

Go fast. Go shallow. Go efficient!™



## BOB'S MACHINE SHOP

Division of BMS International, Inc.  
outboard performance accessories

# NOW - 5 PLATES TO CHOOSE FROM!



Model	Plate Weight lbs.	Max. HP	Setback Width (inches)
Ultra Lt. weight	29	115	4
Ultra HD	37	300	4
Lightweight	38	300	6
8" Jack	42	300	8
Max. JAC	47	300	10

Jack plates come with: jack plate, pump, wiring harness, 7' hoses, control switch, and oil.

## OUR MOST POPULAR LIGHTWEIGHT up to 300 HP / Just 38 lbs!

Provides all the performance, features, and benefits as the standard models.

- Weighs 1/3rd less than any other plate
- Improves fuel efficiency
- Increases speed and performance
- Raises engine under full power
- Fastest lift made (7 second full run!)
- The top-rated performer by Boater Magazine
- Low maintenance and ready to rig
- Hydraulic Dimension: OAW 16-3/4", OAH 13-3/4"
- Limited Lifetime Structural Warranty

And for smaller boats, the Ultra Lightweight is available up to 115HP at just 29 lbs.



## LIFT PLATE GAUGE Solid State One of a Kind Technology

- Unique solid-state transducer
- Special photoelectric eye that precisely regulates the LED brightness
- Sensor reads every 1/4" rise and lights a corresponding LED
- 2-Year Warranty
- Available with white or black face.



## HYDRAULIC PUMP ASSEMBLY

Complete with solenoids, wiring harness, and two 90 degree fittings. Pump has 18 month warranty. Optional Floor Mount Bracket. #HPA

# JACKPLATE OPTIONS



**5/8" SPACERS**



**2" SET BACK SPACERS WITH BOLT KIT**



**3/4" SPACERS**



**LED GAUGES**



**BACKING PLATES**



**BOBS THRU HULL FITTINGS**



**BOLT KIT**



**JACK PLATE OIL**

**CUSTOM MADE HOSES TO ANY LENGTH**

## 4 IN 1 CONVERTIBLE JACKING PLATE - #MJ5

Designed to give maximum performance, speed, and economy.

### 2-1/2" Offset No Wedge

A feature which is used on the lightest of boats, allowing the engine to be raised to its maximum height without putting the weight of the engine too far behind the transom which could create too much bow lift.

### 2-1/2" Offset with Negative 6-Degree Wedge

This design can be used when the transom of a boat is too steep of an angle to allow the outboard motor to perform properly. For example, an 18-degree transom becomes a 12-degree transom when this design is applied.

### 5" Offset No Wedge

This option desirability will vary from boat to boat depending upon length and weight of boat. Some outboard motors have a limited trim angle and the 6-degree wedge may not allow for enough bow lift. By setting the plate at the no wedge design, it will give maximum bow lift.

### 5" Offset with 6-Degree Wedge

- A. Jacking bolts – Allow motor to be moved to any height. (Max. 4" movement at each setting). No need to take boat out of water.
- B. Off-Set – Positions motor 5-1/2" behind transom. This allows prop to run in cleaner water, away from the turbulences and bubbles created by the hull. This helps stop slippage of prop, and helps stop torque in steering wheel at high speeds.
- C. Trim-In – This allows motor to be trimmed in or down 6 degrees more than if mounted flat on transom. Helps stop low speed porpoising. Balances load better.
- D. Light-Weight – Approximately 20 lbs. constructed of aircraft grade aluminum and stainless steel.
- E. Anodized – Anodized black finish to prevent corrosion. Anodize also lets paint stick to aluminum if painting is preferred.
- F. Narrow-Design – Only inches wide makes this plate possible to fit the narrowest of transoms.
- G. Fits V-6 – Predrilled to fit all late model V-6's. Can be modified to fit any size outboard

Converting the 4 in 1 is as easy as dropping anchor! Adjustable plates turn 180 degrees and switch sides, then bolt in place. 8" Manual and 4 in 1 heavy duty also available. The 8" Manual weighs 26.5 lbs. The 4 in 1 heavy duty weighs 27 pounds.



2-1/2" Offset No Wedge



2-1/2" Offset with  
Negative 6-Degree Wedge



5" Offset No Wedge



5" Offset with  
6-Degree Wedge

### MANUAL JACK

Overall width: 17-7/8" – Overall height: 14" – Weight 19 lbs.  
All manual jack plates have 2 1/2" of lift built in and 4" of adjustable lift.

## STABILIZER PLATE - #BT

This new design of an already-proven product gives all the advantages of the broad tail stabilizer plate (quicker hole shot, keeps boat on plane at lower speeds, increases top speed on most boats, smooths out the ride, helps stop porpoising), plus the new design has these added features:

- Boat has more stern lift
- Much less torque in steering wheel
- Flat-bottom boats steer better (less sliding)
- Most importantly, boat steers easier at low speeds with less correction of steering wheel (stops boat from wandering at low speeds)
- Available for most engines 75 horse power and up
- Not recommended for Mercury 3.0 liter



## OUTBOARD EXHAUST HOUSING

Exhaust Housing designed for Outboards

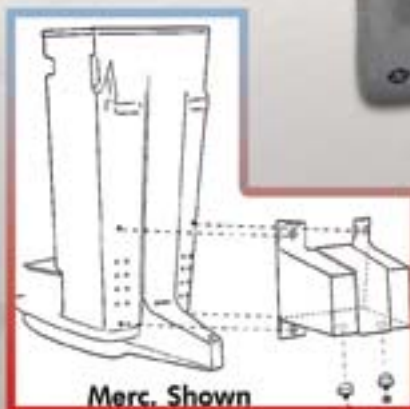
Mercury (2.0L, 2.4L, 2.5L only) #EH-M - O.M.C. (V4-V6 only) #EH-0

Yamaha (2.6L only) #EH-Y

Without modification to the engine, this simple, after-market add-on is designed to relieve back pressure on the engine and results in more efficient low-end throttle response, a better tuned engine and increased fuel economy.

The unit comes complete with two removable plugs and four screws, so the casting can be installed on the back of your motor within a matter of minutes.

By removing two plugs, the unit will allow exhaust which normally travels through the propeller to escape above the water line, and consequently this results in your engine breathing and performing better. Replace the plugs in the unit and exhaust will travel through the prop again. Not available for 3 liter Merc.



## MINI JACK PLATE FOR MINI BOATS

Manual Jack Plate

Mini Manual - Only 12 lbs. - #MMJ

Variable Horizontal Offset - Plate can be set at three different horizontal dimensions. 4-1/4" setback, 5" setback, and 6-1/8" setback, to achieve optimum performance and handling (40 HP max). Lift 4".

Mounting hardware is not included.



## TRAILER LOCKS

Security and Great Looks.



**McGard**

McGard wheel locks & lug nuts for boat trailers are made to the same high standards as our automotive line of products. For boat trailers with steel or alloy wheels with cone seats, simply replace one of the lug nuts with a McGard wheel lock, that's it. Our wheel locks and lug nuts are machined from high quality steel, through-hardened and then triple-nickel chrome plated. Every McGard lug nut is guaranteed for life not to rust, chip or peel.

## FIXED MOTOR MOUNTS

Bob's Fixed Motor Mounts have the rigidity you need to assure precise steering at high speeds. They eliminate propeller fishtailing permitted by flexible mounts. Even so-called "high performance" pinned or hard rubber mounts aren't as rigid as you deserve for high-speed handling ease and safety, so don't settle for less than Fixed Motor Mounts. They're like trading in sloppy linkage and getting rack and pinion steering in return. Your boat will steer more reliably throughout its entire speed range in both the smoothest and the roughest water. The hull's more consistent relationship to the water enables you to run safely at higher speeds than possible with conventional "rubber band" mounts. Fix your steering now with Bob's Fixed Motor Mounts! Each set contains 2 upper and 2 lower mounts.



## TRANSOM WEDGES

These 1", 5-degree cast aluminum wedges are used as an aid for boats with an insufficient transom angle or for boats having planing problems at low speed. Fits all motors with BIA bolt patterns. Stock # TW

## 2 INCH SET BACK SPACERS - SP-2

These spacers are made out of strong aluminum alloy and machined flat on both sides. Adding these spacers is the simplest way of getting that extra mph. These spacers go between the transom and the engine's mounting bracket. In some cases they can also be installed between the jack plate and engine.

By applying the set back spacers to the transom, you are moving the center of gravity of the hull further back. By doing this you are rebalancing the boat which allows the hull to remain at its present attitude with less trim. Therefore, you have more power to push the boat forward rather than to hold the bow up.

The kit comes complete with stainless steel bolts and nuts.

## TRAILER BALLS



**#901 1" 2 Ball Set. 1<sup>7/8"</sup> & 2"**      **#902 1" 3 Ball Set. Stainless**

Also Available:

#700 Set - 3/4" Regular Shank with 1-7/8" and 2" Balls

#802 Set - 3/4" 2 Ball Set Stainless

#900 Set - 1" Regular Shank with 1-7/8", 2", 2-5/16" Balls

#903 Set - 1" 2 Ball Set Stainless (SM)

## ALUMINUM MOUNTS

Mercury V6 = #MSM-V6

Mercury 3 Liter = #MSM-3

Mercury Inline = #MISM

Yamaha V6 = #YSM-V6

Yamaha 3.1 Liter = #YSM-3



## TRANSOM SAVERS #TSA

Adjustable head transom savers. Our popular adjustable head models are specially designed to fit all engines. This unique design improves engine stability while trailering as well as protecting the boat transom. Adjust from 21° - 31° to fit all engines.





## THE FINEST MARINE SECURITY FASTENER PROGRAM AVAILABLE

McGuard offers the most complete Marine Security Fastener Program in the industry. For over 25 years we have been the leading manufacturer of automotive wheel locks and lug nuts. This same expertise is reflected in our marine products and programs. McGard's state-of-the-art design, engineering, and manufacturing enable us to produce the highest quality products for the best possible price. That combined with our contemporary packaging and factory-direct customer service makes us the obvious choice for you – and your customers. You won't find a better value anywhere. Whether it's theft protection for stern drives, outboard motors, propellers, or trailer wheels, McGard has it.

# McGuard

## STERN DRIVE LOCKS

Theft protection for Mercruiser, Cobra, Yamaha, or Volvo Stern Drives.

Simply replace one of the stern drive mounting nuts or Volvo bolt with a McGard lock. Our stern drive locks are fully machined from high quality stainless steel and through-hardened. This new design features a free spinning collar that turns if attacked by gripping tools without loosening the lock. Give your customers the best protection available against expensive stern drive theft.



## OUTBOARD MOTOR LOCKS

Theft protection for outboard motors.

McGuard outboard motor locks are designed to lock the bolt that holds the outboard motor onto the boat's transom. Simply replace one of the mounting nuts with a McGard locking nut. McGard outboard motor locks are identical in quality and construction to our stern drive locks. A free-spinning collar turns if attacked by gripping tools, protecting against costly outboard motor theft.

### Application Information:

#### STERN DRIVE LOCKS

STERN DRIVE UNIT		THREAD	CLAMSHELL	
MerCruiser® Alpha & Bravo, & Blackhawk, OMCCobra® & KingCobra; Volvo SX, DPK, MerCruiser® TIS & V SSN.	Single Drive Twin Drive	7/16"	74018 74019	74020 74021
Yamaha.	Single Drive Twin Drive	1/2"	74022 74023	74030 74031
MerCruiser® III SSN, IV SSN, V SSN, VI SSN, Volvo (except SX & DPK)	Single Drive Twin Drive	12 x 1.25 5/8"	74024 74025 74026	74032 74033 74034
		8 x 1.25	74047	—

#### OUTBOARD MOTOR LOCKS

OUTBOARD MOTOR	THREAD	CLAMSHELL
Mercury/Mariner 40HP and larger.	1/2" x 20	74036
Yamaha 50 Hp and larger.	12 x 1.25	74037
Johnson/Evinrude 40HP and larger.	1/2" x 13	74038
Fits most of the following outboards: Johnson/Evinrude 6HP-30HP Mercury/Mariner 8HP-25HP Yamaha 9.9HP-40HP Suzuki 8HP-30HP		
Also fits other small outboard motors with a hole in the transom bracket for mounting the motor (stainless steel bolt included in set).		

#### PROPELLER LOCKS

STERN DRIVE UNIT	OUTBOARD MOTOR	THREAD	CLAMSHELL
MerCruiser®: Alpha I, Bravo I, TIS, OMC: Cobra® and King Cobra, Volvo SX	Mercury, Mariner: 70 HP & larger. Johnson, Evinrude: 140 HP & larger.	3/4" x 16	74039
All Yamaha stern drives.	Yamaha: 115HP & larger. Suzuki 40HP & larger. Johnson, Evinrude: 40HP-130HP	1" x 14 18 x 1.5 5/8" x 11	74053 74040 74052
Volvo: Single Prop (except SX), Volvo: Duo-Prop		5/16" x 18 12 x 1.75	74044 74046
*92 & 94 drives using a prop. bolt with a 1/8" hex or 1/4"			



## PROPELLER LOCKS

Theft protection during use, storage, and transit.

Provide your customers with protection against propeller theft with our newly designed lock. Featuring the same patented design as our stern drive and outboard motor locks. A free-spinning collar will turn if attacked by gripping tools without loosening the lock. It is constructed of naval brass and hardened stainless steel for maximum security. Once installed our propeller lock offers 24 hour a day protection.

## BIG FOOT NOSE CONE KIT WITH LOW WATER PICK-UP - #BFNCK

- 50% More Cooling Capacity
- Higher Speed & Proper Water Pressure
- Low Water Pick-Up
- 50% More Volume than any now on the market
- Nose Cone Kit contains all hardware for complete installation
- Kit comes with complete almag-35 top grade casting, epoxy kit, hose fittings, 8" of rubber hose, and installation instruction.

### Shallow Water Access

Travel and fish waters that until now have been unreachable with outboard motors having standard (side water pick-up) gear cases.

### Proven Quality

The same superior design as our world speed record-holding Big Foot, low water pick-up cones.

- Crescent-shape for superior performance and handling
- Five inlets create less chance of stoppage than anything now on the market.

### High Water Flow Capacity

Allows surface piercing props (choppers, cleaver-style) to be run at maximum height for top speed and all out performance, while maintaining proper cooling to engine.

### Factory Installation Available

Only manufacturer to offer complete factory installation, usually completed within 10 working days from delivery date. Call for details. Over 15,000 cones installed in the past 5 years!



Nose Cones Tested	Top Speed MPH maintaining 10 PSI	Maximum motor height obtained above transom while without prop slippage water pressure minimum	RPM Obtained
Bob's	74.8	Sky High	6250
Hydro Motive	72.5	3-1/2"	6150
Land & Sea	70.1	2-1/4"	5850
Mercury Stock	69.7	2-1/2"	5900
Mercury CLE (Racing)	68.5	No limit	6150

## TEST BOAT AND EQUIPMENT USED

Boat: Nitro 190TF (19' bass boat)

Motor: Mercury 150 XRI, 150 HP

Gearcase: 1:87:1 Ratio

Load: two 200-pound men; 28 gallons of fuel, rear livewell half-full

Prop: Quicksilver trophy, four blade, small hub, 13-3/8 x 25 inch pitch

Speed: Radar checked

Conditions: Test held in under four hours with conditions at the start virtually the same as at the end. Flat to 2 inch chop, no wind, 58 degrees air temp.

## FRESH WATER FLUSHING KIT - #FK

- Designed specifically for all Bobs nose cone kits with low water pick-up.
- Can only be used on BOBS low water pick ups.
- Attaches to garden hose.
- Will not scratch or mar (made of durable, soft urethane construction, not fiberglass).
- One-person operation.



## NOSE CONE INSTALLATION INFO

Shown in these pictures is an example of factory installation.

The customer can send unit completely assembled (any kind; Merc, Yamaha, Johnson, Evinrude, Mariner, etc.) Gears do not have to be removed, unless preferred. Units are UPS shippable. We need units for approximately 7 to 10 working days upon receiving unit. Upon arrival all gear cases are marked and dated with customer's ID# to ensure proper identity.

1. We sandblast gearcase.
2. We will center-line nose cone to prop shaft, weld nose cone in place while being held in a fixture to ensure proper alignment.
3. We blend the nose cone into the unit using fiberglass fillers and finish to the proper contour and shape using air files, D.A. Grinders, etc.
4. We prepare the case to be painted with an etching primer and then a sealer primer and then to a finish paint.
5. We reassemble the unit putting stainless steel hoses on to the completed job and ship to customer (approximately 7 to 10 working days to ship).



**FACTORY INSTALLATION AVAILABLE***Increases***Speed • Performance • Handling • Economy****High Water Flow Capacity**

Allows surface piercing props (choppers, cleaver style) to be run at maximum height for top speed and all out performance, while maintaining proper cooling to engine.

**Proven Quality**

- The same superior design as our world speed record-holding Big Foot, low water pick-up cones.
- Crescent-shape for superior performance and handling.

**Superior Casting and Design Quality**

- Only manufacturer to offer complete factory installation, with approximately 7-10 day turnaround. UPS pick-up and delivery at your door. Call for details.
- Over 15000 cones installed in the past 5 years.

**50% more volume than anything now on the market!**

Nose Cone Kit contains all hardware for complete installation. Pictured below are gear cases showing different type cones installed for a variety of applications.

Please note: grass slippers are not available if you have a nose cone installed.

**#BF-I: Big Foot Cone**

Performance boats, race boats, etc. Designed for highest possible engine setting and maximum overall performance.

**#CC-I: Combo Cone**

Flats boats, bass boats, etc. Pickups on top and bottom of bullet (for sandy areas)

**#V8-I: V-8 Cone**

Dual hose application. Provides extra volume of water for larger engines.

**#GM-I: Grass Master**

Bass boats, flats boats, etc. Pickups are located on the side of gear case and top of bullet (for grassy areas).

**#SP-I: The Sportsman's Edition**

With water inlets located in five different locations (as shown) and a total of from 11 to 13 inlets. This makes the Sportsman's Edition cone the most versatile and trouble-free low water pick-up nose cone available anywhere on the market today.

**#TRS-1: T.R.S.**  
(With solid cone installed)**#IBC-I: Bravo**  
(With solid cone installed)**#BGS: Bob's Grass Slipper**  
Designed to deflect vegetation down the gear case, away from the prop and stock water pick ups.

## STEERING TRIM CONTROL UNIT - #ST-1

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 finger tips for maximum safety and ease of operation. The weather proof, rubber booted, push button switches combined with a black urethane coiled cord provide a unit which will provide trim control without removing hands from the steering wheel.



## TRANSOM TRIM CONTROL - #TTC-1

This Transom Trim Control provides a weatherproof tilt control system at the stern area of the boat to facilitate placing motor support position with one person. Switch can also be used for remote adjustment of hydraulic jack plates. The switch housing is molded black plastic with raised white letters and may be mounted on any flat surface. Comes with 18" pigtail wire.

## FOOT TRIM - #HT-1

Floor mounted trim, a safety item in high performance bass boat accessories. Mounts in floor of boat under console allowing operator to trim engine with foot. Comes prewired with wiring instructions to connect it to existing trim wiring.



## SAF-T-STOP - #KS1

Safety Ignition Cut-Off Switch approved for all bass tournaments.

For all outboard, inboard/outboard, inboard, dual outboards, dual inboard/outboards, and dual inboard installations. Meets requirements of existing laws covering mandatory use of emergency stop switches. Extra long cloth-covered, self-retracting lanyard. Black matte finish for attractive appearance. Mounts in a 1-1/2" dia. hole. Overall dimensions of switch housing are 2-3/4" x 2" and requires 1-1/2" behind panel.

## PRO-TRIM - #PT1000 Single - #PT2000 Dual

Trim or jackplate control at your fingertips with a column-mounted switch that looks great in any console. You can keep your hands on the wheel and concentrate on driving. Bolts to most systems, including mechanical and hydraulic. All hardware included. Single-switch Pro-Trim 1000 mounts at 3 or 9 o'clock stalk positions. Dual switch shown.



## MARINE FOOT THROTTLE - #HF-1

For outboard and inboard engine applications. A safety feature adaptable to all high-performance boats.

Construction: All aluminum castings to reduce weight and resist corrosion. Stainless steel hardware and non-sticking Teflon or nylon bearing surfaces for trouble-free operation. A stainless steel spring returns engine to idle position when released. Included is a new toe clip for additional safety in extreme operating conditions. Provisions for additional return spring, if required. Uses standard control cables for easy hook-up. Mounts directly to floor of boat with four screws (not furnished). All these features combine to make driving your boat fun and safe.



## OPTIONAL FOOT THROTTLE SLIDE PLATE - #SP



Slide plate allows foot throttle to be moved back and forward to match leg length of driver. For instance, if foot throttle is mounted permanently in the most forward position for a six foot driver, then someone 5'6" or 5'8" drives the boat, he or she can't comfortably reach the foot throttle without sitting on the edge of the seat, which is not only inconvenient, but also unsafe.

## ADJUSTABLE-HEIGHT TRANSOM MOUNTED WATER PICK-UPS

(For outboards) - #1 Offshore #TWP-S #2 #TWP-90

- Adjustable height moveable pick-up tube. Allows exact setting for maximum results
- Square stainless steel pick-up for maximum volume and durability
- Two models to choose from: #1 Offshore model for straight transom and tunnel-type hulls, and #2 ninety-degree model for boats which have a recessed pad or stepped-in pad, as on most bass boats, runabouts, ski boats, etc.



## UNIVERSAL PITOT TUBE

- For pressure-driven speedometers up to 80MPH
- Automatic kick-up design helps prevent transom damage from submerged objects or trawling

## MERCURY HEAVY DUTY BEARING CARRIER - #MBC

For Mercury V-6 Outboard Lower Units. Right-hand shiftable, non-shiftable and counter-rotating

The Mercury Heavy Duty Bearing Carrier was designed to help eliminate the premature failure of the needle bearing design of the Mercury Marine Cruiser although the OEM design is perfectly fine for its originally intended use where the prop is constantly in the water all the way around; the increased desire for speed and high performance, however, put an extra strain on the OEM design and failure may result.

The unbalanced and eccentric loading of the prop shaft created by the use of surface piercing props in a surfacing condition is better stabilized and supported by the Mercury Heavy Duty Bearing Carrier.

The Mercury Heavy Duty Bearing Carrier is made of stainless steel for strength as well as corrosion resistance. It utilizes two special simple row ball-bearings held in place by two snap rings to positively retain them in the housing. The special prop shaft seal is also made with a stainless steel shell and is a double lip design.

The added strength and improved bearings allow high performance boats running at higher speeds and propeller RPM's to use surface piercing props running in a surfacing condition.

Available in 3 different sizes: 1-1/4", 1- 1/2" left hand, and 1-3/16"



## MERCURY TYPE AFTER-MARKET LIGHTWEIGHT REPLACEMENT COWLING

Complete S.S. bottom plate, bottom pan, and cowling, #MLC. Mercury after market cowling will fit 2.4 and 2.5 liter Mercury's. Not available for 3.0 liter.



## TORQUE TAMER - #TT

Tame that torque! Bob's Torque Tamer will straighten out the high speed steering pull that today's high-pitched propellers produce when running at high transom settings. The paddle-wheel flow produced by the submerged part of such a propeller when much of the top half is out of the water swings your motor sideways (to starboard for right-hand drivers) harder the faster you go. If stock steering tabs have been reset in an attempt to compensate at high speeds – which they can't do – they will tend to swing the motor oppositely at lower speeds. Bob's Torque Tamer redirects high-speed flow so you don't have to fight it to steer where you want to go, and the stock tabs are readily trimmed at your lowest transom setting to keep you straight as intended at low speeds. Install it easily at only a modest cost. You'll enjoy balanced steering without any speed loss, and you'll save your arms and temper in the bargain! Choose a hi-performance weld on one or a rivet on one.

## SKEG REPLACEMENT

- Aluminum alloy
- Pre-shaping makes skag ready for heliarcing into place, thus eliminating delays of grinding and shaping
- Field-proven design brings 75% time-saving installation
- Broken skag? Whether your skag is chipped or entirely gone, now you have a choice! Use a skag replacement, not a new lower unit.
- Installation also available.



## BLOW OUT RING

Blow out happens when the ratio of air to water surrounding the prop gets so great that the prop is no longer biting the water, in fact the prop is now trying to drive itself through air (or a relative vacuum). When blow out occurs, the prop will loose its bite in the water possibly causing a loose steering feeling or a violent right turn. The speed at which blow out can occur will vary depending on boat design, lower unit design, and prop design/pitch. A blow out ring helps to prevent this. Available for 2.0, 2.4, and 2.5 liter motors, (not available for 3.0 liter).





## ENGINE LOUVERS - #ELK

Don't hold back on letting your engine perform at its best. Let your engine breathe at full throttle. Stock covers often restrict the air intake to the engine. With this kit installed your engine will have the breathing potential and looks of a factory race cover. Louvers are made of polished stainless steel with stainless steel rivets, and measure 3-1/4" x 9-3/4". (1 pair per kit including rivets).

## LIFTING EYE

The Lifting Eye bolts onto flywheel with hardened bolts furnished. Lifts engine in a vertical position and allows one person to install motor.

LE-70 Johnson-Evinrude V-4 and V-6 1977 and newer  
LE-M Mercury Lifting Eye - All.



## THE TUNER - #MET (2.0L, 2.4L, 2.5L only)

Constructed of a one-piece Almag casting and machined and drilled for application for the Mercury V-6 engines, the tuner is designed to improve top end performance and allow your engine to breathe better, similar to what custom headers accomplish for an automobile engine. Not available for 3.0 Merc.

## MERCURY V-6 VELOCITY STACKS #MVS (2.0L, 2.4L, 2.5L only)

Increase air flow and performance. The air straightening effect created by the radics of the Venturi reduces turbulence (fogging) and improves air flow by approximately 10 CFM. Not available for 3 liter Merc.

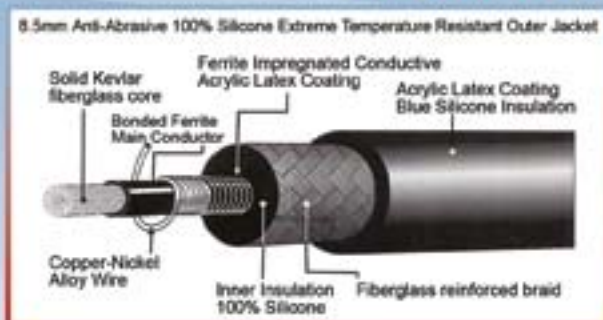


## TILT TUBES

Part #STT-1 7/8" OD for two-cylinder Mercury, Mariner, Nissan, Honda, Suzuki, OMC, and Chrysler with 7/8" OD.  
Part #STT-2 For 3, 4, and 6 cylinder OMC  
Part #STT-3 1.035 OD for 3, 4, and 6 cylinder Mercury and Mariner  
Part #STT-4 73-78 3 and 4 cylinder OMC  
Part #STT-Y For V4 and V6 Yamaha and Suzuki  
Part #STT-YN w/ welded nut



## BOBS HI-PERFORMANCE SPARK PLUG WIRES FOR MERCURY AND OMC V6 AND V4



**Call us for Custom Wire Sets!**

All spark plug connectors are 100% hi-temp, tight seal silicone boots with stainless steel non-corrosive snap-on units. Coil or distributor cap connectors are also 100% hi-temp silicone.

## HERE'S WHAT BOYESEN POWER REEDS CAN DO FOR YOUR OUTBOARD!

**Faster Starts!** No more sitting and cranking while the other guys are heading for your honey hole. With Boyesen Power Reeds, your outboard performs great from the instant you turn the key!

**Smoother Idle!** No more coughing, sputtering, and dying. Boyesen Power Reeds smooth out the rough spots and cure coughing outboards!

**Faster Hole Shot!** When you bury the throttle at blastoff time, your Boyesen-equipped outboard will leap into action and put you out in front of the pack!

**Smoother Trolling!** An outboard equipped with Boyesen Power Reeds will troll down to a heartbeat, allowing more precise bait or lure presentation!

**Increased Fuel Economy!** Because they're far more efficient than ordinary reeds, Boyesen Power Reeds can make your outboard up to 10% more fuel efficient!

**Increased RPM and Top-End!** Boyesen Power Reeds deliver a 100 to 300 rpm boost to your outboard, together with top-end performance designed to put you on the winning track!

## HERE'S HOW BOYESEN POWER REEDS WORK

Reeds are one-way valves controlling the amount of air/fuel mixture entering the crankcase of your outboard engine, then sealing it in to prevent it from escaping. Every two-cycle outboard has them. But the stock reeds in your outboard have a single-stage design that limits their efficiency. That's why stock outboards often cough and sputter at idle, fail to deliver a good hole shot, feel boggy or lifeless under throttle application, burn too much fuel or lack top-end punch. Plus, standard reeds are made of metal. Should one break, it could cause extensive damage to your outboard.

Boyesen Power Reeds are different...and better! They feature a patented dual-stage design allowing our reeds to respond instantly to any change in air/fuel flow as you accelerate or back off the throttle. The result? A dramatic increase in efficiency and performance across the entire power band, from start-up to flat out! Call or email for the appropriate application for your engine's model.



## DUAL PRO LIGHTNING SERIES BATTERIES



Charging Systems International is proud to introduce their Lightning Series Batteries. Working with battery engineers who collectively have over 100 years of experience in design, innovation and manufacturing, they have developed the most advanced AGM batteries ever offered in their class.

Manufactured in a new, ultra modern, state of the art facility, they use only the highest quality raw materials and advanced HPD (High Power Density) technology. This allows construction using multiple thin plates, high cell pack compression and extremely high chemical purity. This protects against self discharge, and increases overall product performance. These batteries are spill proof, leak proof and built to withstand severe vibration. They can be cycled over 400 times from complete discharge for maximum longevity.

If you want a series of batteries that are unmatched in quality, value, performance and efficiency, then look no further. With a reputation of delivering the absolute best products to market year after year, Lightning Series Batteries will exceed all of your expectations. All batteries are backed with 100% Dual Pro customer service.

### BATTERY SPECIFICATIONS

Battery	MCA	CCA	Reserve Capacity	Size	Weight
LS 2200	800 amps	630 amps	91 minutes	6.93"H X 6.5W X 7.87"L	34 lbs.
LS 2700	1100 amps	800 amps	175 minutes	6.93"H X 6.5W X 13"L	53 lbs.
LS 2400	1180 amps	930 amps	175 minutes	7.87"H X 6.81W X 10.27"L	53 lbs.
LS 3100	1500 amps	1200 amps	200 minutes	8.27"H X 6.81W X 13.43"L	69 lbs.

## AMAZING WATERPROOF BATTERY CHARGERS



### PRO CHARGER – PC1

Designed for boats with one 12 volt battery needing a periodic charge. Perfect for small aluminum boats or sail boats. This unit charges one battery automatically and safely. Waterproof design seals the unit in a Lexan cap. Mounts permanently in your boat. Ideal for cranking to trolling systems. Shuts off when battery is fully charged (no trickle charge). It then automatically monitors battery and only charges when necessary to keep your battery in peak condition. Perfect for overnight charging or long term storage. Has all the safety features of the famous Dual Pro Charger. Compact (6"H x 8"L x 6"W) and weighs less than 8 pounds. Three year warranty.

### DUAL PRO CHARGER – PC2

The most recognized battery charger on the market today. This charger has revolutionized the way anglers and serious boat owners charge their batteries. What was once a big hassle has now become the easiest thing about fishing preparation. Charges two batteries at once automatically and safely. Fully water proof design seals the unit in a Lexan cap to resist fresh and salt water corrosion. Mounts permanently in your boat. Charges two 12 volt batteries automatically and independently (ideal for 24 volt trolling systems). Shuts off when batteries are fully charged (no trickle charge). Then it automatically monitors batteries and only charges when necessary to keep batteries in peak condition. Perfect for overnight or long term storage. A must for Bass and Walleye boats or any boat that needs 12 volt batteries charged. Safety features include reverse polarity and short circuit protection, current limitation and a unique temperature sensor that allows proper charge even during extreme hot or cold climates. Compact (6"H x 9"L x 6"W) and weighs less than 15 pounds. Three year manufacturer's warranty.

### THREE BANK PRO CHARGER – PC3

Called by many the big brother to the Dual Pro Charger. Just as the Dual Pro was becoming popular, some of our customers wanted a system for all three batteries. Anyone who runs accessories off their main motor will love this charger. It charges three batteries at once automatically and safely. Also waterproof and sealed in a Lexan cap. Mounts permanently in your boat. Charges three 12 volt batteries automatically and independently. Has three separate state-of-charge display indicators (ideal for 36 volt trolling systems). Shuts off when batteries are fully charged (no trickle charge). Then it automatically monitors batteries and only charges when necessary to keep batteries in peak condition. Perfect for overnight charging or long term storage. Safety features include reverse polarity and short circuit protection, current limitation and a unique temperature sensor. Compact (6" H x 12"L x 6"W) and weighs less than 22 pounds. Three year manufacturer's warranty.

### ONBOARD CHARGER INLET

Available as an option.



## CONSTRUCTION STARBOARD DOOR AND FRAME WITH STAINLESS STEEL AND PIANO HINGE AND PLANO TYPE BOXES

**Tackle Box with two removable compartments - #2D.** 9-7/8" tall x 17-1/8" wide x 9-3/8" deep. Opening needed: 8-1/5"x15.5"x9.5". Colors available: Ivory, black, light grey.

**With side storage box compartments - #2DS (Not shown).** 8-3/4" tall x 19-3/4" wide x 7-3/4" deep. Opening needed: 7"x17-3/4"x7-3/4"

**Tackle Box with four removable compartments – Large or Small**

**Large - #4DL.** 14-3/4" tall x 17-1/8" wide x 9-3/8" deep. Opening needed: 13-1/4"x15-5/8"x9-3/8". Colors available: Ivory, black, light grey

**Small - #4DS.** 13-1/2" tall x 14-1/2" wide x 8-1/2" deep. Opening needed: 11-3/4"x12-3/4"x8-1/2". Colors available: Ivory, black, light grey.



## GAUGES

- Available in either black or white with contrasting graphics.
- Black or white high-profile bezel and retainer
- Both US and metric scales, with ISO symbols
- Great replacement for other "blue-line" gauges
- Vivid, easy to read pointer
- Perimeter lighting for easy readability at night
- Scratch resistant glass lenses

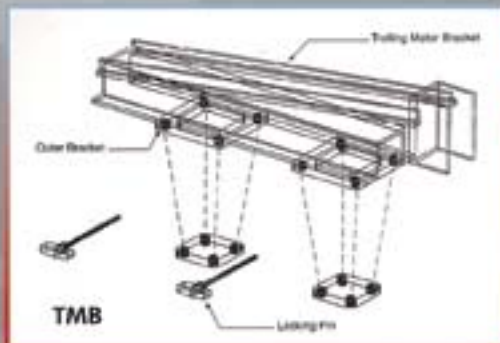
Call for information on gauges not listed.

## DUAL HEAD PYROMETER

Comes in a complete kit including thermo couplers and lead wires. Adaptable to most outboards used to measure exhaust gas temperature. Part #PDK – Dual Head Pyro. Available in 2" or 3".

## FOOTCUSH

This unique Patented cushioned deck mat is for all types of boats and it will reduce lower body fatigue of feet, knees and back. It's made of non-absorbent Ensolite closed cell foam, coated in a white vinyl finish with a textured standing surface. Soft enough to ease standing on a hard deck yet firm enough to absorb the vibrations and shock of pounding waves. This salt-water and weather resistant mat is also very buoyant. Available in two sizes to accommodate any type of boat and comes with stainless steel snaps for your option to secure in place.



## QUICK RELEASE TROLLING MOTOR BRACKET #TMB

- Design for easy and fast removal of trolling motor. Just pull two locking pins and remove motor.
- Adaptable to most any trolling motor
- Optional inner bracket pads available (to slow and secure motor in out of way place).

Tech line: 813.247.7040

[www.bobsmachine.com](http://www.bobsmachine.com)

Sales: 1.800.966.3493



## CORROSION X



- Kills corrosion on contact
- Prevents rust and corrosion from starting
- Quickly penetrates and loosens seized parts
- Long lasting lubricating qualities
- Protects electronic equipment from moisture

### How does Corrosion X work?

Corrosion X penetrates corrosion cells, emulsifies the moisture, separates it from the metal, and stops electro-activity. Corrosion X leaves an ultra-thin atmospheric barrier to protect the metal from further damage. Long lasting lubrication for lock, hinges, deck hardware, controls, bearings, pulleys, electric motors, hatches, windlasses, throttle cables, steering cables, starters, chain drives, fishing reels, downriggers, and winches. Available in 6 & 16 oz. spray can.

Part #CX16 Corrosion X 16 oz. Part #CX6 Corrosion X 6 oz



## EASY-STEER CABLE GREASE NUT

- Seals out water and corrosion
- Fits all models and sizes of outboard motors
- Anodized
- Lifetime warranty

Part #CM-1 Fits 4-6 cylinder Mercury and Mariner

Part #CM-2 Fits Nissan-Yamaha-Suzuki-Evinrude-Johnson-Tohatsu-Chrysler-Mercury and Mariner (with 7/8" threads).



## EPOXY PUTTY

Two component liquid epoxy. Excellent glue for wood, fiberglass, styrofoam, concrete and metal surfaces. Dries tack free in 1 to 2 hours at 70°F, full cure 72 hours. Contains two 16 oz. (1 pint) cans. Part #EK.

## ELECTRI-GUARD - #EG1

Electri-Guard prevents corrosion on all electrical connections on boats, cars, RV's exposed to marine/road salt or corrosive environments. Its "Brush-in-Cap" applicator makes applying it a snap!

Electri-Guard is a non-conducting formula which provides a protective barrier between corrosive environments and your electrical connections. It is long-lasting, keeping your connections corrosion-free for over 12 months.

Electri-Guard has been tested safe for use on Radios/GPS or Loran antenna connections as well as all transducer connections.



## PRI-G COMPLETE GAS TREATMENT



PRI-G is a super concentrated, complete fuel treatment that improves any type of gasoline, enabling it to perform to maximum potential. 8oz., Pint, and Quart sizes available.

PRI-G's industrial strength, enhanced thermal stability chemistry reacts with fuel upon contact and provides multiple benefits:

- Engines perform better and last longer
- Engine power is increased and fuel economy realized
- Fuel stays fresh and ready to use
- Hesitation, knocking, and pinging reduced.

**Improved Engine Performance** – PRI-G works chemically within diesel fuel to improve the combustion process. Improved combustion means improved engine performance. You will realize increased power from your engine. At the same time, you will enjoy greater fuel economy. PRI-G reduces the hesitation, knocking, and pinging that is common in gasoline engines. It is also extremely effective at cutting harmful emissions. Smog tests are no longer a challenge.

**Reduced Maintenance Costs** – PRI-G's proprietary, refinery-grade chemistry is unsurpassed at preventing carbon deposits and fuel system fouling. Your engine will remain cleaner and last longer, which means maintenance costs are significantly reduced. Keep your car, boat, or RV in great shape for years to come!



## 20W-20 NON DETERGENT MOTOR OIL

For use with the jack plates hydraulic system.



## VALVTECT MARINE MOTOR DE-CARB

Removes carbon, gum and varnish, frees sticky rings, restores power and acceleration, prolongs engine life™  
 "Specifically formulated to remove carbon deposits which cause poor performance and power head failure. Use every 50 hours for best results. Good for all 2 and 4 cycle engines.

## COMPLETE WATER PUMP KITS

And service kits for Mariner, Mercury, Yamaha, and Evinrude & Johnson.



### MARINER

HP/Model	Serial #	Comp Kit	SVC Kit	IMP
70 (4 Cyl)	2361992-6426680	1115	057	002
75 (4 Cyl)	6422901 & Later	*	091	001
75 (4 Cyl)	6APP6142 & Later	—	1811	1814
80 (4 Cyl)	4842729-6422900	*	091	001
85 (4 Cyl)	4721896-4842728	*	091	001
90 (4 Cyl)	5209951 & Later	—	091	001
90 (4 Cyl)	6APP6142 & Later	—	1811	1814
100 (4 Cyl)	9820948 & Later	—	1811	1814
115 (4 Cyl)	4865178 & Later	*	091	001
115 (4 Cyl)	0C100000 & Later	—	1811	1814
125 (4 Cyl)	0038222 & Later	—	1811	1814
140 (6 Cyl)	5088444 & Later	—	091	001
V-125	5070444 & Later	048	091	001
V-150	560012-0A70444	*	091	001
V-150	A904646 & Later	048	091	001
V-175	5190443-6618730	*	091	001
V-175	6618731 & Later	048	091	001
V-200	5624878-6625220	*	091	001
V-200	6625221 & Later	048	091	001
V-220	8117316 & Later	048	091	001
225/250	002802813 & Later	—	—	1814
MA60 II	8242885 & Later	048	091	001
MA60 II	8082000 & Later	048	091	001

### MERCURY

HP/Model	Serial #	Comp Kit	SVC Kit	IMP
70	1413611-1566239	—	—	001
70	4571652-4977156	1115	057	002
70	4977157-443-8680	1115	057	002
70	A996142 & Later	—	1181	1814
70	8240451 & Later	*	091	001
75 (4 Cyl)	6422901 & Later	—	1811	1814
75	C229000-0282221	—	—	001
80	1335465-1398629	—	—	001
80	1398630-1566239	—	091	001
80	2529901-3492912	—	091	001
80	4831999-6422900	*	091	001
80	A996142 & Later	—	1811	1814
80	8240451 & Later	—	1811	1814
85	3492913-4366801	—	—	001
85/85L	4366802-4821998	—	091	001
85/85L	4590513-6821998	*	091	001
90	1766824-1847775	—	091	001
90 (4 Cyl)	4845301-5299555	—	—	001
90	A996142 & Later	—	1811	1814
90	8240451 & Later	—	1811	1814
90	C22000-0282221	—	1811	1814
95	1867776-2318585	—	—	001
100	1464949-1768403	—	—	001
100	1768404-2318585	—	—	001
100	2318586-2834108	—	—	001
100	8209468-0282221	—	1811	1814
110	1870204-2314955	—	091	001
115	2836019-2155440	—	091	001
115	C100000-00809368	—	1811	1814
125	2314956-2834368	—	091	001
125	2834369-3292322	—	091	001
135	A904646 & Later	*	091	001
140	2292234-3502805	—	091	001
140	4865678-5227842	*	091	001
150	3502806-4865677	*	091	001
150	4869998-A904646	*	091	001
150	A904646 & Later	*	091	001
175	4201235-6618730	*	091	001
175	6618731 & Later	*	091	001
200	4829034-6625220	*	091	001
200	6625221 & Later	*	091	001
220	8117316 & Later	*	091	001
225	5628028 & Later	*	091	001
2.4 HP	All	*	091	001
MC60 VP	All	*	091	001
XX-4	8242885 & Later	*	091	001

\*90 Sely Kit Plus Applicable Base is Equivalent to Complete Kit. If there is a product you are looking for that is not on our list, please give us a call. We may be able to get it for you.

### EVINRUDE & JOHNSON

HP	Years	Comp Kit	SVC Kit	IMP
40 CDMM	1985-85	—	—	—
40	1985-85	1824	1825	1920
40	1986-88	1990	—	1922
40	1989-96	—	1917	2028
40 CDMM	1989-90	—	—	—
45	1993-94	1990	—	1922
48	1987-88	1990	—	1922
48	1989-96	—	1917	2028
50	1975-75	—	1824	1919
50	1979-85	1824	1825	1920
50	1986-88	1990	—	1922
50	1989-95	—	1917	2028
55	1988-89	—	—	1877
55 CDMM	1993-94	1990	—	1922
60	1975-71	—	—	1877
60	1986-94	1873	—	1750
60 50T	1989	1873	—	1750
65	1972-73	—	—	1877
65 CDMM	1984-94	1873	—	1750
65 JET	1994	013	—	010
70	1974-78	—	1875	1877
70	1979-94	1873	—	1750
75	1977-88	1873	—	1750
1.4L Seadrives (H)	1982-94	013	—	1750
80 JET	1993-96	013	—	010
85	1967-72	—	—	010
85	1973-77	—	—	009
85 (23T)	1977	095	—	008
85	1978-81	095	—	008
85 TTL	1993-95	013	—	008
88	1987-96	013	—	010
90 (2)	1982-87	013	—	010
100	1971-72	—	—	010
100	1979-87	013	—	009
100 CDMM	1984-87	013	—	010
105 JET	1994-97	013	—	010
110	1986-88	013	—	010
112	1994-96	013	—	010
115	1989	095	—	008
115 (2)	1979-87	013	—	010
120 (2)	1985-84	013	—	010
125	1971-72	—	—	009
125	1994-95	013 (2)	—	010
130	1994-97	013 (2)	—	010
135	1973-76	—	—	008
140	1977-78	095	—	008
140 (2)	1979-84	013	—	010
150	1976-78	095	—	008
150	1979-87	013 (2)	—	010
155 (2)	1984-Later	013	—	010
175	1976-78	095	—	008
175	1979-87	013 (2)	—	010
185	1984-94	013 (2)	—	010
200	1976-78	095	—	008
200	1979-87	013 (2)	—	010
225	1986-87	013 (2)	—	010
225	1976-78	095	—	008
225	1979-85	013	—	010
2.3K Seadrives	1982-94	013	—	010
250	1993-95	013 (2)	—	010
273 (2)	1985-Later	013	—	010
300/3.6L	1985-94	013 (2)	—	010

If there is a product you are looking for that is not on our list, please give us a call. We may be able to get it for you.

**BOB'S MACHINE SHOP****Golf Shirts**

Golf shirts are available in sizes LG, XL, XXL, and 3X.  
Available in tan, white, navy, or black.

**T-shirts**

Tee-shirts are available in light blue or white.  
Sizes Medium, LG, and XL.

**Hats**

Hats are one size fits all.  
Available in black, navy, tan, camo, or olive.

**Decals**

Decals available in 16", 5" and 2 1/2".

