9777	-	1 Gallon

018-97750

018-97760

DG **Subject to Dangerous Goods Fee**

For more information see: www.catalog.sierraparts.com

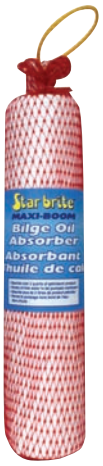
Star brite

OIL-ABSORBENT BOOMS

The same type of oil absorbent material used to clean up major oil spills

- Absorbs oil in the bilge so that remaining water may legally be pumped overboard
- Convenient tie-downs keep boom in place
- Absorbs 2 quarts of oil yet repels water
- Special design allows maximum absorption
- Helps protect the environment
- 2 Quart Capacity

ORDER NO. 408-68051
4" x 15"



BILGE OIL PADS/5 PACK

- The most effective way to clean up, avoid an oil or fuel spill
- Quickly absorbs oil and fuel, but will not absorb water
- Made of high-quality, virgin materials; will not unravel
- Can be wrung out and re-used
- Ideal for wrapping fuel nozzle to prevent refueling spills

ORDER NO. 409-18451
Size: 17" x 19" x 3/8"
Mfr. No. 91845

For more information see: www.starbrite.com

Captain PHAB

BILGE SOCK

- Used to absorb spills and leaks of petroleum
- Highly absorbent
- Safe for disposal in accordance with sanitary landfill

ORDER NO.	Mfr. No.	Size
706-02061	206	3" x 15"

BULK BILGE PADS

- Special absorbent material soaks up oil and gas but repels water
- Absorbs 20-30 times its weight in oil
- Great for bilge areas, engine rooms or anywhere oil or petro chemicals are spilled
- Helps protect the environment
- Virgin material – does not shred like recycled imitations

ORDER NO. 409-18201 **(200 pk)**
17" x 19" x 3/16" pads

For more information see: www.captainphab.com

3M

3M™ MARINE OIL AND FUEL ABSORBENT BILGE PILLOW

Holds up to two quarts of oil. Just toss the pillow in the bilge, and it soaks up oil and gasoline, but repels water! The bilge water can then be pumped overboard legally. The pillow includes a special grommeted hole which can be used to tie the pillow in place.

ORDER NO. 600-29026
Approximate Dimensions/Sorbent Capacity: 7" x 15" (.5 Gallons/Pillow)

For more information see: www.3m.com/marine

BOAT STANDS

BROWNELL® Boat Stands & Equipment MADE IN THE USA

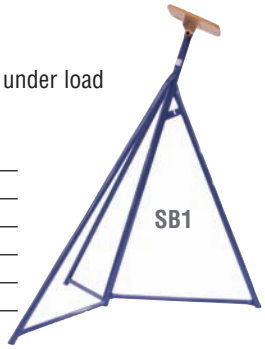
The Brownell Advantage:
•40 Years without a Product Failure
•Built in the U.S.A. by American Workers •Lifetime Warranty

SAILBOAT STANDS

Brownell Sailboat Stands are available from 24" - 96" in height and are designed to be placed under the angled hulls of sailboats. Always use Keel Supports with boat Stands.

- Solid, American Construction
- Wide Variety and Adjustability
- Available with Flat Top with 18 degree swivel or V-Top
- Solid Steel ACME threaded center rod for smooth adjustment under load
- Can be nested for convenient storage

ORDER NO.	Mfr. No.	Description	Range
758-30000	SB0	Sailboat Stand, with Top	79" - 96"
758-30001	SB1	Sailboat Stand, with Top	64" - 79"
758-30002	SB2	Sailboat Stand, with Top	48" - 65"
758-30003	SB3	Sailboat Stand, with Top	35" - 52"
758-30004	SB4	Sailboat Stand, with Top	24" - 36"



MOTORBOAT STANDS

Brownell Motorboat Stands are designed to be placed under the flat chines of powerboats.

- Solid, American Construction
- Wide Variety and Adjustability
- 18 degree top plate articulation in all directions
- Solid Steel ACME threaded center rod for smooth adjustment under load
- Can be stacked for convenient storage

ORDER NO.	Mfr. No.	Description	Range
758-20000	MB0	Motorboat Stand, with Top	41" - 58"
758-20001	MB1	Motorboat Stand, with Top	33" - 50"
758-20002	MB2	Motorboat Stand, with Top	29" - 46"
758-20003	MB3	Motorboat Stand, with Top	25" - 38"

LARGE BOAT DISPLAY STAND

- Unique four pad design reduces stress on the hull
- Unobtrusive design eliminates the potential "tripping" hazard of stands in the showroom. The design also maximizes showroom space because boats can be displayed very close together
- Accommodates dead rises to 45°
- No scratch, no slip TCL pads
- Ideal for boats up to 25' - 45' up to 35,000 lbs, each unit rated to 20,000 lbs. / 9100 kg
- Suitable for most popular brands

ORDER NO.758-37000 Mfr. No. BR37

BOAT STAND TOPS, PADS, CHAINS

ORDER NO.	Mfr. No.	Description	Range
758-00071	OTOP	Orange Top, with Screw	27"
758-00072	OVTOP	Orange V Top, with Screw	27"
758-00073	GTOP	Grey Top, with Screw	23"
758-00074	PVTOP	Pontoon V Top	-
758-00075	TLCPAD	Gel Pad, with Fasteners	-
758-00090	CHAIN12	Safety Chain, 3/16" x 12'	-

KEEL STANDS

We always recommend at least two keel stands placed on hard stable ground to carry the boat's weight. Keel stands are quick to install and are adjustable utilizing the acme threaded rod, thus reducing labour and saving money.

- One keel stand is recommended for each 20,000 lbs / 9,100 kgs of vessel weight.
- Makes complete bottom painting easy without lifting the boat

ORDER NO.	Mfr. No.	Description	Range
758-00004	K4	Keel Stand	15" - 24"
758-00001	KS1	Stackable Keel Stand	20" - 33"

For more information on these and other Brownell products, visit www.boatstands.com

HYDRAULIC BOAT LIFTING SYSTEM

- The safest, fastest means to remove a trailer from beneath a boat
- Heavy-duty construction – 3,000lbs/1,356kg capacity
- 8 ton hydraulic ram jacks
- Adjustable safety stops for jack and lifting arm
- Increased reach and lifting range
- Made in the USA with pride

ORDER NO. 758-00030 Mfr. No. BL3

Lift

Remove Trailer

Lower onto Stands

STAGING LADDER

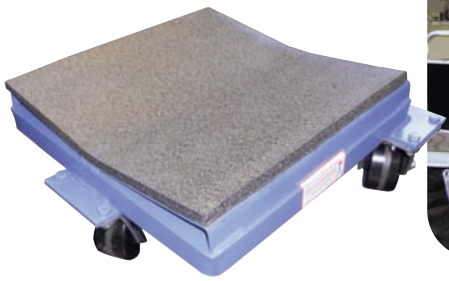
- Provides a stable work platform
- No assembly required
- Folds flat for storage
- Rugged tubular steel construction
- Also available in hot-dip galvanized finish

ORDER NO. 758-00080 Mfr. No. SL8

PONTOON DOLLY

- The safest, most convenient way to display or repair pontoon boats
- Ideal for show rooms, boat shows, repair shops and storage
- Also useful for many other applications
- Three 4" x 2" phenolic wheels with casters, won't scratch showroom floors
- 2,000 lb. capacity each
- Suitable for all pontoon sizes
- High density foam surface protects against scratches
- Dimensions 19" x 19.5" x 9"
- Weight 30 lb.

ORDER NO.758-00020 Mfr. No. PD2



15" High Pontoon Dolly

- Four 4" phenolic wheels
- Can be used with PD2 on tritoons when the pontoons are different heights
- Can be utilized to block boats higher than PD2
- 2,000 lb. capacity per dolly
- Pad is 19.5" x 19.5"
- Weight: 47 lbs.
- Dimensions 19"L x 15"W x 15"H
- Made in America

ORDER NO.758-00020-X Mfr. No. PD2X

PONTOON/TRITOON DOLLY

- For standard pontoons, tritoons, and high-performance sport boats
- Increased ground clearance and an open center section allow use with pontoons and tritoons with lifting stakes, foils and other below-the-waterline control surfaces
- Simplifies loading and offloading of trailers
- Dual 24" long bunks distribute the vessel load
- Corner bumper provides a soft and protective surface for the pontoons
- Width adjusts 2" - 19.5" allowing for customization to further ensure maximum protection for each vessel
- Heavy-duty construction
- Non-marking casters
- 3,000 lb. load capacity

ORDER NO.758-00300 Mfr. No. PD3

For more information on these and other Brownell products, visit www.boatstands.com

BROWNELL® Boat Stands & Equipment MADE IN THE USA

OUTBOARD MOTOR RACK

- Versatile, safe storage for Outboard Motors
- Heavy duty – 2,000 lb. capacity
- 5" locking swivel casters
- Mounting Bar Dimensions: 48" Length, 2" Depth, 6" Height
- Overall Dimensions: 53" x 24" x45"

ORDER NO. 758-50010
Mfr. No. OBR1

SINGLE OUTBOARD RACK/DOLLY

- A safe and secure solution for moving the industry's largest outboards around the shop or showroom
- 1,200 lb. load capacity, stable footprint and top-quality casters
- Storage tray and ample hanging points allow your technicians to keep the engine and rigging together in a single package

ORDER NO. 758-50020
Mfr. No. OBR2

BOAT RACKS

- For use with fork lifts and hydraulic trailers
- Ideal for wash downs and service at dry stack facilities for boats up to 20,000lbs/9,100kgs
- Fast and efficient set-up
- Compact for storage when not in use

ORDER NO.	Mfr. No.	Description
758-00040	BRB	Boat Rack, Bow 28"H
758-00041	BRS41	Boat Rack, Stern 31.5"H

BRB

BRS41

For more information see www.boatstands.com

STERN DRIVE INSTALLATION JACK

Allows for easy & safe removal & installation of stern drives.
Four pneumatic wheels allow easy movement in the shop/yard.
A convenient handle allows to easily push or pull jack around.

- 2-Part chassis for compact fit & strength
- 3-Axis adjustment for proper alignment & configuration with zinc coated hand wheels
- Locking mechanism keeps jack in place
- Reinforced brake pedals
- Heavy-duty lifting capacity
- Also available in hot-dip galvanized finish

Weight: 180 lbs. (82 kg)
Dimensions: 53"L x 32"W x 34"H (1310x810x860 mm)
Working Load: 550 lbs. (250 kg)
Warning: Working Load Limit must not be exceeded.
Not to be used for lifting or hoisting applications

TITAN® MARINE PRODUCTS

ORDER NO. 888-90000-2
Mfr. No. CMJACKV2

For more information see: www.canmet.com

PONTOON STORAGE BLOCKS

- Stable design keeps pontoon hull dry & off the ground
- UV-resistant, and engineered for added stability
- Conveniently stack together when not in use
- Each block holds 4,000 lbs. capacity
- Lightweight & easy to use
- Drainage channels prevent water build-up
- 13-1/2" x 13-1/2" x 9-1/2"

ORDER NO. 101-11401/ Set of 4 Mfr. No. 11401-4

For more information see: www.attwoodmarine.com

HEAVY DUTY BOAT DOLLIES

BROWNELL® Boat Stands & Equipment MADE IN THE USA

- Low profile - 2.5" ground clearance.
- 32" x 35" (81cm x 88cm) frame.
- Adjustable height 15.5" - 21.5"
- Adjustable width 35.5" - 43.5"
- 6" x 2" phenolic wheels with brakes and casters
- One pair required to accommodate boats to 8,000 lbs (3,630kg).

ORDER NO.758-00200 Mfr. No. BD2 ***SOLD AS EACH***

- 6,000 lbs. capacity per dolly; two dollies will safely support a 12,000 lb. boat
- 32" x 35" (81cm x 88cm) frame.
- Adjustable height 29" - 33"
- Adjustable width 57" - 77"
- 6" phenolic wheels with brakes
- Optional connector bar available
- Product weight: 185 lbs.
- Made in America

ORDER NO.758-03000 Mfr. No. BD3 ***SOLD AS EACH***

STERN DRIVE INSTALLATION JACKS

- Adjusts on 3 axis to make stern drive removal & installation an easy one man job
- Features pneumatic wheels
- Coated surfaces to prevent scratching
- Rating: NMDA, NMMA, ABYC, ABBRA, BBB and Association of Marine Industries
- Weight: 165 lbs. (74 kg)

Heavy-Duty 3 Ton Jack

ORDER NO. No. 758-00053 Mfr. No. SD3

SINGLE UNIT STERN DRIVE RACK

- Small, easily maneuverable method for moving the stern drive to and from the vessel
- Footprint of less than two feet square, the SDR1 stores easily when not in use
- All contact surfaces are coated with rubber to prevent scratching
- Heavy-duty steel is protected with our traditional painted blue surface for long-lasting durability

ORDER NO. 758-00054 Mfr. No. SDR1

STERN DRIVE STORAGE RACKS

- All contact surfaces are rubber coated to prevent scratching
- 5" swivel casters with brakes for easy maneuverability

ORDER NO.	Mfr. No.	Description
758-00044	SDR4	Stern Drive Storage Rack, 4 Units

For more information see www.boatstands.com

DOMETIC OUTDOOR

GEAR UP FOR SUMMER

SeaStar Standard Trim Tab System

Dometic has redefined the ease of use and practicality of a basic trim tab system. Featuring an intuitive dial controller, you can easily adjust the pitch and roll to get your boat on plane quickly and efficiently. A programmable favorites button makes for effortless operation. While its innovative, rugged design and auto-retract feature, ensure reliability and safety on the water, whatever the conditions.

dometic.com

SUPPLIERS	WEBSITE
303 PRODUCTS INC.	www.goldeagle.com/brands/303-products
3M CANADA	www.3m.com/marine
ABSOLUTE OUTDOOR	www.absoluteoutdoorinc.com/brands.php
AFI / Marinco	www.marinco.com
AIRHEAD Sports Group	www.airhead.com
ALEX MILNE & ASSOCIATES	www.alexmilne.com
ANCOR MARINE / Power Products	www.ancorproducts.com
AQUAGARD (Flexdel)	www.flexdel.com
ARCO MARINE	www.arcomarine.com
AQUALOCK (Formerly Sea Tech)	www.watts.com/aqualock-marine
ASA ELECTRONICS / Audiovox / Jensen	www.asaelectronics.com
ATTWOOD CORP	www.oneasg.com
AUDIOVOX SPECIALIZED APPL. / ASA / Jensen)	www.asaelectronics.com
AUTOMISSION PLUS / (Pela Products)	www.pelaproducts.com
AVA ELECTRONICS / Boss Audio Systems)	www.bossaudio.com
BALCAN PLASTICS	www.balcan.com
BALMAR LLC	www.balmar.net
BEARING BUDDY INC.	www.bearingbuddy.com
BENNETT MARINE INC	www.bennetttrimtabs.com
BEP / Power Products	www.bepmarine.com
BLUE SEA SYSTEMS Power Products	www.bluesea.com
BOAT BUCKLE (IMMI Outdoor Division)	www.boatbuckle.com
BOAT LIFE / Life Industries Corp.	www.boatlife.com
BOSS AUDIO / AVA Enterprises	www.bossaudio.com
BOSWORTH COMPANY (THE)	www.thebosworthco.com
BROWNELL BOAT STANDS	www.boatstands.com
BUCK ALGONQUIN	www.buckalgonquin.com
BUFFALO INDUSTRIES	www.buffaloindustries.com
C.E.SMITH	www.cesmith.com
C.I.L. / ORION CANADA	www.cilexplosives.com
CAMCO MANUFACTURING INC.	www.camco.net
CANADA METAL (PACIFIC) LTD.	www.martyranodes.com
CANNON (Johnson Outdoors Canada Inc.)	www.cannondownriggers.com
CAPTAIN PHAB	www.captainphab.com
CARLSTAR GROUP (THE)	www.carlstargroup.com
CARVER INDUSTRIES	www.carvercovers.com
CASTROL (Wakefield)	www.wakefieldcanada.ca
CDI ELECTRONICS	www.cdielectronics.com
CHAMPION SPARK PLUGS	www.championsparkplugs.com
CIPA USA INC.	www.cipausa.com
CMP GROUP	www.cmpgroup.net
(Martyr Anodes, Dock Edge, EZ Steer, IntelliSteer,Panther, Octopus, Titan, TrollMaster)	
CRC CANADA INC	www.crc-canada.ca
DAVIS INSTRUMENTS	www.davisinstruments.com
DETMAR	www.detmarcorp.com
DEXTER MARINE	www.dexteraxle.com
DICKINSON MARINE	www.dickinsonmarine.com
DIVERSCO RECREATIONAL GROUP	recgroup.diversco.ca
DOCK EDGE & INC.	www.dockedge.com
DOMETIC / ELECTRICAL INSTRUMENTS	www.catalog.sierraparts.com
DOMETIC / HYDRAULIC	www.dometic.com
DOMETIC / MECHANICAL	www.dometic.com
DOMETIC MOBILE COOLING / SANITATION	www.dometic.com
DOMETIC SELOC PUBLICATIONS	www.catalog.sierraparts.com
DOMETIC SHIELDS HOSE	www.catalog.sierraparts.com
DOMETIC SIERRA MARINE	www.catalog.sierraparts.com

WEBSITE LISTING

SUPPLIERS	WEBSITE
DR. SHRINK INC.	www.dr-shrink.com
DUTTON-LAINSON COMPANY	www.dutton-lainson.com
DYNAMIC PAINT PRODS. INC/LANCASTER CANADA	www.lancastercanada.com
EMP	www.engineeredmarineproducts.com
E.Z. STEER (Marine Tech Products)	www.ezsteer.com
FAIRVIEW FITTINGS & MANUFACTURING LTD.	www.fairviewfittings.com
FALCON SAFETY PRODUCTS	www.falconsafety.com
FARIA BEEDE INSTRUMENTS	www.fariabeede.com
FIREBOY-XINTEX	www.fireboy-xintex.com
FLEXDEL / (Aquagard)	www.flexdel.com
FLOJET / XYLEM INC.	www.xylem.com
FLYING COLOURS INTERNATIONAL	www.flyingcoloursintl.com
FOX 40 INTERNATIONAL INC.	www.fox40world.com
FULTON (Horizon Global)	www.fultonperformance.com
GARELICK MFG. CO.	www.oneasg.com
GELCOTE INTERNATIONAL	www.gelcote.com
GLM PRODUCTS INC.	www.glmmarine.com
GOLD EAGLE / STA-BIL	www.goldeagle.com/brands/sta-bil/
GREENFIELD PRODUCTS INC.	www.greenfieldproducts.com
HANDI-MAN MARINE / S & J PRODUCTS	www.handimanmarine.com
HARDLINE PRODUCTS	www.hardlineproducts.com
HORIZON GLOBAL (Fulton, Wesbar)	www.horizonglobal.com
HUMMINBIRD (Johnson Outdoors Canada Inc.)	www.humminbird.com
PENTAIR. / Sherwood Pumps	www.sherwoodpumps.com
PENTAIR / Shurflo	www.shurflo.com
INCOM MANUFACTURING GROUP	www.incomdirect.com
INNOVATIVE LIGHTING INC.	www.innovativelight.com
IRONWOOD PACIFIC	www.ironwoodpacific.com
JABSCO (Xylem Flow Control)	www.xylem.com
JOHNSON OUTDOORS (Cannon,Humminbird,Minn Kota)	www.johnsonoutdoors.com
JOHNSON PUMP OF AMERICA / MAYFAIR	www.spxflow.com/johnson-pump-marine
KANBERRA GEL	www.kanberragel.com
KASCO MARINE INC.	www.kascomarine.com
KEELGUARD INC. (Megaware)	www.keelguard.com
KIDDE CANADA	www.kidde.com
KINGSTON ANCHORS	www.kingstonanchors.com
LANCASTER (Dynamic Paint)	www.lancastercanada.com
LENCO MARINE	www.lencomarine.com
LIFE INDUSTRIES CORP. (Boat Life)	www.boatlife.com
LUXOR MARINE & RV INC.	www.luxormarine-rv.ca
MAGIC EZY	www.magicezy.com
MARINCO / Power Products	www.marinco.com
MARINE DYNAMICS / Savior Products	www.stingrayhydrofoils.com
MARINE EAST.	www.marineeast.com
MARTYR ANODES	www.martyranodes.com
MASTER LOCK COMPANY	www.masterlock.com
McGARD INC.	www.mcgard.com
MEGAWARE KEELGUARD INC.	www.keelguard.com
MEGUIAR'S INC.	www.meguiarscanada.com
MICHIGAN WHEEL MARINE	www.miwheel.com
MINN KOTA (Johnson Outdoors Canada Inc.)	www.minnkotamotors.com
MOELLER MARINE	www.moellermarine.com
MOTORGUIDE	www.motorguide.com
MORSE RUBBER L.L.C.	www.morserubber.com
NATURAL MARINE (Alex Milne)	www.alexmilne.com
NGK SPARK PLUGS	www.ngksparkplugs.ca
N.A. TAYLOR (Taylor Made Products)	www.taylormadeproducts.com

SUPPLIERS	WEBSITE
NHS MARINE	www.nhsmarine.com
NICRO / Power Products	www.marinco.com
NHS MARINE	www.nhsmarine.com
NICRO / Power Products	www.marinco.com
NORCOLD INC. (Thetford)	www.thetford.com
OBR	www.obrparts.com
ONGARO MARINE LTD (Schmitt & Ongaro Marine)	www.schmittongaromarine.com
ORION CANADA (C.I.L./EVAN)	www.cilexplosives.com
PANTHER MARINE	www.panthermarineproducts.com
PAWZ PET PRODUCTS	www.pawzpetproducts.com
PELA PRODUCTS (Automission Plus)	www.pelaproducts.com
PERKO	www.perko.com
PERMATEX CANADA INC (Spray Nine)	www.permatex.com
PETTIT PAINT CO / KOP-COAT INC.	www.pettitpaint.com
POLYFORM U.S. LTD.	www.polyformus.com
POWERWINCH (Carefree of Colorado)	www.powerwinch.com
PROFESSIONAL MARINER	www.promariner.com
QUESSY INTERNATIONAL	www.quessyinternational.com
R.E. CHAPIN MANUFACTURING	www.chapinmfg.com
RACOR (Parker-Hannifin)	www.racornews.com
RITCHIE NAVIGATION	www.ritchienavigation.com
RULE (Xylem Flow Control)	www.xylem.com
SAMLEX	www.samlexamerica.com
SCEPTER CANADA	www.sceptermarine.com
SCHMITT & ONGARO MARINE.	www.schmittongaromarine.com
SCOTT PLASTICS LTD.	www.scotty.com
SEA-DOG LINE CORP.	www.sea-dog.com
SHAKESPEARE COMPANY	www.shakespeare-marine.com
SHERWOOD PUMPS (Pentair)	www.sherwoodpumps.com
SHURFLO (Pentair)	www.shurflo.com
SHURHOLD INDUSTRIES	www.shurhold.com
SPRAY NINE (Permatex)	www.spraynine.com
SPRINGFIELD MARINE CO.	www.springfieldgrp.com
STARBRITE	www.starbrite.com
SWIVL-EZE MARINE PRODUCTS (Attwood Corp.)	www.attwoodmarine.com
SYNTEC INDUSTRIES	www.syntecind.com
T & R MARINE	www.trmarine.com
TACO METALS	www.tacomarine.com
TAYLOR MADE PRODUCTS (N.A. Taylor)	www.taylormadeproducts.com
TERA PUMP	www.terapump.net
T-H MARINE SUPPLIES INC./ CMC	www.thmarine.com
THETFORD SANITATION LTD.(Norcold)	www.thetford.com
TIE DOWN ENGINEERING	www.tiedown.com
TURNING POINT PROPELLERS	www.turningpointpropellers.com
UFLEX USA	www.uflexusa.com
UNICORD	www.unicordcorp.com
UNIDEN AMERICA	www.uniden.com
VOLVO QL / Volvo Penta	www.qlmarine.com
WAKEFIELD CANADA INC (Castrol)	www.wakefieldcanada.ca
WESBAR (Horizon Global)	www.wesbar.com
WHALE	www.whalepumps.com
WHITECAP INDUSTRIES	www.whitecapindustries.net
WISE CO. INC. (The Wise Co.)	www.wiseseats.com
XYLEM INC. / FLOJET	www.xylem.com
XYLEM INC. / JABSCO	www.xylem.com
XYLEM INC. / RULE	www.xylem.com

These Products are subject to a Dangerous Goods Fee.
Dangerous Goods Product Listing is subject to change without notice.

Ces produits sont soumis à une charge de marchandises dangereuses.
La liste des marchandises dangereuses peut être modifiée sans préavis.

Part Number	Mfr. No.	Product Description
077-08000	AIRH-8 OZ/550	Air Horn, 8 oz.
077-08001	AIRH-R-8 OZ/551	Air Horn Refill, 8 oz.
077-10080	HHSOB1/556	Hand Held Orange Smoke Signal Flare
077-30003	CIL3/699	Twin Aerial Red Flare, 3 Pack
077-52151	52151	Orange Floating Smoke Signal
077-52156	52156	Hand Held White Signal
077-52162	52162	Parachute Red Signal Rocket
077-52186	52186	Hand Held Red Flare
077-52262-1	52262-1	Red Parachute Signal Rocket **(SOLAS)**, Single, Bulk
077-52262-3	52262-3	Red Parachute Signal Rocket **(SOLAS)**, 3 Pack, Bulk
077-52262-12	52262-12	Red Parachute Signal Rocket **(SOLAS)**, 12 Pack, Bulk
077-52562	52562	Illuminating White, Solas Rocket
077-60001	CIL6/946	SkyBlazer Twin Alert Red Aerial Signal, 6 Pack
104-50000	FE5R-PWCNA	Fire Extinguisher, PWC
104-66294-M	466294MTL	Fire Extinguisher, Red, 5-B:C
104-66295-M	466295MTL	Fire Extinguisher, Red, 10-B:C
104-66296-M	466296MTL	Fire Extinguisher, Red, 1-A:10-B:C
104-66297	466297	Fire Extinguisher, Red, 3-A:40-B:C
104-68030-M	468030MTL	Fire Extinguisher, White, 1-A:10-B:C
104-68031-M	468031MTL	Fire Extinguisher, White, 5-B:C
108-01016	0801016	Castrol Super Clean, 3.78 Litre
108-01017	0801010	Castrol Super Clean, 20 Litre Pail
108-01018	0801006	Castrol Super Clean, 208 Litre Drum
268-76204	76204	On & Off Hull & Bottom Cleaner, 3.785 Litre
454-07527-B	MA2-075227-BL	FireBoy Fire Extinguisher, Max Vol.-75 cu. ft.
454-12527-B	MA20125227-BL	FireBoy Fire Extinguisher, Max Vol.-125 cu. ft.
454-17527-B	MA20175227-BL	FireBoy Fire Extinguisher, Max Vol.-175 cu. ft.
561-79105	7908-0105	Fox40 Fire Extinguisher, Red, 10-B:C
561-79210	7911-0002	Fox40 Deluxe Boating Kit- Fire Extinguisher, White, 5-B:C
561-79704	7908-0704	Fox40 Fire Extinguisher, White, 1-A:5-B:C
613-03004	3004	Hardener, Intermediate, 3.78 Litre
613-03504	3504	Hardener, Clear UV Resistant, 3.78 Litre
613-04004	4004	Hardener, Slow, 3.78 Litre

DG

DG

These Products are subject to a Dangerous Goods Fee.
Dangerous Goods Product Listing is subject to change without notice.

Ces produits sont soumis à une charge de marchandises dangereuses.
La liste des marchandises dangereuses peut être modifiée sans préavis.

Part Number	Mfr. No.	Product Description
613-10505	105-04NW	Fibreglass Polyester Resin w/ Hardener, 20 Litre-No Wax
613-10540	105-04	Fibreglass Polyester Resin w/ Hardener, 20 Litre-Wax
613-11230	112-3	Gelcote Hardener (MEKP), 8 oz., 225 ml
706-03050	305	Fuel Stabilizer, 20 Litre
706-03060	306	Marine Alcohol, 4 Litre
706-03091	309	Methyl Hydrate, 4 Litre
706-03511	351	Acetone, 4 Litre
706-03521	352	Acetone, 20 Litre
706-03780	378	Hull & Bottom Cleaner, 20 Litre
706-03841	384	Xtra Fast Hull Cleaner, 4 Litre
706-03850	385	Xtra Fast Hull Cleaner, 20 Litre
706-03861	386	Fast Hull Cleaner, 4 Litre
706-03870	387	Fast Hull Cleaner, 20 Litre
706-05860	586	Aluminum Magic Cleaner, 20 Litre
706-05871	587	Aluminum Magic Cleaner, 4 Litre
791-50121	5012	Natural Marine - Boat Bottom Cleaner, 4 Litre
791-50130	5013	Natural Marine - Boat Bottom Cleaner, 20 Litre
791-50140	5014	Natural Marine - Boat Bottom Cleaner, 205 Litre Drum
977-00004	ECONO4/867	Locate Econo 4 Kit, Hand Held,4 Pk.
977-00006	ECONO6/594	Locate Econo 6 Kit, Hand Held,6 Pk.
977-00012	SUPER-12	Super-12 Flare Kit, 12 Pk
977-12003	C12T3PK/692	12 Gauge Replacement Aerial Flares
977-12005	12WB/907	12 Gauge Practice Flare, White
977-12006	C12T6PK	12 Gauge Practice Flare, 6 Pk
977-12120	C12TB6/596	12 Gauge Twin Basic 6 Kit
977-60000	SUPER6	Super-6 Flare Kit, 8 Pk
977-70001	CULTIAL	Ultimate Alert / Locate Kit
977-90750	750	WLD Signal Flare
977-90758	758	WLD Locator Signal Kit

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001-21303	425	002-13020	159	008-00019	962	011-01170-2	1004
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001-27030	425	002-210000	155	008-00025	962	011-01294	1000
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001-31510	422	002-21022	159	00836-0001-P	915, 919, 921	011-01894	1000
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001-44006	418	002-41224	157		922	011-03094	1000
001-44008	418	002-44000	158	00836-0008-P	919, 921, 922	011-03694	1000
001-44012	418	002-60070	156	00920-0001-P	915, 919, 921	011-09000	1000
001-44020	418	002-60070K	156		922	011-10000	1002
001-44021	418	002-60100	156	00920-0003-P	919, 921, 922	011-10004	1004
001-51060	423	002-60100K	156	00920-0008	919, 921, 922	011-10006	1003
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001-51815	422	002-621100K	156	010-00030	962	011-11250-20	1000, 1004
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001-52036	419	003-50007	401	010-00070	962	011-11352	1004
001-52038	419	003-51007	401	010-00080	962	011-12000	1000
001-52060	419, 423	004-00010	1297	010-00090	962	011-12001	1000
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001-55130	421	004-00030	1297	010-80021	789	011-15007	402
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001-63110	420	004-00050	1297	011-00001	1003	011-16002	1000
001-63115	420	004-00070	1297	011-00004	1004	011-18120	1000
001-63120	420	004-00080	1297	011-00005	1004	011-30000-1BC	1002
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001-63160	420	004-21007	401	011-00013	1004	011-45007	402
001-63170	420	004-40007	401	011-00015	1004	011-50006	1002
001-63180	420	004-50007	401	011-00016	1004	011-50010	1002
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