

1999-2000 Catalog

RAPTURE

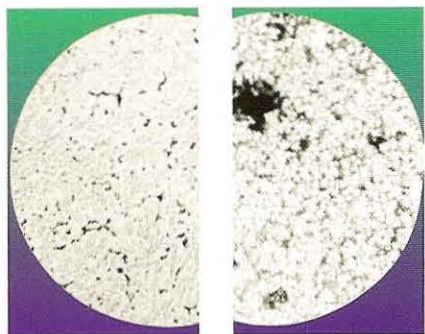
 **MICHIGAN
MATCH**
REPLACEMENT PROPELLERS

- Evinrude®
- Johnson®
- OMC
- Force
- Chrysler
- US Marine
- Mariner®
- Mercury®
- Mercruiser®
- Honda
- Nissan
- Tohatsu
- Suzuki
- SX Cobra™
- Volvo Penta®
- Yamaha

 Michigan
Wheel
Corporation

Outboard & Sterndrive Propellers

We make Hundreds of props to fit Thousands of boats proven over Millions of miles



The tighter grain and compact structure of the Michigan Wheel prop on the left make it nearly twice as strong and less susceptible to damage than the ordinary prop on the right.

OUR EXCLUSIVE, HIGH-STRENGTH ALLOYS MEAN LONGER PROP LIFE

The quality of any product begins with the materials that go into it. While some manufacturers skimp by using lower grade metal, Michigan Wheel uses only the finest grade alloys. We will settle for nothing less. That's why our aluminum props are stronger than original equipment props. Other manufacturers' products may look similar on the surface, but the high magnification photos above reveal startling differences in quality.

The photo above shows the metal used in our aluminum prop. The tight, uniform grain of the metal makes it nearly twice as strong as the typical aluminum prop on the right. Notice how the ordinary prop is powdered. Our high strength alloys cost us a little more. But that cost is insignificant when measured against the trouble-free repairability of Michigan Wheel props.

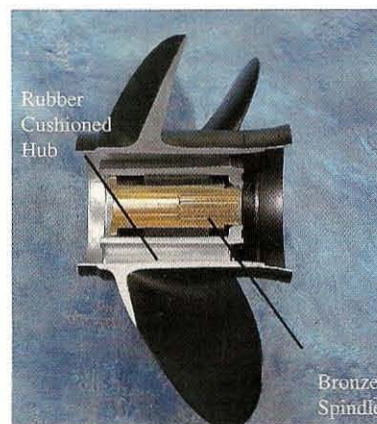
Michigan Wheel Exclusive Alloys	Tensile Strength lbs. psi	Yield Strength	Elongation
MICHALLUM® (Aluminum)	40,000	18,000	9
MICHALLOY-S™ (15-5 Stainless Steel)	80,000	70,000	3
NIBRAL	95,000	40,000	23

MICHALLUM® Aluminum Prop	Ordinary Aluminum Prop
Tensile strength: 40,000 lbs psi	Tensile strength: 22,000 psi
Less brittle	More brittle
Blades flex under impact	Blades tend to break and tear under impact
Easy to repair	Difficult to repair
Easy to change pitch	Breaks easily in straightening process

CUSHIONED HUBS PROTECT MOTORS AND SHAFTS

Our cushioned hubs are another source of strength. The rubber hub bonded inside every Michigan Wheel prop helps protect expensive shafts, motors and gearboxes from damage caused by the propeller's impact with an object, and it absorbs the stress caused by shifting gears. With a Michigan Wheel prop, you get the strongest cushioned hubs in the industry.

At Michigan Wheel we understand the beating your props take. That's why we make Michigan Wheel props this tough. The whole idea is to give you more time for boating fun.



Michigan Wheel's cushioned hub is made of a special bronze alloy for superior strength.

It's simple. Michigan Wheel makes more kinds of props for more kind of boats than anyone else. We make them better. And we've been making them for almost 90 years. So no matter what you have in mind – cruising, waterskiing, fishing, whatever – Michigan Wheel has a prop to match your specific performance needs. More combinations of metal, diameter, pitch and rotation are available from Michigan Wheel than any other manufacturer.

IMPORTANT NOTE: If you are replacing a prop and can't find the part number listed in this catalog, your Michigan Wheel dealer or distributor can help. He will consult the Michigan Wheel Index of Outboard and Stern Drive Propellers. From this index, which provides part numbers for every Michigan Wheel prop produced since we began in 1903, your dealer can determine the specifications you need.

3 BLADE INBOARD SKI BOAT PROPELLERS DYNA JET CUPPED

Michigan Wheel Corporation's Federal Series ski boat propellers provide consistent response to your throttle commands. These propellers are made of a NIBRAL alloy which provides extra strength, less flex, and greater durability. All are cupped to minimize the performance draining effects of cavitation.



Diam. x Pitch	Rotation	Bore	MWC Part No.
13" X 12"	LH	1"	310649
13" X 12.5"	LH	1 1/8"	310625
13" X 13"	RH	1"	310660
13" X 13"	LH	1"	310661
13" X 13"	LH	1 1/8"	310659
13" X 13.5"	LH	1 1/8"	310705
13" X 14"	RH	1"	310724
13" X 14"	LH	1"	310725
13" X 14"	LH	1 1/8"	310727
13" X 15"	LH	1"	310763
13" X 15"	LH	1 1/8"	310765
13" X 15.5"	LH	1 1/8"	310801
13" X 17"	RH	1"	310836
14" X 15"	RH	1"	311244
14" X 16"	RH	1"	311284
14" X 18"	RH	1 1/8"	311360
14" X 18"	LH	1 1/8"	311361

• All styles are Dyna Jet Cup • Dynamic Balancing

When ordering a new propeller, determine the diameter, pitch, rotation, and bore size of your current propeller.

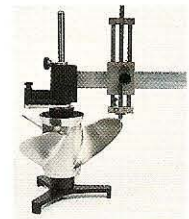
PROPELLER ACCESSORIES AND REPAIR EQUIPMENT



- 1) Hub Insert
- 2) Diffuser Rings
- 3) Caps
- 4) Bushings



Hub Extractor Cupping Block
Cup Gauges



Pitchmeter



Pitch Block

Propeller Selection

The propeller that came with your new engine isn't necessarily the one that is best suited to your needs. This is because many original equipment props, understandably, are made to meet a range of average conditions for many kinds of boats, hull styles, and loads. This can limit their performance. What you need is a propeller specifically selected for your kind of boat, and your style of boating.

After a careful review of the information you provide on our exclusive Prop-It-Right analysis form, our distributors can suggest the optimal propeller in terms of style, diameter, pitch, and material for your boat.

Your Michigan Wheel dealer is backed by an experienced distributor network. Their expertise along with the tremendous body of propeller knowledge and research developed by Michigan Wheel, all help to achieve our single most important goal — to provide you with the Michigan Wheel propeller that will give you the greatest enjoyment on the water.

Propeller Information

Propeller Size: The size of a propeller is described using two sets of numbers. These correspond to the diameter and pitch. The pitch always follows the diameter when describing a propeller.

Diameter: Diameter is two times the distance from the center of the hub to the tip of the blade. It also can be looked at as the distance across the circle that the propeller would make when rotating. It is the first number listed when describing a propeller.

Pitch: Pitch is defined as the theoretical forward movement of a propeller during one revolution — assuming there is no "slippage" between the propeller blade and the water. For most boats, there is slippage and therefore the distance advanced is less than the design pitch. The amount of slippage varies from boat to boat. Pitch is the second number listed in the propeller description.

Cupping: Many of today's propellers incorporate a cup at the trailing edge of the propeller blade. This curved lip on the propeller allows it to get a better bite on the water. This results in reduced ventilation, slipping, and allows for a better hole shot in many cases. A cupped propeller also works very well where the motor can be trimmed so that the propeller is near the surface of the water. The cup will typically result in higher top end speed on one of these applications.

Ventilation: Ventilation is a situation where surface air or exhaust gases are drawn into the propeller blades. When this situation occurs, boat speed is lost and engine RPM climbs rapidly. This can result from excessively tight cornering, a motor that is mounted very high on the transom, or by over-trimming the engine.

Cavitation: Cavitation (which is often confused with ventilation), is a phenomena of water vaporizing or "boiling" due to the extreme

reduction of pressure on the back of the propeller blade. Many propellers partially cavitate during normal operation, but excessive cavitation can result in physical damage to the propeller's blade surface due to the collapse of microscopic bubbles on the blade.

There may be numerous causes of cavitation such as incorrect matching of propeller style to application, incorrect pitch, physical damage to the blade edges, etc.

Be advised disturbances in the water flow forward of the propeller can result in blade damage which appears to be blade cavitation, but is actually due to non-favorable water flow into the propeller.

Rake: Rake is the degree that the blades slant forward or backwards in relation to the hub. Rake can affect the flow of water through the propeller, and has implications with respect to boat performance.

Aft rake helps to trim the bow of the boat upwards, which often results in less wetted surface area and therefore higher top end speed. Aft rake propellers also typically "bite" better on ventilating type applications.

Forward, or negative rake, helps hold the bow of the boat down. This is more common in workboat type applications.

Selecting the right propeller for your boat and engine combination: The proper propeller size for your boat and engine combination is based on the wide open throttle operating range for your particular engine. This can be located in your operator's manual. This will be expressed in terms of a certain horsepower at a certain RPM.

The goal in propeller selection is to determine what propeller style and size will maximize performance for your boat, while allowing your

engine to operate in the recommended RPM range. The correct propeller will prevent the engine from over-revving, yet allow it to reach the minimum RPM where maximum horsepower is produced.

Using your existing propeller, determine what is the maximum RPM you are able to obtain. If during this test, you begin to exceed the maximum rated RPM of the engine, reduce throttle setting to a position where maximum RPM is not exceeded.

If your test results in your being able to over-rev the engine, you need to increase the pitch of the propeller. Increasing the pitch increment by 2" will result in approximately a 300-400 RPM drop. If your testing shows, however, that you are only able to obtain an RPM somewhat lower than the maximum rating given by your engine manufacturer, you would need to decrease pitch. Decreasing pitch would increase your RPM.

Switching from an uncupped to a cupped propeller will also reduce your RPM. The cupped propeller of the same pitch and diameter will typically reduce your RPM by approximately 200.

Once your wide open throttle RPM falls within the recommended range of the engine manufacturer, you have a propeller that is suited correctly for your boat with respect to RPM. You may, however, not be satisfied with respect to skiing performance or trolling speed. It is best in circumstances like this to have two propellers. One to accommodate one set of circumstances and the other to perform best under the different load. It could, in fact, be that more than one propeller will be suitable for your boat and motor combination depending on your usage. It is imperative, however, that the wide open throttle RPM fall within the range specified by your engine manufacturer.

Spare Propellers

At all times you should have a spare propeller with you in the boat. Boating without a spare propeller is similar to driving a car without a spare tire. Once that propeller is damaged, you may be out of luck without having a spare propeller along.

Your local dealer can help you select the Michigan Wheel propeller that is correct for your application. Providing him with the information on our Prop-It-Right analysis form will give him the data necessary to help you select the proper propeller for your boat.

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Inboard Ski Propellers - Page 3

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How to Read This Catalog

Example Application: 18' Runabout used mainly for skiing and cruising with the family.

1988, 120HP Johnson Outboard. Customer wants a cupped, aluminum propeller.

- 1) If original equipment part number is known, refer to cross reference on pages 24-30, or:
- 2) Determine what kind of motor you have and locate that section in the catalog using the index above.
- 3) Locate the section on the page that contains the horsepower and year of your motor.
- 4) Determine what size boat you have and how you use it. (fishing, waterskiing, cruising, etc...)
- 5) Find the boat size and use in the motor section that contains your motor and best describes your vessel and usage. All the propellers in the section will fit your motor. Pick the one in line with your boat size.
- 6) Once this is located, read across to obtain the propeller that will be most suited for your application.
- 7) If stainless steel is desired, read across to the correct column for the part number.
- 8) If aluminum is desired, read across to the correct column for the part number.
- 9) Use the Michigan Part Number to order your new propeller.

EVINRUDE®, JOHNSON® (CONTINUED)

OUTBOARD

Motor & Model	Year	Boat Size & Suggestion	Blades, Diameter Rotation & Pitch	Nearest Michigan Match™		Rapture™ Performance Stainless	
				Aluminum Part No. OEM Michigan	OEM Equivalent Stainless Part No. OEM Michigan	Blades, Diameter Rotation & Pitch	Michigan Part No. Right Left
85 HP	69-80, 91-95	CR, HB	4 14 R 10	12074			
88 HP	81-96	CR, HB	3 14 R 11	382761 012047			
90 HP	81 Thru	CR, HB	3 14 R 13	391668 *011001			
100 HP	79-80, 88-93	CR, HB	4 14 R 12				
110 HP	86-89	24'-1' Bts-SK	3 13-3/4 R 15	391199 *011002	389949 30	3 13-1/4 R 15	130
112 HP	94-96	23'-1' Bts-SK	3 13-3/4 R 17	391199 *011003		3 13-1/4 R 17	130
115 HP	73 Thru	19'-17' Bts-AL, SK	3 13 8 R 17		389948 01301		
120 HP	86-94	22'-11' Bts-SK	3 13 R 17	176215 *011024			
125 HP	71-72	19'-17' Bts-AL, SK	3 13 R 19	390896 *011004	389510 013033	3 13-1/4 R 19	013078
135 HP	73-76	19'-17' Bts-AL, SK	3 14 R 19	176215 *011025			
140 HP	77-94	18'-15' Bts-AL, SK	3 12-3/4 R 21	389788 *011005	389512 013034	3 13-1/4 R 21	013079
Thru Hub Exhaust		18'-15' Bts-AL, SK	3 14 R 21	176216 *011026			

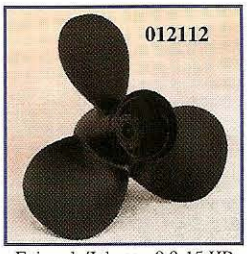
Key to abbreviations: LL: light Loads; SB: Sailboat; AL: All Loads; SK: Skiboat; WB: Workboat; HB: Houseboat; CR: Cruisers; HL: Heavy Loads; WD: Weedless

* If currently using uncupped prop, use cupped prop having 2" less pitch. Boats with power trim use same pitch.

Numeric Part Number Definition

12		3	456
First 2 Digits		3rd Digit	Last 3 Digits
01 OMC	10 Yamaha	1 Cup AL	Reserved
02 Mariner	11 Honda	2 Uncup AL	for
03 Mercury	14 Tohatsu-Nissan	3 Cup SS	Part #
06 Suzuki	15 Misc.	4 Uncup SS	
07 US Marine	16 OMC/Volvo		
08 Volvo-Penta			

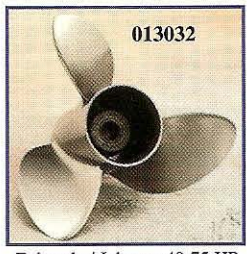
Motor & Model	Year	Boat Size & Suggestion	Blades, Diameter Rotation & Pitch	Nearest Michigan Match™ OEM Equivalent		Rapture™ Performance Stainless	
				Aluminum Part No. OEM Michigan	Stainless Part No. OEM Michigan	Blades, Diameter Rotation & Pitch	Michigan Part No. Right
Portable Engines							
3-4 HP Weedless	52-73	Std. Rep.	3 6-1/8 L 4-1/2	203919	012001		
4 HP	80-83	Hvy Bts./Sailbts.	3 8-1/2 R 7	391096	012031		
4.5 Deluxe	86-95	Std. Rep.	3 8-1/2 R 9	390237	012032		
6, 7.5, 8 HP	80 Thru						
5.5-6 HP	54-65	16'-14' Bts.-LL	3 7-3/4 R 6-1/2		012067		
		14'-12' Bts.-LL	2 8 R 7-1/4	376968	012060		
5 HP	65-68	14'-12' Bts.-LL	3 8 L 7-1/2	380104	012004		
6 HP	66-79	14'-12' Bts.-LL	2 8 R 7-1/4	386955	012005		
		16'-14' Bts.-LL	3 7-3/4 R 6-1/2		012068		
9.5 HP	64-73	24'-20' Bts.-SB					
10 HP	58-63	16'-14' Bts.-AL,SK	3 8-1/4 R 8	387334	012008		
10,12,14, HP***	82-94	16'-14' Runabouts	3 8-1/4 R 9	391534	012101		
Commercial & Workhorse		14'-12' Bts.-LL	3 8-1/4 R 8-1/2	377635	012007		
9.9-15 HP	74 Thru	Heavy Bts.-SB	3 10 R 5	386669	012113		
8,9,9,15 HP (4 Stroke)	95 Thru	16'-14' Bts.-AL,SK	3 10 R 7	398126	012112		
(Thru Hub Exhaust)		Std. Rep.	3 9-1/2 R 10	174950	012111		
10 HP	51-57	14'-12' Bts.-AL	3 9 R 8	277595	012006		
15 HP	53-56	CR, HB, SB	3 9-1/4 R 7	388294	012102		
18 HP	57-73	18'-16' Bts.-HL	3 9 R 8		012014		
20 HP	69-73	Weedless	3 9 R 10	592959	012076		
25 HP	69-77	16'-14' Bts.-HL	3 9 R 9	379717	012109		
Pin Drive		14'-12' Bts.-HL	3 9 R 10	383629	012011		
		14'-12' Bts.-LL	3 9-1/4 R 11	388088	012013		
		14'-12' Bts.-LL	3 9-1/4 R 12		012010		
Compacts							
25 HP	51-55	CR, HB, SB	3 10-1/2 R 10	376738	012027		
28 HP	62-64	19'-17' Bts.-AL,SK	3 10-3/8 R 11-1/2	385955	012023		
30 HP	1956	16'-14' Bts.-AL,SK	3 10-3/8 R 12-1/2	378580	012022		
33 HP	65-70	16'-14' Bts.-AL,SK	3 10-1/2 R 12	380637	012024		
35 HP	57-59	16'-14' Bts.-LL	3 10-3/8 R 13-1/2	378579	012025		
40 HP	60-76	16'-14' Bts.-LL	3 10-1/2 R 13	384460	012028		
40 HP§	78-85	14'-12' Bts.-LL	3 10-3/8 R 14	378571	012026		
Pin Drive							
14 HP	1989	18'-16' Bts.-HL	3 9 R 9	389068	012021		
25 HP	78-84	17'-15' Bts.-AL,SK	3 9 R 10	389069	012015		
25 HP§	78-91	17'-14' Bts.-AL,SK	3 9-1/4 R 11	388883	012016		
28 HP	86-96	17'-14' Bts.-LL	3 9-1/4 R 12	389944	012030		
Spline Drive							
20 HP 2 Cyl.	84-97	CR, HB	3 11-1/4 R 7	387320	012053		
25 HP 2 & 3 Cyl.	84 Thru	20'-17' Bts.-AL,SK	3 11 R 9	386317	012054		
25 HP (Commercial)	93 Thru	18'-16' Bts.-AL,SK	3 10-1/2 R 11	175190	012055		
30 HP 2 Cyl.	84 Thru	17'-15' Bts.-AL,SK	3 10 R 13	175191	012056		
35 HP 2 & 3 Cyl.	76 Thru	15'-13' Bts.-AL,SK	3 10 R 15	390380	012057		
Thru Hub Exhaust							
50 HP V-4 (Pin Dr.)	58-59	16'-14' Bts.-AL,SK	3 12-1/8 R 14	278155	012033		
Mid - Range							
40 HP 2 Cyl.	84 Thru	CR, HB	3 13 R 11	386907	012036		
48 HP	87-96	18'-15' Bts.-AL,SK	3 12-1/2 R 13	386909	012037	390849	013024
50 HP 2 Cyl.	75 Thru	17'-14' Bts.-AL,SK	3 12-1/4 R 15	176421	+011027		
55 HP 2 Cyl.	76-79	17'-14' Bts.-AL,SK	3 12-1/4 R 15	386786	012038	390850	013010
60 HP 2 Cyl.	80-85	15'-13' Bts.-LL	3 11-3/4 R 17	176422	+011028		
75 HP 3 Cyl.	75-85	15'-13' Bts.-LL	3 11-3/4 R 17	386841	012039	390851	013026
Sprint	86-92	14'-12' Bts.-LL	3 11-1/2 R 19	176423	+011029		
Formula E	86-92	14'-12' Bts.-LL	3 11-1/2 R 19	386908	012040		
Thru Hub Exhaust & Small Gear Case		14'-12' Bts.-LL	3 11-1/4 R 19			390852	013032
V-4 HP (Pin Drive)		19'-17' Bts.-AL,SK	3 10 R 9-1/4	379260	+012042		
60,65,75,	60-68	19'-17' Bts.-AL,SK	3 10-1/4 R 10	378040	012043		
80,85,90	60-68	17'-16' Bts.-AL,SK	3 10 R 11	377978	012044		
◆Small Hub Prop uses special small nut #302001		16'-14' Bts.-AL,SK	3 10 R 12	378039	012045		
100 HP V-4	66-68	24'-20' Bts.-1 Eng.	3 14 R 11	382676	012089		
Pin Drive		24'-20' Bts.-1 Eng.	3 14 R 12	382017	012090		



Evinrude/Johnson 9.9-15 HP Aluminum



Evinrude/Johnson 20 -35 HP Aluminum



Evinrude / Johnson 40-75 HP Stainless Steel Equivalent to OMC SSTII®

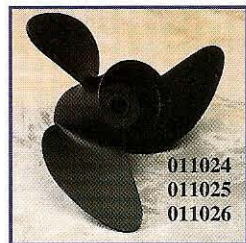


Key to abbreviations: LL:light loads; SB: Sailboat; AL: All loads; SK: Skiboat; WB: Workboat; HB: Houseboat; CR: Cruisers; HL: Heavy loads; WD: Weedless

* Indicates Cupped Propeller ◆ Available from Michigan Wheel Distributors - order part number 302001 (NP74) *** Engines offered in European Market Only § Commercial & Workhorse Engines



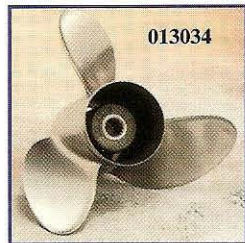
Evinrude/Johnson 40 - 75 HP Aluminum



Evinrude / Johnson V-4 Aluminum Wide Blade



Evinrude/Johnson V-4 Aluminum Narrow Blade



Evinrude / Johnson V-4 Stainless Steel Equivalent to OMC SSTII®

Motor & Model	Year	Boat Size & Suggestion	Blades, Diameter		Nearest Michigan Match™ OEM Equivalent				Rapture™ Performance Stainless			
			Rotation	Pitch	Aluminum Part No. OEM	Michigan	Stainless Part No. OEM	Michigan	Blades, Diameter	Rotation & Pitch	Michigan Part No. Right	Left
Mid Range Outboards												
Commercial		CR, HB	4	14 R 10		012074						
45 HP 2 Cyl.	86 Thru	CR, HB	3	14 R 11	382761	012047						
50 HP 2 Cyl.	77-79	CR, HB	3	14 R 13	391668	*011001						
55 HP 2 Cyl.	80 Thru	22'-19' Bts-AL	4	14 R 12		012075						
65 HP 3 Cyl.	84 Thru	19'-17' Bts-AL, SK	3	13-3/4 R 15	391198	*011002	389949	013028	3	13-1/4 R 15	013076	
Pleasure		18'-15' Bts-AL, SK	3	13-1/4 R 17	391199	*011003			3	13-1/4 R 17	013077	
50 HP 2 Cyl.	71-74	18'-15' Bts-AL, SK	3	13-3/8 R 17			389948	013030				
50 HP 3 Cyl.	94 Thru	18'-15' Bts-AL, SK	3	14 R 17	176214	*011024						
55 HP 3 Cyl.	68-69	16'-14' Bts-AL, SK	3	13 R 19	390896	*011004	389510	013033	3	13-1/4 R 19	013078	
60 HP 3 Cyl.	70-71, 86 Thru	16'-14' Bts-AL, SK	3	14 R 19	176215	*011025						
65 HP 3 Cyl.	72-73	13'-15' Bts-AL, SK	3	12-3/4 R 21	389788	*011005	389512	013034	3	13-1/4 R 21	013079	
70 HP 3 Cyl.	74 Thru	13'-15' Bts-AL, SK	3	14 R 21	176216	*011026						
75 HP 3 Cyl.	75-84											
Lg. Gearcase (All Thru Hub Exhaust)												
V-4 Outboards (V-4 Gearcase Propellers Only)												
85 HP	69-80, 91-95	CR, HB	4	14 R 10		012074						
88 HP	81-96	CR, HB	3	14 R 11	382761	012047						
90 HP	81 Thru	CR, HB	3	14 R 13	391668	*011001						
100 HP	79-80, 88-93	CR, HB	4	14 R 12		012075						
110 HP	86-89	24'-20' Bts-AL, SK	3	13-3/4 R 15	391198	*011002	389949	013028	3	13-1/4 R 15	013076	
112 HP	94-96	22'-19' Bts-AL, SK	3	13-1/4 R 17	391199	*011003			3	13-1/4 R 17	013077	
115 HP	73 Thru	22'-19' Bts-AL, SK	3	13-3/8 R 17			389948	013030				
120 HP	86-94	22'-19' Bts-AL, SK	3	14 R 17	176214	*011024						
125 HP	71-72	19'-17' Bts-AL, SK	3	13 R 19	390896	*011004	389510	013033	3	13-1/4 R 19	013078	
135 HP	73-76	19'-17' Bts-AL, SK	3	14 R 19	176215	*011025						
140 HP	77-94	18'-15' Bts-AL, SK	3	12-3/4 R 21	389788	*011005	389512	013034	3	13-1/4 R 21	013079	
	Thru Hub Exhaust	18'-15' Bts-AL, SK	3	14 R 21	176216	*011026						
V-4 V-6 V-8 Outboards (V-6 Gearcase Propellers Only)												
Commercial		CR, HB	3	15-1/2 R 10		011015						
100 HP V-4	84 Thru	CR, HB	3	15-1/2 R 13	391536	011016						
150 HP V-6	93 Thru	CR, HB	3	15-1/2 R 15	391535	011006						
155 HP V-6	78 Thru	CR, HB	3	15 R 15			174926	013052	3	14-1/4 X 15	013064	013065
Pleasure		CR, HB	3	15 L 15			174927	013051				
90 HP V-4	95 Thru	26'-20' Bts-AL, SK	3	15 R 17	391200	011007	391290	013044	3	14-1/4 X 17	013066	013067
115 HP V-4	95 Thru	26'-20' Bts-AL, SK	3	15 L 17			431930	013043				
130 HP V-4	95 Thru	22'-18' Bts-AL, SK	3	14-1/2 R 19	391201	011008	389924	013046	3	14-1/4 X 19	013068	013069
120-140 HP V-4	1985	22'-18' Bts-AL, SK	3	14-1/2 L 19			390821	013045				
140 (25") V-4	89-94	19'-17' Bts-AL, SK	3	14-1/4 R 21	391202	011009	389923	013048	3	14-1/4 X 21	013070	013071
150 HP V-6	78 Thru	19'-17' Bts-AL, SK	3	14-1/4 L 21			390822	013047				
175 HP V-6	77 Thru	18'-15' Bts-AL, SK	3	14-1/4 R 23	391203	011010	389019	013050	3	14-1/4 X 23	013072	013073
185 HP V-6	84-85	Up to 17'							3	14-1/4 X 25	013074	013075
200 HP V-6	76 Thru											
225 HP V-6	86 Thru											
235 HP V-6	78-85											
2.6 L V-6	84-85											
250 HP V-8	91 Thru	50-62 MPH	4	13-3/4 R 22				**013036				
275 HP V-8	86-88	55-67 MPH	4	13-3/4 R 24				**013038				
300 HP V-8	86-95	60-72 MPH	4	13-3/4 R 26				**013040				
3.6 L V-8	86-87											
V-6 Gear Case Thru Hub Exhaust												

Key to abbreviations: LL:light loads; SB: Sailboat; AL: All loads; SK: Skiboat; WB: Workboat; HB: Houseboat; CR: Cruisers; HL: Heavy loads; WD: Weedless

* If currently using uncupped prop, use cupped prop having 2" less pitch. Boats with power trim use same pitch. † 2-1/2" of skeg must be removed for proper fit. Use thrust washer 333592.

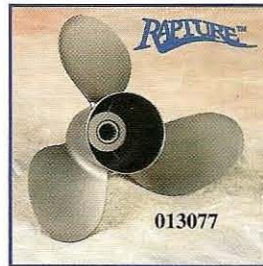
** Forward thrust washer A-9500-111 comes with propeller and replaces the standard OMC thrust washer except when used on 1991 or 1992, and 1994 through current model engines use OMC thrust washer 126869.



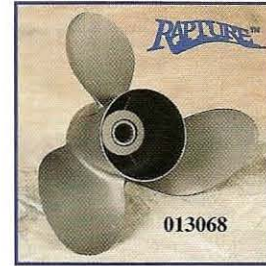
Evinrude/Johnson V-6 Aluminum




Evinrude / Johnson V-6 & V-8 Stainless Equivalent to OMC SSTII®



Evinrude/Johnson Mid-Range & V-4 Max-Performance Stainless Steel



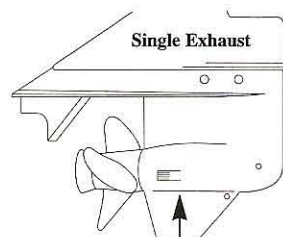
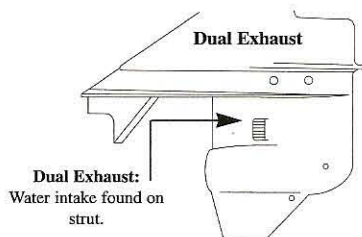
Evinrude / Johnson V-6 & V-8 Max-Performance Stainless Steel


Motor & Model Year	Boat Size & Suggestion	Blades, Diameter Rotation & Pitch	Nearest Michigan Match™ OEM Equivalent				Rapture™ Performance Stainless	
			Aluminum Part No. OEM Michigan		Stainless Part No. OEM Michigan		Blades, Diameter Rotation & Pitch	Michigan Part No. Right
3.5-3.6 HP 69-76	Std.Rep.	2 7-1/2 L 4-1/2	48-FP19	072017				 <p>Force/Chrysler U.S. Marine Aluminum 9.9-15 HP</p>
3.5 HP 80-84	Std.Rep.	3 7-1/4 R 5-1/2	48-FP488	072123				
4, 4.4, 6, 6.6, 7, 7.5, & 8 68-88								
Splined Shaft 5 HP 87 Thru								
5 HP 75-77	Std.Rep.	2 7-1/2 L 5-1/2		152014				
6-10 HP Sailor 76-78	SB	3 10-3/8 R 10	FP-278	072014				
Sailor 180-250 79-84								
9.9 HP 68 Thru	14'-12' Bts.-LL	2 8-1/4 R 8-1/4	48-FP70	072024				
10 HP 74-78	Std.Rep.	3 8-1/8 R 8-1/4	FP408	072026				
12 HP 78-79	14'-12' Bts.-LL	3 8 R 9	FP472	072122				
12.9 HP 68-75	16'-14' Bts.-LL	3 8-1/4 R 6	FP395	072121				
15 HP 80 Thru								
Splined Shaft 25 HP 3 Cyl. 95 Thru	19'-15' Boats	3 10-3/8 R 11	48-19638A40	031049				
	17'-13' Boats	3 10-3/8 R 13	48-19640A40	031048				
	Up to 14'	3 10-1/4 R 14-1/2	48-19642A40	031047				
20-25 (Splined) 68-78	Std.Rep.	3 8-1/2 R 8-1/2	FP324	152002				
20-25 HP 79-81	CR, HB, SB	3 10-3/8 R 10	48-819337A40	072014				
30 HP 66-82	19'-17' Bts.-AL,SK	3 10-3/8 R 11-1/2	48-819336A40	072131				
35 HP 66-91	17'-16' Bts.-AL,SK	3 10-3/8 R 12-1/2	48-819335A40	072132				
40 HP 92-94	16'-14' Bts.-AL,SK	3 10-3/8 R 13-1/2	48-819334A40	072133				
45 HP 66-84	16'-14' Bts.-LL	3 10-3/8 R 14-1/2		072134				
Splined Shaft 50 HP 82-94								
55-60 HP ** 66-84								
40, 50 HP 95 Thru	19' and Up	3 12-1/2 R 8	48-42738A10	032141				
70 HP 91-95	19'-17' Bts.-AL,SK	3 11-1/4 R 10	48-73132A40	031015				
75 HP 96 Thru	18'-16' Bts.-AL,SK	3 12 R 10-1/2	48-42740A10	032142				
	18'-16' Bts.-AL,SK	3 10-7/8 R 11	48-85632A40	031053				
	17'-15' Bts.-AL,SK	3 10-3/4 R 12	48-816702A40	031056				
	17'-15' Bts.-AL,SK	3 10-5/8 R 12	48-73134A40	031016	48-79792A5	033001	3 10-1/2 R 12 033089	
	17'-14' Bts.-AL,SK	3 10-1/2 R 13	48-816704A40	031057			3 10-1/2 R 13 033090	
	17'-14' Bts.-AL,SK	3 10-3/8 R 13	48-73136A40	031017				
	16'-14' Bts.-LL	3 10-3/8 R 14	48-816706A40	031058				
	16'-14' Bts.-LL	3 10-1/4 R 14	48-73138A40	031018	48-76230A5	033028	3 10-1/2 R 14 033091	
	15'-13' Bts.-LL	3 10-1/8 R 15	48-73140A40	031019			3 10-1/2 R 15 033092	
	Up to 15' Bts.-LL	3 10 R 17	48-73144A40	031020				
80 HP** 61-65	17'-16' Bts.-AL,SK	3 12-1/8 R 14	FP-84	012033				
70-135 HP ** 70-79	17'-16' Bts.-AL,SK	3 13-1/8 R 15	FP389	072032				
	16'-14' Bts.-AL,SK	3 13-1/8 R 17	48-FP372	072033				
	Light Runabouts-LL	3 13-1/8 R 19	FP383	072034				
70-140 HP* 77-89	19'-17' Bts.-AL,SK	3 14 R 13	FPS501	072054				
	17'-16' Bts.-AL,SK	3 13-1/8 R 15	FPS519	072055				
	17'-16' Bts.-AL,SK	3 13-3/4 R 15				073002		
	16'-14' Bts.-AL,SK	3 13-1/4 R 17	FPS623	072107	FP539	073003		
	16'-14' Bts.-LL	3 13 R 19	FPS625	072108	FP540	073004		
	Hi-Perf. Racing	3 13 R 21	FPS526	072109				
Single Exhaust Units Only 85, 125 HP 88-89	22'-17' Bts.-AL,SK	3 13-1/2 R 15	48-FP669-1	071035***				
90,120 HP 90-94	22'-17' Bts.-AL,SK	3 13-1/2 R 15	48-FP692-1	072127				
150 HP 89-94	22'-17' Bts.-AL,SK	3 13-3/4 R 15			FP699	073007		
90 HP L-Drive 89-91	20'-16' Bts.-AL,SK	3 13-1/2 R 17	48-FP685-1	071036***				
120 HP L-Drive 89-91	20'-16' Bts.-AL,SK	3 13-1/2 R 17	48-FP685-1	072128				
150 HP L-Drive 1991	20'-16' Bts.-AL,SK	3 13-1/4 R 17			FP668	073008		
	18'-16' Bts.-AL,SK	3 13 R 19	48-FP686-1	071037***	FP695	073009		
	18'-16' Bts.-AL,SK	3 13 R 19	48-FP686-1	072129				
	To 16' Bts.-AL,SK	3 12-5/8 R 21	48-FP694	071038***				
	To 16' Bts.-AL,SK	3 13 R 21			FP696	073010		
90, 120 HP+ 90-94	25' + Bts.-AL	3 14 R 11	48-77338A40	031054				
90, 120 HP ++ 95 Thru	22' + Bts.-AL	3 14 R 13	48-77340A40	031055				
150 HP + 89-94	24'-19' Bts.-AL	3 13-3/4 R 15	48-77342A40	031041	48-16986A5	033016	3 13-1/4 R 15 033084	
90 HP L-Drive+ 90-91	20'-17' Bts.-AL,SK	3 13-1/4 R 17	48-77344A40	031042	48-16988A5	033017	3 13-1/4 R 17 033085	
120 HP L-Drive+ 90-91	19'-16' Bts.-AL,SK	3 13 R 19	48-77346A40	031043	48-16990A40	033018	3 13-1/4 R 19 033086	
150 HP L-Drive+ 1991	18'-15' Bts.-AL,SK	3 12-3/4 R 21	48-77348A40	031044			3 13-1/4 R 21 033087	
	18'-15' Bts.-AL,SK	3 13 R 21						
	Up to 17' Bts.-LL	3 12-1/2 R 23	48-77350A40	031045	48-16992A40	033019		

Key to abbreviations: LL:light loads; SB: Sailboat; AL: All loads; SK: Skiboat; WB: Workboat; HB: Houseboat; CR: Cruisers; HL: Heavy loads; WD: Weedless

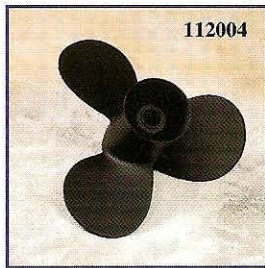
* One piece lower unit. **Two piece lower unit. *** Cupped Propeller (If currently using uncupped propeller, use cupped propeller with 2" less pitch.) & Boats with power trim use same pitch. + For dual exhaust units only & requires thrust washer 23-819057. ++ For all units 95 thru current. Requires thrust washer 13191A1. * Requires special exhaust snout Part No. F744116 for proper fit.

Single vs. Dual Exhaust

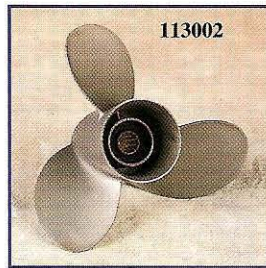


Motor & Model	Year	Boat Size & Suggestion	Blades, Diameter Rotation & Pitch	Nearest Michigan Match™ OEM Equivalent		Rapture™ Performance Stainless			
				Aluminum Part No.		Stainless Part No.			
				OEM	Michigan	OEM	Michigan	Blades, Diameter Rotation & Pitch	Mich. Part No. Right
Portable Engines									
BF 7.5	78-87	SB	3 9-1/4 R 7		012102				
BF 100		16'-14' Bts.	3 9 R 8		012014				
BF 8	87 Thru	16'-14' Bts.-WD	3 9 R 8	58130-881-840ZA	012006				
		16'-14' Bts.-LL	3 9 R 9		012109				
		14'-12' Bts.	3 9 R 10		012011				
		14'-12' Bts.-WD	3 9 R 10		012076				
BF 9.9	88 Thru	HL, HB.	3 9-3/4 R 6-1/2	58110-ZV4-DT15	112004				
BF 15		13'-17' Bts.-AL	3 9-1/4 R 8		102003				
		12'-15' Bts.-AL	3 9-1/4 R 9	58130-ZV4-701ZA	102004				
		12'-15' Bts.-LL	3 9-1/4 R 10-1/2	58130-ZV4-030ZA	102005				
Compacts									
BF 35	91-94	21'-19' Bts.-AL, SK	3 12-1/4 R 10	58130-ZV5-860ZA	032045			3 10-1/2R 10	033093
BF 40	95 Thru	19'-17' Bts.-AL, SK	3 12 R 11		032044				
BF 45	91-94	17'-16' Bts.-AL, SK	3 11-3/4 R 12	58130-ZV5-850ZA	032043				
BF 50A	95 Thru	17'-15' Bts.-AL, SK	3 10-5/8 R 12			113001		3 10-1/2R 12	033094
		17'-15' Bts.-AI, SK	3 11-1/2 R 13	58130-ZV5-000ZA	032042			3 10-1/2R 13	033095
		16'-14' Bts.-AL, SK	3 11-1/4 R 14		032041				
		16'-14' Bts.-AL, SK	3 10-1/4 R 14			113002		3 10-1/2R 14	033096
		15'-13' Bts.-AL, SK	3 11 R 15	58130-ZV5-870ZA	032040			3 10-1/2R 15	033097
		14'-12' Bts.-AL, SK	3 10-3/4 R 16		032039				
Mid - Range									
75 HP	95 Thru	16'-14' Bts.-AL, SK	3 10-1/4 R 14						
90 HP	95 Thru	25' + Bts.-AL	3 14 R 11	58130-ZW1-W01ZA	031054				
115 HP	98 Thru	22' + Bts.-AL	3 14 R 13	58130-ZW1-W11ZA	031055				
130 HP	98 Thru	24'-20' Bts.-AL, SK	3 13-3/4 R 15	58130-ZW1-W21ZA	031041	58130-ZW1-W91	033016	3 13-1/4R 15	033084
		19'-17' Bts.-AL, SK	3 13-1/4 R 17	58130-ZW1-W31ZA	031042	58130-ZW1-V01	033017	3 13-1/4R 17	033085
		18'-16' Bts.-AL, SK	3 13 R 19	58130-ZW1-W61ZA	031043	58130-ZW1-V11	033018	3 13-1/4R 19	033086
		18'-15' Bts.-AL, SK	3 12-3/4 R 21	58130-ZW1-W41ZA	031044				
		18'-15' Bts.-AL, SK	3 13 R 21			58130-ZW1-V31	033019	3 13-1/4R 21	033087
		16'-14' Bts.-AL, SK	3 12 1/2 R 23	58130-ZW1-W51ZA	031045				

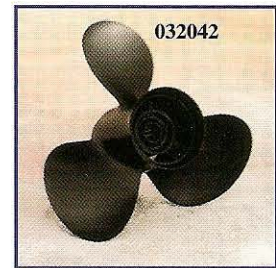
Key to abbreviations: LL:light loads; SB: Sailboat; AL: All loads; SK: Skiboat; WB: Workboat; HB: Houseboat; CR: Cruisers; HL: Heavy loads; WD: Weedless



Honda 9.9-15 HP
Aluminum



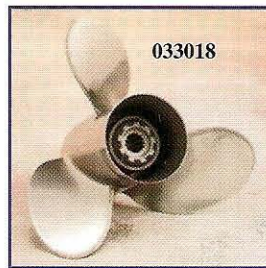
Honda 35 - 50 HP
Stainless Steel



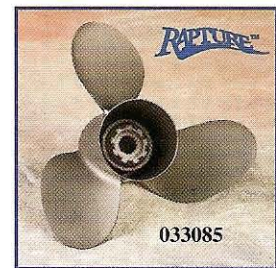
Honda 35-50 HP
Aluminum



Honda 75-90 HP
Aluminum



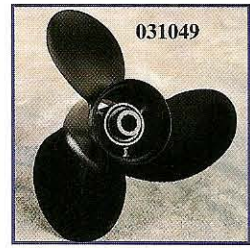
Honda 75-90 HP
Stainless Steel



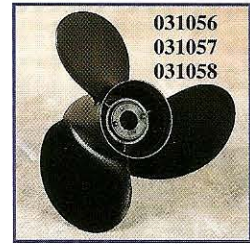
Honda 75-90 HP
Max-Performance
Stainless Steel

MERCURY™ SEA RAY

Motor & Model	Year	Boat Size & Suggestion	Blades, Diameter Rotation x Pitch	Nearest Michigan Match™ OEM Equivalent		Rapture™ Performance Stainless				
				Aluminum Part No. OEM Michigan	Stainless Part No. OEM Michigan	Blades, Diameter Rotation & Pitch	Michigan Part No. Right			
Portable Engines										
40 45	73-75 73-81	Std. Rep.	2 8-1/4 R6	48-63494A10	032014					
Merc 7.5,9,8 110 8 Spline	68-85 68-79	Std. Rep. Lt. Runabt., LL 16'-14' Bts.-AL,SK	2 9 R9 2 9 R10 3 9 R7	48-47922A10 48-47926A10 48-47670A10	032021 032019 032020					
Merc 20	63-81	16'-14' Bts.-AL,SK Std. Rep.	3 10 R9 2 9-7/8 R11	48-86962A4 48-33480A1	032136 032135					
6, 8, 9,9 HP 10 HP 15 HP	86 Thru 95 Thru 89 Thru	HB, WB HB, WB 16'-20' Bts.-AL 14'-19' Bts.-AL 14'-18' Bts.-AL 14'-16' Bts.-AL	3 9-3/4 R5-1/2 3 9-3/4 R6-1/2 3 9-1/4 R 7 3 9 R8 3 9 R9 3 9 R10-1/2	48-828148A12 48-828150A12 48-828152A12 48-828154A12 48-828156A12 48-828158A12	032060 032058 032056 032054 032052 032050					
18 HP 20 HP 25 HP	80-85 86 Thru 80 Thru	19'-15' Bts. 17'-13' Bts. Up to 14' Bts.	3 10-3/8 R 11 3 10-3/8 R 13 3 10-1/4 R14-1/2	48-19638A40 48-19640A40 48-19642A40	031049 031048 031047					
Includes Sea Pro & 4-Stroke Thru Hub Exhaust										
Compacts										
Mark 35A,50,55 Mark 58, 58A 300, 350, 400, 500 All 11 Spline	56-61	17'-16' Bts.-AL,SK	3 10 R 10	48-22575A2	032077					
300, 350, 400 450, 500 Thru Prop Exhaust	62-69	19'-17' Bts.-AL,SK 17'-16' Bts.-AL,SK 16'-14' Bts.-AL,SK 16'-14' Bts.-LL	3 10-1/4 R 10 3 10-1/4 R 11 3 10-1/4 R 12 3 10-1/4 R 13	48-33774A1 48-38098A1 48-38094A1 48-38090A1	032084 032085 032086 032087					
400, 402, 500 Prop Exhaust - 13 Spline	70-73	16'-14' Bts.-AL,SK	3 10-1/4 R 13	48-56236A1	032099					
Mid-Range										
402-500 60 HP (Mariner) 650	74-76 1976 72-76	22'-19 Bts.-AL 19'-17' Bts.-AL,SK 17'-16' Bts.-AL,SK 18'-15' Bts.-AL,SK 16'-14' Bts.-LL 15'-13' Bts.-LL 14'-12' Bts.-LL	3 12-1/4 R 10 3 12 R 11 3 10-5/8 R 12 3 11-3/4 R 12 3 11-1/2 R 13 3 10-1/4 R 14 3 11-1/4 R 14 3 11 R 15 3 10-3/4 R 16	48-61812A1 48-61814A1 48-61816A1 48-61818A1 48-61820A1 48-61822A1 48-61824A1	032045 032044 032043 032042 032041 032040 032039					
Model 402-500-700 30 HP 35 HP 40 HP 45 HP 50 HP 55 HP 60 HP (Not Bigfoot or Sea Pro) 70 HP	77-84 94 Thru 84-89 77 Thru 86-89 77 Thru 95 Thru 84 Thr. Thru 83	19' and Up 19'-17' Bts.-AL,SK 18'-16' Bts.-AL,SK 18'-16' Bts.-AL,SK 17'-15' Bts.-AL,SK 17'-15' Bts.-AL,SK 17'-14' Bts.-AL,SK 17'-14' Bts.-AL,SK 16'-14' Bts.-LL 16'-14' Bts.-LL 16'-14' Bts.-LL 15'-13' Bts.-LL Up to 15' Bts.-LL	3 12-1/2 R 8 3 11-1/4 R 10 3 12 R 10-1/2 3 10-7/8 R 11 3 10-3/4 R 12 3 10-5/8 R 12 3 10-1/2 R 13 3 10-3/8 R 13 3 10-3/8 R 14 3 10-1/4 R 14 3 10-1/8 R 15 3 10 R 17	48-42738A10 48-73132A40 48-42740A10 48-85632A40 48-816702A40 48-73134A40 48-816704A40 48-73136A40 48-816706A40 48-73138A40 48-73140A40 48-73144A40	032141 031015 032142 031053 031056 031016 031057 031017 031058 031018 031019 031020					
Includes Bigfoot, 4-Stroke & Sea Pro unless otherwise noted.										
						48-79792A5	033001	3	10-1/2 R 10	033093
								3	10-1/2 R 12	033094
								3	10-1/2 R 13	033095
								3	10-1/2 R 14	033096
								3	10-1/2 R 15	033097
								3	10-1/2 R 10	033088
								3	10-1/2 R 12	033089
								3	10-1/2 R 13	033090
								3	10-1/2 R 14	033091
								3	10-1/2 R 15	033092



Mercury 18 - 25 HP
Aluminum



Mercury 30 - 70 HP
Wide Blade Aluminum

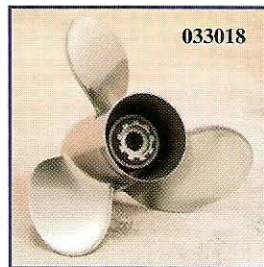
Key to abbreviations: LL:light loads; SB: Sailboat; AL: All loads; SK: Skiboat; WB: Workboat;
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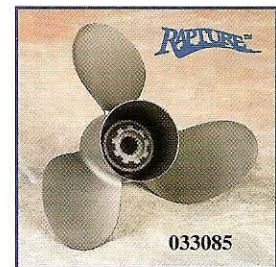
Mercury 30 - 70 HP
Stainless Steel



Mercury 60 - 140 HP
Aluminum

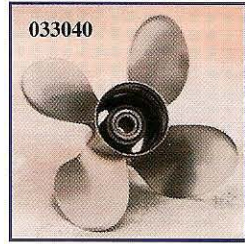


Mercury 60 - 140 HP
Stainless Steel



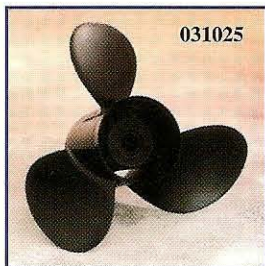
Mercury 60 - 140 HP
Max-Performance Stainless Steel

Description Motor & Model	Year	Boat Size & Suggestion	Blades, Diameter Rotation & Pitch	Nearest Michigan Match™ OEM Equivalent				Rapture™ Performance Stainless	
				Aluminum Part No. OEM Michigan		Stainless Part No. OEM Michigan		Blades, Diameter Rotation & Pitch	Michigan Part No. Right Left
3 Cyl., 4 & 6 In Line Cyl.									
650 4 Cyl. (2:1)	61-70	24"-20 Bts.	3 13 R 11	48-35936A3	032089				
800-850 6 Cyl.	Thru 72	22"-19" Bts.	3 13 R 13	48-58826A3	032090				
900-1150	Thru 77	19"-17" Bts.-AL,SK	3 13 R 15	48-32390A3	032091				
650 2 Cyl.	Thru 71	19"-17" Bts.-AL,SK	3 13 R 15		031001				
800-850 4 Cyl.	72-77	19"-17" Bts.-AL,SK	3 13-3/4 R 15			48-16986A5	033016	3 13-1/4 R 15	033084
80 HP (Yamaha)	1977	17"-16" Bts.-AL,SK	3 13 R 17	48-65022A1	032092				
80 HP (Mariner)	1977	17"-16" Bts.-AL,SK	3 13 R 17		031002				
1000-1100	Thru 77	17"-16" Bts.-AL,SK	3 13-1/4 R 17			48-16988A5	033017	3 13-1/4 R 17	033085
1150-1250	Thru 77	18"-15" Bts.-AL,SK	3 13 R 19	48-65024A1	032093				
1350	Thru 77	18"-15" Bts.-AL,SK	3 13 R 19		031003	48-16990A40	033018	3 13-1/4 R 19	033086
1400-1500	Thru 77	16"-14" Bts.-AL,SK	3 13 R 21	48-67280A1	032094				
		16"-14" Bts.-AL,SK	3 13 R 21		031004	48-16992A40	033019	3 13-1/4 R 21	033087
60 HP Big Foot/Sea Pro Only	95 Thru	25" + Bts.-AL	3 14 R 11	48-77338A40	031054				
70 HP	87-89	22" + Bts.-AL	3 14 R 13	48-77340A40	031055				
75 HP	84 Thru	24"-19" Bts.-AL	3 13-3/4 R 15	48-77342A40	031041	48-16986A5	033016	3 13-1/4 R 15	033084
80 HP	78-89	20"-17" Bts.-AL,SK	3 13-1/4 R 17	48-77344A40	031042	48-16988A5	033017	3 13-1/4 R 17	033085
90 HP	78 Thru	19"-16" Bts.-AL,SK	3 13 R 19	48-77346A40	031043	48-16990A40	033018	3 13-1/4 R 19	033086
100 HP	88 Thru	18"-15" Bts.-AL,SK	3 12-3/4 R 21	48-77348A40	031044				
115 HP	78 Thru	18"-15" Bts.-AL,SK	3 13 R 21			48-16992A40	033019	3 13-1/4 R 21	033087
125 HP	94 Thru	Lt. Runabt., LL	3 12-1/2 R 23	48-77350A40	031045				
140 HP	78-81								
Includes Sea Pro & Offshore				Use thrust washer 65091 Use thrust washer 13191A1 To avoid damage or injury, replace standard trim tab with trim tab 822777A1 and thrust washer 13191A1 MUST be used					
V-6 Outboards 4-3/4" Gear Case									
135 HP	87 Thru	CR, HB	3 16 R 11	48-78112A40	031021				
150 HP	78 Thru	CR, HB	3 16 R 12	48-16436A40	031063				
175 HP	78 Thru	CR, HB	3 16 R 13	48-78114A40	031022				
200 HP	78 Thru	22"-25 Bts.-AL	3 16 R 14	48-16438A40	031050				
220 HP	87-88	21"-24" Bts.-AL	3 15-1/4 R 15	48-78116A40	031023				
225 HP	80 Thru	21"-24" Bts.-AL	3 14-1/2 R 15			48-16312A4	033002	3 14-1/4 x 15	033072 033073
250 HP	94 Thru	20"-23" Bts.-AL,SK	3 16 R 16	48-16440A40	031051				
275 HP	90-94	19"-23" Bts.-AL,SK	3 14-1/2 R 17	48-78118A40	031024	48-16314A4	033003	3 14-1/4 x 17	033074 033075
300 HP	1983	19"-23" Bts.-AL,SK	3 15 R 17	48-83282A45	031064				
3.4 Litre	84-86	19"-22" Bts.-AL,SK	3 15-1/2 R 18	48-11324A45	031052				
Includes DFI, EFI, Magnum, Offshore, OPTIMAX, Sea Pro & XRI		18"-22" Bts.-AL,SK	3 14 R 19	48-78120A40	031025	48-16316A4	033004	3 14-1/4 x 19	033076 033077
Use Thrust Washer 13171		18"-22" Bts.-AL,SK	3 14-1/2 R 19	48-832830A45	031065				
		18"-20" Bts.-AL,SK	3 13-3/4 R 21	48-78122A40	031026	48-16318A4	033005	3 14-1/4 x 21	033078 033079
		17"-20" Bts.-AL,SK	3 14-1/4 R 21	48-832832A45	031066				
		17"-20" Bts.-AL,SK	3 13-1/2 R 23	48-78124A40	031027	48-16320A4	033006	3 14-1/4 x 23	033080 033081
		17"-20" Bts.-AL,SK	3 14 R 23	48-832834A45	031068				
		Up to 18" Boats	3 13-3/8 R 25	48-78126A40	031067			3 14-1/4 x 25	033082 033083
Add 4" pitch for twin motors									
4 Blade Hole Shot Performance Propellers									
		50-62 MPH	4 13-3/4 R 22				033038		
		55-67 MPH	4 13-3/4 R 24				033040		
		60-72 MPH	4 13-3/4 R 26				033042		
				* Use Thrust Washer A-9500-110 Provided with propeller					
Stainless Steel Performance Propellers for Offshore or Heavy Boats									
		18"-21" Bts.-AL,SK	3 15-1/4 R 19			48-13700A41	033030		
		18"-20" Bts.-AL,SK	3 14-3/4 R 21			48-13702A41	033032		
		17"-20" Bts.-AL,SK	3 14-5/8 R 23			48-13704A41	033034		
		16"-19" Bts.-AL,SK	3 14-1/2 R 25			48-13706A41	033036		
			3 15-1/4 L 19			48-13701A41	033029		
			3 14-3/4 L 21			48-13703A41	033031		
			3 14-5/8 L 23			48-13705A41	033033		
			3 14-1/2 L 25			48-13707A41	033035		

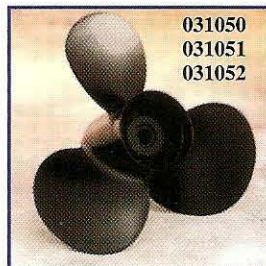


Key to abbreviations: LL:light loads; SB: Sailboat; AL: All loads; SK: Skiboat; WB: Workboat; HB: Houseboat; CR: Cruisers; HL: Heavy loads; WD: Weedless

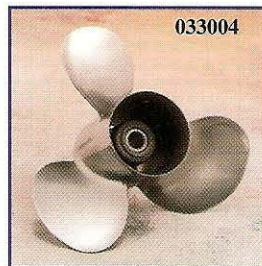
- When replacing Flo-Torq II™ plastic hub props, aft castle washer 12-31211A2 and conductivity washer 13-42351-1 are required in addition to other hardware supplied with original propeller. See page 21 for complete details
- Larger blade area design used primarily on 1997 and newer applications
- * To avoid damage or injury, replace standard trim tab with trim tab 822777A1



Mercury 135-300 HP Aluminum



Mercury 135-300 HP Wide Blade Aluminum

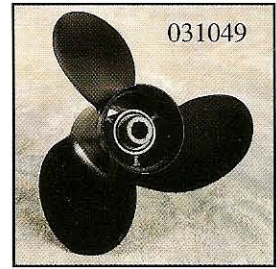


Mercury 135-300 HP Stainless Steel Equivalent to QSS®



Mercury 135-300 HP Max-Performance Stainless Steel

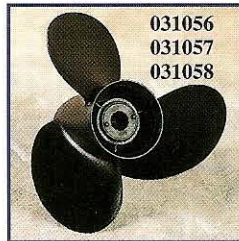
Motor & Model Year	Boat Size & Suggestion	Blades, Diameter Rotation x Pitch	Nearest Michigan Match™ OEM Equivalent				Rapture™ Performance Stainless		
			Aluminum Part No. OEM Michigan	Stainless Part No. OEM Michigan	Blades, Diameter Rotation & Pitch	Michigan Part No. Right			
Portable Engines									
8 HP 76-84	16'-14' Bts.-AL,SK 16'-14' Bts.-LL	3 8-1/4 R 8 3 8-1/4 R 9	48-82764 48-82766	012008 012101					
6, 8, 9.9 HP 10 HP 15 HP	HB, WB HB, WB 16'-20' Bts.-AL 14'-19' Bts.-AL 14'-18' Bts.-AL 14'-16' Bts.-AL	3 9-3/4 R 5-1/2 3 9-3/4 R 6-1/2 3 9-1/4 R 7 3 9 R 8 3 9 R 9 3 9 R 10-1/2	48-828148A12 48-828150A12 48-828152A12 48-828154A12 48-828156A12 48-828158A12	032060 032058 032056 032054 032052 032050					
Includes Marathon & 4-Stroke									
15 HP 15A W15 20 HP 25 HP	76-81 79-82 77-85 76-79 77-79	HB, SB 14'-12' Bts.-HL 14'-12' -AL,SK 14'-12' Bts.-LL	3 9-1/4 R 7 3 9 R 10 3 9-1/4 R 11 3 9-1/4 R 12	48-96628M 48-96625M 48-96623M 48-96622M	012102 012011 012013 012010				
Compacts									
20-25 HP Includes Bigfoot, Marathon & 4-Stroke Thru Hub Exhaust	85 Thru 19'-15' Bts. 17'-13' Bts. Up to 14' Bts.	3 10-3/8 R 11 3 10-3/8 R 13 3 10-1/4 R 14-1/2	48-19638A40 48-19640A40 48-19642A40	031049 031048 031047					
25 HP 28 HP 30 HP Flow-Thru Exhaust	80-84 76-79 79-90	18'-16' Bts.-AL,SK 17'-14' Bts.-AL,SK 16'-13' Bts.-LL	3 9-7/8 R 9 3 9-7/8 R 10-1/2 3 9-3/8 R 12	48-81647M 48-81649M 48-82826M	022001 022002 022003				
Mid-Range									
30 HP 40 HP 45 HP 48 HP 50 HP 55 HP 60 HP — φ (Not BigFoot or Marathon) 70 HP Thru 83	94 Thru 78 Thru 86-89 All Years 80 Thru 95 Thru 78 Thru	19' and Up 19'-17' Bts.-AL,SK 18'-16' Bts.-AL,SK 18'-16' Bts.-AL,SK 17'-15' Bts.-AL,SK 17'-15' Bts.-AL,SK 17'-14' Bts.-AL,SK 17'-14' Bts.-AL,SK 16'-14' Bts.-LL 16'-14' Bts.-LL 15'-13' Bts.-LL Up to 15' Bts.-LL	3 12-1/2 R 8 3 11-1/4 R 10 3 12 R 10-1/2 3 10-7/8 R 11 3 10-3/4 R 12 3 10-5/8 R 12 3 10-1/2 R 13 3 10-3/8 R 13 3 10-3/8 R 14 3 10-1/4 R 14 3 10-1/8 R 15 3 10 R 17	48-42738A10 48-73132A40 48-42740A10 48-85632A40 48-816702A40 48-73134A40 48-816704A40 48-73136A40 48-816706A40 48-73138A40 48-73140A40 48-73144A40	032141 031015 032142 031053 031056 031016 031057 031017 031058 031018 031019 031020				
60 HP 80 HP	1976 1977	See Listing under Mercury section on page 10 & 11							
3 Cyl., 4 & 6 In Line Cyl.									
60 HP — φ (Big Foot/Marathon Only) 75 HP 80 HP 90 HP 100 HP 115 HP 125 HP	95 Thru 84 Thru 78-83 78 Thru 88 Thru 78 Thru 94 Thru	25' + Bts.-AL 22' + Bts.-AL 24'-20' Bts.-AL,SK 19'-17' Bts.-AL,SK 18'-16' Bts.-AL,SK 18'-15' Bts.-AL,SK 18'-15' Bts.-AL,SK 16'-14' Bts.-AL,SK	3 14 R 11 3 14 R 13 3 13-3/4 R 15 3 13-1/4 R 17 3 13 R 19 3 12-3/4 R 21 3 13 R 21 3 12-1/2 R 23	48-77338A40 48-77340A40 48-77342A40 48-77344A40 48-77346A40 48-77348A40 48-77350A40	+031054 +031055 031041 031042 +031043 +031044 +031045	48-16986A5 48-16988A5 48-16990A40 48-16992A40	033016 033017 +033018 +033019	3 10-1/2 R 10 3 10-1/2 R 12 3 10-1/2 R 13 3 10-1/2 R 14 3 10-1/2 R 15 3 13-1/4 R 15 3 13-1/4 R 17 3 13-1/4 R 19 3 13-1/4 R 21	033088 033089 033090 033091 033092 033084 033085 033086 033087
Includes Marathon & OffShore									
* Use thrust washer 13191A1 † To avoid damage or injury, replace standard trim tab with trim tab 822777A1 and thrust washer 13191A1 MUST be used.									



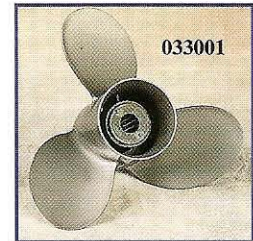
Mariner 20 - 25 HP
Aluminum



Mariner 30 - 70 HP
Aluminum



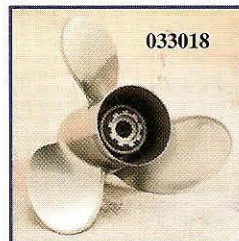
Mariner 30 - 70 HP
Wide Blade Aluminum



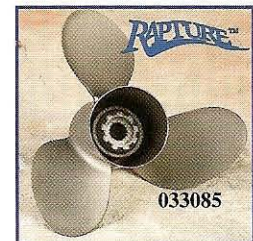
Mariner 30 - 70 HP
Stainless Steel



Mariner 60 - 125 HP
Aluminum



Mariner 60 - 125 HP
Stainless Steel



Mariner 60 - 125 HP
Max-Performance Stainless Steel

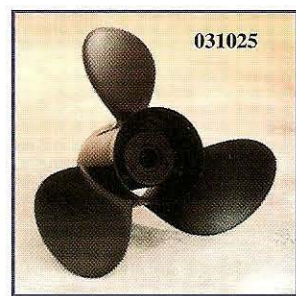
Key to abbreviations: LL:light loads; SB: Sailboat; AL: All loads; SK: Skiboat; WB: Workboat;
HB: Houseboat; CR: Cruisers; HL: Heavy loads; WD: Weedless

Motor & Model	Year	Boat Size Suggestion	Blades, Diameter Rotation x Pitch		Nearest Michigan Match™ OEM Equivalent			Rapture™ Performance Stainless					
					Aluminum Part No. OEM	Michigan	Stainless Part No. OEM	Michigan	Blades, Diameter Rotation & Pitch	Michigan Part No. Right	Michigan Part No. Left		
V-6 Outboards* 4-3/4" Gear Case													
135 HP	86 Thru	CR, HB	3	16	R 11	48-78112A40	031021						
150 HP	79 Thru	CR, HB	3	16	R 12	48-16436A40	031063						
175 HP	78 Thru	CR, HB	3	16	R 13	48-78114A40	031022						
200 HP	79 Thru	22'-25' Bts.-AL	3	16	R 14	48-16438A40	031050						
220 HP	87-88	21'-24' Bts.-AL	3	15-1/4	R 15	48-78116A40	031023						
225 HP	94 Thru	21'-24' Bts.-AL	3	14-1/2	R 15			48-16312A4	033002	3	14-1/4 R 15	*033072	*033073
250 HP	90 Thru	20'-23' Bts.-AL,SK	3	16	R 16	48-16440A40	031051						
275 HP	90-94	19'-23' Bts.-AL,SK	3	14-1/2	R 17	48-78118A40	031024	48-16314A4	033003	3	14-1/4 R 17	*033074	*033075
		19'-23' Bts.-AL,SK	3	15	R 17	48-832828A45	031064						
		19'-22' Bts.-AL,SK	3	15-1/2	R 18	48-11324A40	031052						
		18'-22' Bts.-AL,SK	3	14	R 19	48-78120A40	031025	48-16316A4	033004	3	14-1/4 R 19	*033076	*033077
		18'-22' Bts.-AL,SK	3	14-1/2	R 19	48-832830A45	031065						
		18'-20' Bts.-AL,SK	3	13-3/4	R 21	48-78122A40	031026	48-16318A4	033005	3	14-1/4 R 21	*033078	*033079
		18'-20' Bts.-AL,SK	3	14-1/4	R 21	48-832832A45	031066						
		17'-20' Bts.-AL,SK	3	13-1/2	R 23	48-78124A40	031027	48-16320A4	033006	3	14-1/4 R 23	*033080	*033081
		17'-20' Bts.-AL,SK	3	14	R 23	48-832834A45	031068						
		Up to 18' Boats	3	13-3/8	R 25	48-78126A40	031067			3	14-1/4 R 25	*033082	*033083
4 Blade Hole Shot Performance Propellers													
		50-62 MPH	4	13-3/4	R 22				033038				
		55-67 MPH	4	13-3/4	R 24				033040				
		60-72 MPH	4	13-3/4	R 26				033042				
						* Use Thrust Washer A-9500-110 Provided							
Stainless Steel Performance Propellers for Offshore and Heavy Boats													
		18'-21' Bts.-AL,SK	3	15-1/4	R 19			48-13700A41	033030				
		18'-20' Bts.-AL,SK	3	14-3/4	R 21			48-13702A41	033032				
		17'-20' Bts.-AL,SK	3	14-5/8	R 23			48-13704A41	033034				
		16'-19' Bts.-AL,SK	3	14-1/2	R 25			48-13706A41	033036				
			3	15-1/4	L 19			48-13701A41	033029				
			3	14-3/4	L 21			48-13703A41	033031				
			3	14-5/8	L 23			48-13705A41	033033				
			3	14-1/2	L 25			48-13707A41	033035				

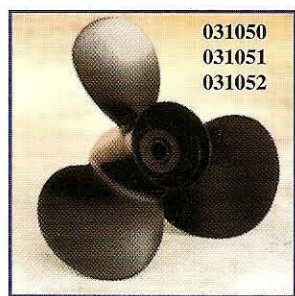


Key to abbreviations: LL:light loads; SB: Sailboat; AL: All loads; SK: Skiboat; WB: Workboat; HB: Houseboat; CR: Cruisers; HL: Heavy loads; WD: Weedless

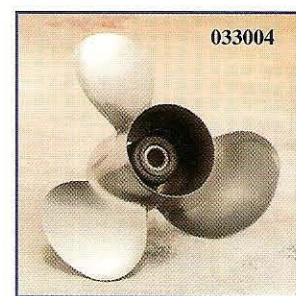
* When replacing Flo-Torq II™ plastic hub props, aft castle washer 12-31211A2 and conductivity washer 13-42351-1 are required in addition to other hardware supplied with original propeller. See page 21 for complete details.
 ● Larger blade area design used primarily on 1997 and newer applications.
 * To avoid damage or injury, replace standard trim tab with trim tab 822777A1.



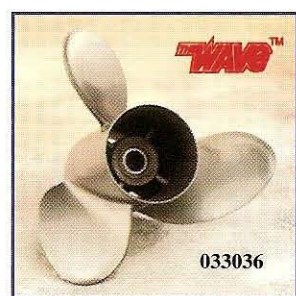
Mariner 135 - 275 HP
Aluminum



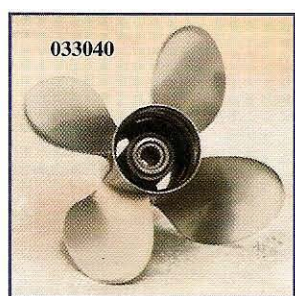
Mariner 135 - 275 HP
Aluminum Wide Blade



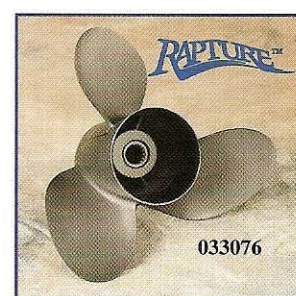
Mariner 135 - 275 HP
Stainless Steel
Equivalent to QSS



Mariner V-6
Stainless Steel
Equivalent to Mirage™



Mariner V-6
4 Blade Stainless Steel



Mariner 135 - 275 HP
Max-Performance
Stainless Steel

Motor & Model	Year	Boat Size & Suggestion	Nearest Michigan Match™ OEM Equivalent				Rapture™ Performance Stainless						
			Blades, Diameter Rotation x Pitch		Aluminum Part No. OEM Michigan		Stainless Part No. OEM Michigan		Blades, Diameter Rotation & Pitch		Mich. Part No. Right Left		
Portables													
6 HP	86 Thru	General Usage	3	8-1/2	R 6-1/2	6G1-45947-00-EL	102001						
8 HP	84 Thru	General Usage	3	8-1/2	R 7-1/2	6G1-45943-00-EL	102002						
8 HP	76-83	16'-14' Bts.-AL	3	8-1/4	R 8		012008						
		16'-14' Bts.LL	3	8-1/4	R 9		012101						
9.9 HP	84 Thru	13'-17' Bts.-HL	3	9-1/4	R 8	683-45947-00-EL	102003						
15 HP	84 Thru	12'-15' Bts.-AL	3	9-1/4	R 9	683-45945-00-EL	102004						
	86 Thru	12'-15' Bts.-AL	3	9-1/4	R 10-1/2	683-45943-00-EL	102005						
15A & W15 HP	76-83	HB,SB	3	9-1/4	R 7	650-45943-01-36	012102						
20 HP	76-78	14'-12' Bts.-HL	3	9	R 10	651-45947-00-36	012011						
28 HP	76-78	14'-12' Bts.-AL	3	9-1/4	R 11	653-45941-01-36	012013						
25 HP 2 cyl.	77-79	14'-12' Bts.-LL	3	9-1/4	R 12		012010						
20 HP	96-97	18'-16' Bts.-AL,SK	3	9-7/8	R 9	664-45941-01-EL	022001						
25 HP	80 Thru	17'-14' Bts.-AL,SK	3	9-7/8	R 10-1/2	664-45945-00-EL	022002						
30 HP	79 Thru	16'-13' Bts.-LL	3	9-3/8	R 12	664-45954-00-EL	022003						
		Flow Thru Exhaust											
Mid Range & V-4													
40 HP	84 Thru	22'-19' Bts.-LL	3	12-1/4	R 10		032045			3	10-1/2	R 10	033093
48 HP	95 Thru	19'-17' Bts.-AL,SK	3	12	R 11	663-45947-02-EL	032044						
50 HP (not T50)	84 Thru	18'-15' Bts.-AL,SK	3	10-5/8	R 12			663-45972-60-98	113001	3	10-1/2	R 12	033094
55 HP	76-95	17'-16' Bts.-AL,SK	3	11-3/4	R 12	6H5-45952-00-EL	032043						
60 HP	76-91	16'-14' Bts.-LL	3	11-1/2	R 13	6H5-45945-00-EL	032042						
		15'-13' Bts.-LL	3	10-1/4	R 14			663-45930-00-98	113002	3	10-1/2	R 13	033095
		14'-12' Bts.-LL	3	11-1/4	R 14	663-45958-01-EL	032041			3	10-1/2	R 14	033096
			3	11	R 15	6H5-45943-00-EL	032040			3	10-1/2	R 15	033097
			3	10-3/4	R 16	663-45949-01-EL	032039						
80 HP	1977	See Mercury on Page 11 for available propeller											
80-90-115 HP	78-83	25' + Bts.-AL	3	14	R 11		031054						
140 HP	78-79	22' + Bts.-AL	3	14	R 13		031055						
		24'-20' Bts.-AL,SK	3	13-3/4	R 15		031041		033016	3	13-1/4	R 15	033084
		19'-17' Bts.-AL,SK	3	13-1/4	R 17		031042		033017	3	13-1/4	R 17	033085
		18'-16' Bts.-AL,SK	3	13	R 19		031043		033018	3	13-1/4	R 19	033086
		18'-15' Bts.-AL,SK	3	12-3/4	R 21		031044		033019	3	13-1/4	R 21	033087
		16'-14' Bts.-AL,SK	3	12-1/2	R 23		031045						
T50 HP	96 Thru	25' Bts.-AL	3	14	R 11	6E5-45954-00-EL	101036						
60 HP	92 Thru	22' Bts.-AL	3	13-5/8	R 13	6E5-45949-00-EL	101031						
70 HP	84 Thru	24'-20' Bts.-AL,SK	3	13-1/2	R 15	6E5-45947-00-EL	101032						
75 HP	94 Thru	24'-20' Bts.-AL,SK	3	13-3/4	R 15			688-45978-60-98	103025	3	13-1/4	R 15	103056
80 HP	1997	19'-17' Bts.-AL, SK	3	13-1/4	R 17	6E5-45945-01-EL	101033	688-45930-02-98	103026	3	13-1/4	R 17	103057
85 HP	91-97	18'-16' Bts.-AL, SK	3	13	R 19	6E5-45941-00-EL	101034	688-45970-03-98	103027	3	13-1/4	R 19	103058
90 HP	84 Thru	18'-15' Bts.-AL, SK	3	12-5/8	R 21	6E5-45943-00-EL	101035			3	13-1/4	R 21	103059
115 HP	84 Thru												
130 HP	84 Thru												
V-6 Outboards													
150 HP	79-83	CR, HB	3	16	R 11		031021						
175 HP	78-79	CR, HB	3	16	R 13		031022						
		20'-24' Bts.-AL,SK	3	15-1/4	R 15		031023						
		20'-22' Bts.-AL,SK	3	14-1/2	R 15				033002	3	14-1/4	R 15	033072
		19'-21' Bts.-AL,SK	3	14-1/2	R 17		031024		033003	3	14-1/4	R 17	033074
		18'-20' Bts.-AL,SK	3	14	R 19		031025		033004	3	14-1/4	R 19	033076
		18'-19' Bts.-AL,SK	3	13-3/4	R 21		031026		033005	3	14-1/4	R 21	033078
		17'-19' Bts.-AL,SK	3	13-1/2	R 23		031027		033006	3	14-1/4	R 23	033080
		17'-18' Bts.-AL,SK	3	13-3/8	R 25		031067			3	14-1/4	R 25	033082
150 HP	86 Thru	20'-22' Bts.-AL,SK	3	15-1/4	R 15	6G5-45941-00-98	101025			3	14-1/4	x 15	103044 103045
175, 200 HP	84 Thru	20'-21' Bts.-AL,SK	3	14-5/8	R 16	6G5-45952-00-98	101026						
220 HP (Special)	84-85	19'-21' Bts.-AL,SK	3	14-1/2	R 17	6G5-45947-01-98	101027	6G5-45978-03-98	103018	3	14-1/4	x 17	103046 103047
225 HP (Excel)	87-88	18'-20' Bts.-AL,SK	3	14	R 19	6G5-45945-01-98	101028	6G5-45974-03-98	103020	3	14-1/4	x 19	103048 103049
225 HP	86 Thru	18'-20' Bts.-AL,SK	3	13-3/4	R 21	6G5-45943-01-98	101029	6G5-45972-02-98	103022	3	14-1/4	x 21	103050 103051
250 HP	90 Thru	18'-19' Bts.-AL,SK	3	13-1/2	R 23	6G5-45949-00-98	101030			3	14-1/4	x 23	103052 103053
		Up to 18' -AL,SK								3	14-1/4	x 25	103054 103055
		Excludes TRP Drive											
4 Blade Hole Shot Performance Propellers													
		50-62 MPH	4	13-3/4	R 22			MAR-GYT4B-V6-22	103030				
		55-67 MPH	4	13-3/4	R 24			MAR-GYT4B-V6-24	103032				
		60-72 MPH	4	13-3/4	R 26			MAR-GYT4B-V6-26	103034				



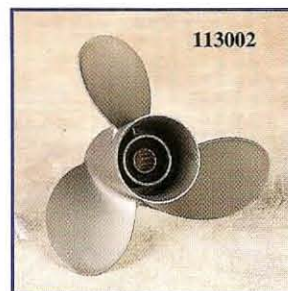
Key to abbreviations: LL:light loads; SB: Sailboat; AL: All loads; SK: Skiboat; WB: Workboat; HB: Houseboat; CR: Cruisers; HL: Heavy loads; WD: Weedless



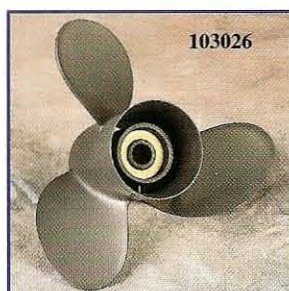
Yamaha 9.9 - 15 HP
Aluminum



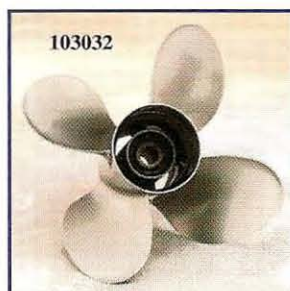
Yamaha 40-60 HP
Aluminum



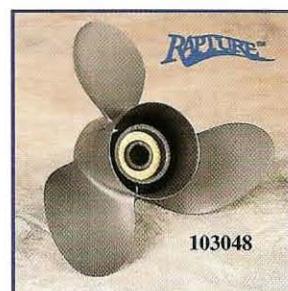
Yamaha 40 - 60 HP
Stainless Steel



Yamaha 50 - 115 HP
Stainless Steel



Yamaha 4 Blade
Stainless Steel



Yamaha 150 - 250 HP
Max-Performance
Stainless Steel

Your next prop can be better than your last!



Get a Michigan Match™. No manufacturer offers more with over 500 outboard and stern drive propeller options available from your local dealer who has access to a nation-wide inventory system.

Our prop is simply better. A custom computer aided system refines the original equipment manufacturer's design and each unit is then produced from high quality aluminum or stainless steel alloy. The result is a great propeller for improving boat and motor performance.

And as the world-leading manufacturer of replacement props, ours usually cost less and include the best warranty in the business.



NISSAN, TOHATSU

Motor & Model	Year	Boat Size & Suggestion	Blades, Diameter Rotation x Pitch		Nearest Michigan Match™ OEM Equivalent			Rapture™ Performance Stainless	
					Aluminum Part No.		Stainless No.	Blades, Diameter	Michigan Part No.
					OEM	Michigan	Michigan	Rotation & Pitch	Right
Portables									
9.9 HP	84 Thru	14'-18' Bts.-AL	3	9.2	R 6.9	362-64105-0	142015		
12 HP	85-88	12'-16' Bts.-AL	3	9.2	R 8.4	362-64102-0	142017		
15, 18 HP	85 Thru	10'-14' Bts.-AL	3	9.2	R 9.8	362-64108-0	142019		
Compacts									
25 HP	86 Thru	16'-20' Bts.-AL	3	10.2	R 8.3	346-64106-5	142020		
30 HP	85 Thru	14'-18' Bts.-AL	3	9.8	R 10.2	346-64102-5	142022		
		12'-16' Bts.-AL	3	9.9	R 13.1	346-64104-5	142024		
35 HP (35B only)	Thru 84	20' + Bts.-AL							
40 HP	84 Thru	21'-17' Bts.-AL	3	10.6	R 11.3	361-64113-0	142001		3 10-1/2 R 10 143001
50 HP (50D only)	1991	17'-16' Bts.-AL	3	10.6	R 11.7	361-64114-0	142002		3 10-1/2 R 12 143002
50 HP	92 Thru	16'-14' Bts.-AL	3	10.3	R 12.7	348-64102-0	142003		3 10-1/2 R 13 143003
		14'-12' Bts.-AL	3	10.2	R 13.9	348-64103-0	142004		3 10-1/2 R 14 143004
		Up to 13' Bts.-AL							3 10-1/2 R 15 143005
Mid-Range									
50 HP (50C only)	87-91	CR, HB	3	11.6	R 11	353-64103-0	142005		3 11-3/4 R 11 013080
55 HP	81-88	18'-15' Bts.-AL,SK	3	11.5	R 13	353-64105-0	142006		
60 HP	86 Thru	18'-15' Bts.-AL,SK	3	12-1/2	R 13			013024	3 11-3/4 R 13 013081
70 HP	81 Thru	17'-14' Bts.-AL,SK	3	11	R 15	353-64107-0	142007		
		17'-14' Bts.-AL,SK	3	12-1/4	R 15			013010	3 11-3/4 R 15 013082
		15'-13' Bts.-AL,SK	3	10.7	R 16.4	353-64108-0	142008		
		15'-13' Bts.-AL,SK	3	11-3/4	R 17			013026	3 11-3/4 R 17 013083
		14'-12' Bts.-AL,SK	3	10.9	R 17.6	353-64109-0	142009		
		14'-12' Bts.-AL,SK	3	11-1/4	R 19			013032	3 11-3/4 R 19 013084
3 & 4 Cylinder									
90 HP	87 Thru	24'-20' Bts.-AL,SK	3	13.5	R 14.6	3B7-64532-0	142010		
115 HP	92 Thru	24'-20' Bts.-AL,SK	3	13-3/4	R 15			103025	3 13-1/4 R 15 103056
120 HP	88 Thru	19'-17' Bts.-AL,SK	3	13.5	R 15.7	3B7-64536-0	142011		
140 HP	88 Thru	19'-17' Bts.-AL,SK	3	13-1/4	R 17			103026	3 13-1/4 R 17 103057
		18'-16' Bts.-AL,SK	3	12.9	R 17.6	3B7-64541-0	142012		
		18'-16' Bts.-AL,SK	3	13	R 19			103027	3 13-1/4 R 19 103058
		18'-15' Bts.-AL,SK	3	12.6	R 19.9	3B7-64545-0	142013		
		18'-15' Bts.-AL,SK							3 13-1/4 R 21 103059

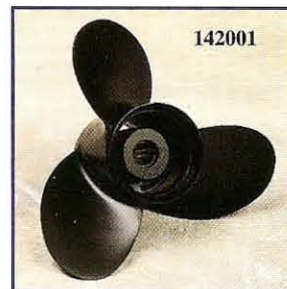
Key to abbreviations: LL:light loads; SB: Sailboat; AL: All loads; SK: Skiboat; WB: Workboat; HB: Houseboat; CR: Cruisers; HL: Heavy loads; WD: Weedless



Tohatsu / Nissan
9.9 - 18 HP Aluminum



Tohatsu / Nissan
25 - 30 HP Aluminum



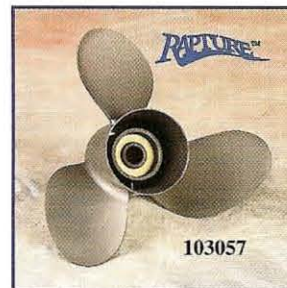
Tohatsu / Nissan
35 - 50 HP Aluminum




Tohatsu / Nissan
50 - 70 HP Aluminum



Tohatsu / Nissan
90 - 140 HP Aluminum



Tohatsu / Nissan
90 - 140 HP
Max-Performance
Stainless Steel

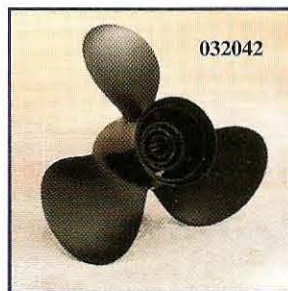
Motor & Model	Year	Boat Size & Suggestion	Blades, Diameter Rotation x Pitch	Nearest Michigan Match™ OEM Equivalent				Rapture™ Performance Stainless		
				Aluminum Part No.		Stainless Part No.		Blades, Diameter Rotation & Pitch	Michigan Part No.	
				OEM	Michigan	OEM	Michigan		Right	Left
Portable Engines										
DT 9.9	83-87	14'-20' Bts.-AL	3 9-1/4 R 7	58100-93703-019	062015					
DF 9.9	97 Thru	14'-18' Bts.-AL	3 9-1/4 R 9	58100-93723-019	062016					
DT 15	83-88	14'-16' Bts.-AL	3 9-1/4 R 11	58100-93743-019	062017					
DT 15C	89-97									
DF 15	97 Thru									
Compacts										
DT 25C	89 Thru	18'-16' Bts.-AL	3 10-1/4 R 11	58100-96420-019	062012					
DT 20,25	87-88	16'-14' Bts.-AL	3 10-1/4 R 12	58100-96430-019	062013					
DT 20,25 @	83-86	16'-14' Bts.-AL	3 10-1/4 R 13	58100-96440-019	062014					
DT 30, 30C	87-97									
DT 30 @	83-86									
Mid-Range										
DT 35C	87-90	21'-18' Bts.-AL	3 12-1/4 R 10	58100-95212-019	032045			3	10-1/2R10	033093
DT 40	83 Thru	19'-17' Bts.-AL	3 12 R 11	58100-95222-019	032044					
DT 50 & 50M	83-84	18'-16' Bts.-LL	3 10-5/8 R 12				113001	3	10-1/2R12	033094
DT 55	85-97	17'-15' Bts.-LL	3 11-3/4 R 12	58100-95393-019	032043					
DT 60	83-84	16'-14' Bts.-LL	3 11-1/2 R 13	58100-94313-019	032042			3	10-1/2R13	033095
DT 65	85-97	15'-13' Bts.-LL	3 10-1/4 R 14			58100-94401	113002	3	10-1/2R14	033096
		14'-12' Bts.-LL	3 11-1/4 R 14	58100-95353-019	032041					
			3 11 R 15	58100-95363-019	032040			3	10-1/2R15	033097
			3 10-3/4 R 16	58100-95373-019	032039					
DF 60,70 +	98 Thru	19'-17' Bts.-AL,SK	3 13-3/4 R 15	58100-95500-019	*061001	99105-00100-16P	063001	3	13-1/4R 15	063042
DT 75 ++	92-97	18'-15' Bts.-AL,SK	3 13-1/4 R 17	58100-95511-019	*061002	99105-00100-18P	063002	3	13-1/4R 17	063043
DT 75 #	83-91	16'-14' Bts.-AL,SK	3 13 R 19	58100-95521-019	*061003	99105-00101-20P	063003	3	13-1/4R 19	063044
DT 85++	92 Thru	16'-14' Bts.-LL	3 13 R 21	58100-95530-019	*061004			3	13-1/4R 21	063045
DT 85 #	79-91									
DT 90 +	89-97									
DT 100 +	89 Thru									
DT 115, 140 ++	92 Thru									
DT 115, 140 #	81-91									
V-6 Outboards										
DT 150	86 Thru	19'-17' Bts.-AL,SK						3	14-1/4x 15	☆ 063030 ☆ 063031
DT 175	86-92	18'-15' Bts.-AL,SK						3	14-1/4x 17	☆ 063032 ☆ 063033
DT 200	86 Thru	16'-14' Bts.-AL,SK						3	14-1/4x 19	☆ 063034 ☆ 063035
DT 225	90 Thru	16'-14' Bts.-LL						3	14-1/4x 21	☆ 063036 ☆ 063037
		14'-12' Bts.-LL						3	14-1/4x 23	☆ 063038 ☆ 063039
		14'-12' Bts.-LL						3	14-1/4x 25	☆ 063040 ☆ 063041
4 Blade Hole Shot Performance Propellers										
		50-62 MPH	4 13-1/4 R 22			99105-00400-23P	☆ 063016	☆ To Avoid Damage or Injury, Trim Tab 55125-87D10 must replace standard trim tab. Use stopper A9500-109 supplied with propeller		
		55-67 MPH	4 13-1/4 R 24			99105-00400-24P	☆ 063018			
		60-72 MPH	4 13-1/4 R 26			99105-00400-25P	☆ 063020			
Note: For twin engines increase pitch 4"										

Key to abbreviations: LL:light loads; SB: Sailboat; AL: All loads; SK: Skiboat; WB: Workboat; HB: Houseboat; CR: Cruisers; HL: Heavy loads; WD: Weedless

Requires: 57633-95501 Spacer - 57635-95503 Stopper - 09160-18028 Lock Washer Supplied with Engine
 @ Use Stopper 57632-96400 +Use Stopper 57632-87E10, Spacer 57633-95501, Washer 09160-18028 ++ Use stopper 57635-95510, Spacer 57633-95501, Washer 09160-1802



Suzuki 20 -30 HP
Aluminum



Suzuki 35 - 65 HP
Aluminum



Suzuki 75 - 115 HP
Aluminum



Suzuki 75 - 115 HP
Max-Performance
Stainless Steel

OMC - OUTBOARD MARINE

STERNDRIVE

Motor & Model	Year	Boat Size & Suggestion (MPH)	Blades, Diameter Rotation x Pitch	Nearest Michigan Match™ OEM Equivalent			Rapture™ Performance Stainless				
				Aluminum Part No. OEM	Michigan	Stainless Part No. OEM	Michigan	Blades, Diameter Rotation & Pitch	Michigan Part No. Right		
Model 400/Cobra®											
Model 400		Workboat (6-16)	3 14 R 11	382761	012047						
2.3 L (120 HP)	Thru 91	HB, CR (14-26)	3 14 R 13	391668	011001						
2.5 L (120 HP)	78-84	22'-19" (24-37)	3 13-3/4 R 15	391198	011002	389949	013028	3	13-1/4	R 15	013076
3.0 L (140 HP)	Thru 89	20'-17" (30-45)	3 13-1/4 R 17	391199	011003			3	13-1/4	R 17	013077
Cobra		20'-17" (30-45)	3 13-3/8 R 17			389948	013030				
2.3 L (128 HP)	88-91	20'-17" (30-45)	3 14 R 17	176214	011024						
2.5 L (120 HP)	85-87	19'-16" (36-50)	3 13 R 19	390896	011004	389510	013033	3	13-1/4	R 19	013078
3.0 L (140 HP)	85-87	19'-16" (36-50)	3 14 R 19	176215	011025						
3.0 L (130 HP)	Thru 89	18'-15" (41-53)	3 12-3/4 R 21	389788	011005	389512	013034	3	13-1/4	R 21	013079
		18'-15" (41-55)	3 14 R 21	176216	011026						
Model 800/King Cobra®/Cobra® (15 Spline)											
3.0 Litre	90-93	Non-Plane Hvy. CR	3 15-1/2 R 10		011015						
3.2 Litre (Diesel)	92-93	Non-Plane Hvy. CR	3 15-1/2 R 13	391536	011016						
3.8 Litre	78-85	26'-22" (22-32)	3 15-1/2 R 15	391535	011006						
4.3 Litre	85-93	24'-19" (28-35)	3 15 R 15			174926	013052	3	14-1/4	R 15	013064
5.0 Litre	78-93	24'-19" (28-35)	3 15 L 15			174927	013051	3	14-1/4	L 15	013065
5.8 Litre (Cobra)	89-93	24'-18" (30-39)	3 15 R 17	391200	011007	391290	013044	3	14-1/4	R 17	013066
		24'-18" (30-39)	3 15 L 17			431930	013043	3	14-1/4	L 17	012067
		20'-17" (36-44)	3 14-1/2 R 19	391201	011008	389924	013046	3	14-1/4	R 19	013068
		20'-17" (36-44)	3 14-1/2 L 19			390821	013045	3	14-1/4	L 19	013069
		19'-16" (40-49)	3 14-1/4 R 21	391202	011009	389923	013048	3	14-1/4	R 21	013070
		19'-16" (40-49)	3 14-1/4 L 21			390822	013047	3	14-1/4	L 21	013071
		20'-15" (45-56)	3 14-1/4 R 23	391203	011010	389019	013050	3	14-1/4	R 23	013072
		20'-15" (45-56)						3	14-1/4	L 23	013073
		High Perf. (50-60)						3	14-1/4	R 25	013074
		High Perf. (50-60)						3	14-1/4	L 25	013075
5.7 Litre	78-93	Hvy. CR(25-32)	3 15-1/2 R 13	391536	011016						
5.8 Litre (King Cobra)	92-94	28'-22" (30-37)	3 15-1/2 R 15	391535	011006						
7.4 Litre	90-93	26'-19" (33-39)	3 15 R 15			174926	013052	3	14-1/4	R 15	013064
7.5 Litre	87-90	26'-19" (33-39)	3 15 L 15			174927	013051	3	14-1/4	L 15	013065
8.2 Litre	92-93	26'-19" (35-46)	3 15 R 17	391200	011007	391290	013044	3	14-1/4	R 17	013066
		26'-19" (35-46)	3 15 L 17			431930	013043	3	14-1/4	L 17	012067
		24'-18" (40-52)	3 14-1/2 R 19	391201	011008	389924	013046	3	14-1/4	R 19	013068
		24'-18" (40-52)	3 14-1/2 L 19			390821	013045	3	14-1/4	L 19	013069
		22'-17" (46-60)	3 14-1/4 R 21	391202	011009	389923	013048	3	14-1/4	R 21	013070
		22'-17" (46-60)	3 14-1/4 L 21			390822	013047	3	14-1/4	L 21	013071
		High Perf. (51-66)	3 14-1/4 R 23	391203	011010	389019	013050	3	14-1/4	R 23	013072
		High Perf. (51-66)						3	14-1/4	L 23	013073
		High Perf. (55-66)						3	14-1/4	R 25	013074
		High Perf. (55-66)						3	14-1/4	L 25	013075

Key to abbreviations: LL:light loads; SB: Sailboat; AL: All loads; SK: Skiboat; WB: Workboat;
HB: Houseboat; CR: Cruisers; HL: Heavy loads; WD: Weedless

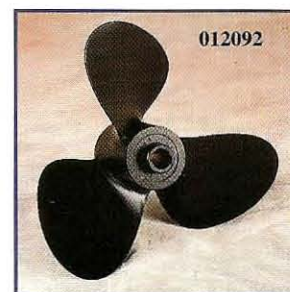
OMC COBRA® (94 Thru), SX COBRA™, VOLVO PENTA SX™

See Page 23

OMC - OUTBOARD MARINE

STERNDRIVE

Motor & Model	Number of Blades	Dia., Rot. x Pitch	OEM Number	Michigan Match™ Aluminum Part No.
OMC Saildrive®				
	3	10-1/2 R 10	376738	012027
Model 14 Large Gear Case (1967 - '77)				
HP Range: 120 to 245	3	14 R 11	382676	012089
Suggestion: For twin installation increase pitch 2"	3	14 R 12	382017	012090
	3	14 R 14	381185	012091
	3	14 R 16	381186	012092
	3	14 R 18	381187	012093
	3	14 R 20	383287	012094
80 - 90 HP 2 Cycle (1968) Small Gear Case: Marine Drive Systems/Ranger				
HP Range: 80 to 120	3	10-1/4 R 10	378040	012043
Suggestion: For twin installation increase pitch 2"	3	10 R 11	377978	012044
*Small Hub Propeller - use special nut part number 302001	3	10 R 12	378039	012045
	3	10 R 9-1/4	379260	*012042



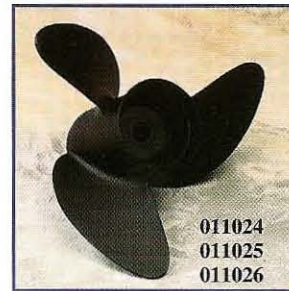
OMC Model 14 Large Gearcase Aluminum

Motor & Model	Year	Boat Size & Suggestion (MPH)	Blades, Diameter Rotation x Pitch	Nearest Michigan Match™ OEM Equivalent				Rapture™ Performance Stainless				
				Aluminum Part No.		Stainless Part No.		Blades, Diameter Rotation & Pitch		Michigan Part No.		
				OEM	Michigan	OEM	Michigan			Right		
Sea Drives®												
1.6 Litre (V-4)	82 Thru	Barges, HB (1-18)	3 14 R 11	382761	012047							
1.8 Litre (V-4)	87 Thru	26' + (14-28)	3 14 R 13	391668	011001							
		26'-22' (24-36)	3 13-3/4 R 15	391198	011002	389949	013028	3	13-1/4	R 15		013076
		22'-19' (30-40)	3 13-1/4 R 17	391199	011003			3	13-1/4	R 17		013077
		22'-19' (30-40)	3 13-3/8 R 17			389948	013030					
		22'-19' (30-40)	3 14 R 17	176214	011024							
		20'-17' (38-50)	3 13 R 19	390896	011004	389510	013033	3	13-1/4	R 19		013078
		20'-17' (38-50)	3 14 R 19	176215	011025							
		18'-15' (44-56)	3 12-3/4 R 21	389788	011005	389512	013034	3	13-1/4	R 21		013079
		18'-15' (44-56)	3 14 R 21	176216	011026							
Add 2" pitch for twin engines												
2.0 Litre (V-4)	89 Thru	Barges, HB (10-25)	3 15-1/2 R 13	391536	011016							
2.5 Litre (V-6)	82-87	36'-32' Twin (24-34)	3 15-1/2 R 15	391535	011006							
2.6 Litre (V-6)	82-Thru	36'-32' Twin (27-36)	3 15 R 15			174926	013052	3	14-1/4	R 15		013064
2.7 Litre (V-6)	87 Thru	36'-32' Twin (27-36)	3 15 L 15			174927	013051	3	14-1/4	L 15		013065
3.0 Litre (V-6)	89 Thru	33'-30' Twin (30-40)	3 15 R 17	391200	011007	391290	013044	3	14-1/4	R 17		013066
3.6 Litre (V-8)	87 Thru	33'-30' Twin (30-40)	3 15 L 17			431930	013043	3	14-1/4	L 17		013067
4.0 Litre (V-8)	89 Thru	30'-27' Twin (36-47)	3 14-1/2 R 19	391201	011008	389924	013046	3	14-1/4	R 19		013068
		30'-27' Twin (36-47)	3 14-1/2 L 19			390821	013045	3	14-1/4	L 19		013069
		28'-25' Twin (42-54)	3 14-1/4 R 21	391202	011009	389923	013048	3	14-1/4	R 21		013070
		28'-25' Twin (42-54)	3 14-1/4 L 21			390822	013047	3	14-1/4	L 21		013071
		25'-23' Twin (50-62)	3 14-1/4 R 23	391203	011010	389019	013050	3	14-1/4	R 23		013072
		25'-23' Twin (50-62)	3 14-1/4 L 23					3	14-1/4	L 23		013073
		22'-18' Twin (56-68)						3	14-1/4	R 25		013074
		22'-18' Twin (56-68)						3	14-1/4	L 25		013075

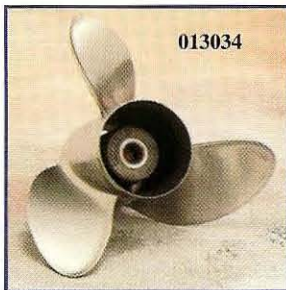
Key to abbreviations: LL:light loads; SB: Sailboat; AL: All loads; SK: Skiboat; WB: Workboat; HB: Houseboat; CR: Cruisers; HL: Heavy loads; WD: Weedless



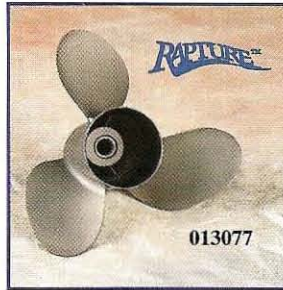
OMC Cobra™/Seadrive™
/Model 400
Aluminum Narrow Blade



OMC Cobra™/Seadrive™
/Model 400
Aluminum Wide Blade



OMC Cobra™/Seadrive™
/Model 400 Stainless Steel
Equivalent to SSTII®



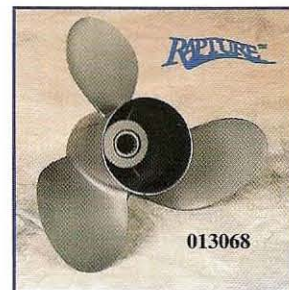
OMC Cobra™/Seadrive™
/Model 400
Max Performance Stainless Steel



OMC Cobra™/Seadrive™
/Model 800
Aluminum



OMC Cobra™/Seadrive™
/Model 800
Stainless Steel
Equivalent to SSTII®



OMC Cobra™/Seadrive™
/Model 800
Max-Performance
Stainless Steel

MERCURISER™ (BLACK MAX SERIES 1983 THRU)

STERNDRIVE

Motor & Model Year	Boat Size & Suggestion (MPH)	Blades, Diameter Rotation x Pitch	Nearest Michigan Match™ OEM Equivalent				Rapture™ Performance Stainless				
			Aluminum Part No. OEM Michigan		Stainless Part No. OEM Michigan		Blades, Diameter Rotation & Pitch		Michigan Part No. Right Left		
Alpha One™ / Mercruiser™ / Magnum & Lower HP Bravo One™. See Footnotes ▽, ▼ & ■											
Mercruiser™ 120-190 HP 83-85 Includes 470, 488, 898 Alpha One™ 2.5 L (120) 86-89 3.0 L (125-140) 86 Thru 3.7 L (165-190) 86-89	Non-Plane Hvy. CR	3 16 R 11	48-78112A40	031021							
	Non-Plane Hvy. CR	3 16 R 12	48-16436A40	031063							
	Non-Plane Hvy. CR	3 16 R 13	48-78114A40	031022							
	21'-26' (17-28)	3 16 R 14	48-16438A40	031050							
	21'-26' (18-31)	3 15-1/4 R 15	48-78116A40	031023							
	21'-26' (18-31)	3 14-1/2 R 15			48-16312A4	033002	3	14-1/4 x 15	+033072	+033073	
	19'-23' (26-34)	3 16 R 16	48-16440A40	031051							
	19'-23' (27-37)	3 14-1/2 R 17	48-78118A40	031024		48-16314A4	033003	3	14-1/4 x 17	+033074	+033075
	19'-23' (27-37)	3 15 R 17	48-832828A45	031064							
	17'-21' (32-39)	3 15-1/2 R 18	48-11324A45	031052							
	17'-21' (33-42)	3 14 R 19	48-78120A40	031025		48-16316A4	033004	3	14-1/4 x 19	+033076	+033077
	17'-21' (33-42)	3 14-1/2 R 19	48-832830A45	031065							
	Up to 19' (37-46)	3 13-3/4 R 21	48-78122A40	031026		48-16318A4	033005	3	14-1/4 x 21	+033078	+033079
	Up to 19' (37-46)	3 14-1/4 R 21	48-832832A45	031066							
	Up to 18' (40-50)	3 13-1/2 R 23	48-78124A40	031027		48-16320A4	033006	3	14-1/4 x 23	+033080	+033081
Up to 18' (40-50)	3 14 R 23	48-832834A45	031068								
Up to 18' (43-55)	3 13-3/8 R 25	48-78126A40	031067				3	14-1/4 x 25	+033082	+033083	
Mercruiser™ 200-260 HP 83-85 Includes 228, 898 Alpha One™ 4.3 (155-210 HP) 86 Thru 5.0 (180-240 HP) 86 Thru 5.7 (210-260 HP) 86 Thru 262 Magnum (205) 97 Thru 350 Mag. (240-300) 87 Thru. Bravo One™ 5.0 (220-240 HP) 98 Thru 5.7 (210-280 HP) 95 Thru 350 Magnum(300HP) 96Thru	Non-Plane Hvy. CR	3 16 R 11	48-78112A40	031021							
	Non-Plane Hvy. CR	3 16 R 12	48-16436A40	031063							
	HB (8-26)	3 16 R 13	48-78114A40	031022							
	23'-27' (18-31)	3 16 R 14	48-16438A40	031050							
	23'-28' (19-38)	3 15-1/4 R 15	48-78116A40	031023							
	23'-28' (19-38)	3 14-1/2 R 15			48-16312A4	033002	3	14-1/4 x 15	+033072	+033073	
	22'-26' (26-35)	3 16 R 16	48-16440A40	031051							
	21'-26' (29-45)	3 14-1/2 R 17	48-78118A40	031024		48-16314A4	033003	3	14-1/4 x 17	+033074	+033075
	21'-26' (29-45)	3 15 R 17	48-832828A45	031064							
	21'-25' (34-42)	3 15-1/2 R 18	48-11324A45	031052							
	19'-25' (35-49)	3 14 R 19	48-78120A40	031025		48-16316A4	033004	3	14-1/4 x 19	+033076	+033077
	19'-25' (35-49)	3 14-1/2 R 19	48-832830A45	031065							
	17'-23' (41-56)	3 13-3/4 R 21	48-78122A40	031026		48-16318A4	033005	3	14-1/4 x 21	+033078	+033079
	17'-23' (41-56)	3 14-1/4 R 21	48-832832A45	031066							
	Up to 20' (47-62)	3 13-1/2 R 23	48-78124A40	031027		48-16320A4	033006	3	14-1/4 x 23	+033080	+033081
Up to 20' (47-62)	3 14 R 23	48-832834A45	031068								
Up to 18' (47-65)	3 13-3/8 R 25	48-78126A40	031067				3	14-1/4 x 25	+033082	+033083	



- Caution: Use standard trim tab 31640-4 (except for Rapture use 822777A1) and forward thrust washer 12-835467. These propellers fit 1982 and older Alpha One/Mercruiser applications provided attaching hardware is changed to trim tab 31640-4 and thrust washer 12-835467.
- ▼ When replacing Flo-TorqII™ plastic hub props, aft castle thrust washer 12-31211A2 and conductivity (star) washer 13-42351-1 are required in addition to other hardware supplied with original propeller. See page 21 for complete details.
- ◆ When using Rapture propellers, to avoid damage or injury, replace standard trim tab with trim tab 822777A1 and use forward thrust washer 12-835467.
- Larger blade area design used primarily on 1997 and newer applications.
- All suggestions are based on single engine boats. Add 4" of pitch for twin applications.

MERCURISER™ (Thru 1982)

STERNDRIVE

Motor & Model Year	Boat Size & Suggestion (MPH)	Blades, Diameter Rotation x Pitch	Nearest Michigan Match™ OEM Equivalent				Rapture™ Performance Series			
			Aluminum Part No. OEM Michigan		Stainless Part No. OEM Michigan		Blades, Diameter Rotation & Pitch		Michigan Part No. Right Left	
HP Range: 110-330 See Footnotes ▼ & ■										
1A, 1B, 1C, 120, 140, 145 DTS, 165, 228, 470, 485, 888, 898, 225S, 233, 255TRS, 260, 280TRS, 330TRS	24' & Up	3 16 R 13	48-36020A4	+031034						
	22'-26' Boats-AL	3 16 R 15	48-79570A4	+031035			3	14-1/4 x 15	+033072	+033073
	21'-25' Boats-AL	3 15-3/4 R 17	48-79572A4	+031036	+033007		3	14-1/4 x 17	+033074	+033075
	20'-24' Boats-AL	3 15-1/2 R 19	48-79574A4	+031037	+033008		3	14-1/4 x 19	+033076	+033077
	19'-23' Boats-AL	3 15-1/4 R 21	48-79576A4	+031038	+033009		3	14-1/4 x 21	+033078	+033079
	18'-22' Boats-AL	3 15 R 23	48-79578A4	+031039			3	14-1/4 x 23	+033080	+033081
Thru 17' Boats-AL						3	14-1/4 x 25	+033082	+033083	

- ▼ When replacing Flo-TorqII™ plastic hub props, aft castle thrust washer 12-31211A2 and conductivity (star) washer 13-42351-1 are required in addition to other hardware supplied with original propeller. See page 21 for complete details.
- ◆ When using Rapture propellers, to avoid damage or injury, replace standard trim tab with trim tab 822777A1 and use forward thrust washer 12-835467.
- All suggestions are based on single engine boats. Add 4" of pitch for twin applications.
- Caution: Use standard trim tab 34127A1 (except Rapture use 822777A1) and forward thrust washer 56292A2. These propellers fit 1993 and newer Alpha One/Mercruiser applications provided thrust washer is changed to 56292A2.

Mercruiser™ - (Thru 1990 Only) For twin installations increase pitch 2"										
Mercruiser II-TR, TR, Bravo Two, 215E & 215H	25'-34' Boats	3 20 R 17	48-77896A10	032113						
	25'-34' Boats	3 20 L 17	48-77897A10	032114						
	25'-30' Boats	3 19-3/4 R 19	48-77898A10	032115						
	25'-30' Boats	3 19-3/4 L 19	48-77899A10	032116						
	22'-28' Boats	3 19-1/2 R 21	48-77900A10	032117						
	22'-28' Boats	3 19-1/2 L 21	48-77901A10	032118						
Mercruiser™ - For twin installations increase pitch 2"										
Model O - 60 HP	HB, Barges	3 10-1/4 R 10	48-33774A1	032084						
	22'-25' Boats	3 10-1/4 R 11	48-38098A1	032085						
	18'-21' Boats	3 10-1/4 R 12	48-38094A1	032086						
	Thru 17'	3 10-1/4 R 13	48-38090A1	032087						
Mercruiser I™ ('62-'63) HP Range: 80 to 140. For twin installations increase pitch 2"										
Mercruiser™ 80,90	Houseboats, Barges	3 13 R 11	48-35936A3	032089						
	22'-25' Boats	3 13 R 13	48-58826A3	032090						
	20'-23' Boats	3 13 R 15	48-32390A3	032091						
	'-22' Boats	3 13 R 17	48-65022A1	032092						
	18'-21' Boats	3 13 R 19	48-65024A1	032093						
	Thru 17' Boats	3 13 R 21	48-67280A1	032094						



Large Diameter Aluminum Pre-1983 Mercruiser™ Drive

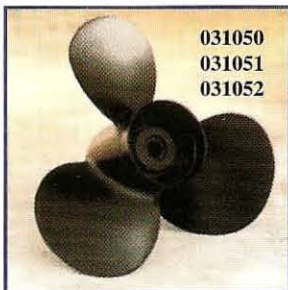
Key to abbreviations: LL:light loads; SB: Sailboat; AL: All loads; SK: Skiboat; WB: Workboat; HB: Houseboat; CR: Cruisers; HL: Heavy loads; WD: Weedless

BRAVO ONE™ & High HP ALPHA ONE™ Drives High Performance Propellers

Motor & Model Year	Boat Size & Suggestion (MPH)	Blades, Diameter Rotation x Pitch	Michigan Wheel Nearest OEM Match			
			OEM Stainless Steel Part No.		Michigan Stainless Steel Part No.	
			RH Part No.	LH Part No.	RH Part No.	LH Part No.
Rubber Hub Propellers for Applications 365 HP and Lower-See footnotes ▼ & ■						
Alpha One™(see *) 5.0 (250 HP) 98 Thru 5.7 (250-260 HP) 95 Thru 320 EFI (320 HP) 87-89 350 Mag.(240-280) 87 Thru 454 Mag.(330 HP) 1987 Diesel D2.8L 97 Thru D3.0 L 90-96 D3.6 L 90 Thru D4.2 L 90 Thru D7.3 L 98 Thru	22'-25' Boats-AL, SK 21'-23' Boats-AL, SK Up to 22' Bts.-AL, SK Up to 20' Bts.-AL, SK	3 15-1/4 x 19 3 14-3/4 x 21 3 14-5/8 x 23 3 14-1/2 x 25	48-13700A41 Mirage™ 48-13702A41 Mirage™ 48-13704A41 Mirage™ 48-13706A41 Mirage™	48-13701A41 Mirage™ 48-13703A41 Mirage™ 48-13705A41 Mirage™ 48-13707A41 Mirage™	033030 033032 033034 033036	033029 033031 033033 033035
Bravo One™ 5.7 (250-280 HP) 95 Thru 320 EFI (320 HP) 88-89 350 Mag.(300HP) 96 Thru 7.4 (300-330 HP) 88 Thru 454 Mag.(350-365) 88 Thru	25'-30' Boats-AL, SK 23'-27' Boats-AL, SK 22'-25' Boats-AL, SK 21'-24' Boats-AL, SK	3 15-1/4 x 19 3 14-3/4 x 21 3 14-5/8 x 23 3 14-1/2 x 25	48-13700A41 Mirage™ 48-13702A41 Mirage™ 48-13704A41 Mirage™ 48-13706A41 Mirage™	48-13701A41 Mirage™ 48-13703A41 Mirage™ 48-13705A41 Mirage™ 48-13707A41 Mirage™	033030 033032 033034 033036	033029 033031 033033 033035
Solid Hub Propellers for Applications Over 365 HP - See Footnotes ▼ & ■						
Bravo One™ 454 Mag.(385HP) 95 Thru 502 Mag.(390-415) 90 Thru 450 HP (425 HP) 1995 465 HP (445 HP) 91-94 500 HP(465-475) 93 Thru 525 HP(SC)(490-500)92-Th	26'-32' Boats 24'-30' Boats 23'-28' Boats 21'-26' Boats	3 15-1/4 x 19 3 14-3/4 x 21 3 14-5/8 x 23 3 14-1/2 x 25	48-13242A50 Mirage™ 48-13244A50 Mirage™ 48-13246A50 Mirage™ 48-13248A50 Mirage™	48-13243A50 Mirage™ 48-13245A50 Mirage™ 48-13247A50 Mirage™	●033052 ●033054 ●033056 ●033058	●033053 ●033055 ●033057

Key to abbreviations: LL:light loads; SB: Sailboat; AL: All loads; SK: Skiboat; WB: Workboat;HB: Houseboat; CR: Cruisers; HL: Heavy loads; WD: Weedless

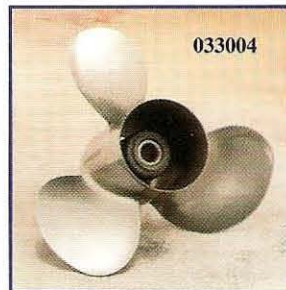
- ▼ When replacing Flo-TorqII™ plastic hub props, aft castle thrust washer 12-31211A2 and conductivity (star) washer 13-42351-1 are required in addition to other hardware supplied with original propeller. See page 21 for complete details.
- All suggestions are based on single engine boats. Add 4" of pitch for twin applications.
- * Wave Propellers used on Alpha One drives require use of anodic plate 76214A5 or high performance trim tab 822777A1 in place of standard trim tab.
- Solid Hub Wave Propellers include forward thrust washer 9500-120 and should be used in place of the existing one.



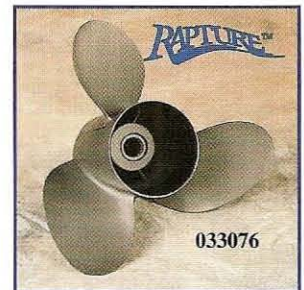
031050
031051
031052
Wide Blade Propeller for the Alpha One™ Drive



031025
Alpha One™ Sterndrive Aluminum



033004
Alpha One™ Sterndrive Stainless Steel Equivalent to QSS®



033076
Alpha One™ Sterndrive Max-Performance Stainless Steel

Replacing a Flo-TorqII™ Drop In Hub design with Michigan Propellers

Propellers supplied from Mercury, Mariner and Force since 1996 come with Flo-TorqII drop in hubs equipped with attaching hardware A,B,C,F & G per the following illustrations. When switching to Michigan Match™ or Rapture™ propellers, change the attaching hardware set up as follows.

When converting to a Michigan Propeller on a **4-cylinder gear-case**, eliminate B & C, replace A with H and use existing hardware F & G.

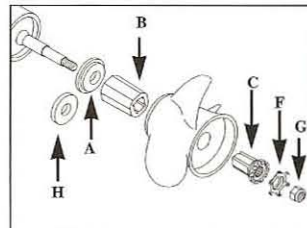
When converting to a Michigan Propeller on a **V-6 gear-case**, eliminate B & C and use A, D, E, F & G as attaching hardware (D & E replaces C). Be sure to use high-performance trim tab 822777A1 for Rapture installations.

Michigan Wheel offers the following attaching hardware kits for these installations:

- 990312 Includes D & E for the V-6 gear-case
- 990332 Includes Forward Thrust Washer H for 4 Cylinder gear-case

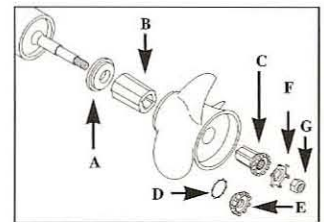
- 9661-1 Includes A, D, E, F & G for the V-6 gear-case
- 9660-1 Includes H, F & G for the 4 cylinder gear-case

4 Cylinder Gear-Case Example part No. 031042



- A) 12-835467 Forward Thrust Washer
- B) 827703 Plastic Drive Sleeve
- C) 826074-1 Metal Sleeve adapter
- D) 13-42351-1 Conductivity (star) washer

V-6 Gear-case Motor Example Part No. 031025



- E) 12-31211A2 Aft Castle Thrust Washer
- F) 14-816629 Locking Tab Washer
- G) 11-827614 Shaft Prop Nut
- H) 13191A1 Forward Thrust Washer

Flo-Torq II™, Force™, Mariner™, Mercury™, Mercruiser™, Alpha One™, Bravo One™ are registered trademarks of the Brunswick Corporation. Michigan Match™ and Rapture™ are registered trademarks of the Michigan Wheel Corporation.

Aquamatic 200, 250, 270, 275, 280, 290 SP

Motor HP	Gear Ratio	Approximate Boat Length			
		Thru 17'	18'-21'	22'-25'	Houseboats Barges
110-145	1.35:1	14 x 15			
	1.62:1	14 x 17	14 x 15	14 x 15	
	2.15:1	14 x 19	14 x 17	14 x 17	15 x 13
150-185	1.35:1	14 x 17	14 x 17	15 x 13	
	1.61:1	14 x 21	14 x 21	15 x 17	15 x 15
	1.89:1	14 x 19	14 x 19	15 x 15	15 x 13
190-255	1.35:1	14 x 21	15 x 19	15 x 17	
	1.61:1	14 x 23	16 x 17	16 x 17	16 x 13
230-260	1.61:1	14 x 23	14 x 23	15 x 21	
290	1.61:1	14 x 23	14 x 23	14 x 21	



Volvo Long Hub Aluminum

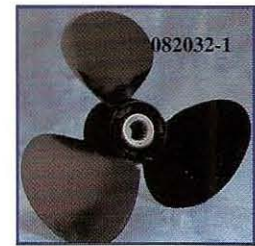


Volvo Long Hub Aluminum

Long Hub Propellers Nearest Michigan Match™ OEM Equivalent				
Blades, Diameter Rotation x Pitch	Aluminum Part Number		Stainless Part Number	
	OEM	Michigan	OEM	Michigan
3 14 R 17	854286-4	❖082002-1		084006
3 14 L 17	854977-6	❖082001-1		
3 14 R 19	854993-3	❖082004-1		084008
3 14 L 19	854978-4	❖082003-1		
3 14 R 21	851139-6	❖082010-1		
3 14 L 21	854979-2	❖082009-1		
3 15 R 17	854997-4	❖082012-1		
3 15 L 17	854982-6	❖082011-1		
3 15 R 19	854998-2	❖082014-1		
3 15 L 19	854983-4	❖082013-1		
3 15 R 21	854999-0	❖082016-1		
3 15 L 21	854984-2	❖082015-1		
3 16 L 13	854986-7	082089-1		
3 16 R 15	872001-3	082090-1		
3 16 L 15	854987-5	082091-1		
3 16 R 17	872002-1	082092-1		
3 16 L 17	854988-3	082093-1		
3 15-1/4 R 17	SSV Series Stainless		❖852155-1	❖083002
3 15-1/4 L 17	SSV Series Stainless		❖852086-8	❖083001
3 15 R 19	SSV Series Stainless		❖852138-7	❖083004
3 15 L 19	SSV Series Stainless		❖852085-0	❖083003
3 14-1/2 R 21	SSV Series Stainless		❖852137-9	❖083006^
3 14-1/2 L 21	SSV Series Stainless		❖852087-6	❖083005^



Standard Hub Propellers Nearest Michigan Match™ OEM Equivalent			
Blades, Diameter Rotation x Pitch	OEM Number		Aluminum Number
	3 14 R 15	814631-8	814626-8	082026-1
3 14 L 15	814632-6	814627-6	082025-1
3 14 R 17	814633-4	814628-4	082028-1
3 14 L 17	814627-6	814628-4	082027-1
3 14 R 19	814633-4	814628-4	082032-1
3 14 L 19	814628-4	814634-2	082031-1
3 14 R 21	814634-2	814629-2	082034
3 14 L 21	814629-2	813316-7	082033
3 15 L 13	813316-7	814615-1	082087-1
3 15 R 15	814615-1	814611-0	082060-1
3 15 L 15	814611-0	814616-9	082059-1
3 15 R 17	814616-9	814612-8	082030-1
3 15 L 17	814612-8		082029-1
3 15 R 19			082022
3 15 L 19			082021
3 15 L 21			082023



Volvo Standard Hub Aluminum

Volvo-Penta 100 - 110: Eaton Model B: (Pin Drive)					
Motor & Model	Blds.	Dia.	x Pitch	OEM Part No.	Nearest Aluminum Michigan Match™ Equivalent
HP Range: 110 to 150	3	14	L 12	813228	082045
Suggestion: For twin installation increase pitch 2"	3	14	L 10	813226	082057

Long Hub Propellers are for use with model 275, 280 & 290 outdrives and late production 270 outdrives which have drilled propeller shaft.

Standard Hub Propeller installations from outdrive serial #PZ2877179, and are NOT for use with V-6 diesel engines.

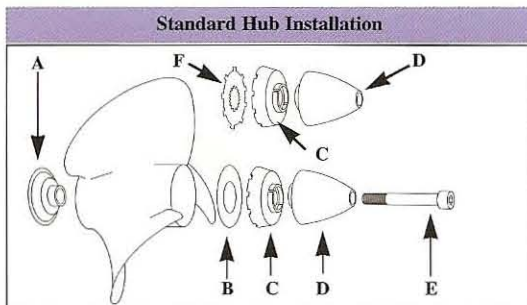
Propeller Hardware is available thru Michigan Wheel or Volvo Distributors

❖ Note: Bushings for above aluminum propellers suggested for max. 240 HP UNLESS marked with a ❖

SSV Series: 1. Designed for boats with power to weight ratios of 12:1 and below. 2. Boats must have power trim. 3. Anti-cavitation plate height 1" above boat bottom.

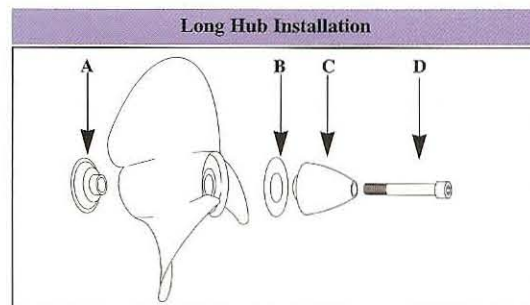
4. Blades cambered must run in ventilated condition. 5. Use 2" less pitch if current aluminum prop is cupped, 3" less if uncupped.

^ Will not fit a 270 outdrive.



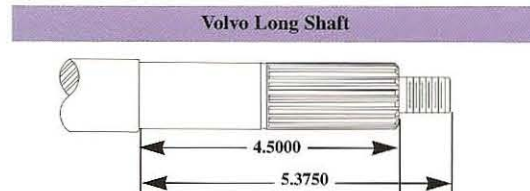
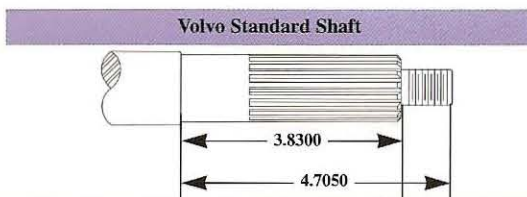
Standard Hub Propeller installations require:

- A) Thrust Washer #839534-5 (Depth: .625")
- B) Washer #850888-9 or F) Washer #897367-9
- C) Spacer Ring #854047-8,
- D) Propeller Cone #8504045-2
- E) allen bolt #850889-7



Long Hub Propeller Hardware

- A) Thrust Washer #839423-1 (Depth: 1.3")
- B) Washer #850888-9
- C) Propeller Cone #8504045-2
- D) Allen Bolt #850889-7



VOLVO PENTA

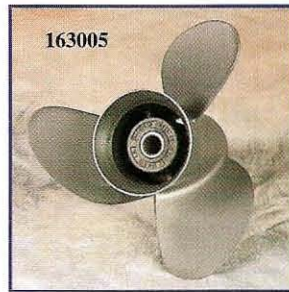
STERNDRIVE

Motor & Model	Year	Boat Size & Suggestion	Blades, Diameter Rotation, Pitch	Nearest Michigan Match™ OEM Equivalent						Rapture™ Performance Stainless						
				OEM Volvo	OEM OMC	Michigan Aluminum	OEM Volvo	OEM OMC	Michigan Stainless	Blades, Diameter Rotation & Pitch	Michigan Part No. Right Left					
SXCobra™, Volvo Penta SX™, OMC Cobra® (94 Thru) (19 Spline)																
3.0 Litre	94 Thru	28'-24' (26-36)	3 15-1/2 R15	3850299-3	3850299	161001										
4.3 Litre	94 Thru	28'-24' (26-36)	3 15 R15				3850305-8	3850305	163002	3	14-1/4 x 15	163012	163013			
5.0 Litre	94 Thru	27'-22' (34-44)	3 15 R17	3850300-9	3850300	161002	3850307-4	3850307	163004	3	14-1/4 x 17	163014	163015			
5.7 Litre	94 Thru	27'-22' (34-44)	3 15 L17				3850316-5	3850316	163003							
5.8 Litre	94-97	25'-19' (39-50)	3 14-1/2 R19	3850301-7	3850301	161003	3850308-2	3850308	163006	3	14-1/4 x 19	163016	163017			
7.4 Litre	97 Thru	25'-19' (39-50)	3 14-1/2 L19				3850317-3	3850317	163005							
8.2 Litre	1997	22'-17' (39-50)	3 14-1/4 R21	3850302-5	3850302	161004	3850309-0	3850309	163008	3	14-1/4 x 21	163018	163019			
		22'-17' (39-50)	3 14-1/4 L21				3850318-1	3850318	163007							
		20'-17' (44-57)	3 14-1/4 R23				3850310-8	3850310	163010	3	14-1/4 x 23	163020	163021			
		19'-16' (48-62)	3 14-1/4 R23				3850319-9	3850319	163009	3	14-1/4 x 25	163022	163023			

Note: Add 4" pitch for twin engine applications.



161003
OMC Cobra™ (1994 Thru)
SX Cobra™
Aluminum



163005
OMC Cobra™ (1994 Thru)
SX Cobra™
Sterndrive Stainless Steel (LH)



163006
OMC Cobra™ (1994 Thru)
SX Cobra™
Sterndrive Stainless Steel (RH)



163016
OMC Cobra™ (1994 Thru)
SX Cobra™
Max-Performance Stainless Steel

YAMAHA

STERNDRIVE

Motor & Model	Year	Boat Size & Suggestion (MPH)	Blades, Diameter Rotation x Pitch	Nearest Michigan Match™ OEM Equivalent						Rapture™ Performance Stainless			
				Aluminum Part No. OEM Michigan		Stainless Part No. OEM Michigan		Blades, Diameter Rotation & Pitch	Michigan Part No. Right Left				
3.0 L (130 HP)	89-93	21'-26' Bts. (18-31)	3 15-1/4 R 15	6G5-45941-00-98	101025					3	14-1/4 x 15	103044	103045
EST/PSR		20'-24' Bts. (25-34)	3 14-5/8 R 16	6G-45952-00-98	101026								
4.3 L (205 HP)	89-93	19'-23' Bts. (27-37)	3 14-1/2 R 17	6G5-45947-01-98	101027	6G5-45978-03-98	103018	3	14-1/4 x 17	103046	103047		
EST/YEMS/PRS		17'-21' Bts. (33-42)	3 14 R 19	6G5-45945-01-98	101028	6G5-45974-03-98	103020	3	14-1/4 x 19	103048	103049		
		18'-19' Bts. (37-46)	3 13-3/4 R 21	6G5-45943-01-98	101029	6G5-45972-03-98	103022	3	14-1/4 x 21	103050	103051		
		17'-19' Bts. (39-48)	3 13-1/2 R 23	6G5-45949-00-98	101030			3	14-1/4 x 23	103052	103053		
		Up to 18' Bts. (40-50)						3	14-1/4 x 25	103054	103055		
5.0 L (205 HP)	89-93	23'-28' Bts. (19-38)	3 15-1/4 R 15	6G5-45941-00-98	101025					3	14-1/4 x 15	103044	103045
EST/PSR/YEMS		22'-27' Bts. (24-42)	3 14-5/8 R 16	6G-45952-00-98	101026								
5.7 L (260 HP)	89-93	21'-26' Bts. (29-45)	3 14-1/2 R 17	6G5-45947-01-98	101027	6G5-45978-03-98	103018	3	14-1/4 x 17	103046	103047		
EST/PSR/YEMS		19'-25' Bts. (35-49)	3 14 R 19	6G5-45945-01-98	101028	6G5-45974-03-98	103020	3	14-1/4 x 19	103048	103049		
7.4 L (300 HP)	92-93	18'-23' Bts. (41-56)	3 13-3/4 R 21	6G5-45943-01-98	101029	6G5-45972-03-98	103022	3	14-1/4 x 21	103050	103051		
Hydra Drive (EST)		17'-22' Bts. (43-58)	3 13-1/2 R 23	6G5-45949-00-98	101030			3	14-1/4 x 23	103052	103053		
		Up to 17' Bts. (45-59)						3	14-1/4 x 25	103054	103055		

Let the meek inherit the Earth.



You get the water.

Max-Performance Propellers

RAPTURE



Introducing Rapture, the new generation of stainless steel props, developed solely to give you maximum performance and efficiency.

No tricks, just solid design engineering and 90 years of expertise applied to a single, rugged piece of cast 15-5 stainless steel alloy.

No hype, just serious hydrodynamic features like vent holes* for deep hole shots and awesome acceleration. Progressive pitched blades, thin enough to maximize propulsion, thick enough to take a beating. Cupped, precision finished trailing blade edges that grab and hold water. And a large, powerful blade area, buffed to a mirror finish to cut speed loss and minimize corrosion.

All made in the USA, and backed by a Limited Lifetime Warranty.

Go to your marine dealer. Compare Rapture with the competitor's stainless steel props. You won't find a better high performance prop at a more affordable price. Then install your new Rapture and follow the simple operating instructions: Sit down. Shut up. Hang on.

**Michigan
Wheel
Corporation**

*Available on larger HP models only

MICHIGAN WHEEL CORPORATION ALPHA NUMERIC CROSS REFERENCE

Alpha Numeric	Numeric	Page(s)	Alpha Numeric	Numeric	Page(s)	Alpha Numeric	Numeric	Page(s)	Alpha Numeric	Numeric	Page(s)
AM431	012067	6	PJ 62	012040	6	PM323-C	031045	8,9,11,12,14	SMC348	082033	22
AMC308	072014	8	PJ 74	012042	6,18	PM513	032039	9,10,14,17	SMC349	082034	22
AMC422	012068	6	PJ 75	012043	6,18	PM515	032040	9,10,14,17	SMC374-C	031035	20
AMC490	152002	8	PJ 76	012044	6,18	PM518	032041	9,10,14,17	SMC376-C	031036	20
AMC580-S	032077	10	PJ 77	012045	6,18	PM521	032042	9,10,14,17	SMC378-C	031037	20
DQ320	012074	7	PJ 83-C	011005	7,18,19	PM524	032043	9,10,14,17	SMC380-C	031038	20
DQ328	012075	7	PJ 87	012047	7,18,19	PM527	032044	9,10,14,17	SMC382-C	031039	20
EWC19	012076	6,9	PJ 88-C	011001	7,18,19	PM530	032045	9,10,14,17	SMC504-C	031034	20
G 20	072017	8	PJ 89-C	011002	7,18,19	PM600-C	031015	8,10,12	SMC921	082045	22
G 30	152014	8	PJ 90-C	011003	7,18,19	PM612-C	031016	8,10,12	SMC980	082057	22
NP 74	302001	6,18	PJ 91-C	011004	7,18,19	PM613-C	031017	8,10,12	SPC180	072107	8
PC 12	072024	8	PJ 94	012053	6	PM614-C	031018	8,10,12	SPC182	072108	8
PC 20	072026	8	PJ 95	012054	6	PM615-C	031019	8,10,12	SPC184	072109	8
PC 24	072121	8	PJ 96	012055	6	PM617-C	031020	8,10,12	SSC315-C	073002	8
PC 28	072122	8	PJ 97	012056	6	PR 33	032084	10,20	SSC317-C	073003	8
PC112	072123	8	PJ 98	012057	6	PR 35	032085	10,20	SSC319-C	073004	8
PJ 3	012001	6	PJ199-C	011015	7,18,19	PR 37	032086	10,20	SSM212-C	033001	8,10,12
PJ 7	012004	6	PJ200-C	011016	7,18,19	PR 39	032087	10,20	SSM245-C	033002	11,13,14,20
PJ 8	012005	6	PJ201-C	011006	7,18,19	PR 78	072032	8	SSM247-C	033003	11,13,14,20
PJ 9	012006	6,9	PJ202-C	011007	7,18,19	PR 80	072033	8	SSM249-C	033004	11,13,14,20
PJ 10	012007	6	PJ203-C	011008	7,18,19	PR 82	072034	8	SSM251-C	033005	11,13,14,20
PJ 11	012008	6,12,14	PJ204-C	011009	7,18,19	PR115	012089	6,18	SSM253-C	033006	11,13,14,20
PJ 15	012010	6,12,14	PJ205-C	011010	7,18,19	PR118	012090	6,18	SSM350-C	033007	20
PJ 16	012011	6,9,12,14	PJ300	012060	6	PR120	012091	18	SSM354-C	033008	20
PJ 18	012013	6,12,14	PM 8	032014	10	PR122	012092	18	SSM358-C	033009	20
PJ 19	012109	6,9	PM 19	032019	10	PR124	012093	18	SSM615-C	033016	8,9,11,12,14
PJ 21	012014	6,9	PM 20	032020	10	PR126	012094	18	SSM617-C	033017	8,9,11,12,14
PJ 22	012015	6,18	PM 21	032021	10	PR151	032089	11,20	SSM619-C	033018	8,9,11,12,14
PJ 24	012016	6,18	PM 22-C	031047	8,10,12	PR153	032090	11,20	SSM621-C	033019	8,9,11,12,14
PJ 29	012021	6	PM 23-C	031048	8,10,12	PR155	032091	11,20	SSO315-C	013010	6,16
PJ 30	012022	6	PM 24-C	031049	8,10,12	PR155-C	031001	11	SSV171-C	083001	22
PJ 31	012023	6	PM 39	022001	12,14	PR157	032092	11,20	SSV172-C	083002	22
PJ 32	012024	6,18	PM 40	022002	12,14	PR157-C	031002	11	SSV191-C	083003	22
PJ 35	012025	6,18	PM 42	022003	12,14	PR159	032093	11,20	SSV192-C	083004	22
PJ 40	012026	6,18	PM211-C	031021	11,13,14,20	PR159-C	031003	11	SSV211-C	083005	22
PJ 41	012027	6,18	PM213-C	031022	11,13,14,20	PR161	032094	11,20	SSV212-C	083006	22
PJ 42	012028	6	PM215-C	031023	11,13,14,20	PR161-C	031004	11	SSY615-C	103025	14,16
PJ 45	012030	6	PM217-C	031024	11,13,14,20	PR276	072054	8	SSY617-C	103026	14,16
PJ 47	012031	6	PM219-C	031025	11,13,14,20	PR278	072055	8	SSY619-C	103027	14,16
PJ 49	012032	6	PM221-C	031026	11,13,14,20	PR339	032099	10	SSY717-C	103018	14,23
PJ 50	012033	6,8	PM223-C	031027	11,13,14,20	SMC 18	012101	6,12,14	SSY719-C	103020	14,23
PJ 58	012036	6	PM315-C	031041	8,9,11,12,14	SMC 39	012102	6,9,12,14	SSY721-C	103022	14,23
PJ 59	012037	6	PM317-C	031042	8,9,11,12,14	SMC292	082022	22			
PJ 60	012038	6	PM319-C	031043	8,9,11,12,14	SMC293	082021	22			
PJ 61	012039	6	PM321-C	031044	8,9,11,12,14	SMC295	082023	22			

MICHIGAN WHEEL CORPORATION CROSS REFERENCE

Original Equipment Manufacturer Part # & Trade Mark	Michigan Wheel Corporation			Original Equipment Manufacturer Part # & Trade Mark	Michigan Wheel Corporation			Original Equipment Manufacturer Part # & Trade Mark	Michigan Wheel Corporation		
	Nearest Match	Rapture Stainless	Catalog Page #s		Nearest Match	Rapture Stainless	Catalog Page #s		Nearest Match	Rapture Stainless	Catalog Page #s
Evinrude, Johnson, OMC											
174811	VIPER™(LH)	013069	7,18,19	176574	SST II®	013079	7,18,19	277212	012076	6	
174812	VIPER™(LH)	013071	7,18,19	176615	Swept-Blade™	013066	7,18,19	277440	012060	6	
174813	VIPER™(LH)	013073	7,18,19	176616	Swept-Blade™(LH)	013067	7,18,19	277443	012076	6	
174814	VIPER™	013068	7,18,19	176617	Swept-Blade™	013068	7,18,19	277580	012024	6,18	
174815	VIPER™	013070	7,18,19	176618	Swept-Blade™(LH)	013069	7,18,19	277581	012024	6,18	
174816	VIPER™	013072	7,18,19	176619	Swept-Blade™	013070	7,18,19	277583	012076	6	
174889	VIPER™	013066	7,18,19	176620	Swept-Blade™(LH)	013071	7,18,19	277595	012006	6,9	
174890	VIPER™(LH)	013067	7,18,19	176623	VIPER™	013077	7,18,19	277599	012011	6	
174926	SST II®	013052	013064	176624	VIPER™	013078	7,18,19	277617	012028	6	
174927	SST II® (LH)	013051	013065	176625	VIPER™	013079	7,18,19	277759	012008	6	
174950		012111	6	176626	Swept-Blade™	013066	7,18,19	277896	012033	6	
175190		012055	6	176627	Swept-Blade™	013068	7,18,19	278155	012033	6	
175191		012056	6	176628	Swept-Blade™	013070	7,18,19	278194	012026	6,18	
176214		011024	013077	176629	Swept-Blade™(LH)	013067	7,18,19	375605	012109	6	
176215		011025	013078	176630	Swept-Blade™(LH)	013069	7,18,19	376072	012060	6	
176216		011026	013079	176902	Swept-Blade™(LH)	013071	7,18,19	376506	012076	6	
176421		011027	013082	178811	VIPER™(LH)	013069	7,18,19	376732	012024	6,18	
176422		011028	013083	178814	VIPER™	013068	7,18,19	376735	012109	6	
176423		011029	013084	203120		012001	6	376737	012076	6	
176572	SST II®	013077	7,18,19	203682		012001	6	376738	012027	6,18	
176573	SST II®	013078	7,18,19	203919		012001	6	376777	012060	6	
				204347		012001	6	376805	012011	6	

Caution! Please Reference Catalog Page For Possible Special Hardware Instructions

MICHIGAN WHEEL CORPORATION CROSS REFERENCE

Original Equipment Manufacturer Part # & Trade Mark	Michigan Wheel Corporation			Original Equipment Manufacturer Part # & Trade Mark	Michigan Wheel Corporation			Original Equipment Manufacturer Part # & Trade Mark	Michigan Wheel Corporation				
	Nearest Match	Rapture Stainless	Catalog Page #(s)		Nearest Match	Rapture Stainless	Catalog Page #(s)		Nearest Match	Rapture Stainless	Catalog Page #(s)		
Evinrude, Johnson, OMC (Continued)													
376841	.012109		6	388294	.012102		6	3850307	.163004	.163014	23		
376917	.012028		6	388883	.012016		6,18	3850308	.163006	.163016	23		
376968	.012060		6	389019	.SST II@	.013050	.013072	7,18,19	3850309	.163008	.163018	23	
377410	.012023		6	389029	.SST@	.013032	.013084	6	3850310	.163010	.163020	23	
377632	.012060		6	389068		.012021		6	3850311	.VIPER™	.163014	23	
377635	.012007		6	389069		.012015		6,18	3850312	.VIPER™	.163016	23	
377636	.012011		6	389510	.SST II@	.013033	.013078	7,18,19	3850313	.VIPER™	.163018	23	
377978	.012044		6,18	389512	.SST II@	.013034	.013079	7,18,19	3850314	.VIPER™	.163020	23	
378039	.012045		6,18	389619		.012015		6,18	3850315	.(LH)	.163013	23	
378040	.012043		6,18	389627		.012101		6	3850316	.(LH)	.163003	.163015	23
378571	.012026		6,18	389788		.011005	.013079	7,18,19	3850317	.(LH)	.163005	.163017	23
378579	.012025		6,18	389855		.012023		6	3850318	.(LH)	.163007	.163019	23
378580	.012022		6	389923	.SST II@	.013048	.013070	7,18,19	3850319	.(LH)	.163009	.163021	23
378581	.012023		6	389924	.SST II@	.013046	.013068	7,18,19	3850320	.VIPER™(LH)		.163015	23
379260	.012042		6,18	389944		.012030		6	3850321	.VIPER™(LH)		.163017	23
379717	.012109		6	389948	.SST II@	.013030	.013077	7,18,19	3850322	.VIPER™(LH)		.163019	23
380104	.012004		6	389949	.SST II@	.013028	.013076	7,18,19	3850323	.VIPER™(LH)		.163021	23
380637	.012024		6,18	390113	.SST@	.013033	.013078	7,18,19	3855142	.Raker@		.163016	23
380958	.012005		6	390114	.SST@	.013030	.013077	7,18,19	3855144	.Raker@		.163018	23
381185	.012091		18	390237		.012032		6	3855146	.Raker@		.163020	23
381186	.012092		18	390380		.012057		6	3855148	.Raker@		.163022	23
381187	.012093		18	390821	.SST II@ (LH)	.013045	.013069	7,18,19	3855152	.Raker@ (LH)		.163017	23
381446	.012044		6,18	390822	.SST II@ (LH)	.013047	.013071	7,18,19	3855154	.Raker@ (LH)		.163019	23
381801	.012011		6	390823	.SST II@ (LH)		.013073	7,18,19	3855156	.Raker@ (LH)		.163021	23
382017	.012090		6,18	390830		.012031		6	3855158	.Raker@ (LH)		.163023	23
382676	.012089		6,18	390833		.012024		6,18	Force, US Marine, Chrysler				
382761	.012047		7,18,19	390849	.SST@	.013024	.013081	6	48-16986A 5	.QSS™	.033016	.033084	8
382762	.011001		7,18,19	390850	.SST@	.013010	.013082	6	48-16986A45	.Vengeance	.033016	.033084	8
382763	.011002	.013076	7,18,19	390851	.SST@	.013026	.013083	6	48-16988A40	.QSS™	.033017	.033085	8
382764	.011003	.013077	7,18,19	390852	.SST@	.013032	.013084	6	48-16988A45	.Vengeance	.033017	.033085	8
382765	.011004	.013078	7,18,19	390896		.011004	.013078	7,18,19	48-16990A40	.QSS™	.033018	.033086	8
382766	.011005	.013079	7,18,19	391096		.012031		6	48-16990A45	.Laser II	.033018	.033086	8
383287	.012094		18	391198		.011002	.013076	7,18,19	48-16992A40	.QSS™	.033019	.033087	8
383315	.012008		6	391199		.011003	.013077	7,18,19	48-16992A45	.Laser II	.033019	.033087	8
383629	.012011		6	391200		.011007	.013066	7,18,19	48-19638A40	.Black Max™	031049		8
384139	.SST@	.013030	.013077	391201		.011008	.013068	7,18,19	48-19640A40	.Black Max™	031048		8
384140	.SST@	.013030	.013079	391202		.011009	.013070	7,18,19	48-19642A40	.Black Max™	031047		8
384141	.SST@	.013034	.013079	391203		.011010	.013072	7,18,19	48-42738A10	.Black Max™	032141		8
384142	.SST@	.013033	.013078	391290	.SST II@	.013044	.013066	7,18,19	48-42740A10	.Black Max™	032142		8
384144	.SST@	.013028	.013076	391534		.012101		6	48-64724A 1		.031020		8
384460	.012028		6	391535		.011006	.013064	7,18,19	48-64724A 4		.031020		8
384702	.SST@	.013034	.013079	391536		.011016		7,18,19	48-73132A 4		.031015	.033088	8
385319	.012005		6	391668		.011001		7,18,19	48-73132A40	.Black Max™	031015	.033088	8
385940	.SST@	.012008		394752	.Raker@		.013066	7,18,19	48-73134A 4		.031016	.033089	8
385955	.012023		6	394753	.Raker@		.013068	7,18,19	48-73134A40	.Black Max™	031016	.033089	8
386118	.012111		6	394754	.Raker@		.013070	7,18,19	48-73136A 4		.031017	.033090	8
386317	.012054		6	394755	.Raker@		.013072	7,18,19	48-73136A40	.Black Max™	031017	.033090	8
386637	.012055		6	394756	.Raker@		.013074	7,18,19	48-73138A 4		.031018	.033091	8
386669	.012113		6	394757	.Raker@		.013074	7,18,19	48-73138A40	.Black Max™	031018	.033091	8
386786	.012038	.013082	6	394758	.Raker@		.013077	7,18,19	48-73140A 4		.031019	.033092	8
386841	.012039	.013083	6	394759	.Raker@		.013078	7,18,19	48-73140A40	.Black Max™	031019	.033092	8
386907	.012036	.013080	6	394760	.Raker@		.013079	7,18,19	48-73140A40	.Black Max™	031019	.033092	8
386908	.012040	.013084	6	398126		.012112		6	48-73144A 4		.031020		8
386909	.012037	.013081	6	398502	.Raker@ (LH)		.013069	7,18,19	48-73144A40	.Black Max™	031020		8
386933	.012056		6	398503	.Raker@ (LH)		.013071	7,18,19	48-76228A 4	.QSS™		.033090	8
386955	.012005		6	398504	.Raker@ (LH)		.013073	7,18,19	48-76228A 5	.Vengeance		.033090	8
386980	.SST@	.013026	.013083	398505	.Raker@ (LH)		.013075	7,18,19	48-76230A 4	.QSS™	.033028	.033091	8
386981	.SST@	.013010	.013082	431717	.SHOOTER@	.013036		7	48-76230A 5	.Vengeance	.033028	.033091	8
386982	.SST@	.013024	.013081	431718	.SHOOTER@	.013038		7	48-76232A 4	.QSS™		.033092	8
387158	.011016		7,18,19	431719	.SHOOTER@	.013040		7	48-76232A 5	.Vengeance		.033092	8
387159	.011006	.013064	7,18,19	431930	.SST II@ (LH)	.013043	.013067	7,18,19	48-77338A40		.031054		8
387160	.011007	.013066	7,18,19	591389		.012060		6	48-77338A45	.Black Max™	031054		8
387161	.011008	.013068	7,18,19	591920		.012024		6,18	48-77340A40		.031055		8
387162	.011009	.013070	7,18,19	591925		.012076		6	48-77340A45	.Black Max™	031055		8
387163	.011010	.013072	7,18,19	591978		.012060		6	48-77342A40		.031041	.033084	8
387320	.012053		6	592038		.012076		6	48-77342A45	.Black Max™	031041	.033084	8
387334	.012008		6	592063		.012060		6	48-77344A40		.031042	.033085	8
387519	.SST@	.013046	.013068	592959		.012076		6	48-77344A45	.Black Max™	031042	.033085	8
387520	.SST@	.013048	.013070	3850299		.161001	.163012	23	48-77346A40		.031043	.033086	8
387636	.012056		6	3850300		.161002	.163014	23	48-77346A45	.Black Max™	031043	.033086	8
388088	.012013		6	3850301		.161003	.163016	23	48-77348A40		.031044	.033087	8
				3850302		.161004	.163018	23	48-77348A45	.Black Max™	031044	.033087	8
				3850305		.163002	.163012	23	48-77350A40		.031045		8

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		Nearest Match	Rapture Stainless	Catalog Page #(s)			Nearest Match	Rapture Stainless	Catalog Page #(s)			Nearest Match	Rapture Stainless	Catalog Page #(s)
Force, US Marine, Chrysler (Continued)				FP682		.072127			8	58130-ZW1-V11	.033018	.033086	9	
48-77350A45 .Black Max™	031045		8	FP685		.072128			8	58130-ZW1-V31	.033019	.033087	9	
48-79792A 4 .QSS™	.033001	.033089	8	FP685-1		.072128			8	58130-ZW1-W01ZA	.031054		9	
48-79792A 5 .Vengeance	.033001	.033089	8	FP686		.072129			8	58130-ZW1-W11ZA	.031055		9	
48-816702A40	.031056	.033089	8	FP686-1		.071037			8	58130-ZW1-W21ZA	.031041	.033084	9	
48-816704A40	.031057	.033090	8	FP686-2		.072129			8	58130-ZW1-W31ZA	.031042	.033085	9	
48-816706A40	.031058	.033091	8	FP692		.072127			8	58130-ZW1-W41ZA	.031044	.033087	9	
48-819334A40	.072133		8	FP692-1		.072127			8	58130-ZW1-W51ZA	.031045		9	
48-819335A40	.072132		8	FP694		.071038			8	58130-ZW1-W61ZA	.031043	.033086	9	
48-819336A40	.072131		8	FP695		.073009			8	58130-ZW1-W91	.033016	.033084	9	
48-819337A40	.072014		8	FP696		.073010			8	Mercury, Mariner, Mercruiser				
48-819337A45	.072014		8	FP699		.073007			8	48-11070A40 .Laser™	.033078		11,13,20	
48-85632A40 .Black Max™	031053		8	FPM736		.031020			8	48-11074A40 .Laser™	.033080		11,13,20	
48-FP19	.072017		8	FPM738		.031019	.033092		8	48-11320A40	.031050	.033072	11,13,20	
48-FP372	.072033		8	FPM752 .QSS™		.033028	.033091		8	48-11322A40	.031051	.033074	11,13,20	
48-FP488 .Black Max™	.072123		8	FPM754 .QSS™		.033001	.033089		8	48-11324A40	.031052	.033076	11,13,20	
48-FP6430 .Black Max™	.072026		8	FPM756		.031015	.033088		8	48-11324A45 .Black Max™	031052	.033076	11,13,20	
48-FP669-1	.071035		8	FPS501		.072054			8	48-13242A 5	.Mirage®	.033052	21	
48-FP669-2	.071035		8	FPS509		.073008			8	48-13242A 50	.Mirage®	.033052	21	
48-FP669-3	.071035		8	FPS510		.073004			8	48-13243A 5	.Mirage®(LH)	033053	21	
48-FP685-1	.071036		8	FPS511		.073010			8	48-13243A 50	.Mirage®(LH)	033053	21	
48-FP685-2	.071036		8	FPS519		.072055			8	48-13244A 5	.Mirage®	.033054	21	
48-FP685-3	.071036		8	FPS523		.072107			8	48-13244A 50	.Mirage®	.033054	21	
48-FP686-1	.071037		8	FPS524		.072108			8	48-13245A 5	.Mirage®(LH)	033055	21	
48-FP686-3	.071037		8	FPS526		.072109			8	48-13245A 50	.Mirage®(LH)	033055	21	
48-FP686-4	.071037		8	FPS623		.072107			8	48-13246A 5	.Mirage®	.033056	21	
48-FP692-1	.072127		8	FPS625		.072108			8	48-13246A 50	.Mirage®	.033056	21	
48-FP692-2	.072127		8	FPS626		.072109			8	48-13247A 5	.Mirage®(LH)	033057	21	
48-FP692-3	.072127		8	FPS654		.072108			8	48-13247A 50	.Mirage®(LH)	033057	21	
48-FP694	.071038		8	FPS686		.072129			8	48-13248A 5	.Mirage®	.033058	21	
48-FP70 .Black Max™	.072024		8	FS501265		.072054			8	48-13248A 50	.Mirage®	.033058	21	
FA282265	.072132		8	TA2034	.Black Diamond	.031041	.033084		8	48-13700A40	.Mirage®	.033030	11,13,21	
FA287265	.072131		8	TA2036	.Black Diamond	.031042	.033085		8	48-13700A41	.Mirage®	.033030	11,13,21	
FA378265	.072132		8	TA2038	.Black Diamond	.031043	.033086		8	48-13700A45	.Mirage®Plus	033030	11,13,21	
FP273	.072133		8	TA2040	.Black Diamond	.031044	.033087		8	48-13700A55	.Mirage®Plus	033052	21	
FP274	.072014		8	TA2060T	.Black Diamond	.032141			8	48-13701A40	.Mirage®(LH)	033029	11,13,21	
FP276	.072014		8	TA2064T	.Black Diamond	.031015	.033088		8	48-13701A41	.Mirage®(LH)	033029	11,13,21	
FP277	.072131		8	TA2070T	.Black Diamond	.031053			8	48-13701A45	.Mirage®Plus(LH)	033029	11,13,21	
FP278	.072014		8	TA2072T	.Black Diamond	.031053			8	48-13702A40	.Mirage®	.033032	11,13,21	
FP282	.072132		8	TA2076T	.Black Diamond	.031057	.033090		8	48-13702A41	.Mirage®	.033032	11,13,21	
FP286	.072026		8	TA2080T	.Black Diamond	.031058	.033091		8	48-13702A45	.Mirage®Plus	033032	11,13,21	
FP287	.072131		8	TA2084T	.Black Diamond	.031019	.033092		8	48-13702A55	.Mirage®Plus	033054	21	
FP293	.072132		8	TA2102T	.Black Diamond	.031049			8	48-13703A40	.Mirage®(LH)	033031	11,13,21	
FP319	.072121		8	TA2106T	.Black Diamond	.031048			8	48-13703A41	.Mirage®(LH)	033031	11,13,21	
FP324	.152002		8	TS1116	.Silverado	.033016	.033084		8	48-13703A45	.Mirage®Plus(LH)	033031	11,13,21	
FP327	.072121		8	TS1118	.Silverado	.033017	.033085		8	48-13703A55	.Mirage®Plus(LH)	033053	21	
FP328	.072014		8	TS1120	.LightSpeed		.033086		8	48-13704A40	.Mirage®	.033034	11,13,21	
FP330	.072026		8	TS1122	.LightSpeed		.033087		8	48-13704A41	.Mirage®	.033034	11,13,21	
FP366	.072014		8	TS1164T	.Silverado	.033001	.033089		8	48-13704A45	.Mirage®Plus	033034	11,13,21	
FP372	.072033		8	TS1166T	.Silverado		.033090		8	48-13704A55	.Mirage®Plus	033056	21	
FP378	.072132		8	TS1168T	.Silverado	.033028	.033091		8	48-13705A40	.Mirage®(LH)	033033	11,13,21	
FP383	.072034		8	Honda						48-13705A41	.Mirage®(LH)	033033	11,13,21	
FP389	.072032		8	58110-ZV4-300		.102005			9	48-13705A45	.Mirage®Plus(LH)	033033	11,13,21	
FP395 .Black Max™	.072121		8	58110-ZV4-DT15		.112004			9	48-13705A55	.Mirage®Plus(LH)	033055	21	
FP408	.072026		8	58130-881-840ZA		.012109			9	48-13706A40	.Mirage®	.033036	11,13,21	
FP472 .Black Max™	.072122		8	58130-881-840ZB		.012109			9	48-13706A41	.Mirage®	.033036	11,13,21	
FP501	.072054		8	58130-935-000N		.012109			9	48-13706A45	.Mirage®Plus	033036	11,13,21	
FP509	.073008		8	58130-935-600N		.012109			9	48-13707A41	.Mirage®(LH)	033035	11,13,21	
FP510	.073004		8	58130-ZV4-000ZA		.102005			9	48-13707A45	.Mirage®Plus(LH)	033035	11,13,21	
FP511	.073010		8	58130-ZV4-010ZA		.102005			9	48-13707A55	.Mirage®Plus(LH)	033057	21	
FP519	.072055		8	58130-ZV4-020ZA		.102005			9	48-137706A55	.Mirage®Plus	033058	21	
FP523	.072107		8	58130-ZV4-030ZA		.102005			9	48-16312A 4	.QSS™	.033002	.033072	11,13,20
FP524	.072108		8	58130-ZV4-030ZB		.102005			9	48-16312A 5	.QSS™	.033002	.033072	11,13,20
FP526	.072109		8	58130-ZV4-700ZA		.102004			9	48-16312A45	.Vengeance	.033002	.033072	11,13,20
FP539	.073003		8	58130-ZV4-701ZA		.102004			9	48-16314A 4	.QSS™	.033003	.033074	11,13,20
FP540	.073004		8	58130-ZV4-702ZA		.102004			9	48-16314A 5	.QSS™	.033003	.033074	11,13,20
FP623	.072107		8	58130-ZV4-703ZA		.102004			9	48-16314A45	.Vengeance	.033003	.033074	11,13,20
FP654	.072108		8	58130-ZV4-703ZB		.102004			9	48-16315A 4	.QSS™(LH)		.033075	11,13,20
FP664	.073007		8	58130-ZV5-000ZA		.032042	.033095		9	48-16315A 5	.QSS™(LH)		.033075	11,13,20
FP665	.071035		8	58130-ZV5-850ZA		.032043	.033094		9	48-16315A45	.Vengeance(LH)		.033075	11,13,20
FP668	.073008		8	58130-ZV5-860ZA		.032045	.033093		9	48-16316A 4	.QSS™	.033004	.033076	11,13,20
FP669	.071035		8	58130-ZV5-870ZA		.032040	.033097		9	48-16316A 5	.QSS™	.033004	.033076	11,13,20
FP669-1	.071035		8	58130-ZW1-V01		.033017	.033085		9	48-16316A45	.Vengeance	.033004	.033076	11,13,20

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	Nearest Match	Rapture Stainless	Catalog Page #(s)		Nearest Match	Rapture Stainless	Catalog Page #(s)		Nearest Match	Rapture Stainless	Catalog Page #(s)
Mercury, Mariner, Mercruiser (Continued)											
48-16317A 4 .QSS™ (LH)		.033077	11,13,20	48-31454A 3	.032094	.033086	11,12,20	48-42520A12	.032058		10,12
48-16317A 5 .QSS™ (LH)		.033077	11,13,20	48-31454A 4	.031004	.033087	11,12	48-42522A10	.032052		10,12
48-16317A45 .Vengeance(LH)		.033077	11,13,20	48-31456A 3	.032093	.033085	11,12,20	48-42522A11	.032052		10,12
48-16318A 4 .QSS™		.033005	.033078	48-31456A 4	.031003	.033086	11,12	48-42522A12	.032052		10,12
48-16318A 5 .QSS™		.033005	.033078	48-31458A 3	.032092	.033084	11,12,20	48-42738A10 .Black Max™	032141		10,12
48-16318A45 .Vengeance		.033005	.033078	48-31458A 4	.031002	.033085	11,12	48-42740A10 .Black Max™	032142		10,12
48-16319A 4 .QSS™ (LH)		.033079	11,13,20	48-32180A 1		.032087	10,20	48-43584A40	.031049		10,12
48-16319A 5 .QSS™ (LH)		.033079	11,13,20	48-32180A 4		.032087	10,20	48-43586A40	.031048		10,12
48-16319A45 .Vengeance(LH)		.033079	11,13,20	48-32182A 1		.032087	10,20	48-43590A40	.031047		10,12
48-16320A 4 .QSS™		.033006	.033080	48-32182A 4		.032087	10,20	48-47670A 1	.032020		10
48-16320A 5 .QSS™		.033006	.033080	48-32184A 1		.032086	10,20	48-47670A 3	.032020		10
48-16320A45 .Vengeance		.033006	.033080	48-32184A 4		.032086	10,20	48-47670A10	.032020		10
48-16321A 4 .QSS™ (LH)		.033081	11,13,20	48-32186A 1		.032086	10,20	48-47922A 1	.032021		10
48-16321A 5 .QSS™ (LH)		.033081	11,13,20	48-32188A 1		.032085	10,20	48-47922A10	.032021		10
48-16321A45 .Vengeance(LH)		.033081	11,13,20	48-32188A 4		.032085	10,20	48-47926A 1	.032019		10
48-16322A 4 .QSS™		.033082	11,13,20	48-32190A 1		.032085	10,20	48-47926A10	.032019		10
48-16322A45		.033085	11,12	48-32192A 1		.032084	10,20	48-49632A 3	.032093	.033085	11,12,20
48-16436A40		.031063	11,13,20	48-32192A 4		.032084	10,20	48-49632A 4	.032094	.033086	11,12,20
48-16436A45 .Black Max™	031063		11,13,20	48-32264A 3	.032092	.033084	11,12,20	48-49634A 1	.031037	.033076	11,13,20
48-16438A40	.031050	.033072	11,13,20	48-32264A 4	.031002	.033085	11,12	48-49634A 4	.031037	.033076	11,13,20
48-16438A45 .Black Max™	031050	.033072	11,13,20	48-32386A 3	.032094	.033086	11,12,20	48-52008A 3	.031045		11,12
48-16440A40	.031051	.033074	11,13,20	48-32386A 4	.031045		11,12	48-52008A 4	.031045		11,12
48-16440A45 .Black Max™	031051	.033074	11,13,20	48-32388A 3	.032093	.033085	11,12,20	48-52012A 3	.031045		11,12
48-16543A40 .Laser II™(LH)		.033077	11,13,20	48-32388A 4	.031003	.033086	11,12	48-53892A 3	.032094	.033086	11,12,20
48-16543A41 .Laser II™(LH)		.033077	11,13,20	48-32390A 3	.032091		11,20	48-53892A 4	.031004	.033087	11,12
48-16543A45 .Laser III™(LH)		.033077	11,13,20	48-32390A 4	.031001	.033084	11,12	48-53896A 3	.032093	.033085	11,12,20
48-16544A40 .Laser II™		.033076	11,13,20	48-32392A 3		.032090	11,20	48-53896A 4	.031043	.033086	11,12
48-16544A41 .Laser II™		.033076	11,13,20	48-32392A 4		.032091	11,20	48-53900A 3	.032092	.033084	11,12,20
48-16544A45 .Laser II™		.033076	11,13,20	48-32746A 3	.032094	.033086	11,12,20	48-53900A 4	.031002	.033085	11,12
48-16545A40 .Laser II™(LH)		.033079	11,13,20	48-32746A 4	.031004	.033087	11,12	48-54723A 1	.032114		20
48-16545A41 .Laser II™(LH)		.033079	11,13,20	48-32748A 3	.032093	.033085	11,12,20	48-54724A 1	.032113		20
48-16545A45 .Laser II™(LH)		.033079	11,13,20	48-32748A 4	.031003	.033086	11,12	48-54725A 1	.032116		20
48-16546A40 .Laser II™		.033078	11,13,20	48-32750A 3	.032093	.033085	11,12,20	48-54726A 1	.032115		20
48-16546A41 .Laser II™		.033078	11,13,20	48-32750A 4	.031003	.033086	11,12	48-54727A 1	.032118		20
48-16546A45 .Laser II™		.033078	11,13,20	48-33480A 1		.032135	10	48-54727A 4	.032118		20
48-16547A40 .Laser II™(LH)		.033081	11,13,20	48-33482A 1		.032136	10	48-56234A 1	.032099		10
48-16547A41 .Laser II™(LH)		.033081	11,13,20	48-33772A 1		.032084	10,20	48-56234A 4	.032099		10
48-16547A45 .Laser II™(LH)		.033081	11,13,20	48-33772A 4		.032084	10,20	48-56236A 1	.032099		10
48-16548A40 .Laser II™		.033080	11,13,20	48-33774A 1		.032084	10,20	48-56236A 4	.032099		10
48-16548A41 .Laser II™		.033080	11,13,20	48-33774A 4		.032084	10,20	48-56254A 1	.032099		10
48-16548A45 .Laser II™		.033080	11,13,20	48-33936A 3	.032090		10,20	48-56254A 4	.032099		10
48-16549A40 .Laser II™(LH)		.033083	11,13,20	48-33936A 4	.032039		10	48-57262A 1	.032117		20
48-16549A41 .Laser II™(LH)		.033083	11,13,20	48-35936A 1	.031039	.033080	11,13,20	48-57263A 1	.032118		20
48-16549A45 .Laser II™(LH)		.033083	11,13,20	48-36010A 1	.031038	.033078	11,13,20	48-58422A 1	.031036	.033074	11,13,20
48-16550A40 .Laser II™		.033082	11,13,20	48-36010A 4	.031039	.033080	11,13,20	48-58422A 4	.031037	.033076	11,13,20
48-16550A41 .Laser II™		.033082	11,13,20	48-36012A 1	.031037	.033076	11,13,20	48-58422A1	.031036	.033074	11,13,20
48-16550A45 .Laser II™		.033082	11,13,20	48-36012A 4	.031038	.033078	11,13,20	48-58424A 1	.031037	.033076	11,13,20
48-16986A 5 .QSS™		.033016	.033084	48-36012A 5	.031036	.033074	11,13,20	48-58424A 4	.031038	.033078	11,13,20
48-16986A45 .Vengeance		.033016	.033084	48-36014A 1	.031036	.033074	11,13,20	48-58426A 1	.031038	.033078	11,13,20
48-16988A 5 .QSS™		.033017	.033085	48-36014A 4	.031037	.033076	11,13,20	48-58426A 4	.031039	.033080	11,13,20
48-16988A45 .Vengeance		.033017	.033085	48-36014A1	.031036	.033074	11,13,20	48-58826A 3	.032090		11,20
48-16990A40 .Laser II™		.033018	.033086	48-36014A4	.031037	.033076	11,13,20	48-58826A 4	.032091		11,20
48-16990A45 .Laser II™		.033018	.033086	48-36016A 1	.031035	.033072	11,13,20	48-61812A 1	.032045	.033093	10
48-16992A40 .Laser II™		.033019	.033087	48-36016A 4	.031036	.033074	11,13,20	48-61812A 4	.032045	.033093	10
48-16992A45 .Laser II™		.033019	.033087	48-36016A1	.031035	.033072	11,13,20	48-61814A 1	.032044	.033094	10
48-17874A12		.032050	10,12	48-36018A 1		.031034	20	48-61814A 4	.032044	.033094	10
48-19638A40 .Black Max™	031049		10,12	48-36018A 4	.031035	.033072	11,13,20	48-61816A 1	.032043	.033095	10
48-19640A40 .Black Max™	031048		10,12	48-36018A4	.031035	.033072	11,13,20	48-61816A 4	.032043	.033095	10
48-19642A40 .Black Max™	031047		10,12	48-36018A4	.031035	.033072	11,13,20	48-61818A 1	.032042	.033095	10
48-22575A 2		.032077	10	48-36020A 1	.031034		20	48-61818A 4	.032042	.033095	10
48-29658A 4		.031003	.033086	48-36020A 4	.031034		20	48-61820A 1	.032041	.033096	10
48-30388A 1		.032093	.033085	48-36022A 1	.031021		11,13,20	48-61820A 4	.032041	.033096	10
48-30390A 1		.032092	.033084	48-36022A 4	.031021		11,13,20	48-61822A 1	.032040	.033097	10
48-30396A 1		.032089	11,21	48-37902A 4	.032093	.033085	11,12,20	48-61822A 4	.032040	.033097	10
48-30396A 3		.032089	11,21	48-38090A 1		.032087	10,20	48-61824A 1	.032039		10
48-30396A 4		.032089	11,21	48-38094A 1		.032086	10,20	48-62274A 1	.032045	.033093	10
48-31072A 4		.032092	.033084	48-38094A 4		.032087	10,20	48-62274A 4	.032045	.033093	10
48-31080A 1		.032093	.033085	48-38098A 1		.032085	10,20	48-63303A 1	.032114		20
48-31082A 1		.032092	.033084	48-38098A 4		.032086	10,20	48-63304A 1	.032113		20
				48-42518A10		.032060	10,12	48-63305A 1	.032116		20
				48-42518A11		.032060	10,12	48-63306A 1	.032115		20
				48-42520A10		.032058	10,12	48-63456A 1	.032099		10
				48-42520A11		.032058	10,12	48-63456A 4	.032099		10

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48-63494A 1	.032014		10	48-74603A 4	.Mirage®		.033057	21	48-78126A45	.Black Max™	031067	.033082	11,13,20	
48-63494A 10	.032014		10	48-74604A 4	.Mirage®		.033058	21	48-79568A 4		.031035	.033072	11,13,20	
48-63538A 1	.032039		10	48-74872A 4		.031036	.033074	11,13,20	48-79570A 4		.031035	.033072	11,13,20	
48-63540A 1	.032040	.033097	10	48-74874A 4		.031037	.033076	11,13,20	48-79570A4		.031035	.033072	11,13,20	
48-63542A 1	.032041	.033096	10	48-74876A 4		.031038	.033078	11,13,20	48-79572A 4		.031036	.033074	11,13,20	
48-63542A 4	.032041	.033096	10	48-74886A 4		.031037	.033076	11,13,20	48-79572A4		.031036	.033074	11,13,20	
48-63544A 1	.032042	.033095	10	48-74888A 4		.031038	.033078	11,13,20	48-79574A 4		.031037	.033076	11,13,20	
48-63544A 4	.032042	.033095	10	48-75058A 4	.QSS™		.033006	.033080	11,13,20	48-79574A4		.031037	.033076	11,13,20
48-63546A 4	.032043	.033095	10	48-75138A 4		.031034		20	48-79576A 4		.031038	.033078	11,13,20	
48-64724A 1	.031020		10,12	48-75160A 4		.031027	.033080	11,13,20	48-79578A 4		.031039	.033080	11,13,20	
48-64724A 4	.031020		10,12	48-75724A 4	.QSS™		.033006	.033080	11,13,20	48-79792A 4	.QSS™	.033001	.033089	10,12
48-65022A 1	.032092	.033084	11,12,20	48-75724A 5	.QSS™		.033006	.033080	11,13,20	48-79792A 5	.Vengeance	.033001	.033089	10,12
48-65022A 4	.031001	.033084	11,12	48-75760A 4		.031023	.033072	11,13,20	48-79794A 4	.QSS™	.033003	.033074	11,13,20	
48-65024A 1	.032093	.033085	11,12,20	48-76230A 4	.QSS™		.033028	.033091	10,12	48-79794A 5	.QSS™	.033003	.033074	11,13,20
48-65024A 4	.031003	.033086	11,12	48-76230A 5	.Vengeance		.033028	.033091	10,12	48-79830A 4	.QSS™	.033003	.033074	11,13,20
48-65480A 1	.031039	.033080	11,13,20	48-76232A 4	.QSS™			.033092	10,12	48-80955M		.012013		12
48-65588A 1	.032093	.033085	11,12,20	48-76232A 5	.Vengeance			.033092	10,12	48-81645M		.022002		12
48-65588A 4	.032093	.033085	11,12,20	48-77338A 4		.031054		11,12	48-81647M		.022001		12	
48-65736A 1	.031045		11,12	48-77338A40		.031054		11,12	48-81649M		.022002		12	
48-65736A 4	.031045		11,12	48-77338A45	.Black Max™	031054		11,12	48-81670A40	Black Max™	031056	.033089	10,12	
48-65748A 1	.032092	.033084	11,12,20	48-77340A 4		.031055		11,12	48-81670A40	Black Max™	031057	.033090	10,12	
48-65748A 4	.031002	.033085	11,12	48-77340A40		.031055		11,12	48-81670A40	Black Max™	031058	.033091	10,12	
48-65992A 1	.031038	.033078	11,13,20	48-77340A45	.Black Max™	031055		11,12	48-82764		.012008		12	
48-65992A 4	.031038	.033078	11,13,20	48-77342A 4		.031041	.033084	11,12	48-82766		.012101		12	
48-66432A 1	.031036	.033074	11,13,20	48-77342A40		.031041	.033084	11,12	48-82767		.012102		12	
48-66432A 4	.031037	.033076	11,13,20	48-77342A45	.Black Max™	031041		11,12	48-82768		.012011		12	
48-66432A4	.031037	.033076	11,13,20	48-77344A 4		.031042	.033085	11,12	48-82769		.012013		12	
48-66450A 4	.031036	.033074	11,13,20	48-77344A40		.031042	.033085	11,12	48-82770		.012010		12	
48-66450A4	.031036	.033074	11,13,20	48-77344A45	.Black Max™	031042	.033085	11,12	48-828148A12	Black Max™	032060		10,12	
48-66452A 4	.031035	.033072	11,13,20	48-77346A 4		.031043	.033086	11,12	48-828150A12	Black Max™	032058		10,12	
48-66452A4	.031035	.033072	11,13,20	48-77346A40		.031043	.033086	11,12	48-828152A12	Black Max™	032056		10,12	
48-67280A 1	.032094	.033086	11,12,20	48-77346A45	.Black Max™	031043	.033086	11,12	48-828154A12	Black Max™	032054		10,12	
48-67280A 4	.031004	.033087	11,12	48-77348A 4		.031044	.033087	11,12	48-828156A12	Black Max™	032052		10,12	
48-67874A 4	.031039	.033080	11,13,20	48-77348A40		.031044	.033087	11,12	48-828158A12	Black Max™	032050		10,12	
48-68556A 4	.Cleaver™	.033052	21	48-77348A45	.Black Max™	031044		11,12	48-832828A45	Black Max™	031064	.033074	11,13,20	
48-68557A 4	.Cleaver™	.033053	21	48-77350A 4		.031045		11,12	48-832830A45	Black Max™	031065	.033076	11,13,20	
48-68558A 4	.Cleaver™	.033054	21	48-77350A40		.031045		11,12	48-832832A45	Black Max™	031066	.033078	11,13,20	
48-68560A 4	.Mirage®	.033056	21	48-77350A45	.Black Max™	031045		11,12	48-832834A45	Black Max™	031068	.033080	11,13,20	
48-69260A 1		.032115	20	48-77896A 1		.032113		20	48-85632A 4		.031053		10,12	
48-69262A 1		.032117	20	48-77896A10		.032113		20	48-85632A40	.Black Max™	031053		10,12	
48-72764A 4	.QSS™	.033017	.033085	48-77897A 1		.032114		20	48-86848A 4		.031048		10,12	
48-72764A 5	.QSS™	.033017	.033085	48-77897A10		.032114		20	48-86962A 4		.032136		10	
48-73132A 4		.031015	.033088	48-77898A 1		.032115		20	48-88438A 4	.QSS™	.033007	.033074	11,13,20	
48-73132A40	.Black Max™	031015	.033088	48-77898A10		.032115		20	48-88440A 4	.QSS™	.033008	.033076	11,13,20	
48-73134A 4		.031016	.033089	48-77899A 1		.032116		20	48-88442A 4	.QSS™	.033009	.033078	11,13,20	
48-73134A40	.Black Max™	031016	.033089	48-77899A10		.032116		20	48-88444A 4	.QSS™	.033006	.033080	11,13,20	
48-73136A 4		.031017	.033090	48-77900A 1		.032117		20	48-89852A 4		.031049		10,12	
48-73136A40	.Black Max™	031017	.033090	48-77900A10		.032117		20	48-89854A 4		.031047		10,12	
48-73138A 4		.031018	.033091	48-77901A 1		.032118		20	48-93272A 4	.QSS™	.033002	.033072	11,13,20	
48-73138A40	.Black Max™	031018	.033091	48-77901A10		.032118		20	48-93272A 5	.QSS™	.033002	.033072	11,13,20	
48-73140A 4		.031019	.033092	48-78112A 4		.031021		11,13,20	48-96622M		.012010		12	
48-73140A40	.Black Max™	031019	.033092	48-78112A40		.031021		11,13,20	48-96623M		.012013		12	
48-73144A 4		.031020	10,12	48-78112A45	.Black Max™	031021		11,13,20	48-96625M		.012011		12	
48-73144A40	.Black Max™	031020	10,12	48-78114A 4		.031022		11,13,20	48-96628M		.012102		12	
48-73500A 4		.031021	11,13,20	48-78114A40		.031022		11,13,20	TA2008	.Black Diamond	.031023	.033072	11,13,20	
48-73502A 4		.031022	11,13,20	48-78114A45	.Black Max™	031022		11,13,20	TA2010	.Black Diamond	.031051		11,13,20	
48-73504A 4		.031023	.033072	48-78116A 4		.031023	.033072	11,13,20	TA2012	.Black Diamond	.031024	.033074	11,13,20	
48-73506A 4		.031024	.033074	48-78116A40		.031023	.033072	11,13,20	TA2014	.Black Diamond	.031052		11,13,20	
48-73508A 4		.031025	.033076	48-78116A45	.Black Max™	031023	.033072	11,13,20	TA2016	.Black Diamond	.031025	.033076	11,13,20	
48-73510A 4		.031026	.033078	48-78118A 4		.031024	.033074	11,13,20	TA2018	.Black Diamond	.031026	.033078	11,13,20	
48-73512A 4		.031027	.033080	48-78118A40		.031024	.033074	11,13,20	TA2020	.Black Diamond	.031027	.033080	11,13,20	
48-73980A 4	.QSS™	.033004	.033076	48-78118A45	.Black Max™	031024	.033074	11,13,20	TA2034	.Black Diamond	.031041	.033084	11,12	
48-73980A 5	.QSS™	.033004	.033076	48-78120A 4		.031025	.033076	11,13,20	TA2036	.Black Diamond	.031042	.033085	11,12	
48-73982A 4	.QSS™	.033005	.033078	48-78120A40		.031025	.033076	11,13,20	TA2038	.Black Diamond	.031043	.033086	11,12	
48-74266A 4	.QSS™	.033004	.033076	48-78120A45	.Black Max™	031025	.033076	11,13,20	TA2040	.Black Diamond	.031044	.033087	11,12	
48-74268A 4	.QSS™	.033005	.033078	48-78122A 4		.031026	.033078	11,13,20	TA2060T	.Black Diamond	.032141		10,12	
48-74598A 4	.Cleaver™	.033052	21	48-78122A40		.031026	.033078	11,13,20	TA2064T	.Black Diamond	.031015	.033088	10,12	
48-74599A 4	.Cleaver™	.033053	21	48-78122A45	.Black Max™	031026	.033078	11,13,20	TA2066T	.Black Diamond	.032142		10,12	
48-74600A 4	.Cleaver™	.033054	21	48-78124A 4		.031027	.033080	11,13,20	TA2070T	.Black Diamond	.031053		10,12	
48-74601A 4	.Cleaver™	.033055	21	48-78124A40		.031027	.033080	11,13,20	TA2072T	.Black Diamond	.031056	.033089	10,12	
48-74602A 4	.Mirage®	.033056	21	48-78124A45	.Black Max™	031027	.033080	11,13,20	TA2074T	.Black Diamond	.031016	.033089	10,12	
				48-78126A 4		.031067	.033082	11,13,20	TA2076T	.Black Diamond	.031057	.033090	10,12	
				48-78126A40		.031067	.033082	11,13,20	TA2078T	.Black Diamond	.031017	.033090	10,12	

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TA2080T .Black Diamond .031058 .033091 10,12	99105-00201-26P063040	.063040	17	814629-2082033		22	814631-8082026-1		22
TA2082T .Black Diamond .031018 .033091 10,12	99105-00203-23PThunder™063038	.063038	17	814632-4082028-1	. . . . .		22	814633-4082032-1	. . . . .		22
TA2084T .Black Diamond .031019 .033092 10,12	99105-00203-25PThunder™063040	.063040	17	814634-2082034	. . . . .		22	850864-0082013-1	. . . . .		22
TA2102T .Black Diamond .03104910,12	99105-0020L-16P063031	.063031	17	850865-7082014-1	. . . . .		22	850866-5082015-1	. . . . .		22
TA2106T .Black Diamond .03104810,12	99105-0020L-18P063033	.063033	17	850867-3082016-1	. . . . .		22	851035-6082089-1	. . . . .		22
TA2128T .Black Diamond .03205210,12	99105-0020L-20P063035	.063035	17	851037-2082091-1	. . . . .		22	851038-0082090-1	. . . . .		22
TS1006 . .Thunderbolt . .03303011,13,21	99105-0020L-22P063037	.063037	17	851039-8082093-1	. . . . .		22	851040-6082092-1	. . . . .		22
TS1007 . .Thunderbolt . .03302911,13,21	99105-0020L-24P063039	.063039	17	851124-8082011-1	. . . . .		22	851125-5082012-1	. . . . .		22
TS1008 . .Thunderbolt . .03303211,13,21	99105-0020L-26P063041	.063041	17	851138-8082009-1	. . . . .		22	851139-6082010-1	. . . . .		22
TS1009 . .Thunderbolt . .03303111,13,21	99105-00300-24P063038	.063038	17	852085-0083003	. . . . .		22	852086-8083001	. . . . .		22
TS1010 . .Thunderbolt . .03303411,13,21	99105-00300-25P063040	.063040	17	852087-6083005	. . . . .		22	852137-9083006	. . . . .		22
TS1011 . .Thunderbolt . .03303311,13,21	99105-00400-23PThunder™063016	.063016	17	852138-7083004	. . . . .		22	852155-1083002	. . . . .		22
TS1052 . .Silverado033003 .033074 11,13,20	99105-00400-24PThunder™063018	.063018	17	852146-8082032-1	. . . . .		22	854147-6082031-1	. . . . .		22
TS1053 . .Silverado033075 11,13,20	99105-00400-25PThunder™063020	.063020	17	854148-4082030-1	. . . . .		22	854149-2082029-1	. . . . .		22
TS1054 . .Silverado033004 .033076 11,13,20	99105-00500-12P033094	.033094	17	854285-4082001-1	. . . . .		22	854286-2082002-1	. . . . .		22
TS1055 . .Silverado033077 11,13,20	99105-00500-13P033095	.033095	17	854288-8082003-1	. . . . .		22	854289-6082004-1	. . . . .		22
TS1056 . .Silverado033005 .033078 11,13,20	99105-00500-14P033096	.033096	17	854977-6082001-1	. . . . .		22	854978-4082003-1	. . . . .		22
TS1057 . .Silverado033079 11,13,20	99105-00500-15P033097	.033097	17	854979-2082009-1	. . . . .		22	854982-6082011-1	. . . . .		22
TS1070 . .LightSpeed033076 11,13,20				346-64102-5142022	. . . . .	16	854983-4082013-1	. . . . .		22	22
TS1071 . .LightSpeed033077 11,13,20				346-64104-5142024	. . . . .	16	854984-2082015-1	. . . . .		22	22
TS1072 . .LightSpeed033078 11,13,20				346-64106-5142020	. . . . .	16	854986-7082089-1	. . . . .		22	22
TS1073 . .LightSpeed033079 11,13,20				348-64101-0143001	. . . . .	16	854987-5082091-1	. . . . .		22	22
TS1074 . .LightSpeed033080 11,13,20				348-64102-0142003	.143003	16	854988-3082093-1	. . . . .		22	22
TS1075 . .LightSpeed033081 11,13,20				348-64103-0142004	.143004	16	854993-3082004-1	. . . . .		22	22
TS1076 . .LightSpeed033082 11,13,20				348-64104-0143002	. . . . .	16	854997-4082012-1	. . . . .		22	22
TS1077 . .LightSpeed033083 11,13,20				348-64105-0143001	. . . . .	16	854998-2082014-1	. . . . .		22	22
TS1116 . .Silverado033016 .033084 11,12				353-64103-0142005	.013080	16	854999-0082016-1	. . . . .		22	22
TS1118 . .Silverado033017 .033085 11,12				353-64104-0142006	.013081	16	872001-3082090-1	. . . . .		22	22
TS1118 . .Silverado033017 .033085 11,12				353-64105-0142006	.013081	16	872002-1082092-1	. . . . .		22	22
TS1120 . .LightSpeed033086 11,12				353-64106-0013082	. . . . .	16					
TS1122 . .LightSpeed033087 11,12				353-64107-0142007	.013082	16					
TS1164T .Silverado033001 .033089 11,13,20				353-64108-0142008	.013082	16					
TS1166T .Silverado033090 10,12				353-64109-0142009	.013083	16					
TS1168T .Silverado033028 .033091 10,12				361-64109-0143001	. . . . .	16					
Suzuki				Volvo							
58100-93703-01906201517				361-64113-0142001	.143001	16					
58100-93723-01906201617				361-64114-0142002	.143001	16					
58100-93743-01906201717				362-64102-0142017	16					
58100-94313-019032042 .033095 17				362-64105-0142015	16					
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58100-94554063001 .063042 17				3E3-64526-0143002	16					
58100-94561063003 .063044 17				3E3-64528-0143003	16					
58100-94571063045 17				3E3-64531-0143004	16					
58100-94581063002 .063043 17											
58100-95212-019032045 .033093 17											
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58100-95363-019032040 .033097 17											
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99105-00101-20P063003 .063044 17											
99105-00101-22P063045 17											
99105-00200-16P063030 17											
99105-00200-18P063032 17											
99105-00200-20P063034 17											
99105-00200-22P063036 .063036 17											
99105-00200-24P063038 .063038 17											
99105-00200-26P063040 .063040 17											

MICHIGAN WHEEL CORPORATION CROSS REFERENCE

Original Equipment Manufacturer Part # & Trade Mark	Michigan Wheel Corporation			Original Equipment Manufacturer Part # & Trade Mark	Michigan Wheel Corporation			Original Equipment Manufacturer Part # & Trade Mark	Michigan Wheel Corporation		
	Nearest Match	Rapture Stainless	Catalog Page #(s)		Nearest Match	Rapture Stainless	Catalog Page #(s)		Nearest Match	Rapture Stainless	Catalog Page #(s)
Yamaha (Continued)				6E5-45976-10-98	.103050	.103050	14,23	6K1-45970-00-98	(LH)	.103045	14,23
663-45958-00-EL	.032041	.033096	14	6E5-45978-10-00	.103054	.103054	14,23	6K1-45970-01-98	(LH)	.103045	14,23
663-45958-01-36	.032041	.033096	14	6E5-45978-10-98	.103054	.103054	14,23	6K1-45972-00-00	(LH)	.103051	14,23
663-45958-01-EL	.032041	.033096	14	6G1-45943-00-36	.102002		14	6K1-45972-00-98	(LH)	.103051	14,23
663-45970-60-98		.033095	14	6G1-45943-00-EL	.102002		14	6K1-45972-01-98	(LH)	.103051	14,23
663-45972-60-98	.113001	.033094	14	6G1-45947-00-EL	.102001		14	6K1-45974-00-00	(LH)	.103049	14,23
663-45974-60-98		.033096	14	6G5-45930-00-98		.103054	14,23	6K1-45974-00-98	(LH)	.103049	14,23
663-45976-00-98		.033097	14	6G5-45941-00-36	.101025	.103044	14,23	6K1-45974-01-98	(LH)	.103049	14,23
663-45978-00-98		.033097	14	6G5-45941-00-98	.101025	.103044	14,23	6K1-45974-02-98	(LH)	.103049	14,23
664-45941-01-36	.022001		14	6G5-45941-00-EL	.101025	.103044	14,23	6K1-45976-00-98	(LH)	.103053	14,23
664-45941-01-EL	.022001		14	6G5-45943-00-36	.101029	.103050	14,23	6K1-45976-01-98	(LH)	.103053	14,23
664-45945-00-36	.022002		14	6G5-45943-00-EL	.101029	.103050	14,23	6K1-45978-00-00	(LH)	.103047	14,23
664-45945-00-EL	.022002		14	6G5-45943-01-98	.101029	.103050	14,23	6K1-45978-00-98	(LH)	.103047	14,23
664-45954-00-EL	.022003		14	6G5-45945-00-36	.101028	.103048	14,23	6K1-45978-01-98	(LH)	.103047	14,23
66K-45972-B0-00		.103054	14,23	6G5-45945-00-EL	.101028	.103048	14,23	6K1-45978-02-98	(LH)	.103047	14,23
683-45943-00-36	.102005		14	6G5-45945-01-98	.101028	.103048	14,23	MAR-GYT3B-L6-16	(LH)	.103045	14,23
683-45943-00-EL	.102005		14	6G5-45945-01-EL	.101028	.103048	14,23	MAR-GYT3B-L6-20	(LH)	.103049	14,23
683-45945-00-36	.102004		14	6G5-45947-01-98	.101027	.103046	14,23	MAR-GYT3B-L6-22	(LH)	.103051	14,23
683-45945-00-EL	.102004		14	6G5-45947-01-EL	.101027	.103046	14,23	MAR-GYT3B-V4-18		.103057	14
683-45947-00-36	.102003		14	6G5-45949-00-36	.101030	.103052	14,23	MAR-GYT3B-V4-20		.103058	14
683-45947-00-EL	.102003		14	6G5-45949-00-98	.101030	.103052	14,23	MAR-GYT3B-V4-22		.103059	14
688-45930-01-98	.103026	.103057	14	6G5-45949-00-EL	.101030	.103052	14,23	MAR-GYT3B-V6-16		.103044	14,23
688-45930-02-98	.103026	.103057	14	6G5-45952-00-98	.101026	.103044	14,23	MAR-GYT3B-V6-18		.103046	14,23
688-45930-60-98	.103026	.103057	14	6G5-45952-00-EL	.101026	.103044	14,23	MAR-GYT3B-V6-20		.103048	14,23
688-45970-01-98	.103027	.103058	14	6G5-45970-00-98		.103044	14,23	MAR-GYT3B-V6-22		.103050	14,23
688-45970-02-98	.103027	.103058	14	6G5-45970-01-98		.103044	14,23	MAR-GYT3B-V6-24		.103052	14,23
688-45970-03-98	.103027	.103058	14	6G5-45970-02-98		.103044	14,23	MAR-GYT3B-V6-26		.103054	14,23
688-45972-01-98	.103059		14	6G5-45972-00-98	.103022	.103050	14,23	MAR-GYT4B-V6-22		.103030	14
688-45972-02-98	.103059		14	6G5-45972-01-98	.103022	.103050	14,23	MAR-GYT4B-V6-24		.103032	14
688-45978-60-98	.103025	.103056	14	6G5-45972-02-98	.103022	.103050	14,23	MAR-GYT4B-V6-26		.103034	14
6E5-45941-00-36	.101034	.103058	14	6G5-45972-03-98	.103022	.103050	14,23	MAR-VMAX3-04-18	.103057	.103057	14
6E5-45941-00-EL	.101034	.103058	14	6G5-45974-00-98	.103020	.103048	14,23	MAR-VMAX3-04-20	.103058	.103058	14
6E5-45943-00-36	.101035	.103059	14	6G5-45974-01-98	.103020	.103048	14,23	MAR-VMAX3-04-22	.103059	.103059	14
6E5-45943-00-EL101035		.103059	14	6G5-45974-02-98	.103020	.103048	14,23	MAR-VMAX3-06-16	.103044	.103044	14,23
6E5-45945-00-36	.101033	.103057	14	6G5-45974-03-98	.103020	.103048	14,23	MAR-VMAX3-06-18	.103046	.103046	14,23
6E5-45945-00-EL	.101033	.103057	14	6G5-45976-00-98		.103052	14,23	MAR-VMAX3-06-20	.103048	.103048	14,23
6E5-45945-01-EL	.101033	.103057	14	6G5-45976-01-98		.103052	14,23	MAR-VMAX3-06-22	.103050	.103050	14,23
6E5-45947-00-36	.101032	.103056	14	6G5-45976-01-EL		.103052	14,23	MAR-VMAX3-06-24	.103052	.103052	14,23
6E5-45947-00-EL	.101032	.103056	14	6G5-45978-00-98	.103018	.103046	14,23	MAR-VMAX3-06-26	.103054	.103054	14,23
6E5-45949-00-36	.101031		14	6G5-45978-01-98	.103018	.103046	14,23	MAR-VMAX3-06-26	.103054	.103054	14,23
6E5-45949-00-EL	.101031		14	6G5-45978-02-98	.103018	.103046	14,23	MAR-VMAX3-C6-18(LH)	.103047	.103047	14,23
6E5-45954-00-EL	.101036		14	6G5-45978-03-98	.103018	.103046	14,23	MAR-VMAX3-C6-20(LH)	.103049	.103049	14,23
6E5-45970-10-00	.103048	.103048	14,23	6H5-45943-00-EL	.032040	.033097	14	MAR-VMAX3-C6-22(LH)	.103053	.103053	14,23
6E5-45970-10-98	.103048	.103048	14,23	6G5-45945-00-EL	.032042	.033095	14	MAR-VMAX4-06-22		.103030	14
6E5-45972-10-00	.103052	.103052	14,23	6G5-45945-00-98	.032043	.033094	14	MAR-VMAX4-06-24		.103032	14
6E5-45972-10-98	.103052	.103052	14,23	6J9-45970-B0-00		.103054	14,23	MAR-VMAX4-06-26		.103034	14
6E5-45976-10-00	.103050	.103050	14,23	6J9-45972-B0-00		.103052	14,23				
				6J9-45976-10-00		.103050	14,23				

Caution! Please Reference Catalog Page For Possible Special Hardware Instructions

This is Rapture.™

Cupped trailing blade edge extends past the blade tip to better grab and hold water, dramatically enhancing performance and efficiency.

Thickly tapered trailing edge provides durability, and makes the blade easy to repair after heavy impact.

Cushioned rubber hub, mounted in a ribbed cavity, provides maximum bushing grip and protects your shaft, motor and gearbox from damage caused by impact to the prop.

Optimal blade thickness means each blade is carefully engineered thin enough to maximize speed, but thick enough to take punishment.

Flared hub design keeps exhaust from causing speed-robbing ventilation blow-out.

Precision balanced blades significantly reduce vibration.

High performance blade geometry features a high rake and progressive pitch design to provide the optimum combination of dead start acceleration, bow lift, and flat out speed.

Sharply thinned leading edges maximize acceleration and reduce speed-robbing drag.

Buffed mirror finish minimizes speed loss from drag, reduces corrosion, and looks great doing it.

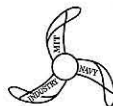
Vent hole plugs** let you fine tune hole shot and acceleration performance to your unique application. **Precision drilled vent holes**** give you maximum hole shot and acceleration from a dead start.

One piece cast construction of premium 15-5 stainless steel alloy provides superior strength under conditions where welded blades typically fail.

** Available on select models

Large blade area easily meets high horsepower demands, maximizing thrust and reducing performance-draining phenomena like ventilation or cavitation.

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