

TURNING POINT[®] **PROPELLERS**



Propellers Made for Coleman[®] Evinrude[®] Honda[®] Johnson[®] Mariner[®] Mercury[®] MerCruiser[®] Nissan[®] OMC[®] Parsun[®] Suzuki[®] Tohatsu[®] Volvo Penta[®] & Yamaha[®] Applications

Run FASTER • Pull HARDER • Handle BETTER



**WANT SOMETHING
BETTER THAN THE
OEM PROPELLER?**



QUICK REFERENCE GUIDE

Product Info • Prop Selection • Part List • Crossover Info

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 Springfield, OH 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

How Does Turning Point Design Industry Leading Performance Propellers?

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.



11762 Marco Beach Drive STE. 2
Jacksonville, FL 32224
United States

Office Hours: 9am-5pm ET M-F
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

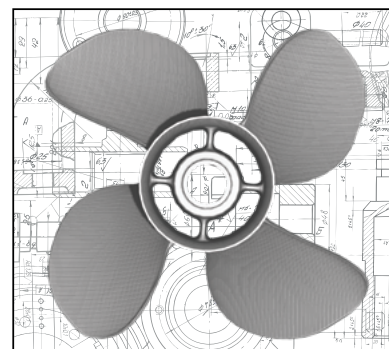
Email: sales@turningpointpropellers.com
Web: www.turningpointpropellers.com

TURNING POINT PROPELLERS BRANDS

ALUMINUM PROPELLERS
6-300+hp



STAINLESS STEEL PROPELLERS
20-300+hp (includes 9.9-15CT)



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.

Excellence In Leading Edge Manufacturing

Industry 4.0 Manufacturing Used to Build World Class Products

HIGHLY AUTOMATED

CORPORATE OWNED PLANTS

ROBOTIC CASTING

INDUSTRY LEADING PROP TO PROP CONSISTENCY

ROBOTIC FINISHING

1st	2nd	3rd	4th
Mechanization, water power, steam power	Mass production, assembly line, electricity	Computer and automation	Cyber Physical Systems

NO FASTER PROP ON THE WATER

Run FASTER • Pull HARDER • Handle BETTER

Want Something Better Than The OEM Prop?

Industry Leading Manufacturer of Aluminum and Stainless Steel Pleasure Boat Propellers

COMPANY OVERVIEW AND PRODUCT INFO

CROSSOVER INFO

PROPELLER SELECTION

ENGINE/DRIVE APPLICATION DATA

PROPELLER HOUSING & HUB KIT PARTS

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ENGINE/DRIVE APPLICATION DATA

PROPELLER HOUSING & HUB KIT PARTS

Turning Point Propellers Features and Benefits (Con't)

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.

TURNING POINT SQUEEZE CAST TECHNOLOGY:

- 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.

COMPETITIVE DIE-CAST TECHNOLOGY:

- 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.

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.

Vented Propellers for 40-300+hp Engines (17+ Pitch Props 4.75" & 4.25" Gearcases)

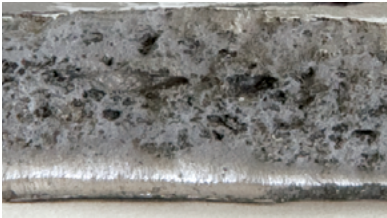
- Hustler Aluminum & Express Stainless Steel Housings Have Vented Barrels for Fast Hole Shot/Low End Acceleration.
- Turning Point is still the only manufacture using this race proven technique in aluminum props.
- Wake-Boarders & water skiers get up out of the water faster!

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.



Turning Point Squeeze Cast Blade



Competitive Die-Cast Blade



24 Hour Slurry Test: Minimal Wear! TP Exclusive Process



Vented Propeller



Example of Headers

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 Performance! 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

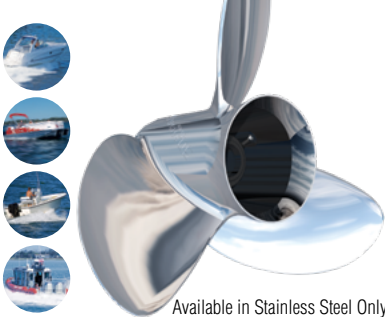


Also available in aluminum

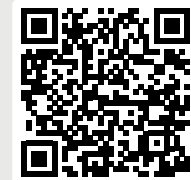
Dual Geometry, 150-300+hp w/ 4.75" Gearcase



Also available in aluminum



Available in Stainless Steel Only



GET A FREE DIAMETER & PITCH RECOMMENDATION TODAY

Visit us on the web at:
<https://turningpointpropellers.com/PROPWIZARD>

Next Generation Hub Kit Solutions

From the Classic MasterGuard Lifetime Warranty Hub Kits to More Specialized Designs, Turning Point Leads The Way in Innovative Solutions

INSTALLATION KIT APPLICATION GUIDE

Turning Point Hub Kit Brands	Sub Brands	Specialized Solution	HP Gearcase	Engine Brands	Hub Kit Series	Aluminum Propellers	Stainless Steel Propellers (under 200hp)	Stainless Steel Propellers (200+hp)	Material Surface	Material Spindle	Spindle Length	Warranty
MasterGuard	Classic	General Use	6-300+hp 2.5" to 4.75"	Most	10, 20, 200 & 500	✓	✓		Nylon/Glass Filled	Marine Bronze	Half	Lifetime
MasterGuard	Super Duty	200+hp with Stainless Steel Props	200-300+hp 4.75"	Most	700			✓	Nylon/Glass Filled	Marine Bronze	Full	Lifetime
MasterTorq	SDH (Sound Dampening Hub)	Shift Dog Noise (for noisy lower units)	40CT-300+hp 4.25" to 4.75"	Yamaha® & Mercury®	800		✓	✓	Rubber	Marine Bronze	Full	1 year
MasterTorq	FSH (Fat Shaft Hub)	1.25" Prop Shafts (Solid Hub Kit)	150-400+hp 5.25" to 5.44"	Mercury®	621	✓	✓	✓	Stainless / Cushioned Inserts	Stainless Steel	Full	1 year
Compatible Turning Point Prop Housing Brands Note: 500, 621, 700, 800 Hub Kit Series are also Compatible & Interchangeable with Competitors' Hub & Prop Systems. Works with Mercury® Flo-Torq®, Michigan Wheel® XHS®, Solas® Rubex® hubs & prop housings.						Hustler	Express: Mach3, Mach3 OS & Mach4					



DESIGNED TO KEEP A GREAT BOAT GOING

Friends Don't Let Friends Use Pressed-In Rubber Hubs
Have you ever spun a propeller hub, how did you feel?
Avoid Being Stranded with Turning Point Propellers' exclusive LifeTime Warranty MasterGuard hubs.

MasterGuard Classic and Super Duty

The Last Hub You Will Have To Buy - Engineered To Not Let You Down

- MasterGuard Classic (10, 20, 200, & 500 series) and Super Duty (700 series) Installation/Hub Kits carry the only "no questions asked" Lifetime Warranty in the WORLD! For recreational boaters there are no warranty restrictions except if used for commercial applications (1 year) or extreme use.
- Warrantied even if the prop is destroyed!
- Warrantied even if used in competitive prop housing (Mercury, Michigan Wheel, Solas).
- One Piece Design: Durable Marine Bronze with Over Molded Glass Filled Nylon for Long Life.
- Re-useable after a Prop Strike.
- Enhanced lower unit protection.
- Propeller hub kit and prop housing are sold separately.

*Warranty terms & conditions visit <http://tpprops.com/warranty>

MasterGuard Super Duty Hub for High Horsepower Outboards and Sterndrives

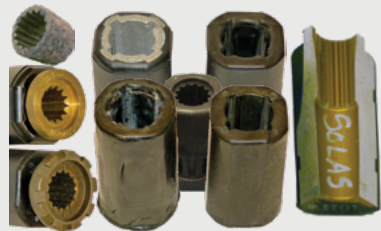
- For more demanding applications with 200+hp engines running stainless steel propellers, use the rugged 700 Series Super Duty Kit.
- Turning Point doubled the internal bearing surfaces, substantially increasing hub strength. Improving the shock and stress absorption capacity of the Super Duty Kits on high horsepower installations
- The New MasterGuard Super Duty Installation/Hub Kit utilizes the same tried and true materials and geometry we have perfected for the last 20+ years in our Classic hub kits. *"The Super Duty Kit is like our Classic hub kit on steroids."*



Competitive Hub Kits Currently In The Market

Observations Seen In The Field

- 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. How many aluminum prop nuts are sold a year?
- Competitors Two Piece Hub Systems corrode, have corner breakout shift-shock damage, spin out, body failure in aluminum propellers, plastic splines.



Competitive Hubs Currently In The Market (Not Turning Point Hubs)



NEW

800 SERIES



For 40CT-300+hp Applications Running Stainless Steel Propellers (works w/ Aluminum too)

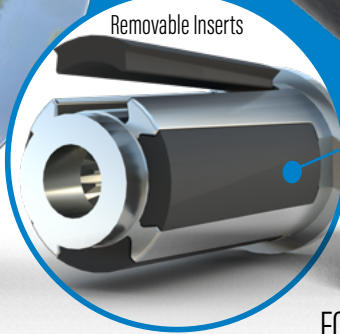
New Shift Sound & Vibration Dampening Hybrid Hub System

- MasterTorq Sound Dampening Hub (SDH) 800 Series (US Patent #11,299,246) Installation Kits resolve Shift Dog Noise issues inherent in Yamaha and some Mercury 4.25" and 4.75" gearcase outboard applications.
 - An ideal solution for the Yamaha Shift Dampener System (SDS)
- Intended for use with stainless steel propellers but also works with aluminum propellers too (Shift Dog Noise is rarely an issue when using aluminum propellers).
- SDH next generation hybrid technology blends the best attributes of traditional pressed-in rubber hubs with the design characteristics of advanced drop-in hubs to solve noise and vibration issues. This is achieved through the following innovative technology:
 - Rubber exterior surface over staggered ribs micro flex points on a marine grade brass spindle.
 - Noise Isolation Technology accomplished with a new prop nut spacer works in conjunction with a new spindle to reduce friction points.
- SDH offers all the benefits of our MasterGuard Classic and Super Duty hub kits plus the added benefit of resolving sound and vibration issues.
 - Only exception is the SDH has a one year warranty without free replacement instead of a lifetime free replacement warranty. Though the SDH is likely to last a lifetime barring a catastrophic prop strike.
- SDH hub kit boxes include green accent coloration to differentiate it from other kits.
- 1 Year Limited Warranty



NEW

600 SERIES



150-400+hp with 4.75-5.44" Gearcases Running Stainless Steel Props (works w/ Aluminum too)

For Big Engines with Big Prop Shafts

- MasterTorq Fat Shaft Hub (FSH) 600 Series (Patent Pending) Installation Kit for Mercury Verado and ProXS outboards with an 1.25" shaft.
 - Now customers can rig these applications with sought-after high performance Turning Point propellers!
- For use with stainless steel and aluminum propellers
- Uses a drop in hub system that fits in the propeller housing cavity just like all other Turning Point hubs.
 - Easy to install/remove with hammer, no hub press machine needed like some of the competition
- Has unique cushioned inserts that fit into an extreme duty solid stainless steel spindle that provides an opportunity to last longer, even a lifetime compared to the competition.
 - Low cost replacement cushioned inserts are available in the event they ware out
 - Competitive designs require the costly replacement of the entire hub system in the event of damage.
- Includes a one year warranty for material and workmanship, though may very well last a lifetime with low cost cushioned inserts replacement if necessary.
 - Does not have a free replacement or lifetime warranty like the MasterGuard Classic and Super Duty hub kits.
- FSH hub kit boxes include red accent coloration to differentiate it from other kits.
- 1 Year Limited Warranty



Prop Finding Tools

Multiple Ways To Find The Right Prop

Lowest Inventory Cost In the Industry

To Cover The Most Manufacturers, Drives, and Engine Sizes

Turning Point Propeller Selection Assets

Prop Wizard Makes Every Dealer A Prop Expert

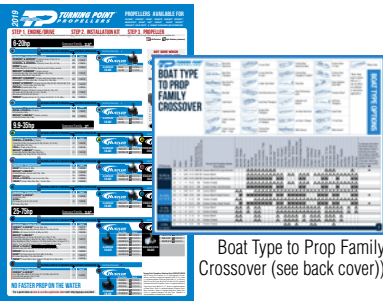
- Online Tool (<https://tpprops.com/PROPWIZARD>): Any dealer associate can access it on Turning Point's website or Prop Wizard can easily be embedded into the Dealership's website for use as if it was their own tool. It uses a database of 300,000 boats and over 7,500 engine combinations to calculate 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

OEM and Aftermarket Part Number Crossover to Turning Point

- Available in a spreadsheet version for Mercury®, Suzuki®, Yamaha®, Quicksilver®, Michigan Wheel®, Solas® and more. Look up an exact part to get the equivalent Turning Point item. See QR code on the next page.
- Also available online within Prop Wizard's more prop finding tools tab.

Boat Type to Prop Family Crossover (See back cover of this booklet)

- A compilation of key resources that quickly assist dealers in selling Turning Point
- About Turning Point Propellers – features and benefits
- Propeller Selection Chart

Sample/Demo Propeller Performance Test Form

- For the situations where a Dealer is rigging new boat or trying a Turning Point prop for the first time, Dealers and Sales now have access to Turning Point's comprehensive test form.
- Allows testing parties to accurately test and easily compare propeller performance.
- This form is required to be filled out and returned to Turning Point Required for every demo or sample prop given out in the field.



Propeller Performance Test Form



REQUEST LITERATURE TODAY
Scan QR code above or visit
<https://tpprops.com/literature>

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, pricing subject to change without notice)
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 <https://tpprops.com/exchange>.



11762 Marco Beach Drive STE. 2
Jacksonville, FL 32224
United States

Phone: +1 904-900-7739
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Press (4) for Sales, Marketing, & Training

Email: sales@tpprops.com
Web: www.turningpointpropellers.com

How To Reduce Inventory By up to 90%

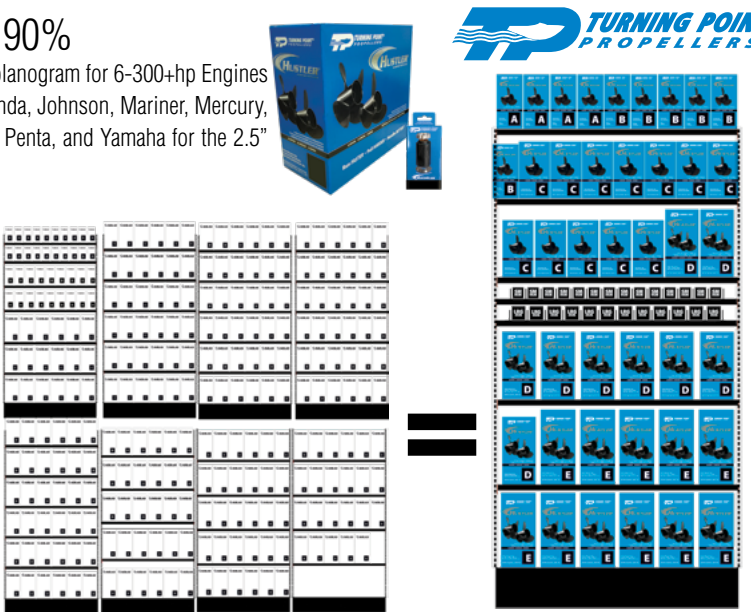
We are the only manufacturer that offers a 4 foot aluminum planogram for 6-300-hp Engines that covers every manufacturer from Coleman, Evinrude, Honda, Johnson, Mariner, Mercury, MerCruiser, Nissan, OMC, Parsun, Suzuki, Tohatsu, Volvo Penta, and Yamaha for the 2.5" to 4.75" Gearcase.

Turning Point 4 Foot Aluminum Plan-O-Gram

- 26 Installation/Hub Kits
- 48 Propellers (3 & 4 blades, Left & Right Rotation)
- \$3000est. Dealer Cost.

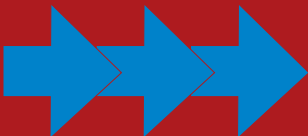
Compared to A Rubber Hub Program

- OEM/Solas/Michigan Wheel Rubber Hub Set has 389 Propellers:



UPGRADE A BRANDED PROPELLER TO A TURNING POINT TODAY

Manufacturer	Material	Blades	OEM & Aftermarket Brands	Turning Point Brand
BRP®, Evinrude®, Johnson®	AL	3	Aluminum (3BL)	Hustler - 3 Blade
BRP®, Evinrude®, Johnson®	AL	4	Aluminum (4BL)	Hustler - 4 Blade
BRP®, Evinrude®, Johnson®	SS	3	Raker II®	Express Mach3 - 3 Blade
BRP®, Evinrude®, Johnson®	SS	4	Cyclone TBX®, Rough®	Express Mach4 - 4 Blade
BRP®, Evinrude®, Johnson®	SS	3	Rebel TBX®, SSP-TBX®	Express Mach3 OS - 3 Blade (Large Diameter)
Honda®	AL	3	Aluminum, Honda® by Solas®	Hustler - 3 Blade
Honda®	AL	4	Aluminum, Honda® by Solas®	Hustler - 4 Blade
Honda®	SS	3	Honda® by Turbo®, New Saturn®, Saturn®	Express Mach3 - 3 Blade
Honda®	SS	4	Honda® by Turbo®, HR Titan 4®	Express Mach4 - 4 Blade
Honda®	SS	3	Lexor®, OFS®	Express Mach3 OS - 3 Blade (Large Diameter)
Mercury®	AL	3	Black Max®	Hustler - 3 Blade
Mercury®	AL	4	Spitfire®	Hustler - 4 Blade
Mercury®	SS	3	Laser®, Laser II®, Vegence®	Express Mach3 - 3 Blade
Mercury®	SS	4	Mirage® (3BL), Spitfire SX®	Express Mach4 - 4 Blade
Mercury®	SS	3	Enertia®, Enertia ECO®	Express Mach3 OS - 3 Blade (Large Diameter)
Michigan Wheel®	AL	3	Match®, Vortex®	Hustler - 3 Blade
Michigan Wheel®	AL	4	Vortex®	Hustler - 4 Blade
Michigan Wheel®	SS	3	Apollo®, Ballistic®	Express Mach3 - 3 Blade
Michigan Wheel®	SS	4	Apollo®	Express Mach4 - 4 Blade
Michigan Wheel®	SS	3	Apollo® (LD)	Express Mach3 OS - 3 Blade (Large Diameter)
Quicksilver®	AL	3	Black Diamond®	Hustler - 3 Blade
Quicksilver®	AL	4	Black Diamond XT®, Nemesis®	Hustler - 4 Blade
Quicksilver®	SS	3	Lightspeed®, Q3®, Silverado®	Express Mach3 - 3 Blade
Quicksilver®	SS	4	Black Diamond®, Q4®	Express Mach4 - 4 Blade
Quicksilver®	SS	3	Thunderbolt®	Express Mach3 OS - 3 Blade (Large Diameter)
Solas®	AL	3	Amita 3®, Rubex 3®	Hustler - 3 Blade
Solas®	AL	4	Amita 4®, Rubex 4®	Hustler - 4 Blade
Solas®	SS	3	Hydro®, New Saturn®, Rubex HR3® & NS3®, Saturn®	Express Mach3 - 3 Blade
Solas®	SS	4	HR Titan 4®, Rubex C4® & HR4®, Titan 4®	Express Mach4 - 4 Blade
Solas®	SS	3	Lexor®, Lexor Plus®, Rubex L3 Plus®	Express Mach3 OS - 3 Blade (Large Diameter)
Volvo Penta®	AL	3	Aluminum, SX 3®	Hustler - 3 Blade
Volvo Penta®	AL	4	Aluminum, SP® Drives 200-290	Hustler - 4 Blade
Volvo Penta®	SS	3	Stainless Steel, SX 3®	Express Mach3 - 3 Blade
Volvo Penta®	SS	4	Stainless Steel, SP® Drives 200-290	Express Mach4 - 4 Blade
Yamaha®	AL	3	Aluminum, Talon®, Talon GP® & SDS®	Hustler - 3 Blade
Yamaha®	SS	3	Performance 3® & XT®, Pro Series®, Reliance®, Talon®, Talon SS®	Express Mach3 - 3 Blade
Yamaha®	SS	4	Saltwater Series HS4® & XL4®	Express Mach4 - 4 Blade
Yamaha®	SS	3	Saltwater Series II® (Drop down 2in of Pitch for TP Prop) & XL®	Express Mach3 OS - 3 Blade (Large Diameter)



SCAN NOW to Access: OEM & Aftermarket
Part Number Crossover to Turning Point Data

Scan the QR code to the left or visit <https://turningpointpropellers.com/xref>

6-35HP PROPELLER SELECTION CHART

*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.

WANT A DIAMETER AND PITCH RECOMMENDATION?



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)

AN INSTALLATION KIT IS REQUIRED

MasterGuard Kits include a Lifetime Warranty

FOR PROPS LISTED TO THE RIGHT



Engine Brand - Various Splined Prop Shafts

Engine Brand - Various Splined Prop Shafts	Kit	Part #
EVINRUDE® & JOHNSON®: (13 spline) 2 stroke ('74-'95): 9.9, 15 4 stroke: 8hp ('96+), 9.9hp ('95-'01), 15hp ('95+)	202	11100201
EVINRUDE® & JOHNSON®: (10 spline) 4 stroke ('02+): 9.9, 15hp	206	11100601
HONDA®: (8 spline) BF 4 Stroke: 8hp ('01+) / 9.9, 15, 20hp. Note: Does not fit 8 Classic, pin drive.	205	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
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
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
PARSUN®: (8 spline) 9.9hp, 15hp	205	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
YAMAHA®: (8 spline) 2 stroke: 9.9, 15 / 4 stroke: 9.9 ('00-'07), 15, 15C, 20hp	205	11100501



HUSTLER® ALUMINUM PROPELLERS

ALUMINUM 3BLADE Series: R4

Dia x Pitch	Part #
9 x 9	21100910
9 x 10	21101010



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<http://tpprops.com/propwizard>

or Call Propeller Support at: +1-904-900-7739 x1
Office Hours M-F 9-5pm ET

AN INSTALLATION KIT IS REQUIRED

MasterGuard Kits include a Lifetime Warranty

FOR PROPS LISTED TO THE RIGHT



Engine Brand - 12 Spline Prop Shaft

Engine Brand - 12 Spline Prop Shaft	Kit	Part #
NISSAN® & TOHATSU®: (12 spline) 2 & 4 stroke: 8hp, 9.8hp	208	11100801
MERCURY® & MARINER®: (12 spline, cotter pin) 4 stroke ('05 & newer): 8hp, 9.9hp	208	11100801



HUSTLER® ALUMINUM PROPELLERS

ALUMINUM 3BLADE Series: R5

Dia x Pitch	Part #
9 x 9	21110910
9 x 10	21111010



LIST \$000.00

LIFETIME WARRANTY HUB SYSTEMS FOR ENGINES/DRIVES FROM 6-300+hp

- Reduce prop replacement cost by up to 33%.
- 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



AN INSTALLATION KIT IS REQUIRED

MasterGuard Kits include a Lifetime Warranty

FOR PROPS LISTED TO THE RIGHT



Engine Brand - Various Splined Prop Shafts

Engine Brand - Various Splined Prop Shafts	Kit	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
FORCE®: (10 spline) 25hp ('95-'98)	21	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



HUSTLER® ALUMINUM PROPELLERS

ALUMINUM 3BLADE Series: R1

Dia x Pitch	Part #
10.5 x 11	21201110
10.125 x 13	21201310



EXPRESS® MACH3 STAINLESS STEEL PROPELLERS

STAINLESS STEEL 3BLADE Series: EX1

Dia x Pitch	Part #
10.5 X 11	31201111
10.125 X 13	31201311



AN INSTALLATION KIT IS REQUIRED

MasterGuard Kits include a Lifetime Warranty

FOR PROPS LISTED TO THE RIGHT



Engine Brand - 10 Spline Prop Shaft

Engine Brand - 10 Spline Prop Shaft	Kit	Part #
HONDA®: BF 4 Stroke: 25, 30hp	28	11200800
MERCURY® & MARINER®: 4 stroke ('06 & newer, cotter pin shaft): 25hp, 30hp	28	11200800
PARSUN®: 20hp, 25hp	25	11200500
NISSAN® & TOHATSU®: 2 and 4 stroke: 25hp, 30hp	28	11200800
YAMAHA®: 2 stroke: 20hp, 25hp, 30hp / 4 stroke: 25hp	25	11200500



HUSTLER® ALUMINUM PROPELLERS

ALUMINUM 3BLADE Series: R2

Dia x Pitch	Part #
10.375 x 11	21211110
10.375 x 13	21211310



EXPRESS® MACH3 STAINLESS STEEL PROPELLERS

STAINLESS STEEL 3BLADE Series: EX2

Dia x Pitch	Part #
10.375 X 11	31211111
10.375 X 13	31211311



6-20hp

ENGINES WITH A 2.5" GEARCASE



Premium corrosion resistant brass splines. Eliminate hub system vibration & chatter. Reduce gear shock & engine/drive damage. Reduce prop replacement cost by up to 33%.

9.9-35hp

ENGINES WITH A 3" GEARCASE



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.

20-75HP PROPELLER SELECTION CHART

*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.

WANT A DIAMETER AND PITCH RECOMMENDATION?



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)

20-30hp ENGINES WITH A 3" GEARCASE



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	Part #
EVINRUDE® & JOHNSON®: 4 stroke: 25hp, 30hp	26	11200600
SUZUKI®: DT 2 stroke ('87+): 20, 25, 25C, 30, 30C DF 4 stroke: 25hp, 30hp	26	11200600

NOT SURE WHICH PROPELLER TO GET?



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



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	Part #
JOHNSON®: 4 stroke: 40hp, 50hp	11	11300101
FORCE®: 40hp ('95-'98), 50hp ('95-'98), 70hp ('91-'95), 75hp ('96-'98)	11	11300101
HONDA®: BF 4 stroke: 35, 40, 45, 50, 60hp, (not P60)	12	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
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
PARSUN®: T30, T35, T36, T40	12	11300200
SUZUKI®: DT 2 stroke ('89+): 35C, 40, 50, 50M, 55, 60, 65hp DF 4 stroke: 40hp, 50hp / ('10+): 40A, 50A, 60A	11	11300101
YAMAHA®: 2 stroke: 40hp to 55hp / 4 stroke: FT25 High Thrust, 30hp to 60hp	12	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	Part #
EVINRUDE® & 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

HUSTLER ALUMINUM PROPELLERS ALUMINUM 3 BLADE Series: R3

Dia x Pitch	Part #
10.5 x 11	21221110
10.125 x 13	21221310

EXPRESS MACH3 STAINLESS STEEL PROPELLERS STAINLESS STEEL 3 BLADE Series: EX3

Dia x Pitch	Part #
10.5 X 11	31221111
10.125 X 13	31221311

HUSTLER ALUMINUM PROPELLERS ALUMINUM 3 BLADE Series: H1

Dia x Pitch	Part #
12.5 X 8	21300810
12 X 10.5	21301010
10.875 X 11	21301110
10.75 X 12	21301210
10.5 X 13	21301310
10.375 X 14	21301410
10.125 X 15	21301510
LIST \$000.00	

EXPRESS MACH3 STAINLESS STEEL PROPELLERS STAINLESS STEEL 3 BLADE Series: E1

Dia x Pitch	Part #
10.75 X 12	31301212
10.5 X 13	31301312
10.375 X 14	31301412
LIST \$000.00	

HUSTLER ALUMINUM PROPELLERS ALUMINUM 3 BLADE Series: H2

Dia x Pitch	Part #
12.5 X 8	21310810
12 X 10.5	21311010
12.5 X 13	21311310
12.125 X 15	21311510
11.75 X 17	21311710

Spun-a-Hub-a-pho-bi-a

/spə'nə'hubə'fōbēə/
EXTREME OR RATIONAL FEAR OF SPUN PROPELLER HUBS

TIRED OF BEING STRANDED?

TURNING POINT PROPELLERS FEATURE EXCLUSIVE MASTERGUARD® HUBS WITH LIFETIME WARRANTIES. GUARANTEED TO NOT LET YOU DOWN.



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40-150HP PROPELLER SELECTION CHART

*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

MasterGuard 500 Series Kits
Include a Lifetime Warranty

FOR PROPS LISTED TO THE RIGHT

40-150hp

ENGINES WITH A 4.25" GEARCASE



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%.



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	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
JOHNSON®: (13 spline shaft) 4 stroke ('98-'09): 60hp, 70hp	506	11500600
FORCE®: (15 spline shaft) 75hp ('99) / 90hp to 150hp ('95+)	501	11500100
HONDA®: (15 spline shaft) ('95-'98): 75hp, 90hp	501	11500100
HONDA®: (15 spline shaft) P60 / 75, 90 ('99+) / 100, 115 (not 115D), 130hp	507	11500700
MERCURY® & MARINER®: Note¹: Use 801F kit on noisy lower units with stainless steel propellers. Note²: 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
NISSAN® & TOHATSU®: (15 spline) 60C, 70C, 70('02-'09) / MFS('21+) 75 to 140hp / (not BFT): 90 to 140hp / 115 TLDI ('14+)	801F	11800100
NISSAN® & TOHATSU®: (15 spline shaft) BFT ('14-'20): W60, 60, 75, 90hp	505	11500500
OMC®: (13 spline shaft) Cobra 400: 2.3 to 3.0L ('78-'89) / Sea Drive: 1.6 to 1.8L	507	11500700
PARSUN®: (15 spline shaft) T60, T75, T85, T90	503	11500300
SUZUKI®: (13 spline shaft) DT 2 Stroke ('89+): 75 to 140hp / DF 4 Stroke ('98-'09): 60hp, 70hp	500	11500000
SUZUKI® & JOHNSON®: (use 4 blade props only) 4 stroke: ('09+) 70A, 80A, 90A, 70, 80 / ('01+) 90, 100, 115 (Not 115A)	506	11500600
SUZUKI® & JOHNSON®: (use 4 blade props only) DF 4 stroke: 50AV, 60AV, 115A, 140, 140A	509	11500900
YAMAHA®: (15 spline shaft) Note¹: Use 800F kit on noisy lower units with stainless steel propellers. Note²: 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 ('03-'16)	501	11500100
YAMAHA®: (15 spline shaft) Note¹: Use 805F kit on noisy lower units with stainless steel propellers. Note²: If prop strikes trim tab, replace with Yamaha part #6E5-45371-10. 2 stroke: 115 to 130hp / 4 stroke: 75 ('17+), 90 ('17+), 100 ('17+) 115hp	800F	11800000
	505	11500500
	805F	11800500



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.

SQUEEZE CAST

- Turning Point Exclusive Process
- Applied to all Aluminum Designs
- Tight Grain
- Strong and Stiff
- Reduces Flex for Maximum Thrust

DIE-CAST

- Competitors' Process
- Pockets Voids, Air Bubbles
- Weak and Flexible
- Inefficient Transfer of Power
- Poor Repairability

WANT A DIAMETER AND PITCH RECOMMENDATION?



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PROP WIZARD
NEED A PROP? SEEK THE WIZARD

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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.

Left Rotation Right Rotation (standard)



Dia x Pitch	Part #
14 x 11	21431111
14 x 13	21431311
13.75 x 15	21431511
13.25 x 17	21431711
13.25 x 19	21431911
13.25 x 21	21432111
13.25 x 23	21432311

ALUMINUM 3BLADE

Series: LE1/LE2



Dia x Pitch	Part #
13.75 x 15	31431512
13.25 x 17	31431712
13.25 x 19	31431912
13.25 x 21	31432112

STAINLESS STEEL 3BLADE

Series: EX1/EX2



Dia x Pitch	Part #
14 x 11	21431130
14 x 13	21431330
13.5 x 15	21431530
13.25 x 17	21431730
13 x 19	21431930
13 x 21	21432130

ALUMINUM 4BLADE

Swept Cleaver Series

Series: LE1/LE2-4



Dia x Pitch	Part #
14 x 9	31430930
14 x 11	31431130
14 x 13	31431330
13.5 x 15	31431530
13.5 x 15	31431540
13.25 x 17	31431730
13.25 x 17	31431740
13 x 19	31431930
13 x 19	31431940
13 x 21	31432130
13 x 21	31432140
13 x 23	31432330
13 x 23	31432340

STAINLESS STEEL 4BLADE

Swept Cleaver Series

Series: EX1/EX2-4

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.



90-300+HP PROPELLER SELECTION CHART

*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.

WANT A DIAMETER AND PITCH RECOMMENDATION?



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)

AN INSTALLATION KIT IS REQUIRED
See Installation Kit Application Guide for best kit selection.
MasterGuard 500 & 700 Series Kits include a Lifetime Warranty

FOR PROPS LISTED TO THE RIGHT

90-300+hp ENGINES WITH A 4.75"+ GEARCASES



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.



700 Series Installation Kits
For heavy duty extreme load applications
Use on engines 200hp and above with stainless steel props.



800 Series Installation Kits
For noisy lower units - quieter ride
Use on engines 40hp and above with stainless steel props.



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-Torg 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>



INSTALLATION KIT APPLICATION GUIDE

	Kit Series	Prop Shaft	Engine Brands	Aluminum Propellers	Stainless Props Under 200hp	Stainless Props 200+hp	Warranty
MasterGuard Classic (for typical use applications)	500	1.00"	various	✓	✓		Lifetime
MasterGuard Super Duty (for heavy duty extreme load applications)	700	1.00"	various			✓	Lifetime
MasterTorq Sound Dampening Hub (for noisy lower units - quieter ride)	800	1.00"	Yamaha® & Mercury®		✓	✓	1 year
MasterTorq Fat Shaft Hub (for Mercury engines with big prop shafts)	621	1.25"	Mercury®	✓	✓	✓	1 year

*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	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
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	511 711	11501100 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+)	508 708	11500800 11700800
JOHNSON®: (use Express Mach3 OS series props only) 4 stroke: 200- 225hp	707	11700700
MERCURY® & MARINER®: (15 spline shaft) Note: 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	501 701 801F	11500100 11700100 11800100
MERCURY®: (19 spline shaft) Designed for HD (Heavy 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
MERCURUISER®: (15 spline shaft) Alpha One and Bravo One ('83+) Note: 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. Note: If propeller strikes trim tab, replace with Mercury part #822777A1	501 701	11500100 11700100
MERCURUISER®: (19 spline shaft) Designed for HD (Heavy 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
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
SUZUKI®: (15 spline shaft) Note: Use 707 Super Duty Kit for 200+hp Engines w/ SS Props. DT 2 stroke: 150hp to 225hp	507 707	11500700 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	507 707	11500700 11700700
TOHATSU®: (15 spline shaft) Note: Use 708 Super Duty Kit for 200+hp Engines w/ SS Props. BFT115 ('14-20), BFT150, BFT200, BFT225, BFT250	508 708	11500800 11700800
VOLVO® PENTA® SX & OMC® SX COBRA®: (19 spline) (94+): 3.0 to 8.2L. Not for Volvo DuoProp or Aquamatic drives.	504	11500400
VOLVO® PENTA® AQ: (17 spline)(4 blade props only) 200, 250, 270, 280, 290	510	11501000
YAMAHA®: (15 spline shaft) Note: See Installation Kit Application Guide for kit selection. Note: Use 805FT Kit with Express Mach3 OS Propellers Housings Note: If Express Mach3 OS Prop strikes trim tab, replace with TP part #11505060. 2 & 4 stroke: 150 to 250hp / F300 (V6 only '09+) / Sterndrives 3.0 to 7.4L	505 705 805F 805FT	11500500 11700500 11800500 11800510
YAMAHA®: (use Express Mach3 OS series props only) F350	715	11701500



**ALUMINUM
3BLADE**
Series: LE

Dia x Pitch	Part #
15.25 x 15	21501511
14.25 x 17	21501711
14.25 x 19	21501911
14.25 x 21	21502111
14.25 x 23	21502311



**ALUMINUM
4BLADE**
Dual Geometry Series
Series: LE-4

Dia x Pitch	Part #
15 x 15	21501530
15 x 15	21501540
14.5 x 17	21501730
14.5 x 17	21501740
14 x 19	21501930
14 x 19	21501940
14 x 21	21502131
14 x 21	21502141



**STAINLESS STEEL
3BLADE**
Large Diameter OS Series
Series: OS

Dia x Pitch	Part #
15.6 x 11	31511110
15.6 x 11	31511120
15.6 x 13	31511310
15.6 x 13	31511320
15.6 x 15	31511510
15.6 x 15	31511520
15.6 x 17	31511710
15.6 x 17	31511720
15.6 x 19	31511910
15.6 x 19	31511920



**STAINLESS STEEL
3BLADE**
Series: EX

Dia x Pitch	Part #
15 x 15	31501512
15 x 15	31501522
14.25 x 17	31501712
14.25 x 17	31501722
14.25 x 19	31501912
14.25 x 19	31501922
14.25 x 21	31502112
14.25 x 21	31502122
14.25 x 23	31502311
14.25 x 23	31502321



**STAINLESS STEEL
4BLADE**
Dual Geometry Series
Series: EX-4

Dia x Pitch	Part #
15.3 x 13	31501330
15.3 x 13	31501340
15 x 15	31501532
15 x 15	31501542
14.5 x 17	31501731
14.5 x 17	31501741
14 x 19	31501931
14 x 19	31501941
14 x 21	31502131
14 x 21	31502141
14.3 x 23	31502331
14.3 x 23	31502341

*Kit MC	*Kit MS	*Kit MT
MasterGuard Classic	MasterGuard SuperDuty	MasterTorq SDH or FSH

*Kit MC	*Kit MS	*Kit MT
See page 6 for Installation Kit Application Guide		

STEP 1. FIND ENGINE/DRIVE STEP 2. CHOOSE AN INSTALLATION KIT STEP 3. COLORED SHAPE REPRESENTS COMPATIBLE PROPELLER OPTIONS FOUND ON PAGES 34-35.

M	HP	Model	Year	WOT RPM	Spines	*Kit MC	*Kit MS	*Kit MT	Prop
Colman®	9.8	F9.8	2012 & newer	5000-6000	8	205			★
	9.9	F9.9	2012 & newer	4500-5500	8	205			★
	15	F15	2012 & newer	4500-5500	8	205			★
	20	F20	2012 & newer	5000-6000	10	25			▲
	25	F25	2012 & newer	5000-6000	10	25			▲
Evinrude®	8	4 Stroke	1996 & newer	5000-6000	13	202			★
	9.9	2 Stroke	1974 - 84	4500-5000	13	202			★
	9.9	4 Stroke	1995 - 2001	5000-6000	13	202			★
	9.9	High-Thrust	1995 - 2001	4000-5000	13	202			★
	9.9	Sail	1992 - 1999	5000-6000	13	202			★
	9.9	YACHTWIN	1997	5000-6000	13	202			★
	15	15 E-TEC H.O.	2011 & newer	5000-6000	14	22			▲
	15	2 Stroke	1974 - 1980	4500-5000	13	202			★
	15	2 Stroke	1981 - 1993	5000-6000	13	202			★
	15	4 Stroke	1995 - 2001	5000-6000	13	202			★
	25	2 Cyl.	1984 & newer	4500-5500	14	22			▲
	25	Commercial	1984 - 2005	5200-5800	14	22			▲
	25	E-TEC	2009 & newer	5500-6000	14	22			▲
	30	2 Cyl.	1984 & newer	5200-5800	14	22			▲
	30	E-TEC	2009 & newer	5500-6000	14	22			▲
	35	2 Stroke	1975 - 2005	5200-5800	13	22			▲
	40	2 Cyl.	1984 - 2000	4500-5500	13	12			●
	40	4 Stroke	all years	5200-5800	13	11			●
	40	Commercial Gearcase	1985 - 1991	4500-5500	13	503			●
	40	E-TEC	2004 - 2015	5000-6000	13	503			●
	40	E-TEC	2016 & newer	5500-6000	13	503			●
	45	Commercial	1986 & newer	4500-5000	13	503			●
	48	Special	1991 - 1990	4500-5500	13	12			●
	50	2 Cyl.	1975 - 2005	4500-5500	13	12			●
	50	2 Cyl. Commercial	1977-1979	4500-5500	13	503			●
	50	2 Cyl. Pleasure	1971-1974	4500-5500	13	503			●
	50	4 Stroke	all years	5900-6500	13	11			●
	50	E-TEC	2004 - 2015	5500-6000	13	503			●
	50	E-TEC	2016 & newer	5500-6000	13	503			●
	50	Special	1997 - 2000	4500-5500	13	12			●
	55	2 Cyl.	1976 - 1979	5000-6000	13	12			●
	55	Commercial	1980 & newer	4500-5000	13	503			●
	60	2 Cyl.	1980 - 1985	5000-6000	13	12			●
	60	3 Cyl.	1986 - 1996	5000-6000	13	503			●
	60	E-TEC	2004 - 2015	5500-6000	13	503			●
	60	E-TEC	2016 & newer	5500-6000	13	503			●
	60	E-TEC H.O. 20in Shaft	2015 & newer	5000-5500	13	503			●
	60	E-TEC H.O. 20in Shaft with 2.36 Gear Ratio	2015 & newer	5000-5500	13	503			●
	60	E-TEC H.O. 25in Shaft	2015 & newer	5000-5500	13	503			●
	60	E-TEC H.O. 25in with 2.36 Gear Ratio	2015 & newer	5000-5500	13	503			●
	65	2 Cyl.	1980 - 1985	5000-6000	13	12			●
	65	Commercial Gearcase	1984 - 2001	4500-5500	13	503			●
	65	E-TEC Pontoon	2014 & newer	5000-5500	13	503			●
	70	3 Cyl.	1974 - 2001	4500-5500	13	503			●
	70	4 Stroke	all years	5200-5800	13	506			●

M	HP	Model	Year	WOT RPM	Spines	*Kit MC	*Kit MS	*Kit MT	Prop
Evinrude®	70	Backtroller	1992 - 1995	5000-6000	13	503			●
	75	3 Cyl.	1975 - 1984	4500-5500	13	503			●
	75	E-TEC	2004 & newer	4500-5500	13	503			●
	75	Ficht-Ram	1999 - 2003	4750-5250	13	503			●
	85	2 Stroke	1969 - 1995	4500-5500	13	503			●
	85	Backtroller	1979 - 1994	4500-5500	13	503			●
	88	Special	1981 & newer	4500-5500	13	503			●
	90	2 Stroke	1981 & newer	4500-5500	13	503			●
	90	E-TEC 20in shaft	2004 & newer	4500-5500	13	503			●
	90	E-TEC 25in shaft	2004 & newer	4500-5500	15	502			●
	90	E-TEC H.O. 20in Shaft	2015 & newer	5500-6000	13	503			●
	90	E-TEC H.O. 25in Shaft	2015 & newer	5500-6000	15	502			●
	90	E-TEC Pontoon Series	2014 & newer	5000-5500	13	503			●
	90	Ficht-Ram	1999 - 2003	5250-5750	13	503			●
	90	OceanPro	1997	4500-5500	13	503			●
	90	Special	1997 - 1998	4500-5500	13	503			●
	90	V4 with V6 Gearcase	1995 - 1996	4500-5500	15	502			●
	100	2 Stroke	1979 - 1980	4500-5500	13	503			●
	100	Commercial	1984 - 1994	4500-5000	15	502			●
	100	Direct Injection	all years	5250-5750	13	503			●
	100	GT100	1990 - 1994	4500-5500	13	503			●
	110	2 Stroke	1986 - 1989	4500-5500	13	503			●
	112	Special	1995	4500-5500	13	503			●
	115	2 Stroke	1973 - 1998	4500-5500	13	503			●
	115	Direct Injection	all years	5250-5750	13	503			●
	115	Direct Injection, 25in shaft	all years	5250-5750	13	503			●
	115	E-TEC 20in shaft	2004 - 2007	4500-5500	13	503			●
	115	E-TEC 20in shaft	2008 & newer	5500-6000	13	503			●
	115	E-TEC 25in shaft	2004 - 2007	4500-5500	15	502			●
	115	E-TEC 25in shaft	2008 & newer	5500-6000	15	502			●
	115	E-TEC H.O. 20in shaft	2009 & newer	5500-6000	13	503			●
	115	E-TEC H.O. 25in shaft	2009 & newer	5500-6000	15	502			●
	115	E-TEC Pontoon Series	2014 & newer	5500-6000	15	502			●
	115	Ficht-Ram	1999 - 2003	5250-5750	13	503			●
	115	Ficht-Ram, 25in shaft	1999 - 2003	5250-5750	13	502			●
	115	Intruder	1997	5000-6000	13	503			●
	115	Special	1997 - 1987	4500-5500	13	503			●
	115	V4 with V6 Gearcase	1995 - 1997	5000-6000	15	502			●
	120	2 Stroke	1986 - 1987	4500-5500	13	503			●
	120	20in, Long Shaft	1988 - 1994	4500-5500	13	503			●
	120	25in, X-Long Shaft	1988 - 1994	4500-5500	13	503			●
	120	V4 with V6 Gearcase	1985	4500-5500	15	502			●
	125	2 Stroke	1990	4500-5500	13	503			●
	125	V4 with V6 Gearcase	1990	4500-5500	15	502			●
	130	2 Stroke	1995 - 1998	5500-6000	15	502			●
	130	E-TEC 20in shaft	2004 - 2008	5000-6000	13	503			●
	130	E-TEC 20in shaft	2009 - 2010	5500-6000	13	503			●
	130	E-TEC 25in shaft	2004 - 2008	5000-6000	15	502			●
	130	E-TEC 25in shaft	2009 - 2010	5500-6000	15	502			●
	135	4 Cyl.	1973 - 1976	4500-5500	13	503			●

M	HP	Model	Year	WOT RPM	Spines	*Kit MC	*Kit MS	*Kit MT	Prop
Evinrude®	135	Direct Injection	all years	4750-5250	15	502			
	135	Direct Injection, 25in shaft	all years	4750-5250	15	502			
	135	E-TEC H.O. 20in Shaft	2014 & newer	5300-6000	15	502			
	135	E-TEC H.O. 25in Shaft	2014 & newer	5300-6000	15	502			
	135	Ficht-Ram	1999 - 2003	4750-5250	15	502			
	140	2 Stroke	1986 - 1994	4500-5500	13	503			
	140	2 Stroke	1997 - 1984	4500-5500	13	503			
	140	V4 with V6 Gearcase	1985 & newer	4500-5500	15	502			
	140	with V-4 Gearcase	1977 - 1994	4500-5500	13	503			
	150	2 Stroke	1978 & newer	4500-5500	15	502			
	150	Direct Injection	all years	4750-5250	15	502			
	150	Direct Injection H.O.	all years	5000-5500	15	502			
	150	Direct Injection, 25in shaft	all years	4750-5250	15	502			
	150	E-TEC	2008 - 2014	4850-5850	15	502			
	150	E-TEC	2015 & newer	5300-6000	15	502			
	150	E-TEC G2	2016 & newer	5000-6000	15	511			
	150	E-TEC G2 H.O.	2016 & newer	5000-6000	15	511			
	150	E-TEC H.O.	2009 & newer	5300-6000	15	502			
	150	E-TEC Pontoon Series	2014 & newer	5300-6000	15	502			
	150	GT150	all years	4500-5500	15	502			
	150	Intruder	1995 - 1998	4500-5500	15	502			
	150	Intruder	1997	4500-5500	15	502			
	150	OceanPro	1998	4500-5500	15	502			
	150	Ram	all years	4750-5250	15	502			
	150	SILVERSTAR	1992 - 1994	4500-5500	15	502			
	150	SILVERSTAR FASTSTRIKE	1992 - 1994	4500-5500	15	502			
	155	Commercial	1978 & newer	4500-5500	15	502			
	175	2 Stroke	1977 & newer	4500-5500	15	502			
	175	Direct Injection	all years	5250-5750	15	502			
	175	Direct Injection, 25in shaft	all years	5250-5750	15	502			
	175	E-TEC	2004 - 2014	4850-5850	15	502			
	175	E-TEC	2015 & newer	5300-6000	15	502			
	175	E-TEC G2	2016 & newer	5000-6000	15	511			
	175	Ficht Intruder	all years	5300-5800	15	502			
	175	Ficht OCEANRUNNER	all years	4500-5500	15	502			
	175	Ficht-Ram	all years	5250-5750	15	502			
	175	GT175	all years	4750-5750	15	502			
	175	SILVERSTAR	all years	4500-5500	15	502			
	175	SILVERSTAR FASTSTRIKE	all years	4500-5500	15	502			
185	2 Stroke	1984 - 1985	4500-5500	15	502				
200	2 Stroke	1979 & newer	5000-6000	15	502				
200	Commercial Gearcase	all years	5000-6000	15	502				
200	Direct Injection	all years	4500-5800	15	502				
200	Direct Injection H.O.	all years	5500-6000	15	502				
200	E-TEC	2006	4750-5750	15	502				
200	E-TEC	2007 - 2014	4850-5850	15	502				
200	E-TEC	2015 & newer	5300-6000	15	502				
200	E-TEC G2	2016 & newer	5000-6000	15	511	711			
200	E-TEC G2 H.O.	2015 & newer	5400-6000	15	511	711			
200	E-TEC H.O.	2006 - 2010	4500-5800	15	502				

APPLICATION DATA Honda - Johnson

STEP 1. FIND ENGINE/DRIVE STEP 2. CHOOSE AN INSTALLATION KIT STEP 3. COLORED SHAPE REPRESENTS COMPATIBLE PROPELLER OPTIONS FOUND ON PAGES 34-35

*Kit MC	*Kit MS	*Kit MT
MasterGuard Classic	MasterGuard SuperDuty	MasterTorq SDH or FSH

M	HP	Model	Year	WOT RPM	Spines	*Kit MC	*Kit MS	*Kit MT	Prop
Honda®	15	BF15	1987 - 2000	5000-6200	8	205			★
	15	BF15	2001 - 2002	5000-6200	8	205			★
	15	BF15	2003 & newer	4500-5500	8	205			★
	20	BF20	all years	5000-6000	8	205			★
	25	BF25	all years	5000-6000	10	28			▲
	30	BF30	all years	5500-6000	10	28			▲
	35	BF35	all years	4600-5600	13	12			●
	40	BF40	all years	5000-6000	13	12			●
	45	BF45	all years	5000-6000	13	12			●
	50	BF50	all years	5500-6000	13	12			●
	60	BFP60	2010 & newer	5000-6000	15	507			●
	75	BF75	1998 - older	5000-6000	15	501			●
	75	BF75	1999 & newer	5000-6000	15	507			●
	90	BF90	1998 - older	5000-6000	15	501			●
	90	BF90	1999 & newer	5300-6300	15	507			●
	100	BF100	2015 & newer	5500-6300	15	507			●
	115	BF115	2011 - 2013	5000-6000	15	507			●
	115	BF115D	2014 & newer	5000-6000	15	508			●
	130	BF130	all years	5000-6000	15	507			●
	135	BF135	2004 - 2013	5000-6000	15	508			●
	135	BF135A	2014 & newer	5000-6000	15	508			●
	150	BF150	2004 - 2013	5000-6000	15	508			●
	150	BF150A	2014 & newer	5000-6000	15	508			●
	200	BF200	2002 - 2012	5000-6000	15	508	708		●
	200	BF200A	2013 & newer	5000-6000	15	508	708		●
Johnson®	225	BF225	2002 - 2012	5000-6000	15	508	708		●
	225	BF225A	2013 & newer	5000-6000	15	508	708		●
	250	BF250A	2012 & newer	5300-6300	15	508	708		●
	8	4 Stroke	1996 - 1997	5000-6000	13	202			★
	8	4 Stroke	1998 - 1999	5000-6000	13	202			★
	8	4 Stroke	2000	5000-6000	13	202			★
	8	4 Stroke	2002	5000-6000	13	202			★
	8	J8R4, J8RL4	2003	5000-6000	13	202			★
	9.9	2 Stroke	all years	5000-6000	13	202			★
	9.9	2005-newer	2005 & newer	5000-6000	10	206			★
	9.9	4 Stroke	2006	4500-5500	10	206			★
	9.9	High Thrust	1996 - 2000	4000-5000	13	202			★
	9.9	Sail	1991 - 2000	5000-6000	13	202			★
	15	2 Stroke	all years	5000-6000	13	202			★
	15	4 Stroke	2005	5500-6500	10	206			★
	15	4 Stroke	2006	5500-6500	10	206			★
	20	2 Stroke	1995 - 2000	4500-5500	14	22			▲
	25	2 Cyl.	1991 - 2002	4500-5500	14	22			▲
	25	2 Cyl.	2003	5200-5800	14	22			▲
	25	2 Cyl.	2004 & newer	4500-5500	14	22			▲
	25	3 Cyl.	1996 - 2000	5200-5800	14	22			▲
	25	3 Cyl.	2004	5200-5800	10	22			▲
	25	4 Stroke	2005 - 2006	5000-5600	10	26			▲
	25	Commercial	1991 - 1994	4000-5000	14	22			▲
	28	Special	1995 - 1996	4500-5500	14	22			▲

M	HP	Model	Year	WOT RPM	Spines	*Kit MC	*Kit MS	*Kit MT	Prop
Johnson®	30	2 Stroke	1991 - 2002	5200-5800	14	22			▲
	30	2 Stroke	2003 - 2005	4500-5500	14	22			▲
	30	4 Stroke	2004 & newer	5500-6100	14	26			▲
	35	2 Stroke	1975 - 2005	5200-5800	14	22			▲
	40	2 Stroke	1991 - 2005	4500-5500	13	12			●
	40	4 Stroke	2002 - 2005	5200-5800	13	11			●
	40	4 Stroke	2003 - 2004	5200-5800	13	12			●
	45	Commercial	1991 - 1994	4500-5000	13	503			●
	48	2 Stroke	1995	4500-5500	13	12			●
	48	Special	1996	4500-5500	13	12			●
	50	2 Cyl.	1975 - 2005	4500-5500	13	12			●
	50	2 Cyl. Commercial	1977-1979	4500-5500	13	503			●
	50	2 Cyl. Pleasure	1971-1974	4500-5500	13	503			●
	50	2 Cyl. Special	1997 - 2000	4500-5500	13	12			●
	50	3 Cyl. Pleasure	1994-1998	4500-5500	13	503			●
	50	4 Stroke	2002	5900-6500	13	11			●
	50	4 Stroke	2005	5900-6500	13	11			●
	50	J50PL	2003 - 2004	4500-5500	13	12			●
	50	J50PL4	2003 - 2004	5900-6500	13	11			●
	55	Commercial	all years	4500-5500	13	503			●
	60	2 Stroke	1989 - 2003	5000-6000	13	503			●
	60	2 Stroke	2002	5200-5800	13	503			●
	60	2 Stroke	2005	5200-5800	13	503			●
	60	4 Stroke	1998 - 2009	4700-5300	13	506			●
	60	J60PL4	2003 - 2004	4700-5300	13	503			●
	65	Commercial	2000	5000-6000	13	503			●
Johnson®	70	2 Stroke	1991 - 2000	4500-5500	13	503			●
	70	2 Stroke	2002	4500-5500	13	503			●
	70	2 Stroke	2005	4500-5500	13	503			●
	70	4 Stroke	1998 - 2009	5200-5800	13	506			●
	70	Backtroller	1991 - 1995	4500-5500	13	503			●
	70	J70PL4	2003 - 2004	4500-5500	13	503			●
	85	Backtroller	1991 - 1995	4500-5500	13	503			●
	88	Special	1981 - 1990	4500-5500	13	503			●
	88	Special	1995 - 1996	4500-5500	13	503			●
	90	2 Stroke	1991 - 2006	4500-5500	13	503			●
	90	4 Stroke (Use 4 Blade Prop)	2002 - 2005	4500-5500	15	509			●
	90	J90PL, J90GL	2003 - 2004	4500-5500	13	503			●
	90	Offshore and OCEANRUNNER	1997 - 2000	4500-5500	13	503			●
	90	Special	1997 - 2000	4500-5500	13	503			●
	90	V4 with V6 Gearcase Gearcase	1995	4500-5500	15	502			●
	100	Commercial	1991 - 1994	4500-5000	15	502			●
	100	Commercial	2000	4500-5500	15	502			●
	100	GT100	1991 - 1994	4500-5500	13	503			●
	112	Special	1995 - 1996	4500-5500	13	503			●
	115	2 Stroke	1991 - 2002	4500-5500	13	503			●
	115	2 Stroke	2005 - 2006	4500-5500	13	503			●
	115	4 Stroke (Use 4 Blade Prop)	2002 - 2005	5000-6000	15	509			●
	115	FASTSTRIKE	1996 - 2000	5000-6000	13	503			●
	115	Intruder	1998 - 2000	5000-6000	13	503			●

*Kit MC	*Kit MS	*Kit MT
See page 6 for Installation Kit Application Guide		

M	HP	Model	Year	WOT RPM	Spines	*Kit MC	*Kit MS	*Kit MT	Prop
Johnson®	115	J115PL, J115GL, J115PX	2003 - 2004	4500-5500	13	503			
	115	Offshore and OCEANRUNNER	1998 - 2000	4500-5500	13	503			
	115	Special	1997 - 1999	4500-5500	13	503			
	115	V4 with V6 Gearcase	1995 - 1997	4500-5500	15	502			
	120	20in Long Shaft	1992 - 1994	4500-5500	13	503			
	120	V4 with V6 Gearcase	1992 - 1994	4500-5500	15	502			
	130	V4 with V6 Gearcase	1995 - 2000	5000-6000	15	502			
	140	20in Long Shaft	1990 - 1994	4500-5500	13	503			
	140	4 Stroke (Use 4 Blade Prop)	2002 - 2005	5600-6200	15	501			
	140	with v4 Gearcase	1992 - 1994	4500-5500	13	503			
	150	2 Stroke	1978 & newer	4500-5500	15	502			
	150	FASTSTRIKE	1991 - 2000	4500-5500	15	502			
	150	GT150	all years	4500-5500	15	502			
	150	Intruder	1996 - 1997	4500-5500	15	502			
	150	J150PL, J150GL, J150CX, J150PX	2003 - 2004	4500-5500	15	502			
	150	OceanPro	1997	4500-5500	15	502			
	150	Offshore, and OCEANRUNNER	1997 - 2000	4500-5500	15	502			
	150	SILVERSTAR	1991 - 1994	4500-5500	15	502			
	155	Commercial	1978 & newer	4500-5500	15	502			
	175	2 Stroke	1977 & newer	4500-5500	15	502			
	175	FASTSTRIKE	all years	4500-5500	15	502			
	175	GT175	all years	4750-5750	15	502			
	175	Intruder	all years	4500-5500	15	502			
	175	J175PL, J175GL, J175CX, J175PX	all years	4500-5500	15	502			
	175	OCEANRUNNER	all years	4500-5500	15	502			
	175	OCEANRUNNER	all years	4500-5500	15	502			
	175	Offshore	all years	4500-5500	15	502			
	175	Offshore	all years	4500-5500	15	502			
	175	SILVERSTAR	all years	4500-5500	15	502			
	175	SILVERSTAR FASTSTRIKE	all years	4500-5500	15	502			
185	2 Stroke	1984 - 1985	4500-5500	15	502				
200	2 Stroke	1979 & newer	5000-6000	15	502				
200	4 Stroke (Use Express Mach3 OS)	2004-2005	5000-6000	15	507				
200	GT200	all years	5000-6000	15	502				
200	OCEANRUNNER	all years	5000-6000	15	502				
200	Offshore	all years	5000-6000	15	502				
200	VENOM	all years	5000-6000	15	502				
225	2 Stroke	1986 & newer	5000-6000	15	502				
225	4 Stroke (Use Express Mach3 OS)	2004-2005	5000-6000	15	507				
225	OCEANRUNNER	all years	5000-6000	15	502				
225	VENOM	all years	5000-6000	15	502				
225	VINDICATOR	all years	5000-6000	15	502				
235	2 Stroke	1978 - 1985	5000-6000	15	502				
250	2 Stroke	1991 & newer	4500-5000	15	502				
300	2 Stroke	1988 - 1995	5000-6000	15	502				
Mariner®	6 2 Stroke	all years	4000-5000	8	201				
	8 2 Stroke	1991 - 1994	4500-5500	8	201				
	8 2 Stroke	1995 & newer	4500-5500	8	201				
	8 4 Stroke, cotter pin shaft	all years	5000-6000	12	208				
	9.9 2 Stroke	1991 & newer	5000-6000	8	201				

APPLICATION DATA Mariner - MeCruiser

*Kit MC	*Kit MS	*Kit MT
MasterGuard Classic	MasterGuard SuperDuty	MasterTorq SDH or FSH

*Kit MC	*Kit MS	*Kit MT
See page 6 for Installation Kit Application Guide		

MerCruiser - Mercury APPLICATION DATA

STEP 1. FIND ENGINE/DRIVE STEP 2. CHOOSE AN INSTALLATION KIT STEP 3. COLORED SHAPE REPRESENTS COMPATIBLE PROPELLER OPTIONS FOUND ON PAGES 34-35.

M	HP	Model	Year	WOT RPM	Spines	*Kit MC	*Kit MS	*Kit MT	Prop
Mariner®	150	2.5L Offshore	1998	5000-5600	15	501			
	150	EFI	all years	5000-5600	15	501			
	150	Magnum	all years	5000-5600	15	501			
	150	Magnum EFI	all years	5000-5600	15	501			
	150	Magnum II	all years	5000-5600	15	501			
	150	Magnum III	all years	5000-5600	15	501			
	150	Offshore	all years	5000-5600	15	501			
	150	Offshore EFI	all years	5000-5600	15	501			
	150	Optimax	all years	5250-5750	15	501			
	175	2.5L	all years	5000-5600	15	501			
	175	EFI Offshore	all years	5000-5600	15	501			
	175	Magnum EFI	all years	5000-5600	15	501			
	175	Offshore	all years	5000-5600	15	501			
	175	Optimax	all years	5250-5750	15	501			
	200	2 Stroke	all years	5000-5600	15	501			
	200	2 Stroke 200 EFI 2.5L	all years	5000-5800	15	501			
	200	2 Stroke 200 EFI 3.0L	all years	4500-5500	15	501			
	200	DFI	1997	5000-5750	15	501			
	200	DFI Offshore	1997	5000-5750	15	501			
	200	EFI	all years	4500-5500	15	501			
	200	EFI Offshore	all years	5000-5600	15	501			
	200	Magnum EFI	all years	5000-5800	15	501			
	200	Offshore	all years	5000-5600	15	501			
	200	Optimax	all years	5000-5750	15	501			
	200	Optimax Offshore	all years	5000-5750	15	501			
	200	Verado	all years	5800-6400	15	501			
	225	2 Stroke EFI 3.0L	all years	5000-5800	15	501			
	225	3.0L	all years	5000-5500	15	501			
	225	3.0L Sea Pro / Marathon EFI	2006	5000-5750	15	501			
	225	Magnum EFI	1995 - 1996	5000-5800	15	501			
	225	Magnum EFI	2006	5000-5800	15	501			
	225	Offshore	1995 - 1996	5000-5500	15	501			
	225	Offshore	1997 - 1998	5000-5500	15	501			
	225	Offshore EFI	all years	5000-5500	15	501			
	225	Optimax	all years	5000-5750	15	501			
	225	Optimax Offshore	1998	5000-5750	15	501			
	225	Verado	all years	5800-6400	15	501			
MerCruiser®	250	Offshore EFI	1995 - 1998	5000-5800	15	501			
	250	Verado	all years	5800-6400	15	501			
	275	2 Stroke	1991 - 1994	5000-5500	15	501			
	275	Offshore	1991 - 1994	5000-5500	15	501			
	275	Verado	all years	5800-6400	15	501			
	NA 377		all years	-	15	501			
	NA 377		all years	-	19			621	
	NA Diesel D2.8L		all years	-	15	501			
	NA Diesel D3.0L		all years	-	15	501			
	NA Diesel D3.6L		all years	-	15	501			
	NA Diesel D4.2L		all years	-	15	501			
	NA Diesel D7.3L		all years	-	15	501			
	NA Models: 120, 140, 145 DTS		all years	-	15	501			

M	HP	Model	Year	WOT RPM	Spines	*Kit MC	*Kit MS	*Kit MT	Prop
MerCruiser®	1	Models: 165, 228, 470, 485, 888, 898	all years	-	15	501			
	1	Models: 1A, 1B, 1C	all years	-	15	501			
	1	Models: 225S, 233, 255TRS	all years	-	15	501			
	1	Models: 260, 280TRS, 330TRS	all years	-	15	501			
	120	2.5L Alpha One	1986-1989	3800-4300	15	501			
	135	3.0L Alpha One	1983 & newer	4400-4800	15	501			
	135	3.0L Alpha One, high altitude ratio	1983 & newer	4400-4800	15	501			
	140	3.0L Alpha One GM 181ci	1983 & newer	4400-4800	15	501			
	162	2.8L Bravo One X ES 170	1983 & newer	3600-3800	15	501			
	162	2.8L Bravo One X ES 170	1983 & newer	3600-3800	19			621	
	165	3.7L	1983 & newer	4000-4600	15	501			
	170	470	1983 & newer	4000-4600	15	501			
	190	3.7L X	1983 & newer	4000-4600	15	501			
	190	4.3L Alpha One	1983 & newer	4400-4800	15	501			
	190	4.3L Alpha One, high altitude ratio	1983 & newer	4400-4800	15	501			
	190	4.3L Alpha One, optional ratio	1983 & newer	4400-4800	15	501			
	190	4.3L X GEN+ Bravo One	1983 & newer	4400-4800	15	501			
	190	4.3L X GEN+ Bravo One	1983 & newer	4400-4800	19			621	
	191	4.2L Bravo One X MS 200	1983 & newer	3400-3600	15	501			
	191	4.2L Bravo One X MS 200	1983 & newer	3400-3600	19			621	
	200	4.5L Alpha One	all years	4400-4800	15	501			
	205	262 Magnum EFI Alpha One	1983 & newer	4400-4800	15	501			
	205	262 Magnum EFI Alpha One	1983 & newer	4400-4800	15	501			
	205	4.3L H Alpha One	1983 & newer	4400-4800	15	501			
	205	4.3L H Alpha One, high altitude ratio	1983 & newer	4400-4800	15	501			
	205	4.3L H Alpha One, optional ratio	1983 & newer	4400-4800	15	501			
	205	4.3L XH Alpha One	1983 & newer	4400-4800	15	501			
	210	4.3L EFI Alpha One	1983 & newer	4400-4800	15	501			
	210	4.3L EFI Alpha One, high altitude ratio	1983 & newer	4400-4800	15	501			
	210	4.3L EFI Alpha One, optional ratio	1983 & newer	4400-4800	15	501			
	220	4.2L Bravo One X MS 230	1983 & newer	3600-3800	15	501			
	220	4.2L Bravo One X MS 230	1983 & newer	3600-3800	19			621	
	220	4.3L MPI Alpha One	1983 & newer	4400-4800	15	501			
	220	5.0L Alpha One	1983 & newer	4400-4800	15	501			
	220	5.0L Alpha One, high altitude ratio	1983 & newer	4400-4800	15	501			
	220	5.0L Bravo One	1983 & newer	4400-4800	15	501			
	220	5.0L Bravo One	1983 & newer	4400-4800	19			621	
	220	5.0L Bravo One, optional ratio	1983 & newer	4400-4800	15	501			
	220	5.0L Bravo One, optional ratio	1983 & newer	4400-4800	19			621	
	239	2.8L Bravo One X ES 200	1983 & newer	3600-3800	15	501			
	239	2.8L Bravo One X ES 200	1983 & newer	3600-3800	19			621	
	240	5.0L EFI Alpha One	1983 & newer	4400-4800	15	501			
	240	5.0L EFI Alpha One, optional ratio	1983 & newer	4400-4800	15	501			
	240	5.0L EFI Bravo One	1983 & newer	4400-4800	15	501			
	240	5.0L EFI Bravo One	1983 & newer	4400-4800	19			621	
	250	350 Magnum Alpha One	1983 & newer	4400-4800	15	501			
	250	4.5L Alpha One	all years	4800-5200	15	501			
	250	5.0L MPI Bravo One	1983 & newer	4600-5000	15	501			
	250	5.0L MPI Bravo One	1983 & newer	4600-5000	19			621	

Note: If propeller strikes trim tab, replace with Mercury part #822777A1

M	HP	Model	Year	WOT RPM	Spines	*Kit MC	*Kit MS	*Kit MT	Prop
MerCruiser® Note: If propeller strikes trim tab, replace with Mercury part #822777A1	250	5.7L Alpha One	1983 & newer	4400-4800	15	501			
	250	5.7L Alpha One, high altitude ratio	1983 & newer	4400-4800	15	501			
	250	5.7L Alpha One, optional ratio	1983 & newer	4400-4800	15	501			
	250	5.7L Bravo One	1983 & newer	4400-4800	15	501			
	250	5.7L Bravo One	1983 & newer	4400-4800	19			621	
	250	5.7L Bravo One, optional ratio	1983 & newer	4400-4800	15	501			
	250	5.7L Bravo One, optional ratio	1983 & newer	4400-4800	19			621	
	250	Sport Master Gearcase	all years	-	19			621	
	259	4.2L Bravo One ES 270	1983 & newer	3600-3800	15	501			
	259	4.2L Bravo One ES 270	1983 & newer	3600-3800	19			621	
	260	5.0L MPI Alpha One	1983 & newer	4400-4800	15	501			
	260	5.0L MPI Bravo One	1983 & newer	4400-4800	15	501			
	260	5.0L MPI Bravo One	1983 & newer	4400-4800	19			621	
	260	5.7L EFI Alpha One	1983 & newer	4400-4800	15	501			
	260	5.7L EFI Alpha One, optional ratio	1983 & newer	4400-4800	15	501			
	260	5.7L EFI Bravo One	1983 & newer	4400-4800	15	501			
	260	5.7L EFI Bravo One	1983 & newer	4400-4800	19			621	
	260	5.7L EFI Bravo One, optional ratio	1983 & newer	4400-4800	15	501			
	260	5.7L EFI Bravo One, optional ratio	1983 & newer	4400-4800	19			621	
	265	350 Magnum EFI/MP Bravo One	1983 & newer	4600-5000	15	501			
	265	350 Magnum EFI/MP Bravo One	1983 & newer	4600-5000	19			621	
	300	350 Magnum MPI Alpha One	1983 & newer	4600-5000	15	501			
	300	350 Magnum MPI Alpha One, high altitude ratio	1983 & newer	4600-5000	15	501			
	300	350 Magnum MPI Bravo One	1983 & newer	4600-5000	15	501			
	300	350 Magnum MPI Bravo One	1983 & newer	4600-5000	19			621	
	300	350 Magnum MPI Bravo One, high altitude ratio	1983 & newer	4600-5000	15	501			
	300	350 Magnum MPI Bravo One, high altitude ratio	1983 & newer	4600-5000	19			621	
	300	350 Magnum MPI Bravo One, optional ratio	1983 & newer	4600-5000	15	501			
	300	350 Magnum MPI Bravo One, optional ratio	1983 & newer	4600-5000	19			621	
	300	350 Magnum MPI HORIZON Alpha One	1983 & newer	4600-5000	15	501			
	300	350 Magnum MPI HORIZON Bravo One	1983 & newer	4600-5000	15	501			
	300	350 Magnum MPI HORIZON Bravo One	1983 & newer	4600-5000	19			621	
	300	350 Magnum MPI HORIZON Bravo One, optional ratio	1983 & newer	4600-5000	15	501			
	300	350 Magnum MPI HORIZON Bravo One, optional ratio	1983 & newer	4600-5000	19			621	
	300	6.2L Bravo One	all years	5000-5400	15	501			
	300	6.2L Bravo One	all years	5000-5400	19			621	
	300	7.4L Bravo One	1983 & newer	4200-4600	15	501			
	300	7.4L Bravo One	1983 & newer	4200-4600	19			621	
	310	7.4L MPI Alpha One	1983 & newer	4200-4600	15	501			
	310	7.4L MPI Bravo One	1983 & newer	4200-4600	15	501			
	310	7.4L MPI Bravo One	1983 & newer	4200-4600	19			621	
	310	7.4L MPI Bravo One, high altitude ratio	1983 & newer	4200-4600	15	501			
310	7.4L MPI Bravo One, high altitude ratio	1983 & newer	4200-4600	19			621		
310	7.4L MPI Bravo One, optional ratio	1983 & newer	4200-4600	15	501				
310	7.4L MPI Bravo One, optional ratio	1983 & newer	4200-4600	19			621		
320	320 EFI	all years	4800-5200	15	501				
320	320 EFI	all years	4800-5200	19			621		

*Kit MC	*Kit MS	*Kit MT
MasterGuard Classic	MasterGuard SuperDuty	MasterTorq SDH or FSH

*Kit MC	*Kit MS	*Kit MT
See page 6 for Installation Kit Application Guide		

STEP 1. FIND ENGINE/DRIVE STEP 2. CHOOSE AN INSTALLATION KIT STEP 3. COLORED SHAPE REPRESENTS COMPATIBLE PROPELLER OPTIONS FOUND ON PAGES 34-35.

M	HP	Model	Year	WOT RPM	Spines	*Kit MC	*Kit MS	*Kit MT	Prop
Mercury®	9.9	4 Stroke	2005 & newer	5000-6000	12	208			☆
	9.9	4 Stroke Bigfoot	all years	5000-6000	14	207			☆
	9.9	Bigfoot	2000 - 2005	4500-5500	10	21			⚠
	9.9	Command Thrust CT	2015 & newer	5000-6000	14	207			☆
	9.9	Command Thrust FourStroke CT	2005 & newer	5000-6000	207	207			⚠
	9.9	ProKicker	2015 & newer	5000-6000	12	208			☆
	9.9	Sailpower	2000 & newer	4500-5500	10	21			⚠
	10	International	2006	5000-6000	8	201			☆
	10	SeaPro	All years	5000-6000	8	201			☆
	15	2 Stroke	1994-2005	5000-6000	8	201			☆
	15	4 Stroke	1989 - 2006	5000-6000	14	207			☆
	15	4 Stroke	2007 & newer	5000-6000	14	207			☆
	15	4 Stroke Bigfoot	1999 - 2005	4500-5500	0	21			⚠
	15	FourStroke	2007 & newer	5700-6200	207	207			☆
	15	ProKicker	2015 & newer	5000-6000	14	207			☆
	15	SeaPro	All years	4500-5500	8	201			☆
	20	2 Stroke	1986 - pres	4500-5500	10	21			⚠
	20	International	2006	5000-6000	10	21			⚠
	25	2 Stroke	all years	5000-6000	10	21			⚠
	25	2 Stroke Bigfoot	all years	5500-6000	13	11			⚠
	25	4 Stroke EFI, cotter pin shaft	all years	5000-6000	10	28			⚠
	25	FourStroke	2018 & newer	5000-6000	11	11			⚠
	25	SeaPro	2006	5000-6000	10	21			⚠
	30	2 Stroke	all years	4500-5500	13	11			⚠
	30	4 Stroke EFI, cotter pin shaft	all years	5250-6250	0	28			⚠
	30	EFI	all years	5500-6000	13	11			⚠
	30	FourStroke	2018 & newer	5250-6250	11	11			⚠
	30	International	2006	4500-5500	13	11			⚠
	40	2 Stroke	1990 & newer	5000-5500	13	11			⚠
	40	4 Stroke EFI	all years	5500-6000	13	11			⚠
	40	4 Stroke EFI Bigfoot	all years	5500-6000	15	501		801F	⚠
	40	Command Thrust 4 Stroke EFI CT	2014 & newer	5500-6000	15	501		801F	⚠
	40	Command Thrust FourStroke CT	2018 & newer	5500-6000	15	501		801F	⚠
	40	EFI Bigfoot	all years	5500-6000	15	501		801F	⚠
	40	EFI Fourstroke	2018 & newer	5500-6000	11	11			⚠
	40	FourStroke	2018 & newer	5500-6000	11	11			⚠
	40	FourStroke	2018 & newer	5500-6000	11	11			⚠
	40	International	2006	4500-5000	13	11			⚠
	40	SeaPro	2006	5000-5500	13	11			⚠
	40	SeaPro	2015 & newer	4500-5500	15	501		801F	⚠
	50	2 Stroke	1977 & newer	5000-5500	13	11			⚠
	50	4 Stroke EFI	all years	5500-6000	13	11			⚠
	50	4 Stroke EFI Bigfoot	all years	5500-6000	15	501		801F	⚠
	50	Command Thrust 4 Stroke EFI CT	2014 & newer	5500-6000	15	501		801F	⚠
	50	Command Thrust FourStroke CT	2018 & newer	5500-6000	15	501		801F	⚠
	50	EFI Bigfoot	all years	5500-6000	15	501		801F	⚠
	50	EFI Fourstroke	2018 & newer	5000-6000	11	11			⚠
	50	International	2006	5000-5500	13	11			⚠
	55	MERCURY 55 SeaPro	2006	5000-5500	13	11			⚠
	60	2 Stroke	1990 & newer	5000-5500	13	11			⚠

M	HP	Model	Year	WOT RPM	Spines	*Kit MC	*Kit MS	*Kit MT	Prop
Mercury®	60	4 Stroke EFI	all years	5500-6000	13	11			⚠
	60	4 Stroke EFI Bigfoot	all years	5500-6000	15	501		801F	⚠
	60	Bigfoot	1995	5000-5500	15	501		801F	⚠
	60	Command Thrust 4 Stroke EFI CT	2014 & newer	5500-6000	15	501		801F	⚠
	60	Command Thrust FourStroke CT	2018 & newer	5500-6000	15	501		801F	⚠
	60	EFI Bigfoot	2003 & newer	5500-6000	15	501		801F	⚠
	60	EFI Fourstroke	2018 & newer	5500-6000	11	11			⚠
	60	International	2006	5000-5500	13	11			⚠
	60	SeaPro	2006	5000-5500	13	11			⚠
	60	SeaPro	2015 & newer	4500-5500	15	501		801F	⚠
	65	2 Stroke	1980	4800-5300	13	11			⚠
	75	2 Stroke	all years	4750-5250	15	501		801F	⚠
	75	4 Stroke EFI	all years	4500-5000	15	501		801F	⚠
	75	FourStroke	2018 & newer	4500-5500	15	501		801F	⚠
	75	Optimax	2004 & newer	5000-5750	15	501		801F	⚠
	75	Sea Pro	2018 & newer	5000-5500	15	501		801F	⚠
	75	Sea Pro CT	2018 & newer	5000-5500	15	501		801F	⚠
	75	SeaPro	All years	5000-5500	15	501		801F	⚠
	90	2 Stroke	all years	5000-5500	15	501		801F	⚠
	90	4 Stroke EFI	all years	5500-6000	15	501		801F	⚠
	90	4 Stroke EFI CT	2014 & newer	5000-6000	15	501		801F	⚠
	90	FourStroke	2018 & newer	5000-6000	15	501		801F	⚠
	90	FourStroke CT	2018 & newer	5000-6000	15	501		801F	⚠
	90	Optimax	2005 & newer	5000-5750	15	501		801F	⚠
	90	Saltwater, 3 Cyl.	2000 - 2005	5000-5500	15	501		801F	⚠
	90	Saltwater, 4 Cyl.	2003 - 2005	5000-6000	15	501		801F	⚠
	90	SeaPro	All years	5000-5500	15	501		801F	⚠
	100	2 Stroke	1990 - 2000	4750-5250	15	501		801F	⚠
	100	Command Thrust 4 Stroke EFI CT	2015 & newer	5000-6000	15	501		801F	⚠
	115	2 Stroke	all years	4750-5250	15	501		801F	⚠
	115	4 Stroke EFI	all years	5500-6000	15	501		801F	⚠
	115	Command Thrust 4 Stroke EFI CT	2014 & newer	5000-6000	15	501		801F	⚠
	115	Command Thrust FourStroke CT	2018 & newer	5000-6000	15	501		801F	⚠
	115	Command Thrust Optimax Pro XS CT	All years	5300-6300	15	501		801F	⚠
	115	FourStroke	2018 & newer	5000-6000	15	501		801F	⚠
	115	Offshore	1996 - 2000	4750-5250	15	501		801F	⚠
	115	Optimax	2007 & newer	5000-5750	15	501		801F	⚠
	115	Optimax Pro XS	2014 & newer	5300-6300	15	501		801F	⚠
	115	Saltwater	2004 - 2005	4750-5250	15	501		801F	⚠
	115	Saltwater and Non-Saltwater Models	2001	5000-6000	15	501		801F	⚠
	115	Saltwater EFI	2004 - 2005	5000-6000	15	501		801F	⚠
	115	SeaPro	All years	5000-5500	15	501		801F	⚠
	125	2 Stroke	1995	4750-5250	15	501		801F	⚠
	125	Offshore	all years	4750-5250	15	501		801F	⚠
	125	Saltwater	all years	4750-5250	15	501		801F	⚠
	135	2 Stroke	all years	5000-5600	15	501		801F	⚠
	135	2.0L	1990 - 1997	5000-5600	15	501		801F	⚠
	135	2.0L Offshore	1996 - 1997	5000-5600	15	501		801F	⚠
	135	Optimax	1996 - 2007	5000-5600	15	501		801F	⚠
	135	Optimax	2008 & newer	5250-5750	15	501		801F	⚠

M	HP	Model	Year	WOT RPM	Spines	*Kit MC	*Kit MS	*Kit MT	Prop
Mercury®	135	Verado	2007 - 2010	5200-6400	15	501		801F	
	140	International	2006	5000-5600	15	501		801F	
	150	150 XR6 or XR4 2 Stroke	all years	5000-5600	15	501		801F	
	150	2.0L	all years	5000-5600	15	501		801F	
	150	2.0L EFI	all years	5000-5600	15	501		801F	
	150	2.0L Offshore	all years	5000-5600	15	501		801F	
	150	2.5L Offshore	all years	5000-5600	15	501		801F	
	150	EFI	all years	5000-6000	15	501		801F	
	150	EFI Saltwater	all years	5000-5600	15	501		801F	
	150	FourStroke	2018 & newer	5000-6000	15	501		801F	
	150	Optimax	2004 & newer	5250-5750	15	501		801F	
	150	PRO MAX W/ SPORT MASTER GEARCASE	1998 - 2000	6200-6500	19				
	150	Pro XS	2011 - 2017	5250-5750	19			621	
	150	Pro XS	2018 & newer	5300-6300	19			621	
	150	Saltwater	all years	5000-5600	15	501		801F	
	150	SeaPro	All years	4800-5300	15	501		801F	
	150	Verado	2006 & newer	5800-6400	15	501		801F	
	175	2.5L	all years	5000-5600	15	501		801F	
	175	2.5L EFI	all years	5000-5600	15	501		801F	
	175	2.5L Offshore	all years	5000-5600	15	501		801F	
	175	2.5L Xri	all years	5000-5600	15	501		801F	
	175	EFI	all years	5000-5600	15	501		801F	
	175	FourStroke	2018 & newer	5000-5800	15	501		801F	
	175	Offshore	all years	5000-5600	15	501		801F	
	175	Offshore EFI	all years	5000-5600	15	501		801F	
	175	Optimax	2000 - 2010	5250-5750	15	501		801F	
	175	Pro XS	2008 - 2017	5250-5750	19			621	
	175	Pro XS	2018 & newer	5400-6000	19			621	
	175	Racing DSI Desil	All years	5000-5500	15	501		801F	
	175	Verado	2006 & newer	5800-6400	15	501		801F	
	200	2 Stroke	all years	5000-5600	15	501	701	801F	
	200	2.5L 2 Stroke EFI	all years	5000-5800	15	501	701	801F	
	200	2.5L Offshore	all years	5000-5600	15	501	701	801F	
	200	2.5L Offshore EFI	all years	5000-5800	15	501	701	801F	
	200	2.5L Xri	all years	5000-5800	15	501	701	801F	
	200	200XS ROS	all years	6500-7000	19			621	
	200	3.0L 2 Stroke EFI	all years	4500-5500	15	501	701	801F	
200	EFI	all years	4500-5500	15	501	701	801F		
200	FourStroke	2018 & newer	5000-5800	15	501	701	801F		
200	Offshore	all years	5000-5600	15	501	701	801F		
200	Offshore EFI	all years	5000-5800	15	501	701	801F		
200	Optimax	1998 - 2017	5000-5750	15	501	701	801F		
200	PRO MAX W/ TORQUE MASTER GEARCASE	all years	6200-6500	19					
200	Pro XS	2011 - 2012	5500-6000	19			621		
200	Pro XS	2013 & newer	5000-5750	19			621		
200	Saltwater	all years	5000-5600	15	501	701	801F		
200	Saltwater EFI	all years	5000-5600	15	501	701	801F		
200	Sea Pro	2018 & newer	4600-5400	15	501	701	801F		
200	Sea Pro 5.44in Gearcase	2018 & newer	4600-5400	19			621		
200	SeaPro	All years	4600-5400	15	501	701	801F		

APPLICATION DATA Mercury - Nissan - OMC

*Kit MC	*Kit MS	*Kit MT
MasterGuard Classic	MasterGuard SuperDuty	MasterTorq SDH or FSH

*Kit MC	*Kit MS	*Kit MT
See page 6 for Installation Kit Application Guide		

OMC - Parsun - Suzuki APPLICATION DATA

STEP 1. FIND ENGINE/DRIVE STEP 2. CHOOSE AN INSTALLATION KIT STEP 3. COLORED SHAPE REPRESENTS COMPATIBLE PROPELLER OPTIONS FOUND ON PAGES 34-35.

M	HP	Model	Year	WOT RPM	Spines	*Kit MC	*Kit MS	*Kit MT	Prop
Mercury®	260	2.5 OFFSHORE SPORT W/ SPORT MASTER GEARCASE	1998 - 2000	7300-7700	19			621	
	260	2.5L OFFSHORE W/ CLE GEARCASE	all years	7300-7700	19			621	
	260	2.5L W/ CLE GEARCASE	all years	7300-7700	19			621	
	265	2.5L Offshore	1995	7800-8200	15	501	701	801F	
	265	2.5L SS	1995	7800-8200	15	501	701	801F	
	275	2 Stroke	1990 - 1994	5000-5500	15	501	701	801F	
	275	Offshore	1990 - 1994	5000-5500	15	501	701	801F	
	275	Verado	2005 - 2010	5800-6400	15	501	701	801F	
	280	2.5 EFI 280 SPEEDMASTER GEARCASE	all years	7200-7500	19			621	
	280	2.5 EFI SS 280 SPEEDMASTER GEARCASE	all years	7200-7500	19			621	
	280	2.5 OS 280 SPEEDMASTER GEARCASE	all years	7200-7500	19			621	
	280	2.5 SS 280 HP	all years	7200-7500	19			621	
	280	2.5 XL EFI SALTWATER; XLDTS DTS 280	all years	7200-7500	19			621	
	280	F1	1995 - 2000	8800-9200	19			621	
	300	2.5 DRAG W/ SPORT MASTER GEARCASE	all years	8800-9200	19			621	
	300	2.5 DRAG W/ SPORT MASTER GEARCASE	all years	8800-9200	19			621	
	300	300 PRO MAX W/ FLEET MASTER GEARCASE	all years	5800-6100	19			621	
	300	300 PRO MAX W/ SPORT MASTER GEARCASE	all years	5800-6100	19			621	
	300	300 PRO MAX W/ TORQUE MASTER GEARCASE	all years	5800-6100	19			621	
	300	300X PROMAX TORQUEMASTER GEARCASE	all years	6100-6800	19			621	
	300	FourStroke 5.44in Gearcase	2018 & newer	5200-6000	19			621	
	300	Pro XS	2018 & newer	5600-6200	19			621	
	300	PROMAX 300 X	all years	5800-6100	19			621	
	300	PROMAX 300X TORQUEMASTER GEARCASE	all years	6100-6800	19			621	
	300	S3000 EFI RACE	all years	8800-9200	19			621	
	300	S3000 W/ IV SSM GEARCASE	all years	8800-9200	19			621	
	300	Sea Pro AMS	2018 & newer	4800-5600	15	501	701	801F	
	300	Sea Pro CMS	2018 & newer	4800-5600	15	501	701	801F	
	300	SeaPro	All years	4800-5600	15	501	701	801F	
	300	SeaPro AMS	All years	4800-5600	15	501	701	801F	
	300	Verado	2008 - 2017	5800-6400	15	501	701	801F	
	300	Verado	2018 & newer	5800-6400	15	501	701	801F	
	300	Verado HD	2018 & newer	5800-6400	19			621	
	300	Verado PRO	2011 & newer	5800-6400	15	501	701	801F	
	300	X	all years	5600-6200	19			621	
	300	XS 1.62 Gear Ratio	all years	5600-6200	19			621	
	300	XS 1.75 Gear Ratio	all years	5600-6200	19			621	
350	Verado (Use Express Mach3 OS)	2011 2017	6200-6800	15		701	801F		
350	Verado HD (Use Express Mach3 OS)	2018 & newer	5800-6400	19			621		
400	400R (Use Express Mach3 OS)	all years	6400-7000	19			621		
Nissan®	8	4 Stroke	all years	5000-6000	12	208			
	8	NS8B	1991 - 2003	4500-5500	12	208			
	9.8	4 Stroke	all years	5000-6000	12	208			
	9.8	NS9.8	all years	5000-5800	12	208			
	9.9	NS9.9	all years	4500-5300	14	207			
	9.9	NSF9.9	all years	4500-5500	14	207			
	15	4 Stroke	all years	5000-6000	14	207			

APPLICATION DATA Suzuki - Tohatsu - Volvo Penta

*Kit MC	*Kit MS	*Kit MT
MasterGuard Classic	MasterGuard SuperDuty	MasterTorq SDH or FSH

*Kit MC	*Kit MS	*Kit MT
See page 6 for Installation Kit Application Guide		

Volvo Penta - Yamaha APPLICATION DATA

STEP 1. FIND ENGINE/DRIVE STEP 2. CHOOSE AN INSTALLATION KIT STEP 3. COLORED SHAPE REPRESENTS COMPATIBLE PROPELLER OPTIONS FOUND ON PAGES 34-35.

M	HP	Model	Year	WOT RPM	Spines	*Kit MC	*Kit MS	*Kit MT	Prop
Suzuki®	200	DF200AT (Use Express Mach3 OS)	2014 & newer	5500-6100	15	707			★
	200	DF200AZ (Use Express Mach3 OS)	2014 & newer	5500-6100	15	707			★
	200	DT200	1986 - 2003	5000-5600	15	507	707		★
	225	DF225 (Use Express Mach3 OS)	all years	5000-6000	15	707			★
	225	DT225	1986 - 2003	5000-5600	15	507	707		★
	250	DF250 (Use Express Mach3 OS)	all years	5500-6100	15	707			★
	250	DF250AP (Use Express Mach3 OS)	2014 & newer	5500-6100	15	707			★
	250	DF250SS (Use Express Mach3 OS)	2008 & newer	5300-6300	15	707			★
	300	DF300 (Use Express Mach3 OS)	all years	5500-6100	15	707			★
	300	DF300AP (Use Express Mach3 OS)	2014 & newer	5700-6300	15	707			★
Tohatsu®	8	4 Stroke	all years	5000-6000	12	208			★
	8	M8B	1991 - 2003	4500-5500	12	208			★
	9.8	4 Stroke	all years	5000-6000	12	208			★
	9.8	M9.8	all years	5000-5800	12	208			★
	9.9	M9.9	all years	4500-5300	14	207			★
	9.9	MFS9.9	all years	4500-5500	14	207			★
	15	4 Stroke	all years	5000-6000	14	207			★
	15	M15	1985 - 2000	4750-5500	14	207			★
	18	4 Stroke	all years	5000-6000	14	207			★
	18	M18	1985 - 1997	4750-5500	14	207			★
	18	M18	1998 & newer	5200-5800	14	207			★
	20	4 Stroke	all years	5400-6100	14	207			★
	25	4 Stroke	all years	5000-6000	10	28			★
	25	M25	all years	4800-5500	10	28			★
	25	MFS25	all years	5000-6000	10	28			★
	30	4 Stroke	all years	5250-6250	10	28			★
	30	M30	all years	5150-5850	10	28			★
	40	M40A TLDI (don't use 12" dia Prop)	all years	5150-5850	13	13			★
	40	M40C (don't use 12" dia Prop)	1984 - 1998	5200-5800	13	13			★
	40	M40D (don't use 12" dia Prop)	all years	5000-5700	13	13			★
	40	MFS40 (don't use 12" dia Prop)	all years	5000-6000	13	13			★
	50	50A (don't use 12" dia Prop)	2016 & newer	5000-6000	13	13			★
	50	M50A TLDI (don't use 12" dia Prop)	all years	5150-5850	13	13			★
	50	M50C (don't use 12" dia Prop)	1987 - 1990	5000-6000	13	13			★
	50	M50D (don't use 12" dia Prop)	1991 - 2001	5000-5700	13	13			★
	50	MFS50 (don't use 12" dia Prop)	all years	5000-6000	13	13			★
	55	M55 (don't use 12" dia Prop)	1981 - 1988	5000-6000	13	13			★
	60	BFT60	2014 & newer	5000-6000	15	507			★
	60	BFTW60	2014 & newer	5000-6000	15	507			★
	60	M60A (don't use 12" dia Prop)	1986 - 1990	5000-6000	13	13			★
	60	M60B (don't use 12" dia Prop)	1992 - 1997	4500-5500	13	13			★
	60	M60C (don't use 12" dia Prop)	1998 - 1999	5150-5850	13	505			★
	60	MFS60 (don't use 12" dia Prop)	all years	5000-6000	13	13			★
	60	MFS60 (don't use 12" dia Prop)	all years	5000-6000	13	13			★
	70	M70 TLDI	all years	5150-5850	15	505			★
	70	M70A	1981 - 1991	5000-5500	13	13			★
	70	M70B	1991 - 1997	4900-5600	13	13			★
	70	M70C	1998 - 2001	5150-5850	15	505			★
	75	BFT75	2014 - 2020	5300-6300	15	507			★
	75	MFS75	all years	5150-5850	15	505			★

M	HP	Model	Year	WOT RPM	Spines	*Kit MC	*Kit MS	*Kit MT	Prop
Tohatsu®	90	BFT90	2014 - 2020	5300-6300	15	507			★
	90	M90 TLDI	all years	5150-5850	15	505			★
	90	M90A	all years	5000-5500	15	505			★
	90	MFS90	all years	5150-5850	15	505			★
	100	MFS100	all years	5150-5850	15	505			★
	115	BFT115	2014 - 2020	4500-6000	15	508			★
	115	M115	all years	5200-5700	15	505			★
	115	M115 TLDI	all years	5150-5850	15	505			★
	115	MFS115	all years	5150-5850	15	505			★
	120	M120A	all years	5200-5700	15	505			★
	140	M140A	all years	5200-5700	15	505			★
	140	MFS140	all years	5150-5850	15	505			★
	150	BFT150	all years	4500-6000	15	508			★
	200	BFT200	all years	5000-6300	15	508	708		★
	225	BFT225	all years	5000-6300	15	508	708		★
Volvo Penta®	250	BFT250	all years	5300-6300	15	508	708		★
	59	MD22P SX Drive	1995 - 1999	3600-4000	19	504			★
	71	TMD22P SX Drive	all years	4100-4500	19	504			★
	75	AQD21A, D21A, D21 w/ 280D Drive (Use 4 Blade Prop)	1975	4400-4500	17	510			★
	83	D27 w/ 200 Drive (Use 4 Blade Prop)	1965	3800-4000	17	510			★
	98	TAMD22P SX Drive	all years	4100-4500	19	504			★
	106	D32 AQD32A w/ 270D or 280D Drive (Use 4 Blade Prop)	1973-1975	3800-4000	17	510			★
	120	AQ120 w/ 200 Drive (Use 4 Blade Prop)	1966	4600-5100	17	510			★
	120	AQ131 230 Series w/ 290 Drive (Use 4 Blade Prop)	1989-1993	4700-5000	17	510			★
	120	AQ131C w/ 290 Drive (Use 4 Blade Prop)	1988-1992	4400-4800	17	510			★
	120	AQ131C w/ 290 Drive (Use 4 Blade Prop)	1988-1993	4400-4800	17	510			★
	122	AD31L SX Drive	all years	3200-3800	19	504			★
	122	AD31L SX Drive	all years	3200-3800	19	504			★
	122	D3-130 SX Drive	all years	3800-4000	19	504			★
	130	AQ130A w/ 250D Drive (Use 4 Blade Prop)	1968	4600-5100	17	510			★
	130	AQ130C w/ 270D Drive (Use 4 Blade Prop)	1973	4600-5100	17	510			★
	130	AQ130C w/ 270D Drive (Use 4 Blade Prop)	1974	5000-5500	17	510			★
	130	AQ130C w/ 270TD Drive (Use 4 Blade Prop)	1972	4600-5100	17	510			★
	130	AQ130C w/ 270TD Drive (Use 4 Blade Prop)	1974	5000-5500	17	510			★
	130	AQ130D w/ 280D Drive (Use 4 Blade Prop)	1975	5000-5500	17	510			★
	130	AQAD31 w/ 290DP (Use 4 Blade Prop)	1989	3600-3800	17	510			★
	130	D3-130A SX Drive	all years	3800-4000	19	504			★
	130	D40 AQD40A w/ 280B Drive (Use 4 Blade Prop)	1976	3600-3800	17	510			★
	135	3.0L GL SX Drive	all years	4200-4600	19	504			★
	135	3.0L GS SX Drive	all years	4200-4600	19	504			★
	138	AQ140 w/ 280D Drive (Use 4 Blade Prop)	1975	4500-5100	17	510			★
	138	AQ145A w/ 280D Drive (Use 4 Blade Prop)	1979-1993	4500-5100	17	510			★
	141	AD31P SX Drive	all years	3800-3900	19	504			★
	146	AQ151 250 Series w/ 290 Drive (Use 4 Blade Prop)	1990-1993	4800-5500	17	510			★
	155	D3-160 SX Drive	all years	3800-4000	19	504			★
	160	D3-160A SX Drive	all years	3800-4000	19	504			★

M	HP	Model	Year	WOT RPM	Spines	*Kit MC	*Kit MS	*Kit MT	Prop
Volvo Penta®	167	AQ171 251 DOHC Series w/ 290 Drive (Use 4 Blade Prop)	1990-1993	5000-5700	17	510			
	170	AQ170B/C w/ 280C/TC Drive (Use 4 Blade Prop)	1973-1976	4600-5000	17	510			
	175	AQ175 430 Series w/ 290 Drive (Use 4 Blade Prop)	1990-1993	4100-4500	17	510			
	181	D3-190 SX Drive	all years	3800-4000	19	504			
	190	4.3L GL SX Drive	all years	4200-4600	19	504			
	190	5.0L FL SX Drive	all years	4200-4600	19	504			
	200	AD41 w/ 290 Drive (Use 4 Blade Prop)	1990-1993	3800-3900	17	510			
	200	AQ200D w/ 280B Drive (Use 4 Blade Prop)	1977	4000-4400	17	510			
	205	4.3L Gi SX Drive	all years	4400-4800	19	504			
	205	4.3L GS SX Drive	all years	4400-4800	19	504			
	205	AQ205 431 Series w/ 290 Drive (Use 4 Blade Prop)	1989-1993	4400-4800	17	510			
	210	AQ210A w/ 270B Drive (Use 4 Blade Prop)	1970	3800-4000	17	510			
	210	AQ211 500 Series w/ 290 Drive (Use 4 Blade Prop)	1989-1993	4000-4400	17	510			
	220	5.0L Fi SX Drive	all years	4200-4600	19	504			
	220	5.0L GL SX Drive	all years	4400-4800	19	504			
	225	4.3L GXi SX Drive	all years	4400-4800	19	504			
	225	AQ225A w/ 280 Drive (Use 4 Blade Prop)	1973	4000-4400	17	510			
	225	AQ240A w/ 280B Drive (Use 4 Blade Prop)	1974	4000-4400	17	510			
	229	AQ231 501 Series w/ 290 Drive (Use 4 Blade Prop)	1989-1993	4200-4600	17	510			
	231	AQ240A w/ 280B Drive (Use 4 Blade Prop)	1976-1978	3800-4200	17	510			
	235	5.8L FL SX Drive	all years	4000-4400	19	504			
	250	5.0L Gi SX Drive	all years	4400-4800	19	504			
	250	5.7L GS SX Drive	all years	4400-4800	19	504			
	255	5.8L Fi SX Drive	all years	4000-4400	19	504			
	260	5.7L GL SX Drive	all years	4400-4800	19	504			
	260	AQ260A w/ 280B Drive (Use 4 Blade Prop)	1978	4000-4400	17	510			
	265	5.8L FSi SX Drive	all years	4200-4600	19	504			
	270	5.0L GXi SX Drive	all years	4600-5000	19	504			
	275	AQ271 570 Series w/ 290 Drive (Use 4 Blade Prop)	1989-1993	4400-4800	17	510			
	280	5.7L Gi SX Drive	all years	4600-5000	19	504			
	280	AQ280A/B w/ 280B Drive (Use 4 Blade Prop)	1978	4700-5200	17	510			
	280	AQ280B w/ 280B Drive (Use 4 Blade Prop)	1978	4700-5200	17	510			
	290	AQ290A w/ 280B Drive (Use 4 Blade Prop)	1978	4700-5200	17	510			
	307	AQ311B 571 Series w/ 290 Drive (Use 4 Blade Prop)	1990 - 1993	4600-5200	17	510			
	310	7.4L Gi SX Drive	all years	4200-4600	19	504			
	320	5.7L GXi SX Drive	all years	4600-5000	19	504			
	375	8.1L Gi SX Drive	all years	4200-4600	19	504			
	375	DPX 385	2001 & newer	4400-4800	19	504			
415	DPX 415	2001 & newer	4400-4800	19	504				
420	8.1L GXi SX Drive	all years	4600-5000	19	504				
475	DPX 500	2001 & newer	4400-4800	19	504				
560	DPX 600	2001 & newer	4400-4800	19	504				
Yamaha®	9.9	F9.9	1990 - 2000	4500-5500	8	205			
	9.9	F9.9	2001 - 2007	4500-5500	8	205			
	15	F15	1999	4500-5500	8	205			
	15	F15C	2006 & newer	5000-6000	8	205			

APPLICATION DATA YAMAHA

*Kit MC	*Kit MS	*Kit MT	*Kit MC	*Kit MS	*Kit MT
MasterGuard Classic	MasterGuard SuperDuty	MasterTorq SDH or FSH	See page 6 for Installation Kit Application Guide		

STEP 1. FIND ENGINE/DRIVE STEP 2. CHOOSE AN INSTALLATION KIT STEP 3. COLORED SHAPE REPRESENTS COMPATIBLE PROPELLER OPTIONS FOUND ON PAGES 34-35.

M	HP	Model	Year	WOT RPM	Splines	*Kit MC	*Kit MS	*Kit MT	Prop
	130	Saltwater	1995 - 2000	5000-6000	15	505		805F (use 805FT with Express Mach3 OS Props)	
	150	C150	1996 - 2000	4500-5500	15	505		805F (use 805FT with Express Mach3 OS Props)	
	150	F150	2004 & newer	5000-6000	15	505		805F (use 805FT with Express Mach3 OS Props)	
	150	HPDI	2000 & newer	4500-5500	15	505		805F (use 805FT with Express Mach3 OS Props)	
	150	P150	1991 - 1993	4500-5500	15	505		805F (use 805FT with Express Mach3 OS Props)	
	150	PRO-V	1990 - 1998	4500-5500	15	505		805F (use 805FT with Express Mach3 OS Props)	
	150	Saltwater	1994 - 1999	4500-5500	15	505		805F (use 805FT with Express Mach3 OS Props)	
	150	Saltwater EFI OX66	all years	4500-5500	15	505		805F (use 805FT with Express Mach3 OS Props)	
	150	V-Max	all years	4500-5500	15	505		805F (use 805FT with Express Mach3 OS Props)	
	150	V-Max EFI OX66	all years	4500-5500	15	505		805F (use 805FT with Express Mach3 OS Props)	
	150	V-Max HPDI	all years	4500-5500	15	505		805F (use 805FT with Express Mach3 OS Props)	
	150	V-Max SHO	2015 & newer	5000-6000	15	505		805F (use 805FT with Express Mach3 OS Props)	
	175	F175	2015 & newer	5000-6000	15	505		805F (use 805FT with Express Mach3 OS Props)	
	175	HPDI	all years	4500-5500	15	505		805F (use 805FT with Express Mach3 OS Props)	
	175	PRO-V	1994 - 1998	4500-5500	15	505		805F (use 805FT with Express Mach3 OS Props)	
	175	Saltwater	all years	4500-5500	15	505		805F (use 805FT with Express Mach3 OS Props)	
	175	V-Max	all years	4500-5500	15	505		805F (use 805FT with Express Mach3 OS Props)	
	175	V-Max HPDI	all years	4500-5500	15	505		805F (use 805FT with Express Mach3 OS Props)	
	175	V-Max SHO	2015 & newer	5000-6000	15	505		805F (use 805FT with Express Mach3 OS Props)	
	200	F200	2002 & newer	5000-6000	15	505	705	805F (use 805FT with Express Mach3 OS Props)	
	200	HPDI	all years	4500-5500	15	505	705	805F (use 805FT with Express Mach3 OS Props)	
	200	PRO-V	1991 - 1998	5000-6000	15	505	705	805F (use 805FT with Express Mach3 OS Props)	
	200	Saltwater EFI OX66	all years	4500-5500	15	505	705	805F (use 805FT with Express Mach3 OS Props)	
	200	V-Max EFI OX66	all years	4500-5500	15	505	705	805F (use 805FT with Express Mach3 OS Props)	
	200	V-Max HPDI 2.6L	all years	4500-5500	15	505	705	805F (use 805FT with Express Mach3 OS Props)	
	200	V-Max HPDI 3.3L	all years	5000-6000	15	505	705	805F (use 805FT with Express Mach3 OS Props)	
	200	VF200 V-Max SHO	2010 & newer	5000-6000	15	505	705	805F (use 805FT with Express Mach3 OS Props)	
	205	4.3L EST Sterndrive	1989 - 1993	4400-4800	15	505	705		
	205	4.3L YEMS Sterndrive	1989 - 1993	4400-4800	15	505	705		
	205	5.0L EST Sterndrive	1989 - 1993	4200-4600	15	505	705		
	205	5.0L YEMS Sterndrive	1989 - 1993	4200-4600	15	505	705		
	225	3.1L V-Max OX66	all years	4500-5500	15	505	705	805F (use 805FT with Express Mach3 OS Props)	
	225	3.3L V-Max HPDI	all years	5000-6000	15	505	705	805F (use 805FT with Express Mach3 OS Props)	
	225	F225	2002 & newer	5000-6000	15	505	705	805F (use 805FT with Express Mach3 OS Props)	
	225	F225 Offshore	2010 & newer	5000-6000	15	505	705	805F (use 805FT with Express Mach3 OS Props)	
	225	Saltwater EFI OX66	all years	4500-5500	15	505	705	805F (use 805FT with Express Mach3 OS Props)	
	225	VF225 V-Max SHO	2010 & newer	5000-6000	15	505	705	805F (use 805FT with Express Mach3 OS Props)	
	250	250 Saltwater OX66	all years	4500-5500	15	505	705	805F (use 805FT with Express Mach3 OS Props)	
	250	3.1L V-Max EFI OX66	all years	4500-5500	15	505	705	805F (use 805FT with Express Mach3 OS Props)	
	250	3.3L V-Max HPDI	all years	5000-6000	15	505	705	805F (use 805FT with Express Mach3 OS Props)	
	250	F250	2005 & newer	5000-6000	15	505	705	805F (use 805FT with Express Mach3 OS Props)	
	250	F250 Offshore	2010 & newer	5000-6000	15	505	705	805F (use 805FT with Express Mach3 OS Props)	
	250	V-Max SHO	2010 & newer	5000-6000	15	505	705	805F (use 805FT with Express Mach3 OS Props)	
	260	5.7L EST Sterndrive	1989 - 1993	4200-4600	15	505	705		
	260	5.7L YEMS Sterndrive	1989 - 1993	4200-4600	15	505	705		
	300	3.3L HPDI	all years	4650-5650	15	505	705		
	300	3.3L V-Max HPDI	all years	4500-6000	15	505	705		
	300	F300	All years	5000-6000	15	505	705	805F (use 805FT with Express Mach3 OS Props)	
	350	F350 (Use Express Mach3 OS)	All years	5000-6000	17		715		

Yamaha® Note: If prop. strikes trim tab, replace with Turning Point Propellers part #41505060.

INSTALLATION/HUB KIT PART LIST

Kit # Part #	Fits Mfg.	Gearcase HP Spline	Use Prop	MasterGuard® Classic Installation Kits 200, 20, & 10 Series [Uses OEM Thrust Washer]	Washer	Nut Spacer	Bushing	Thrust Washer Spacer	Trim Tab
201 11100101	Mercury Mariner	2.5" 6-15hp 8 spline					41201040	41201600	
202 11100201	Evinrude Johnson	2.5" 8-15hp 13 spline					41202040	41202600	
205 11100501	Honda Parsun Yamaha	2.5" 8-20hp 8 spline					41205040	41205600	
206 11100601	Evinrude Johnson Suzuki	2.5" 8-15hp 10 spline					41206040		
207 11100701	Merry Mariner Nissan Tohatsu	2.5" 9.9-20hp 14 spline					41207040	41207600	
208 11100801	Mercury Mariner Nissan Tohatsu	2.5" 8-9.9hp 12 spline					41208040		
21 11200100	Force Mercury Mariner	3" 9.9-25hp 10 spline				41210500	41210400		
22 11200200	Evinrude Johnson	3" 15-30hp 14 spline					41220400		
25 11200500	Parsun Yamaha	3" 20-30hp 10 spline					41250400		
26 11200600	Evinrude Johnson Suzuki	3" 20-30hp 10 spline				41280500	41260400		
28 11200800	Honda Mercury Mariner Nissan Tohatsu	3" 25-30hp 10 spline				41280500	41280400		41280600
11 11300101	Evinrude Johnson Force Mercury Mariner Suzuki	3.5" 25-75hp 13 spline			41160500	41110500	41110401	41120350	
12 11300200	Evinrude Johnson Honda Parsun Yamaha	3.5" 35-75hp 13 spline	 		41510510	41120500	41110401	41120350	
13 11300301	Nissan Tohatsu	3.5" 35-70hp 13 spline			41130500	41110500	41130401	41130510	

INSTALLATION/HUB KIT PART LIST

Kit # Part #	Fits Mfg.	Gearcase HP Spline	Use Prop	MasterGuard® Calssic Installation Kits - 500 Series For All HP with Aluminum Propellers & Stainless Steel Propellers under 200hp	Misc	Washer/ Prop Nut Spacer	Castellated Prop Nut Spacer	Bushing	Thrust Washer
500 11500000	Parsun Yamaha	4.25" 50-100hp 15 spline				Washer 41510510	41410500	41510400	41500900
501 11500100	Force Johnson Honda Mercury Mariner Suzuki	4.25" 4.75" 40-300+hp 15 spline	 		Prop Nut 41501080	Tab Washer 41510700 Washer 41510510	41410500	41510400	41510900
502 11500200	Evinrude Johnson OMC	4.75" 90-300hp 15 spline				Prop Nut Spacer 41520500		41520400	41520900
503 11500300	Evinrude Johnson OMC	4.25" 40-140hp 13 spline				Prop Nut Spacer 41530500		41530400	41530900
504 11500400	OMC Volvo	4.75" 3.0-8.2 Liter 19 spline				Prop Nut Spacer 41540500		41540400	41520900
505 11500500	Nissan Tohatsu Yamaha	4.25" 4.75" 60-300hp 15 spline	 			Washer 41510510	41410500	41510400	41550900
506 11500600	Suzuki	4.25" 60-140hp 13 spline				Prop Nut Spacer 41530500		41530400	41560900
507 11500700	Honda Johnson Suzuki	4.25" 4.75" 60-300hp 15 spline	 			Washer 41510510 Prop Nut Spacer 41570510	41410500	41510400	41570900
508 11500800	Honda	4.75" 115-250hp 15 spline				Washer 41510510	41410500	41510400	41580900
509 11500900	Johnson Suzuki	4.25" 70-115hp 15 spline					41410500	41510400	41590900 41590910
510 11501000	Volvo AQ	4.75" 135- 300+hp 17 spline			BOLT 41510080			41510040	41510090 long shaft also use: 41510100
511 11501100	Evinrude G2 Engines Only	4.75" 150-300hp 15 spline					41410500	41511040	41511090

INSTALLATION/HUB KIT PART LIST

Kit # Part #	Fits Mfg.	Gearcase HP / Spline	Use Prop	MasterTorq® FSH Installation Kit - 621 Series Fat Shaft Hub - Specialized Hub Kits For 1.25" Prop Shafts	Prop Nut	Thin Washer	Cone Washer	Thick Washer	Bushing
621 11602100	Mercury MerCruiser with 1.25" Prop Shaft	4.75" -5.44" 150-400+hp 19 spline			41501080	41621110	41621120	41621100	Spindle 41621040 Inserts x 4 41621020

Kit # Part #	Fits Mfg.	Gearcase HP / Spline	Use Prop	MasterGuard® Super Duty Installation Kits - 700 Series For Stainless Steel Propeller applications 200hp and over	Misc	Washer / Prop Nut Spacer	Castellated Prop Nut Spacer	Bushing	Thrust Washer
701 11700100	Mercury MerCruiser	4.75" 200- 300+hp 15 spline			Prop Nut 41501080	Tab Washer 41510700 Washer 41510510	41410500	41710400	41510900
705 11700500	Yamaha	4.75" 200- 300hp 15 spline			Anode 41505061	Washer 41510510	41410500	41710400	41550900
707 11700700	Johnson Suzuki	4.75" 200- 300hp 15 spline				Washer 41510510 Prop Nut Spacer 41570510	41410500	41710400	41570900
708 11700800	Honda	4.75" 200- 250hp 15 spline				Washer 41510510	41410500	41710400	41580900
711 11701100	Evinrude G2 Engines Only	4.75" 150-300hp 15 spline					41410500	41710040	41511090
715 1170100	Yamaha	5.25" 350hp 17 spline			Lab Ring Spacer 41715080	Washer 41510510 Prop Nut Spacer 41715050		41715010	41715090

Kit # Part #	Fits Mfg.	Gearcase HP / Spline	Use Prop	MasterTorq® SDH Installation Kits - 800 Series Sound Dampening Hub - Specialized Hub Kits For Noisy Lower Units	Misc	Washer/ Prop Nut Spacer	Castellated Prop Nut Spacer	Bushing	Thrust Washer
800F 11800000	Parsun Yamaha	4.25" 50-100hp 15 spline				Washer 41510510	41805050	41811040	41500900
801F 11800100	Force Johnson Honda Mercury Mariner Suzuki	4.25" 4.75" 40- 300+hp 15 spline	 		Prop Nut 41501080	Tab Washer 41510700 Washer 41510510	41805050	41811040	41510900
805F 11800500	Nissan Tohatsu Yamaha	4.25" 4.75" 60-300hp 15 spline	 			Washer 41510510	41805050	41811040	41550900
805FT 11800510	Yamaha OS Props	4.75" 150- 300hp 15 spline			Anode 41505061	Washer 41510510	41805050	41811040	41550900

ALUMINUM PROPELLER PART LIST

 Left Rotation  Right Rotation (standard)

INSTALLATION KIT REQUIRED FOR ALL PROPS - SEE PAGES 10-17 TO FIND THE COMPATIBLE INSTALLATION KIT AND PROPELLER FOR YOUR ENGINE/DRIVE.

Prop	Part #	B	R	Props For 2.5" Gearcase Use 200 Series Installation Kits	Prop	Part #	B	R	Props For 4.25" Gearcase Use 500 Series Installation Kits
	21100910	3		Hustler 9 X 9 Prop Housing		21431111	3		Hustler 14 X 11 Prop Housing
	21101010	3		Hustler 9 X 10 Prop Housing		21431311	3		Hustler 14X13 Prop Housing
	21110910	3		Hustler 9 X 9 Prop Housing		21431511	3		Hustler 13.75 X 15 Prop Housing
	21111010	3		Hustler 9 X 10 Prop Housing		21431711	3		Hustler 13.25 X 17 Prop Housing
Prop	Part #	B	R	Props For 3" Gearcase Use 20 Series Installation Kits	Prop	Part #	B	R	Props For 13.25 X 19 Prop Housing
	21201110	3		Hustler 10.5 X 11 Prop Housing		21431911	3		Hustler 13.25 X 19 Prop Housing
	21201310	3		Hustler 10.125 X 13 Prop Housing		21432111	3		Hustler 13.25 X 21 Prop Housing
	21211110	3		Hustler 10.375 X 11 Prop Housing		21432311	3		Hustler 13.25 X 23 Prop Housing
	21211310	3		Hustler 10.375 X 13 Prop Housing		21431130	4		Hustler 14 X 11 Prop Housing (Swept Cleaver Series)
	21221110	3		Hustler 10.5 X 11 Prop Housing		21431330	4		Hustler 14 X 11 Prop Housing (Swept Cleaver Series)
	21221310	3		Hustler 10.125 X 13 Prop Housing		21431530	4		Hustler 13.5 X 15 Prop Housing (Swept Cleaver Series)
Prop	Part #	B	R	Props For 3.5" Gearcase Use 10 Series Installation Kits	Prop	Part #	B	R	Props For 13.25 X 17 Prop Housing (Swept Cleaver Series)
	21301110	3		Hustler 10.875 X 11 Prop Housing		21431730	4		Hustler 13.25 X 17 Prop Housing (Swept Cleaver Series)
	21301210	3		Hustler 10.75 X 12 Prop Housing		21431930	4		Hustler 13 X 19 Prop Housing (Swept Cleaver Series)
	21301310	3		Hustler 10.5 X 13 Prop Housing		21432130	4		Hustler 13 X 21 Prop Housing (Swept Cleaver Series)
	21301410	3		Hustler 10.375 X 14 Prop Housing	Prop	Part #	B	R	Props For 4.75" Gearcase Use 500/621 Series Installation Kits
	21301510	3		Hustler 10.125 X 15 Prop Housing		21501511	3		Hustler 15.25 X 15 Prop Housing
	21300810	3		Hustler 12.5 X 8 Prop Housing		21501711	3		Hustler 14.25 X 17 Prop Housing
	21301010	3		Hustler 12 X 10.5 Prop Housing		21501911	3		Hustler 14.25 X 19 Prop Housing
	21311710	3		Hustler 11.75 X 17 Prop Housing		21502111	3		Hustler 14.25 X 21 Prop Housing
	21310810	3		Hustler 12.5 X 8 Prop Housing		21502311	3		Hustler 14.25 X 23 Prop Housing
	21311010	3		Hustler 12 X 10.5 Prop Housing		21501530	4		Hustler 15 X 15 Prop Housing (Dual Geometry Series)
	21311310	3		Hustler 12.5 X 13 Prop Housing		21501540	4		Hustler 15 X 15 Prop Housing (Dual Geometry Series)
	21311510	3		Hustler 12.25 X 15 Prop Housing		21501730	4		Hustler 14.5 X 17 Prop Housing (Dual Geometry Series)
						21501930	4		Hustler 14.5 X 17 Prop Housing (Dual Geometry Series)
						21501940	4		Hustler 14 X 19 Prop Housing (Dual Geometry Series)
						21502131	4		Hustler 14 X 19 Prop Housing (Dual Geometry Series)
						21502141	4		Hustler 14 X 21 Prop Housing (Dual Geometry Series)



STAINLESS STEEL PROPELLER PART LIST

 Left Rotation  Right Rotation (standard)

INSTALLATION KIT REQUIRED FOR ALL PROPS - SEE PAGES 10-17 TO FIND THE COMPATIBLE INSTALLATION KIT AND PROPELLER FOR YOUR ENGINE/DRIVE.

Prop	Part #	B	R	Props For 3" Gearcase Use 20 Series Installation Kits			
	31201111	3		Express	Mach3	10.5 X 11	Prop Housing
	31201311	3		Express	Mach3	10.125 X 13	Prop Housing
	31211111	3		Express	Mach3	10.375 X 11	Prop Housing
	31211311	3		Express	Mach3	10.375 X 13	Prop Housing
	31221111	3		Express	Mach3	10.5 X 11	Prop Housing
	31221311	3		Express	Mach3	10.125 X 13	Prop Housing
Prop	Part #	B	R	Props For 3.5" Gearcase Use 10 Series Installation Kits			
	31301212	3		Express	Mach3	10.75 X 12	Prop Housing
	31301312	3		Express	Mach3	10.5 X 13	Prop Housing
	31301412	3		Express	Mach3	10.375 X 14	Prop Housing
Prop	Part #	B	R	Props For 4.25" Gearcase Use 500/800 Series Installation Kits			
	31431512	3		Express	Mach3	13.75 X 15	Prop Housing
	31431712	3		Express	Mach3	13.25 X 17	Prop Housing
	31431912	3		Express	Mach3	13.25 X 19	Prop Housing
	31432112	3		Express	Mach3	13.25 X 21	Prop Housing
	31430930	4		Express	Mach4	14 X 9	Prop Housing (Swept Cleaver Series)
	31431130	4		Express	Mach4	14 X 11	Prop Housing (Swept Cleaver Series)
	31431330	4		Express	Mach4	14 X 13	Prop Housing (Swept Cleaver Series)
	31431530	4		Express	Mach4	13.5 X 15	Prop Housing (Swept Cleaver Series)
	31431540	4		Express	Mach4	13.5 X 15	Prop Housing (Swept Cleaver Series)
	31431730	4		Express	Mach4	13.25 X 17	Prop Housing (Swept Cleaver Series)
	31431740	4		Express	Mach4	13.25 X 17	Prop Housing (Swept Cleaver Series)
	31431930	4		Express	Mach4	13 X 19	Prop Housing (Swept Cleaver Series)
	31431940	4		Express	Mach4	13 X 19	Prop Housing (Swept Cleaver Series)
	31432130	4		Express	Mach4	13 X 21	Prop Housing (Swept Cleaver Series)
	31422140	4		Express	Mach4	13 X 21	Prop Housing (Swept Cleaver Series)
	31432330	4		Express	Mach4	13 X 23	Prop Housing (Swept Cleaver Series)
	31422340	4		Express	Mach4	13 X 23	Prop Housing (Swept Cleaver Series)
	Compatible with Competitors' Hub & Prop Systems						
	Works with Mercury® Flo-Torq II®, Michigan Wheel®						
	XHS®, Solas® Rubex™						

Prop	Part #	B	R	Props For 4.75" + Gearcase Use 500/621/700/800 Series Installation Kits			
	31501512	3		Express	Mach3	15 X 15	Prop Housing
	31501522	3		Express	Mach3	15 X 15	Prop Housing
	31501712	3		Express	Mach3	14.25 X 17	Prop Housing
	31501722	3		Express	Mach3	14.25 X 17	Prop Housing
	31501912	3		Express	Mach3	14.25 X 19	Prop Housing
	31501922	3		Express	Mach3	14.25 X 19	Prop Housing
	31502112	3		Express	Mach3	14.25 X 21	Prop Housing
	31502122	3		Express	Mach3	14.25 X 21	Prop Housing
	31502311	3		Express	Mach3	14.25 X 23	Prop Housing
	31502321	3		Express	Mach3	14.2 5X 23	Prop Housing
	31501330	4		Express	Mach4	15 X 13	Prop Housing (Dual Geometry Series)
	31501340	4		Express	Mach4	15 X 13	Prop Housing (Dual Geometry Series)
	31501532	4		Express	Mach4	15 X 15	Prop Housing (Dual Geometry Series)
	31501532	4		Express	Mach4	15 X 15	Prop Housing (Dual Geometry Series)
	31501731	4		Express	Mach4	14.5 X 17	Prop Housing (Dual Geometry Series)
	31501731	4		Express	Mach4	14 X 17	Prop Housing (Dual Geometry Series)
	31501931	4		Express	Mach4	14 X 19	Prop Housing (Dual Geometry Series)
	31501931	4		Express	Mach4	14 X 19	Prop Housing (Dual Geometry Series)
	31502131	4		Express	Mach4	14 X 21	Prop Housing (Dual Geometry Series)
	31502131	4		Express	Mach4	14 X 21	Prop Housing (Dual Geometry Series)
	31502331	4		Express	Mach4	14.3 X 23	Prop Housing (Dual Geometry Series)
	31502331	4		Express	Mach4	14.3 X 23	Prop Housing (Dual Geometry Series)
OS SERIES - Larger Diameter Propellers							
	31511110	3		Express	Mach3 OS	15.6 X 11	Prop Housing
	31511120	3		Express	Mach3 OS	15.6 X 11	Prop Housing
	31511310	3		Express	Mach3 OS	15.6 X 13	Prop Housing
	31511320	3		Express	Mach3 OS	15.6 X 13	Prop Housing
	31511510	3		Express	Mach3 OS	15.6 X 15	Prop Housing
	31511520	3		Express	Mach3 OS	15.6 X 15	Prop Housing
	31511710	3		Express	Mach3 OS	15.6 X 17	Prop Housing
	31511720	3		Express	Mach3 OS	15.6 X 17	Prop Housing
	31511910	3		Express	Mach3 OS	15.6 X 19	Prop Housing
	31511920	3		Express	Mach3 OS	15.6 X 19	Prop Housing
	31512110	3		Express	Mach3 OS	15.6 X 21	Prop Housing
	31512120	3		Express	Mach3 OS	15.6 X 21	Prop Housing
	31512310	3		Express	Mach3 OS	15.6 X 23	Prop Housing
	31512320	3		Express	Mach3 OS	15.6 X 23	Prop Housing
	31512510	3		Express	Mach3 OS	15.6 X 25	Prop Housing
	31512520	3		Express	Mach3 OS	15.6 X 25	Prop Housing
	31512710	3		Express	Mach3 OS	15.6 X 27	Prop Housing
	31512720	3		Express	Mach3 OS	15.6 X 27	Prop Housing



QUICK REFERENCE QR LINKS

PROP RECOMMENDATIONS

[Real Human Expert Guidance & Support]



(+1) 904.900.7739 x1 (M-F 9am-5pm ET)

Prop Wizard

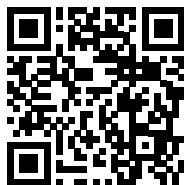
[Online Propeller Application Guide]



<https://tpprops.com/PROPWIZARD>

Part Number Crossover

[OEM & Aftermarket to Turning Point]



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Prop Exchange Form

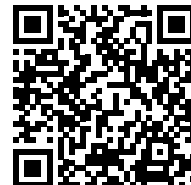
[Wrong Pitch, Exchange Your Prop Today]



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Installation Instructions

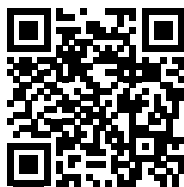
[Installation/Hubs and Prop Housings]



<https://tpprops.com/instructions>

Dealer Locator

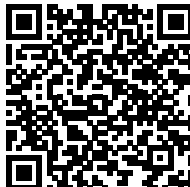
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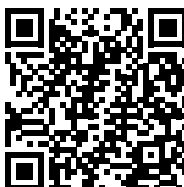
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