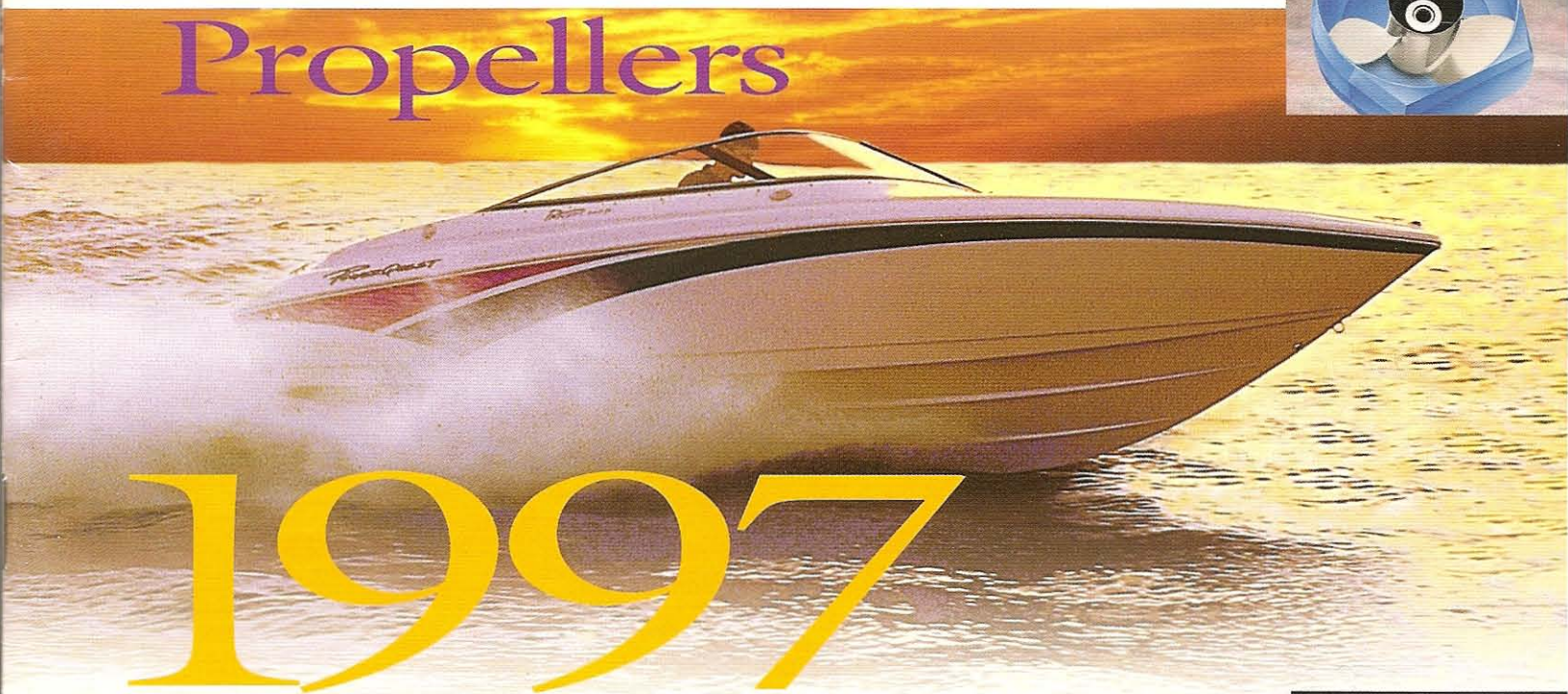


Evinrude®
Johnson®
OMC
Force®
Chrysler
US Marine
Mariner®
Mercury®
Mercruiser®
Honda
Nissan
Tohatsu
Suzuki
SX Cobra™
Volvo Penta®
Yamaha

Michigan
Wheel 
Corporation

Outboard & Sterndrive Propellers

1997



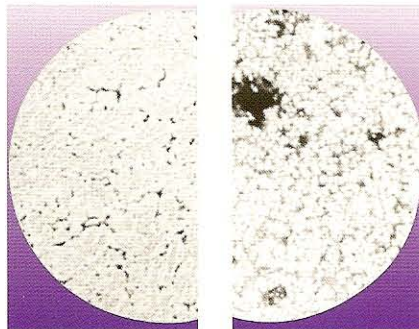
We make Hundreds of props to fit Thousands of boats proven over Millions of miles

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.

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 Michigan Wheel aluminum props are stronger than original equipment props.



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.

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 a Michigan Wheel 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.

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.



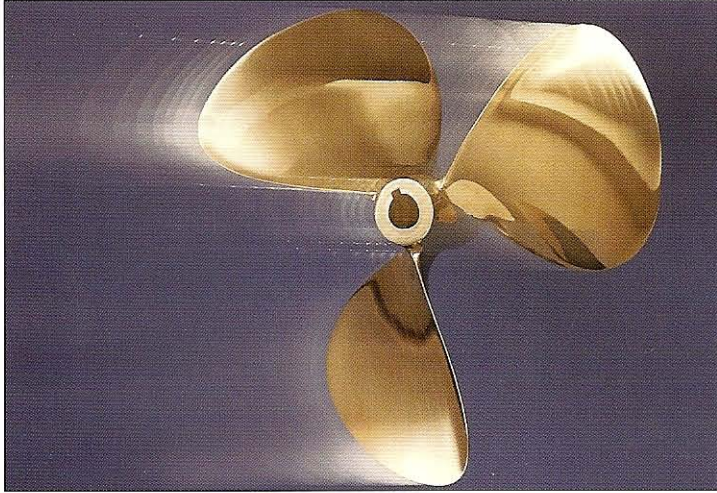
Michigan Wheel's cushioned hub is made of a special bronze alloy for superior strength.

	Tensile Strength	Yield Strength	Elongation
Michigan Wheel Exclusive Alloys	lbs. psi		
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

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
•• Additional sizes are available ••

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

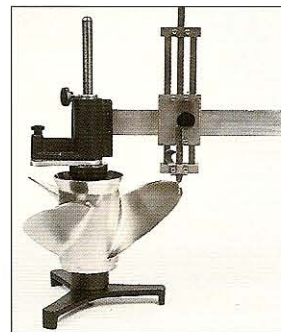
PROPELLER ACCESSORIES AND REPAIR EQUIPMENT



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



Hub Extractor Cupping Block Cup Gauges



Pitchometer



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 gasses 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.

Outboard

Motor	Page	Motor	Page
Chrysler	8	Mercury	10,11
Elgin	13	Nissan	15
Eska	13	SeaRay	10,11
Evinrude	6,7	Sears	13
Force	8	Suzuki	16
Honda	9	Tohatsu	15
Johnson	6,7	U.S.Marine	8
Mariner	12,13	Ward's,Sea-King	13
		Yamaha	14

Stern Drive

Motor	Page	Motor	Page
Eaton	20	OMC Sea Drive	17
Marine Drive Systems	16	OMC Saildrive	16
Mercuriser Stern Drive	18,19	Outboard Marine	16
Mercury Mercuriser	18,19	Volvo-Penta	20
OMC Cobra	17	Volvo-Penta SX Cobra Drive	20
		Yamaha	19

Inboard Ski Propellers - Page 3

Cross Reference Listings 21 - 26

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 21-26, or:
- 2) Determine what kind of motor you have and locate that section in the catalog.
- 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) Use the Michigan Part Number to order your new propeller.

EVINRUDE®, JOHNSON® (CONTINUED) OUTBOARD

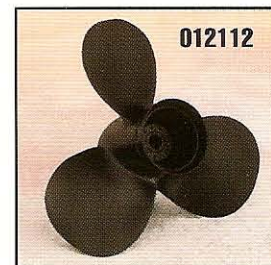
Motor & Model	Year	Boat Size & Suggestion	Michigan Wheel Nearest OEM Match				Michigan Performance Series							
			Description	Aluminum RH P/N	Stainless LH P/N		Description	Aluminum RH P/N	Stainless LH P/N					
			Blds.	Dia. x Pitch										
85 HP	69-80, 91-95	Cruisers, Houseboats	4	14 x 10	012074									
88 HP	81 Thru	Cruisers, Houseboats	3	14 x 11	012077									
90 HP	81 Thru	Cruisers, Houseboats	3	14 x 13	*011001									
100 HP	79-80, 88 Thru	Cruisers, Houseboats	4	14 x 12	012075									
110 HP	86-89	24'-20' Bts.-All Loads, Skis	3	13-3/4 x 15	*011002		013028		3	13-1/4 x 15		013076		
112 HP	94 Thru	22'-19' Bts.-All Loads, Skis	3	13-1/4 x 17	*011003				3	13-1/4 x 17		013077		
115 HP	73 Thru	22'-19' Bts.-All Loads, Skis	3	13-3/8 x 17			013030							
120 HP	86 Thru	22'-19' Bts.-All Loads, Skis	3	14 x 17	*011024									
125 HP	71-72	19'-17' Bts.-All Loads, Skis	3	13 x 19	*011004		013033		3	13-1/4 x 19		013078		
135 HP	73-76	19'-17' Bts.-All Loads, Skis	3	14 x 19	*011025									
140 HP	77-94	18'-15' Bts.-All Loads, Skis	3	12-3/4 x 21	*011005		013034		3	13-1/4 x 21		013079		
		18'-15' Bts.-All Loads, Skis	3	14 x 21	*011026									

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

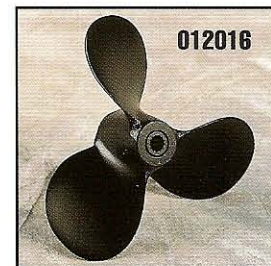
Numeric Part Number Definition

12		3	456	
First 2 Digits		3rd Digit	Last 3 Digits	
01 OMC	10 Yamaha	1 Cup AL	Reserved for Part #	
02 Mariner	11 Honda	2 Uncup AL		
03 Mercury	14 Tohatsu-Nissan	3 Cup SS		
06 Suzuki	15 Misc.	4 Uncup SS		
07 US Marine	16 OMC/Volvo	5 Cup Bronze		
08 Volvo-Penta	30 Skegs, Nuts	6 Uncup Bronze		
	92 Gil Marine	7 Cup Nibral		
		8 Uncup Nibral		

Motor & Model	Year	Boat Size & Suggestion	Michigan Wheel Nearest OEM Match		
			Description Blds. Dia. x Pitch	Aluminum RH P/N LH P/N	Stainless RH P/N
Portable Engines					
3-4 HP Weedless	52-73	Standard Replacement	3 6-1/8 x 4-1/2	012001	
4, 4.5 Deluxe	80-83 86-95	Heavy Bts. Sailboats Standard Replacement	3 8-1/2 x 7 3 8-1/2 x 9	012031 012032	
6, 7.5, 8 HP	80 Thru				
5.5-6 HP	54-65	16'-14' Bts. - Light Loads 14'-12' Bts. - Light Loads	3 7-3/4 x 6-1/2 2 8 x 7-1/4	012067 012060	
5 HP	65-68	14'-12' Bts. - Light Loads	3 8 x 7-1/2	012004	
6 HP	66-79	14'-12' Bts. - Light Loads 16'-14' Bts. - Light Loads	2 8 x 7-1/4 3 7-3/4 x 6-1/2	012005 012068	
9.5 HP	64-73	24'-20' Bts. - Sailboats			
10 HP	58-63	16'-14' Bts. - All Loads, Skis	3 8-1/4 x 8	012008	
10,12,14, HP***	82-94	16'-14' Runabouts	3 8-1/4 x 9	012101	
Commercial & Workhorse		14'-12' Bts. - Light Loads	3 8-1/4 x 8-1/2	012007	
9.9-15 HP	74 Thru	Heavy Bts. - Sailboats	3 10 x 5	012113	
8,9,9,15 HP (4 Stroke)	95 Thru	16'-14' Bts. - All Loads, Skis Standard Replacement Weedless	3 10 x 7 3 9-1/2 x 10	012112 012111	
(Thru Hub Exhaust)					
10 HP	51-57	14'-12' Bts. - All Loads	3 9 x 8	012006	
15 HP	53-56	Cruisers, Houseboats, Sailboats	3 9-1/4 x 7	012102	
18 HP	57-73	18'-16' Bts. - Heavy Loads	3 9 x 8	012014	
20 HP	69-73	Weedless	3 9 x 10	012076	
25 HP	69-77	16'-14' Bts. - Heavy Loads	3 9 x 9	012109	
Pin Drive		14'-12' Bts. - Heavy Loads 14'-12' Bts. - Light Loads 14'-12' Bts. - Light Loads	3 9 x 10 3 9-1/4 x 11 3 9-1/4 x 12	012011 012013 012010	
Compacts					
25 HP	51-55	Cruisers, Houseboats, Sailboats	3 10-1/2 x 10	012027	
28 HP	62-64	19'-17' Bts. - All Loads, Skis	3 10-3/8 x 11-1/2	012023	
30 HP	1956	16'-14' Bts. - All Loads, Skis	3 10-3/8 x 12-1/2	012022	
33 HP	65-70	16'-14' Bts. - All Loads, Skis	3 10-1/2 x 12	012024	
35 HP	57-59	16'-14' Bts. - Light Loads	3 10-3/8 x 13-1/2	012025	
40 HP	60-76	16'-14' Bts. - Light Loads	3 10-1/2 x 13	012028	
40 HP§	78-85	14'-12' Bts. - Light Loads	3 10-3/8 x 14	012026	
Pin Drive					
14 HP	1989	18'-16' Bts. - Heavy Loads	3 9 x 9	012021	
25 HP	78-84	17'-15' Bts. - All Loads, Skis	3 9 x 10	012015	
25 HP§	78-91	17'-14' Bts. - All Loads, Skis	3 9-1/4 x 11	012016	
25 HP§	94 Thru	17'-14' Bts. - Light Loads	3 9-1/4 x 12	012030	
28 HP	86 Thru				
Spline Drive					
20 HP 2 Cyl.	84-95	Cruisers, Houseboats	3 11-1/4 x 7	012053	
25 HP 2 & 3 Cyl.	84 Thru	20'-17' Bts. - All Loads, Skis	3 11 x 9	012054	
25 HP (Commercial)	93-94	18'-16' Bts. - All Loads, Skis	3 10-1/2 x 11	012055	
30 HP 2 Cyl.	84 Thru	17'-15' Bts. - All Loads, Skis	3 10 x 13	012056	
35 HP 2 & 3 Cyl.	76 Thru	15'-13' Bts. - All Loads, Skis	3 10 x 15	012057	
Thru Hub Exhaust					
50 HP V-4 (Pin Dr.)	58-59	16'-14' Bts. - All Loads, Skis	3 12-1/8 x 14	012033	
Mid - Range					
40 HP 2 Cyl.	84 Thru	Cruisers, Houseboats	3 13 x 11	012036	
48 HP	87 Thru	18'-15' Bts. - All Loads, Skis	3 12-1/2 x 13	012037	
50 HP 2 Cyl.	75 Thru	17'-14' Bts. - All Loads, Skis	3 12-1/4 x 15	*011027	013024
55 HP 2 Cyl.	76-79	17'-14' Bts. - All Loads, Skis	3 12-1/4 x 15	012038	013010
60 HP 2 Cyl.	80-85	15'-13' Bts. - Light Loads	3 11-3/4 x 17	*011028	
75 HP 3 Cyl.	75-85	15'-13' Bts. - Light Loads	3 11-3/4 x 17	012039	013026
Sprint	86-90	14'-12' Bts. - Light Loads	3 11-1/2 x 19	*011029	
Formula E	86-90	14'-12' Bts. - Light Loads	3 11-1/2 x 19	012040	
Thru Hub Exhaust & Small Gear Case		14'-12' Bts. - Light Loads	3 11-1/4 x 19		013032
V-4 HP (Pin Drive)		19'-17' Bts. - All Loads, Skis	3 10 x 9-1/4	*012042	
60,65,75,	60-68	19'-17' Bts. - All Loads, Skis	3 10-1/4 x 10	012043	
80,85,90	60-68	17'-16' Bts. - All Loads, Skis	3 10 x 11	012044	
†Small Hub Prop uses special small nut #302001		16'-14' Bts. - All Loads, Skis	3 10 x 12	012045	
100 HP V-4	66-68	24'-20' Bts. - One Engine	3 14 x 11	012089	
Pin Drive		24'-20' Bts. - One Engine	3 14 x 12	012090	



012112
Evinrude/Johnson 9.9-15 HP
Aluminum



012016
Evinrude/Johnson 14 - 28 HP
Aluminum



012055
Evinrude/Johnson 20 -35 HP
Aluminum



013032
Evinrude / Johnson
40-75 HP
Stainless Steel
Equivalent to OMC SSTII®

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



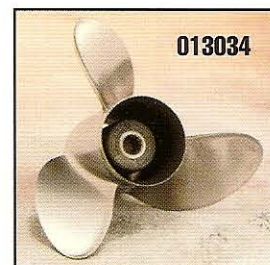
011027
012038
Evinrude/Johnson
40 - 75 HP
Aluminum



011024
011025
011026
Evinrude / Johnson
V-4 Aluminum
Wide Blade

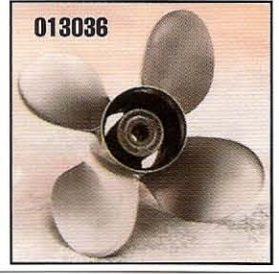


011003
Evinrude/Johnson
V-4 Aluminum
Narrow Blade



013034
Evinrude / Johnson
V-4 Stainless Steel
Equivalent to OMC SSTII®

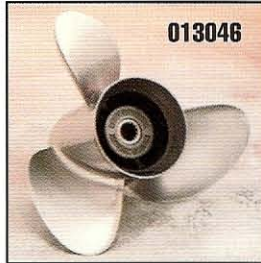
Motor & Model	Year	Boat Size & Suggestion	Michigan Wheel Nearest OEM Match			Michigan Performance Series				
			Description	Aluminum RH P/N	Stainless RH P/N LH P/N		Description	Stainless Steel RH P/N LH P/N		
Blds.	Dia. x Pitch									
Mid Range Outboards										
Commercial		Cruisers, Houseboats	4	14 x 10	012074					
45 HP 2 Cyl.	86 Thru	Cruisers, Houseboats	3	14 x 11	012047					
50 HP 2 Cyl.	77-79	Cruisers, Houseboats	3	14 x 13	*011001					
55 HP 2 Cyl.	80 Thru	22'-19' Bts.-All Loads	4	14 x 12	012075					
65 HP 3 Cyl.	84 Thru	19'-17' Bts.-All Loads, Skis	3	13-3/4 x 15	*011002	013028		3	13-1/4 x 15	013076
Pleasure		18'-15' Bts.-All Loads, Skis	3	13-1/4 x 17	*011003			3	13-1/4 x 17	013077
50 HP 2 Cyl.	71-74	18'-15' Bts.-All Loads, Skis	3	13-3/8 x 17		013030				
55 HP 3 Cyl.	68-69	18'-15' Bts.-All Loads, Skis	3	14 x 17	*011024					
60 HP 3 Cyl.	70-71,86 Thru	16'-14' Bts.-All Loads, Skis	3	13 x 19	*011004	013033		3	13-1/4 x 19	013078
65 HP 3 Cyl.	72-73	16'-14' Bts.-All Loads, Skis	3	14 x 19	*011025					
70 HP 3 Cyl.	74 Thru	13'-15' Bts.-All Loads, Skis	3	12-3/4 x 21	*011005	013034		3	13-1/4 x 21	013079
75 HP 3 Cyl.	75-84	13'-15' Bts.-All Loads, Skis	3	14 x 21	*011026					
Lg. Gearcase (All Thru Hub Exhaust)										
V-4 Outboards (V-4 Gearcase Propellers Only)										
85 HP	69-80, 91-95	Cruisers, Houseboats	4	14 x 10	012074					
88 HP	81 Thru	Cruisers, Houseboats	3	14 x 11	012047					
90 HP	81 Thru	Cruisers, Houseboats	3	14 x 13	*011001					
100 HP	79-80, 88 Thru	Cruisers, Houseboats	4	14 x 12	012075					
110 HP	86-89	24'-20' Bts.-All Loads, Skis	3	13-3/4 x 15	*011002	013028		3	13-1/4 x 15	013076
112 HP	94 Thru	22'-19' Bts.-All Loads, Skis	3	13-1/4 x 17	*011003			3	13-1/4 x 17	013077
115 HP	73 Thru	22'-19' Bts.-All Loads, Skis	3	13-3/8 x 17		013030				
120 HP	86 Thru	22'-19' Bts.-All Loads, Skis	3	14 x 17	*011024					
125 HP	71-72	19'-17' Bts.-All Loads, Skis	3	13 x 19	*011004	013033		3	13-1/4 x 19	013078
135 HP	73-76	19'-17' Bts.-All Loads, Skis	3	14 x 19	*011025					
140 HP	77-94	18'-15' Bts.-All Loads, Skis	3	12-3/4 x 21	*011005	013034		3	13-1/4 x 21	013079
Thru Hub Exhaust		18'-15' Bts.-All Loads, Skis	3	14 x 21	*011026					
V-4 V-6 V-8 Outboards (V-6 Gearcase Propellers Only)										
Commercial		Cruisers, Houseboats	3	15-1/2 x 10	*011015					
100 HP V-4	84 Thru	Cruisers, Houseboats	3	15-1/2 x 13	011016					
150 HP V-6	93 Thru	Cruisers, Houseboats	3	15-1/2 x 15	011006					
155 HP V-6	78 Thru	Cruisers, Houseboats	3	15 x 15		013052	013051	3	14-1/4 x 15	013064 013065
Pleasure		26'-20' Bts.-All Loads, Skis	3	15 x 17	011007	013044	013043	3	14-1/4 x 17	013066 013067
90 HP V-4	95 Thru	22'-18' Bts.-All Loads, Skis	3	14-1/2 x 19	011008	013046	013045	3	14-1/4 x 19	013068 013069
115 HP V-4	95 Thru	19'-17' Bts.-All Loads, Skis	3	14-1/4 x 21	011009	013048	013047	3	14-1/4 x 21	013070 013071
130 HP V-4	95 Thru	18'-15' Bts.-All Loads, Skis	3	14-1/4 x 23	011010	013050	013049	3	14-1/4 x 23	013072 013073
120-140 HP V-4	1985	Up to 17'						3	14-1/4 x 25	013074 013075
140 (25") V-4	89 Thru									
150 HP V-6	78 Thru									
175 HP V-6	77 Thru									
185 HP V-6	84-85									
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	91-95									
275 HP V-8	86-88									
300 HP V-8	86-95									
3.6 L V-8	86-87									
V-6 Gear Case Thru Hub Exhaust										
			High Performance 4 Blade Hole Shot Propellers							
			4	13-3/4 x 22		**013036				
			4	13-3/4 x 24		**013038				
			4	13-3/4 x 26		**013040				



* 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
see page 19



Evinrude / Johnson
V-6 & V-8
Max-Performance
Stainless Steel
see page 19

FORCE®, CHRYSLER, U.S. MARINE

OUTBOARD

Motor & Model	Year	Boat Size Suggestion	Michigan Wheel Nearest OEM Match			Michigan Performance Series	
			Description Blds. Dia. x Pitch	Aluminum RH P/N LH P/N	Stainless RH P/N	Description Blds. Dia. x Pitch	Stainless Steel RH P/N
3.5-3.6 HP	69-76	Standard Replacement	2 7-1/2 x 4-1/2	072017			
3.5 HP	80-84	Standard Replacement	3 7-1/4 x 5-1/2	072123			
4, 4.4, 6, 6.6, 7, 7.5, & 8 Splined Shaft 5 HP	68-88 87 Thru						
5 HP	75-77	Standard Replacement	2 7-1/2 x 5-1/2	152014			
6-10 HP Sailor Sailor 180-250	76-78 79-84	Sailboats	3 10-3/8 x 10	072014			
9.9 HP	68 Thru	14'-12' Bts. - Light Loads	2 8-1/4 x 8-1/4	072024			
10 HP	74-78	Standard Replacement	3 8-1/8 x 8-1/4	072026			
12 HP	78-79	14'-12' Bts. - Light Loads	3 8 x 9	072122			
12.9 HP	68-75	16'-14' Bts. - Light Loads	3 8-1/4 x 6	072121			
15 HP	80 Thru						
Splined Shaft 25 HP 3 Cyl.	95 Thru	19'-15' Boats 17'-13' Boats Up to 14'	3 10-3/8 x 11 3 10-3/8 x 13 3 10-1/4 x 14-1/2	031049 031048 031047			
20-25 (Splined)	68-78	Standard Replacement	3 8-1/2 x 8-1/2	152002			
20-25 HP	79-81	Cruisers, House/Sail Boats	3 10-3/8 x 10	072014			
30 HP	66-82	19'-17' Bts. - All Loads, Skis	3 10-3/8 x 11-1/2	072131			
35 HP	66-91	17'-16' Bts. - All Loads, Skis	3 10-3/8 x 12-1/2	072132			
40 HP	92-94	16'-14' Bts. - All Loads, Skis	3 10-3/8 x 13-1/2	072133			
45 HP	66-84	16'-14' Bts. - Light Loads	3 10-3/8 x 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 x 8	032141			
70 HP	91-95	19'-17' Bts. - All Loads, Skis	3 11-1/4 x 10	031015			
75 HP	96 Thru	18'-16' Bts. - All Loads, Skis	3 12 x 10-1/2	032142			
		18'-16' Bts. - All Loads, Skis	3 10-7/8 x 11	031053			
		17'-15' Bts. - All Loads, Skis	3 10-3/4 x 12	031056			
		17'-15' Bts. - All Loads, Skis	3 10-5/8 x 12	031016			
		17'-14' Bts. - All Loads, Skis	3 10-1/2 x 13	031057		033001	
		17'-14' Bts. - All Loads, Skis	3 10-3/8 x 13	031017			
		16'-14' Bts. - Light Loads	3 10-3/8 x 14	031058			
		16'-14' Bts. - Light Loads	3 10-1/4 x 14	031018		033028	
		15'-13' Bts. - Light Loads	3 10-1/8 x 15	031019			
		Up to 15' Bts. - Light Loads	3 10 x 17	031020			
80 HP**	61-65	17'-16' Bts. - All Loads, Skis	3 12-1/8 x 14	012033			
70-135 HP **	70-79	17'-16' Bts. - All Loads, Skis	3 13-1/8 x 15	072032			
		16'-14' Bts. - All Loads, Skis	3 13-1/8 x 17	072033			
		Light Runabouts-Light Loads	3 13-1/8 x 19	072034			
70-140 HP*	77-89	19'-17' Bts. - All Loads, Skis	3 14 x 13	072054			
		17'-16' Bts. - All Loads, Skis	3 13-1/8 x 15	072055			
		17'-16' Bts. - All Loads, Skis	3 13-3/4 x 15			073002	
		16'-14' Bts. - All Loads, Skis	3 13-1/4 x 17	072107		073003	
		16'-14' Bts. - Light Loads	3 13 x 19	072108		073004	
		Hi-Performance Racing	3 13 x 21	072109			
Single Exhaust Units Only		22'-17' Bts. All Loads, Skis	3 13-1/2 x 15	071035***			
85, 125 HP	88-89	22'-17' Bts. All Loads, Skis	3 13-1/2 x 15	072127			
90, 120 HP	90-94	22'-17' Bts. All Loads, Skis	3 13-3/4 x 15			073007	
150 HP	89-94	20'-16' Bts. - All Loads, Skis	3 13-1/2 x 17	071036***			
90 HP L-Drive	89-91	20'-16' Bts. - All Loads, Skis	3 13-1/2 x 17	072128			
120 HP L-Drive	89-91	20'-16' Bts. - All Loads, Skis	3 13-1/4 x 17			073008	
150 HP L-Drive	1991	18'-16' Bts. - All Loads, Skis	3 13 x 19	071037***		073009	
		18'-16' Bts. - All Loads, Skis	3 13 x 19	072129			
*** Cupped Propeller		To 16' Bts. - All Loads, Skis	3 12-5/8 x 21	071038***			
		To 16' Bts. - All Loads, Skis	3 13 x 21			073010	
90, 120 HP+	90-94	25' + Bts. - All Loads	3 14 x 11	031054			
90, 120 HP ++	95 Thru	22' + Bts. - All Loads	3 14 x 13	031055			
150 HP +	89-94	24'-19' Bts. - All Loads	3 13-3/4 x 15	031041		033016	
90 HP L-Drive+	90-91	20'-17' Bts. - All Loads, Skis	3 13-1/4 x 17	031042		033017	
120 HP L-Drive+	90-91	19'-16' Bts. - All Loads, Skis	3 13 x 19	031043		★033018	
150 HP L-Drive+	1991	18'-15' Bts. - All Loads, Skis	3 12-3/4 x 21	031044			
		18'-15' Bts. - All Loads, Skis	3 13 x 21			★033019	
		Up to 17' Bts. - Light Loads	3 12-1/2 x 23	031045			



072026
Force/Chrysler
U.S. Marine
Aluminum
9.9-15 HP



031049
Force/Chrysler
U.S. Marine
Aluminum
25 HP



031018
Force/Chrysler
U.S. Marine
Aluminum
40-75 HP

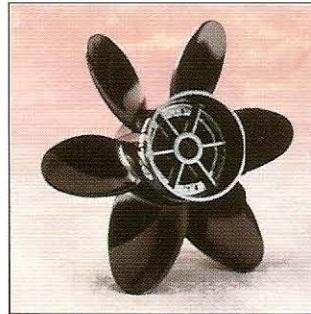


3	13-1/4	x 15	033084
3	13-1/4	x 17	033085
3	13-1/4	x 19	033086
3	13-1/4	x 21	033087

* One piece lower unit **Two piece lower unit.
 *** 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

GIL - 6 GUN COMPOSITE

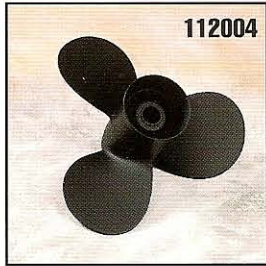
Motor & Model	Description		Propeller Part Number	Replacement Blades	
	Blds.	Dia. x Pitch		Single Blade	Set of Six
Cobra SX™	6	14 x 15	924150	922151-1	922151-6
Volvo Penta SX	6	14-1/2 x 17	924170	922171-1	922171-6
OMC Cobra®	6	14 x 19	924190	922191-1	922191-6
(94 Thru)	6	13-3/4 x 21	924210	922211-1	922211-6
*Evinrude, Johnson	6	14 x 15	923150	922151-1	922151-6
OMC Cobra® (85-93)	6	14-1/2 x 17	923170	922171-1	922171-6
	6	14 x 19	923190	922191-1	922191-6
*Fits V-6 outboard motors	6	13-3/4 x 21	923210	922211-1	922211-6
*Mercury, Mariner, Mercruiser	6	14 x 15	922150	922151-1	922151-6
	6	14-1/2 x 17	922170	922171-1	922171-6
	6	14 x 19	922190	922191-1	922191-6
*Fits V-6 outboard motors	6	13-3/4 x 21	922210	922211-1	922211-6



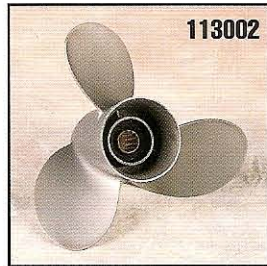
6 Gun Composite Propeller

Designed for the boater looking for performance improvements the **SIX GUN'S** exclusive 6 blade design provides for both more **low end power** and **quicker acceleration**. Other features and benefits are:

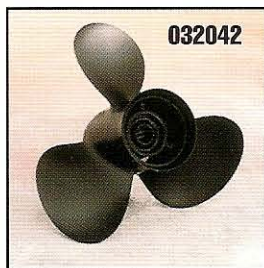
- Reduced Vibration due to the 6 blade design.
- Accommodates quiet thru hub exhaust.
- All the blades are individually replaceable if damaged saving on repair costs due to damage.
- No special tools are required for blade changes.
- Tough anodized aluminum hub for long life.



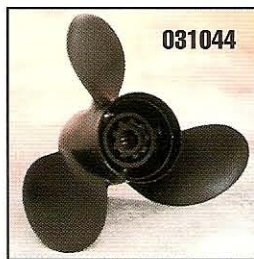
Honda 9.9-15 HP
Aluminum



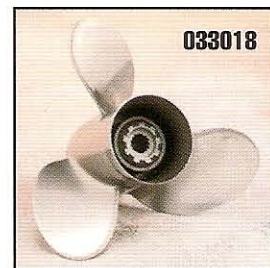
Honda 35 - 50 HP
Stainless Steel



Honda 35-50 HP
Aluminum



Honda 75-90 HP
Aluminum

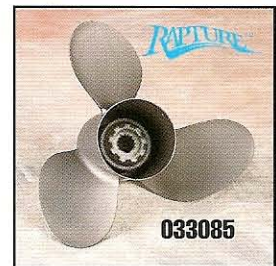


Honda 75-90 HP
Stainless Steel

HONDA

OUTBOARD

Motor & Model	Year	Boat Size & Suggestion	Michigan Wheel Nearest OEM Match			RAPTURE Performance Series	
			Description Blds. Dia. x Pitch	Aluminum RH P/N	Stainless RH P/N	Description Blds. Dia. x Pitch	Stainless Steel RH P/N
Portable Engines							
BF 7.5	78-87	Sailboats	3 9-1/4 x 7	012102			
BF 100		16'-14' Bts.	3 9 x 8	012014			
BF 8	87 Thru	16'-14' Bts. - Weedless	3 9 x 8	012006			
		16'-14' Bts. - Light Loads	3 9 x 9	012109			
		14'-12' Bts.	3 9 x 10	012011			
		14'-12' Bts. - Weedless	3 9 x 10	012076			
BF 9.9	88 Thru	Heavy Loads, House Bts.	3 9-3/4 x 6-1/2	112004			
BF 15		13'-17' Bts. - All Loads	3 9-1/4 x 8	102003			
		12'-15' Bts. - All Loads	3 9-1/4 x 9	102004			
		12'-15' Bts. - Light Loads	3 9-1/4 x 10-1/2	102005			
Compacts							
BF 35	91-94	21'-19' Bts. - All Loads, Skis	3 12-1/4 x 10	032045			
BF 40	95 Thru	19'-17' Bts. - All Loads, Skis	3 12 x 11	032044			
BF 45	91-94	17'-16' Bts. - All Loads, Skis	3 11-3/4 x 12	032043			
BF 50A	95 Thru	17'-15' Bts. - All Loads, Skis	3 11-1/2 x 13	032042			
		16'-14' Bts. - All Loads, Skis	3 11-1/4 x 14	032041			
		15'-13' Bts. - All Loads, Skis	3 11 x 15	032040			
		14'-12' Bts. - All Loads, Skis	3 10-3/4 x 16	032039			
		17'-14' Bts. - All Loads, Skis	3 10-5/8 x 12		113001		
		16'-14' Bts. - All Loads, Skis	3 10-1/4 x 14		113002		
Mid - Range							
75 HP	95 Thru	25' + Bts. - All Loads	3 14 x 11	031054			
90 HP	95 Thru	22' + Bts. - All Loads	3 14 x 13	031055			
		24'-20' Bts. - All Loads, Skis	3 13-3/4 x 15	031041	033016	3 13-1/4 x 15	033084
		19'-17' Bts. - All Loads, Skis	3 13-1/4 x 17	031042	033017	3 13-1/4 x 17	033085
		18'-16' Bts. - All Loads, Skis	3 13 x 19	031043	033018	3 13-1/4 x 19	033086
		18'-15' Bts. - All Loads, Skis	3 12-3/4 x 21	031044			
		18'-15' Bts. - All Loads, Skis	3 13 x 21		033019	3 13-1/4 x 21	033087
		16'-14' Bts. - All Loads, Skis	3 12 1/2 x 23	031045			



Honda 75-90 HP
Max-Performance
Stainless Steel
see page 19

MERCURY™, SEA RAY

Motor & Model	Year	Boat Size & Suggestion	Michigan Wheel Nearest OEM Match			Michigan Performance Series		
			Description Blds. Dia. x Pitch	Aluminum RH P/N	Stainless RH P/N	Description Blds. Dia. x Pitch	Stainless Steel RH P/N	
Portable Engines								
40	73-75	Standard Replacement	2	8-1/4	x6	032014		
45	73-81							
Merc 7.5,9.8	68-85	Standard Replacement	2	9	x9	032021		
110	68-79	Light Runabouts - Light Loads	2	9	x10	032019		
8 Spline		16'-14' Bts. - All Loads, Skis	3	9	x7	032020		
Merc 20	63-81	16'-14' Bts. - All Loads, Skis	3	10	x9	032136		
		Standard Replacement	2	9-7/8	x11	032135		
6.8,9.9 HP	86 Thru	Houseboat, Workboat	3	9-3/4	x5-1/2	032137		
9.9 Four Stroke	95 Thru	14'-20' Bts. - All Loads	3	9-1/4	x7	032138		
10 HP Sea Pro	95 Thru	Standard Replacement	3	9	x9	032139		
15 HP	89 Thru	14'-16' Bts. - All Loads	3	9	x10-1/2	032140		
15 HP Sea Pro	89 Thru							
*** See Footnote								
18 HP	80-85	19'-15' Bts.	3	10-3/8	x11	031049		
20 HP	86 Thru	17'-13' Bts.	3	10-3/8	x13	031048		
25 HP		Up to 14' Bts.	3	10-1/4	x14-1/2	031047		
25 HP Sea Pro	80 Thru	Thru Hub Exhaust						
Compacts								
Mark 35A,50,55	56-61	17'-16' Bts. - All Loads, Skis	3	10	x10	032077		
Mark 58, 58A								
300, 350, 400, 500								
All 11 Spline								
300, 350, 400	62-69	19'-17' Bts. - All Loads, Skis	3	10-1/4	x10	032084		
450, 500		17'-16' Bts. - All Loads, Skis	3	10-1/4	x11	032085		
Thru Prop Exhaust		16'-14' Bts. - All Loads, Skis	3	10-1/4	x12	032086		
		16'-14' Bts. - Light Loads	3	10-1/4	x13	032087		
400, 402, 500	70-73	16'-14' Bts. - All Loads, Skis	3	10-1/4	x13	032099		
Prop Exhaust - 13 Spline								
Mid-Range								
402-500	74-76	22'-19 Bts. - All Loads	3	12-1/4	x10	032045		
60 HP (Mariner)	1976	19'-17' Bts. - All Loads, Skis	3	12	x11	032044		
650	72-76	17'-16' Bts. - All Loads, Skis	3	10-5/8	x12		113001	
		18'-15' Bts. - All Loads, Skis	3	11-3/4	x12	032043		
		16'-14' Bts. - Light Loads	3	11-1/2	x13	032042		
		15'-13' Bts. - Light Loads	3	10-1/4	x14		113002	
		14'-12' Bts. - Light Loads	3	11-1/4	x14	032041		
			3	11	x15	032040		
			3	10-3/4	x16	032039		
402-500-700 HP	77-84	19' and Up	3	12-1/2	x8	032141		
30 HP (& Sea Pro)	94 Thru	19'-17' Bts. - All Loads, Skis	3	11-1/4	x10	031015		
35 HP (2 Cyl.)	84-89	18'-16' Bts. - All Loads, Skis	3	12	x10-1/2	032142		
40 HP (2 Cyl.)	77-83	18'-16' Bts. - All Loads, Skis	3	10-7/8	x11	031053		
40 HP (4 Cyl.)	90 Thru	17'-15' Bts. - All Loads, Skis	3	10-3/4	x12	031056		
40 HP Sea Pro	95 Thru	17'-15' Bts. - All Loads, Skis	3	10-5/8	x12	031016	033001	
45 HP (4 Cyl.)	86-89	17'-14' Bts. - All Loads, Skis	3	10-1/2	x13	031057		
50 HP (3&4 Cyl.)	77-85	17'-14' Bts. - All Loads, Skis	3	10-3/8	x13	031017		
50 HP 4-Stroke	95 Thru	16'-14' Bts. - Light Loads	3	10-3/8	x14	031058		
55 HP Sea Pro	95 Thru	16'-14' Bts. - Light Loads	3	10-1/4	x14	031018	033028	
60 HP	84 Thru	15'-13' Bts. - Light Loads	3	10-1/8	x15	031019		
(1.64 or 1.83:1 Gear)		Up to 15' Bts. - Light Loads	3	10	x17	031020		
70 HP (3 Cyl.)	Thru 83							
3 Cyl., 4 & 6 In Line Cyl.								
650 4 Cyl. (2:1)	61-70	24'-20 Bts.	3	13	x11	**032089		
800-850 6 Cyl.	Thru 72	22'-19' Bts.	3	13	x12	**032090		
900-1150	Thru 77	19'-17' Bts. - All Loads, Skis	3	13	x15	**032091		
650 2 Cyl.	Thru 71	19'-17' Bts. - All Loads, Skis	3	13	x15	**031001		
800-850 4 Cyl.	72-77	19'-17' Bts. - All Loads, Skis	3	13-3/4	x15		033016	
80 HP (Yamaha)	1977	17'-16' Bts. - All Loads, Skis	3	13	x17	**032092		
80 HP (Mariner)	1977	17'-16' Bts. - All Loads, Skis	3	13	x17	**031002		
1000-1100	Thru 77	17'-16' Bts. - All Loads, Skis	3	13-1/4	x17		033017	
1150-1250	Thru 77	18'-15' Bts. - All Loads, Skis	3	13	x19	**032093		
1350	Thru 77	18'-15' Bts. - All Loads, Skis	3	13	x19	**031003		
1400-1500	Thru 77	16'-14' Bts. - All Loads, Skis	3	13	x21	**032094		
		16'-14' Bts. - All Loads, Skis	3	13	x21	**031004		
60 HP Big Foot/Sea Pro	95 Thru	25' + Bts. - All Loads	3	14	x11	*031054		
70 HP 3 Cyl.	87-89	22' + Bts. - All Loads	3	14	x13	*031055		
75 HP 3 Cyl.	90 Thru	24'-19' Bts. - All Loads	3	13-3/4	x15	031041	033016	
75 HP Sea Pro	84-86	20'-17' Bts. - All Loads, Skis	3	13-1/4	x17	031042	033017	
80 HP 4 Cyl.	78-83	19'-16' Bts. - All Loads, Skis	3	13	x19	*031043	*033018	
80 HP 3 Cyl.	87-89	18'-15' Bts. - All Loads, Skis	3	12-3/4	x21	*031044		
90 HP 6 Cyl.	78-86	18'-15' Bts. - All Loads, Skis	3	13	x21		*033019	
90 HP 3 Cyl.	87 Thru	Light Runabouts, Light Loads	3	12-1/2	x23	*031045		
100 HP 4 Cyl.	88 Thru							
115 HP 6 Cyl.	78-89							
115 HP 4 Cyl.	88 Thru							
125 HP 4 Cyl.	94 Thru							
140 HP	78-81							



Mercury 6 - 15 HP
Aluminum



Mercury 18 - 25 HP
Aluminum



Mercury 60 - 140 HP
Max-Performance
Stainless Steel
see page 19






3	13-1/4	x15	033084
3	13-1/4	x17	033085
3	13-1/4	x19	033086
3	13-1/4	x21	033087
3	13-1/4	x15	033084
3	13-1/4	x17	033085
3	13-1/4	x19	033086
3	13-1/4	x21	033087



► To Avoid Damage or Injury, Replace Standard Trim Tab with Trim Tab #46399A1. Thrust Washer 13191A1 MUST be used.

* Use Thrust Washer 13191A1 ** Use Thrust Washer 65091 *** Use Thrust Washer 42037 for Full Length Spline Shaft. Use Thrust Washer 821932 for Half Length Spline Shaft.

Motor & Model	Year	Boat Size & Suggestion	Michigan Wheel Nearest OEM Match			Michigan Performance Series					
			Description	Aluminum	Stainless	Description	Stainless Steel				
			Blds.	Dia. x	Pitch	RH P/N	RH P/N LH P/N	Blds.	Dia. x Pitch	RH P/N	LH P/N
V-6 Outboards 4-1/4" Gear Case											
150 XR-4	Thru 91	53-62 MPH	4	13-1/4	x 22		033068				
150 XR-6	92-94	55-63 MPH	4	13-1/4	x 23		033069				
		59-67 MPH	4	13-1/4	x 24		033070				
		64-73 MPH	4	13-1/4	x 25		033071				
V-6 Outboards★ 4-3/4" Gear Case											
135 HP	87 Thru	Cruisers, Houseboats	3	16	x 11	031021					
150 HP*	78 Thru	Cruisers, Houseboats	3	16	x 13	031022					
175 HP*	78 Thru	22'-25' Bts. - All Loads	3	16	x 14	031050					
200 HP*	78 Thru	21'-24' Bts. - All Loads	3	15-1/4	x 15	031023					
220 HP*	87-88	21'-24' Bts. - All Loads	3	14-1/2	x 15		033002		3	14-1/4	x 15
225 HP*	80-82,94 Thru	20'-23' Bts. - All Loads, Skis	3	16	x 16	031051					
250 HP*	94 Thru	19'-23' Bts. - All Loads, Skis	3	14-1/2	x 17	031024	033003		3	14-1/4	x 17
275 HP*	90-94	18'-22' Bts. - All Loads, Skis	3	15-1/2	x 18	031052					
300 HP	1983	18'-21' Bts. - All Loads, Skis	3	14	x 19	031025	033004		3	14-1/4	x 19
3.4 Litre	84-86	18'-20' Bts. - All Loads, Skis	3	13-3/4	x 21	031026	033005		3	14-1/4	x 21
		17'-20' Bts. - All Loads, Skis	3	13-1/2	x 23	031027	033006		3	14-1/4	x 23
		Up to 18' Boats							3	14-1/4	x 25
* Includes EFI, Offshore, XRI & Sea Pro Use Thrust Washer 13171											
4 Blade Hole Shot Performance Propellers											
		50-62 MPH	4	13-3/4	x 22		*033038				
		55-67 MPH	4	13-3/4	x 24		*033040				
		60-72 MPH	4	13-3/4	x 26		*033042				
		18'-21' Bts. - All Loads, Skis	3	15-1/4	x 19		033030	033029			
		18'-20' Bts. - All Loads, Skis	3	14-3/4	x 21		033032	033031			
		17'-20' Bts. - All Loads, Skis	3	14-5/8	x 23		033034	033033			
		16'-19' Bts. - All Loads, Skis	3	14-1/2	x 25		033036	033035			
 Performance Propellers For Offshore or Heavy Boats											
 033040 											

▶ To Avoid Damage or Injury, Trim Tab 46399A1 MUST replace standard trim tab. Please Note: Add 4" pitch for twin applications.

★ When Replacing the Flo-Torq II™ plastic hub props, lock washer #13-42531-1 & rear washer #12-31211A2 are required in addition to existing hardware



Mercury 30 - 70 HP
Aluminum



Mercury 30 - 70 HP
Wide Blade Aluminum



Mercury 30 - 70 HP
Stainless Steel



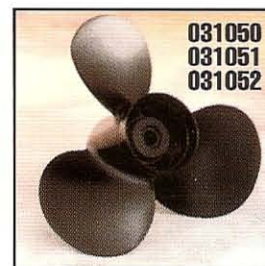
Mercury XR4-XR6
Four Blade



Mercury 60 - 140 HP
Aluminum



Mercury 60 - 140 HP
Stainless Steel



Mercury 135-300 HP
Wide Blade Aluminum



Mercury 135-300 HP
Aluminum





Mercury 135-300 HP
Stainless Steel Equivalent to QSS



Mercury 135-300 HP
Max-Performance Stainless Steel
see page 19



Mercury V - 6
Stainless Steel Equivalent to Mirage™

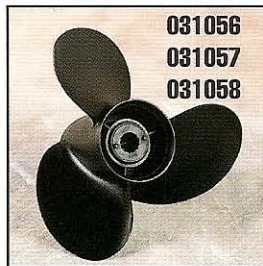
Motor & Model	Year	Boat Size & Suggestion	Michigan Wheel Nearest OEM Match			RAPTURE Performance Series		
			Description Blds. Dia. x Pitch	Aluminum RH P/N	Stainless RH P/N	Description Blds. Dia. x Pitch	Stainless Steel RH P/N	
Portable Engines								
8 HP	76-84	16'-14' Bts. - All Loads, Skis 16'-14' Bts. - Light Loads	3 8-1/4 x 8 3 8-1/4 x 9	012008 012101			 <p>032139</p> <p>Mariner 6 - 15 HP Aluminum</p>	
6 HP	94 Thru	Houseboat, Workboat	3 9-3/4 x 5-1/2	032137				
8,9.9 HP	86 Thru	14'-20' Bts. - All Loads	3 9-1/4 x 7	032138				
9.9 Four Stroke	95 Thru	Standard Replacement	3 9 x 9	032139				
10 HP Marathon	95 Thru	14'-16' Bts. - All Loads	3 9 x 10-1/2	032140				
15 HP	89 Thru							
15 HP Marathon	95 Thru							
** See Footnote								
15 HP	76-81	Houseboats, Sailboats	3 9-1/4 x 7	012102				
15A	79-82	14'-12' Bts. - Heavy Loads	3 9 x 10	012011				
W15	77-85	14'-12' All Loads, Skis	3 9-1/4 x 11	012013				
20 HP	76-79	14'-12' Bts. - Light Loads	3 9-1/4 x 12	012010				
25 HP	77-79							
Compacts								
20-25 HP	85 Thru	19'-15' Bts.	3 10-3/8 x 11	031049			 <p>031049</p> <p>Mariner 20 - 25 HP Aluminum</p>	
25 HP Marathon	95 Thru	17'-13' Bts.	3 10-3/8 x 13	031048				
Thru Hub Exhaust		Up to 14' Bts.	3 10-1/4 x 14-1/2	031047				
25 HP	80-84	18'-16' Bts. - All Loads, Skis	3 9-7/8 x 9	022001				
28 HP	76-79	17'-14' Bts. - All Loads, Skis	3 9-7/8 x 10-1/2	022002				
30 HP	79-90	16'-13' Bts. - Light Loads	3 9-3/8 x 12	022003				
Flow-Thru Exhaust								
Mid-Range								
30 HP (2:1 Gear)	94 Thru	19' and up	3 12-1/2 x 8	032141				
30 HP Marathon	95 Thru	19'-17' Bts. - All Loads, Skis	3 11-1/4 x 10	031015				
40 HP (2 Cyl.)	78-90	18'-16' Bts. - All Loads, Skis	3 12 x 10-1/2	032142				
40 HP (4 Cyl.)	91 Thru	18'-16' Bts. - All Loads, Skis	3 10-7/8 x 11	031053				
40 HP Marathon	95 Thru	17'-15' Bts. - All Loads, Skis	3 10-3/4 x 12	031056				
45 HP (4 Cyl.)	86-Thru	17'-15' Bts. - All Loads, Skis	3 10-5/8 x 12	031016	033001			
48 HP	All Years	17'-14' Bts. - All Loads, Skis	3 10-1/2 x 13	031057				
50 HP (4 Cyl.)	80-85	17'-14' Bts. - All Loads, Skis	3 10-3/8 x 13	031017				
50 HP (3 Cyl.)	86 Thru	16'-14' Bts. - Light Loads	3 10-3/8 x 14	031058				
50 HP 4-Stroke	95 Thru	16'-14' Bts. - Light Loads	3 10-1/4 x 14	031018	033028			
55 HP Marathon	95 Thru	15'-13' Bts. - Light Loads	3 10-1/8 x 15	031019				
60 HP	78-94	Up to 15' Bts. - Light Loads	3 10 x 17	031020				
60 HP (1.64 Gear)	95 Thru							
70 HP (3 Cyl.)	Thru 83							
Thru Hub Exhaust								
60 HP	1976	See Listing under Mercury section on page 10.						
80 HP	1977							
3 Cyl., 4 & 6 In Line Cyl.								
60 HP Big Foot	95 Thru	25' + Bts. - All Loads	3 14 x 11	*031054				
60 HP Marathon	96 Thru	22' + Bts. - All Loads	3 14 x 13	*031055				
75 HP 4 Cyl.	Thru 86	24'-20' Bts. - All Loads, Skis	3 13-3/4 x 15	033016	033016	3 13-1/4 x 15		
75 HP 3 Cyl.	87 Thru	19'-17' Bts. - All Loads, Skis	3 13-1/4 x 17	033017	033017	3 13-1/4 x 17		
75 HP Marathon		18'-16' Bts. - All Loads, Skis	3 13 x 19	*031043	*033018	3 13-1/4 x 19		
80 HP 4 Cyl.	78-83	18'-15' Bts. - All Loads, Skis	3 12-3/4 x 21	*031044				
90 HP 6 Cyl.	Thru 85	18'-15' Bts. - All Loads, Skis	3 13 x 21		*033019	3 13-1/4 x 21		
90 HP 3 Cyl.	87 Thru	16'-14' Bts. - All Loads, Skis	3 12-1/2 x 23	*031045				
100 HP 4 Cyl.	88 Thru							
115 HP 6 Cyl.	78-88							
115 HP 4 Cyl.	89 Thru							
125 HP 4 Cyl.	94 Thru							

* Use Thrust Washer 13191A1 ** Use Thrust Washer 42037 for Full Length Spline Shaft. Use Thrust Washer 821932 for Half Length Spline Shaft.

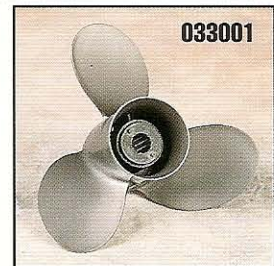
▶ To Avoid Damage or Injury, Replace Standard Trim Tab with Trim Tab #46399A1. Thrust Washer 13191A1 MUST be used.



Mariner 30 - 70 HP
Aluminum



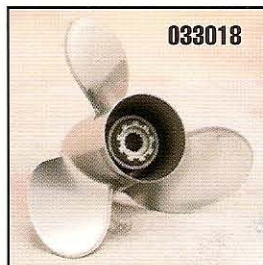
Mariner 30 - 70 HP
Wide Blade Aluminum



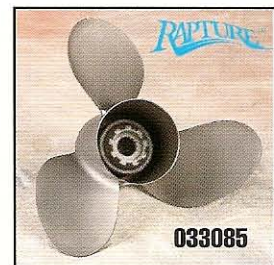
Mariner 30 - 70 HP
Stainless Steel



Mariner 60 - 125 HP
Aluminum



Mariner 60 - 125 HP
Stainless Steel



Mariner 60 - 125 HP
Max-Performance
Stainless Steel

MARINER™ (CONTINUED)

OUTBOARD

Motor & Model	Year	Boat Size Suggestion	Michigan Wheel Nearest OEM Match			Michigan Performance Series		
			Description Blds. Dia. x Pitch	Aluminum RH P/N	Stainless RH P/N LH P/N	Description Blds. Dia. x Pitch	Stainless Steel RH P/N LH P/N	
V-6 Outboards 4-1/4" Gear Case								
150 Magnum II	Thru 91	53-62 MPH	4	13-1/4 x 22		033068		
150 Magnum III	92-94	55-63 MPH	4	13-1/4 x 23		033069		
		59-67 MPH	4	13-1/4 x 24		033070		
		64-73 MPH	4	13-1/4 x 25		033071		
V-6 Outboards* 4-3/4" Gear Case								
135 HP	86 Thru	Cruisers, Houseboats	3	16 x 11	031021			
150 HP*	79 Thru	Cruisers, Houseboats	3	16 x 13	031022			
175 HP*	78 Thru	22'-25' Bts. - All Loads	3	16 x 14	031050			
200 HP*	79 Thru	21'-24' Bts. - All Loads	3	15-1/4 x 15	031023			
220 HP*	87-88	21'-24' Bts. - All Loads	3	14-1/2 x 15		033002	3	14-1/4 x 15 033072 033073
225 HP*	94 Thru	20'-23' Bts. - All Loads, Skis	3	16 x 16	031051			
250 HP*	90 Thru	19'-23' Bts. - All Loads, Skis	3	14-1/2 x 17	031024	033003	3	14-1/4 x 17 033074 033075
275 HP*	90-94	18'-22' Bts. - All Loads, Skis	3	15-1/2 x 18	031052			
		18'-21' Bts. - All Loads, Skis	3	14 x 19	031025	033004	3	14-1/4 x 19 033076 033077
		18'-20' Bts. - All Loads, Skis	3	13-3/4 x 21	031026	033005	3	14-1/4 x 21 033078 033079
		17'-20' Bts. - All Loads, Skis	3	13-1/2 x 23	031027	033006	3	14-1/4 x 23 033080 033081
		Up to 18' Boats					3	14-1/4 x 25 033082 033083
4 Blade Hole Shot Performance Propellers								
		50-62 MPH	4	13-3/4 x 22		*033038		
		55-67 MPH	4	13-3/4 x 24		*033040		
		60-72 MPH	4	13-3/4 x 26		*033042		
* Use Thrust Washer A-9500-110 Provided								
		18'-21' Bts. - All Loads, Skis	3	15-1/4 x 19		033030	033029	
		18'-20' Bts. - All Loads, Skis	3	14-3/4 x 21		033032	033031	
		17'-20' Bts. - All Loads, Skis	3	14-5/8 x 23		033034	033033	
		16'-19' Bts. - All Loads, Skis	3	14-1/2 x 25		033036	033035	



* Includes EFI, Offshore, Magnum & Marathon Use Thrust Washer 13171

THE WAVE™

PROPELLERS

For Offshore or Heavy Boats

▶ To Avoid Damage or Injury, Trim Tab 46399A1 MUST replace standard trim tab. Please Note: Add 4" Pitch for Twin Applications.

*When replacing the Flo-Torq II™ plastic hub props, lock washer #13-42531-1 & rear washer #12-31211A2 are required in addition to existing hardware.



033069
Mariner 150 Magnum
4 Blade Stainless Steel



031025
Mariner 135 - 275 HP
Aluminum



031050
031051
031052
Mariner 135 - 275 HP
Aluminum Wide Blade



033076
Mariner 135 - 275 HP
Max-Performance
Stainless Steel
see page 19

SEARS, ELGIN, ESKA

Motor & Model	Year	Boat Size Suggestion	Description		Aluminum	
			Blds.	Dia. x Pitch	RH P/N	LH P/N
3,3.5,3.6,4,4.5	70-73	Standard Replacement	2	7-1/2 x 4-1/2		072017
5 HP (Sears)	88 Thru	Standard Replacement	3	7-1/4 x 5-1/2	072123	
5.5,5.7,7.5 HP	60-73	Standard Replacement	2	7-1/2 x 5-1/2		152014
7.5 HP (Sears)	88 Thru	14'-12' Bts. - Light Loads	3	8 x 9	072122	
9.9,15 HP (Sears)	87 Thru	Standard Replacement	2	8 x 8-3/4	072024	
		Standard Replacement	3	8-1/8 x 8-1/4	072026	
		16'-14' Bts. - Light Loads	3	8-1/4 x 6	072121	



033004
Mariner 135 - 275 HP
Stainless Steel
Equivalent to QSS

WARD'S SEA KING

Motor & Model	Year	Boat Size Suggestion	Description		Aluminum	
			Blds.	Dia. x Pitch	RH P/N	LH P/N
3-1/2	64-69	Standard Replacement	2	7-1/2 x 4-1/2		072017
7-1/2 Full Shaft	77-78	Standard Replacement	3	8-1/4 x 8	012008	
9.6,9.9,10 HP	70 Thru	Standard Replacement	2	8-1/4 x 8-1/4	072024	
15 HP	74-82	Standard Replacement	3	8-1/8 x 8-1/4	072026	
20-25 HP	68-78	Standard Replacement	3	8-1/2 x 8-1/2	152002	
Splined Shaft						
35, 45, 50, 55 HP	66 Thru	Cruisers, Houseboats, Sailboat	3	10-3/8x 10	072014	
Splined Shaft						
		19'-17' Bts. - All Loads, Skis	3	10-3/8x 11-1/2	072131	
		17'-16' Bts. - All Loads, Skis	3	10-3/8x 12-1/2	072132	
		16'-14' Bts. - Light Loads	3	10-3/8x 13-1/2	072133	
		16'-14' Bts. - Light Loads	3	10-3/8x 14-1/2	072134	
80 HP	64-69	17'-16' Bts. - All Loads, Skis	3	12-1/8x 14	012033	



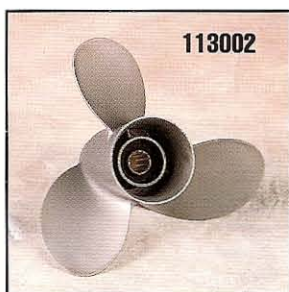
033036
Mariner V-6
Stainless Steel
Equivalent to Mirage™

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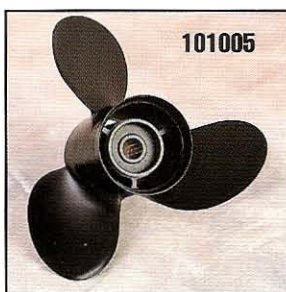
Motor & Model	Year	Boat Size & Suggestion	Michigan Wheel Nearest OEM Match			RAPTURE Performance Series					
			Description Blds. Dia. x Pitch	Aluminum RH P/N	Stainless RH P/N	Description Blds. Dia. x Pitch	Stainless Steel RH P/N LH P/N				
Portables											
6 HP	86 Thru	General Usage	3	8-1/2 x 6-1/2	102001						
8 HP	84 Thru	General Usage	3	8-1/2 x 7-1/2	102002						
8 HP	76-83	16'-14' Bts. - All Loads	3	8-1/4 x 8	012008						
		16'-14' Bts. - Light Loads	3	8-1/4 x 9	012101						
9.9 HP 15 HP	84 Thru	13'-17' Bts. - Heavy Loads	3	9-1/4 x 8	102003						
	84 Thru	12'-15' Bts. - All Loads	3	9-1/4 x 9	102004						
	86 Thru	12'-15' Bts. - All Loads	3	9-3/4 x 10-1/2	102005						
15A & W15 HP	76-83	Houseboats, Sailboats	3	9-1/4 x 7	012102						
		14'-12' Bts. - Heavy Loads	3	9 x 10	012011						
20 HP	76-78	14'-12' Bts. - All Loads	3	9-1/4 x 11	012013						
25 HP 2 Cyl.	77-79	14'-12' Bts. - Light Loads	3	9-1/4 x 12	012010						
20 HP	96 Thru	18'-16' Bts. - All Loads, Skis	3	9-7/8 x 9	022001						
25-C25-CV25	80 Thru	17'-14' Bts. - All Loads, Skis	3	9-7/8 x 10-1/2	022002						
28 HP	76-78	16'-13' Bts. - Light Loads	3	9-3/8 x 12	022003						
30-C30-CV30	79 Thru	Flow Thru Exhaust									
Mid Range & V-4											
40-C40-CV40	84 Thru	22'-19' Bts. - Light Loads	3	12-1/4 x 10	032045						
E48 HP	95 Thru	19'-17' Bts. - All Loads, Skis	3	12 x 11	032044						
50-CV50-P50	84 Thru	18'-15' Bts. - All Loads, Skis	3	10-1/4 x 12		113001					
55-C55 HP	76-95	17'-16' Bts. - All Loads, Skis	3	11-3/4 x 12	032043						
60-P60 HP	76-91	16'-14' Bts. - Light Loads	3	11-1/2 x 13	032042						
		15'-13' Bts. - Light Loads	3	10-5/8 x 14		113002					
		14'-12' Bts. - Light Loads	3	11-1/4 x 14	032041						
			3	11 x 15	032040						
			3	10-3/4 x 16	032039						
80 HP	1977	See Mercury on Page 10 for available propeller									
80-90-115 HP 140 HP	78-83 78-79	25' + Bts. - All Loads	3	14 x 11	031054						
		22' + Bts. - All Loads	3	14 x 13	031055						
		24'-20' Bts. - All Loads, Skis	3	13-3/4 x 15	031041	033016	3	13-1/4 x 15	033084		
		19'-17' Bts. - All Loads, Skis	3	13-1/4 x 17	031042	033017	3	13-1/4 x 17	033085		
		18'-16' Bts. - All Loads, Skis	3	13 x 19	031043	033018	3	13-1/4 x 19	033086		
		18'-15' Bts. - All Loads, Skis	3	12-3/4 x 21	031044	033019	3	13-1/4 x 21	033087		
		16'-14' Bts. - All Loads, Skis	3	12-1/2 x 23	031045						
T50 HP	96 Thru	24'-20' Bts. - All Loads, Skis	3	13-3/4 x 15	101001	103025	3	13-1/4 x 15	103056		
Pro 60 HP	92 Thru	19'-17' Bts. - All Loads, Skis	3	13-1/4 x 17	101003	103026	3	13-1/4 x 17	103057		
E60 HP	95 Thru	18'-16' Bts. - All Loads, Skis	3	13 x 19	101005	103027	3	13-1/4 x 19	103058		
70 HP	84 Thru	18'-15' Bts. - All Loads, Skis	3	12-3/4 x 21	101007	103028	3	13-1/4 x 21	103059		
C75 HP	94 Thru										
E 75 HP	95 Thru										
C85-CV85 HP	91 Thru										
90, 130 HP	84 Thru										
115-C115-P115	84 Thru										
115 SW-130 SW	95 Thru										
V-6 Outboards											
150-200 HP	79-83	Cruisers, Houseboats	3	16 x 11	031021						
175 HP	78-79	Cruisers, Houseboats	3	16 x 13	031022						
		20'-24' Bts. - All Loads, Skis	3	15-1/4 x 15	031023						
		20'-22' Bts. - All Loads, Skis	3	14-1/2 x 15		033002	3	14-1/4 x 15	033072		
		19'-21' Bts. - All Loads, Skis	3	14-1/2 x 17	031024	033003	3	14-1/4 x 17	033074		
		18'-20' Bts. - All Loads, Skis	3	14 x 19	031025	033004	3	14-1/4 x 19	033076		
		18'-19' Bts. - All Loads, Skis	3	13-3/4 x 21	031026	033005	3	14-1/4 x 21	033078		
		17'-19' Bts. - All Loads, Skis	3	13-1/2 x 23	031027	033006	3	14-1/4 x 23	033080		
		17'-18' Bts. - All Loads, Skis	3	14-1/4 x 25			3	14-1/4 x 25	033082		
		150 HP	86 Thru	20'-22' Bts. - All Loads, Skis	3	15-1/4 x 15	101010		3	14-1/4 x 15	103044
		175, 200 HP	84 Thru	19'-21' Bts. - All Loads, Skis	3	14-1/2 x 17	101011	103018	3	14-1/4 x 17	103046
220 HP (Special)	84-85	18'-20' Bts. - All Loads, Skis	3	14 x 19	101012	103020	3	14-1/4 x 19	103048		
225 HP (Excel)	87-88	18'-20' Bts. - All Loads, Skis	3	13-3/4 x 21	101013	103022	3	14-1/4 x 21	103050		
225 HP	86 Thru	18'-19' Bts. - All Loads, Skis					3	14-1/4 x 23	103052		
250 HP	90 Thru	Up to 18' - All Loads, Skis					3	14-1/4 x 25	103054		
									103045		
									103047		
									103049		
									103051		
									103053		
									103055		
4 Blade Hole Shot Performance Propellers											
Included: Saltwater & Pro V		50-62 MPH	4	13-3/4 x 22		103030					
		55-67 MPH	4	13-3/4 x 24		103032					
		60-72 MPH	4	13-3/4 x 26		103034					



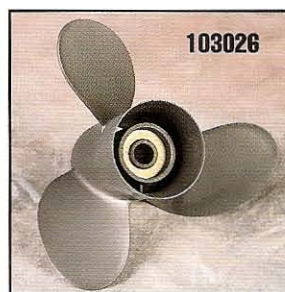
Yamaha 9.9 - 15 HP
Aluminum



Yamaha 40 - 60 HP
Stainless Steel



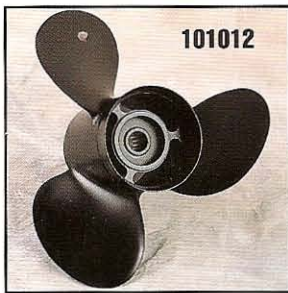
Yamaha 50 - 115 HP
Aluminum



Yamaha 50 - 115 HP
Stainless Steel



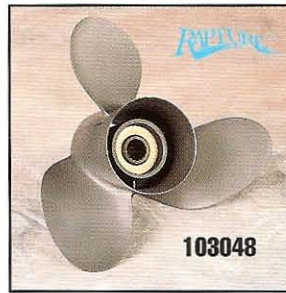
Yamaha 50 - 115 HP
Max-Performance
Stainless Steel
see page 19



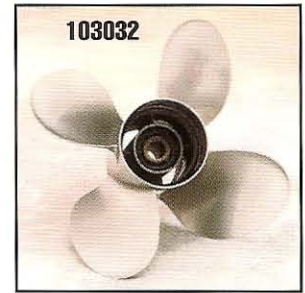
Yamaha 150 - 250 HP
Aluminum



Yamaha 150 - 250 HP
Stainless Steel



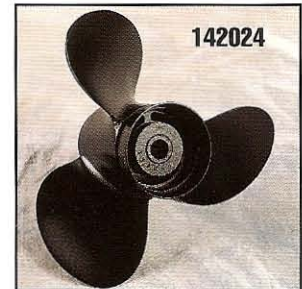
Yamaha 150 - 250 HP
Max-Performance
Stainless Steel
see page 19



Yamaha 4 Blade
Stainless Steel

NISSAN, TOHATSU

Motor & Model	Year	Boat Size & Suggestion	Michigan Wheel Nearest OEM Match			RAPTURE Performance Series		
			Description Blds. Dia. x Pitch	Aluminum RH P/N	Stainless RH P/N	Description Blds. Dia. x Pitch	Stainless Steel RH P/N	
Portables								
9.9 HP	84 Thru	14'-18' Bts. - All Loads	3 9.2 x 6.9	142015				
12 HP	85-88	12'-16' Bts. - All Loads	3 9.2 x 8.4	142017				
15, 18 HP	85 Thru	10'-14' Bts. - All Loads	3 9.2 x 9.8	142019				
Compacts								
25 HP	86 Thru	16'-20' Bts. - All Loads	3 10.2 x 8.3	142020				
30 HP	85 Thru	14'-18' Bts. - All Loads	3 9.8 x 10.2	142022				
		12'-16' Bts. - All Loads	3 9.9 x 13.1	142024				
35 HP (35B only)	Thru 84	21'-17' Bts. - All Loads	3 10.6 x 11.3	142001				
40 HP	84 Thru	17'-16' Bts. - All Loads	3 10.6 x 11.7	142002				
50 HP (50D only)	1991	16'-14' Bts. - All Loads	3 10.3 x 12.7	142003				
50 HP	92 Thru	14'-12' Bts. - All Loads	3 10.2 x 13.9	142004				
Mid-Range								
50 HP (50C only)	87-91	Cruisers, Houseboats	3 11.6 x 11	142005				
55 HP	81-88	18'-15' Bts. - All Loads, Skis	3 11.5 x 13	142006				
60 HP	86 Thru	18'-15' Bts. - All Loads, Skis	3 12-1/2 x 13		013024			
70 HP	81 Thru	17'-14' Bts. - All Loads, Skis	3 11 x 15	142007				
		17'-14' Bts. - All Loads, Skis	3 12-1/4 x 15		013010			
		15'-13' Bts. - All Loads, Skis	3 10.7 x 16.4	142008				
		15'-13' Bts. - All Loads, Skis	3 11-3/4 x 17		013026			
		14'-12' Bts. - All Loads, Skis	3 10.9 x 17.6	142009				
		14'-12' Bts. - All Loads, Skis	3 11-1/4 x 19		013032			
3 & 4 Cylinder								
90 HP	87 Thru	24'-20' Bts. - All Loads, Skis	3 13.5 x 14.6	142010				
115 HP**	92 Thru	24'-20' Bts. - All Loads, Skis	3 13-3/4 x 15		103025	3	13-1/4 x 15	103056
120 HP	88 Thru	19'-17' Bts. - All Loads, Skis	3 13.5 x 15.7	142011				
140 HP	88 Thru	19'-17' Bts. - All Loads, Skis	3 13-1/4 x 17		103026	3	13-1/4 x 17	103057
(** Tohatsu Only)		18'-16' Bts. - All Loads, Skis	3 12.9 x 17.6	142012				
		18'-16' Bts. - All Loads, Skis	3 13 x 19		103027	3	13-1/4 x 19	103058
		18'-15' Bts. - All Loads, Skis	3 12.6 x 19.9	142013				
		18'-15' Bts. - All Loads, Skis	3 12-3/4 x 21		103028	3	13-1/4 x 21	103059



Tohatsu / Nissan
25 - 30 HP Aluminum



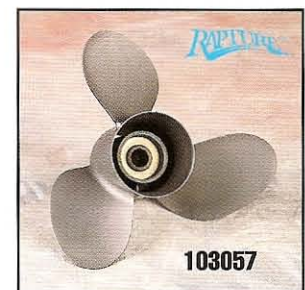
Tohatsu / Nissan
35 - 50 HP Aluminum



Tohatsu / Nissan
50 - 70 HP Aluminum



Tohatsu / Nissan
90 - 140 HP Aluminum



Tohatsu / Nissan
90 - 140 HP
Max-Performance
Stainless Steel
see page 19

SUZUKI

OUTBOARD

Motor & Model	Year	Boat Size & Suggestion	Michigan Wheel Nearest OEM Match			RAPTURE Performance Series			
			Description Blds. Dia. x Pitch	Aluminum RH P/N	Stainless RH P/N	Description Blds. Dia. x Pitch	Stainless Steel RH P/N LH P/N		
Portable Engines									
DT 9.9	83-87	14'-20' Bts. - All Loads	3	9-1/4 x 7	062015				
DT 15	83-88	14'-18' Bts. - All Loads	3	9-1/4 x 9	062016				
DT 15C	89 Thru	14'-16' Bts. - All Loads	3	9-1/4 x 11	062017				
Compacts									
DT 20,25,30@	83-86	18'-16' Bts. - All Loads	3	10-1/4 x 11	062012				
DT 20,25,30/30C87-88		16'-14' Bts. - All Loads	3	10-1/4 x 12	062013				
DT 25C, 30C	89 Thru	16'-14' Bts. - All Loads	3	10-1/4 x 13	062014				
Mid-Range									
DT 35C	87-90	21'-18' Bts. - All Loads	3	10-1/4 x 10	032045				
DT 40	83 Thru	19'-17' Bts. - All Loads	3	12 x 11	032044				
DT 50 & 50M	83-84	18'-16' Bts. - Light Loads	3	10-5/8 x 12		113001			
DT 55	85 Thru	17'-15' Bts. - Light Loads	3	11-3/4 x 12	032043				
DT 60	83-84	16'-14' Bts. - Light Loads	3	11-1/2 x 13	032042				
DT 65	85 Thru	15'-13' Bts. - Light Loads	3	10-1/4 x 14		113002			
		14'-12' Bts. - Light Loads	3	11-1/4 x 14	032041				
			3	11 x 15	032040				
			3	10-3/4 x 16	032039				
DT 75#	83 Thru	19'-17' Bts. - All Loads, Skis	3	13-3/4 x 15	*061001	063001	3	13-1/4 x 15	063042
DT 85#	79 Thru	18'-15' Bts. - All Loads, Skis	3	13-1/4 x 17	*061002	063002	3	13-1/4 x 17	063043
DT 90+, DT 100+	89 Thru	16'-14' Bts. - All Loads, Skis	3	13 x 19	*061003	063003	3	13-1/4 x 19	063044
DT 115#, DT 140#	81 Thru	16'-14' Bts. - Light Loads	3	13 x 21	*061004	063004	3	13-1/4 x 21	063045
V-6 Outboards									
DT 150*	86 Thru	19'-17' Bts. - All Loads, Skis	3	14-1/2 x 15		063005	3	14-1/4 x 15	*063030 *063031
DT 175*	86-92	18'-15' Bts. - All Loads, Skis	3	14-1/2 x 17		063006	3	14-1/4 x 17	*063032 *063033
DT 200*	86 Thru	16'-14' Bts. - All Loads, Skis	3	14 x 19		063007	3	14-1/4 x 19	*063034 *063035
DT 225*	90 Thru	16'-14' Bts. - Light Loads					3	14-1/4 x 21	*063036 *063037
(*Includes EFI & Bass)		14'-12' Bts. - Light Loads					3	14-1/4 x 23	*063038 *063039
		14'-12' Bts. - Light Loads					3	14-1/4 x 25	*063040 *063041
4 Blade Hole Shot Performance Propellers									
		50-62 MPH	4	13-1/4 x 22		*063016			
		55-67 MPH	4	13-1/4 x 24		*063018			
		60-72 MPH	4	13-1/4 x 26		*063020			



Suzuki 75 - 115 HP
Max-Performance
Stainless Steel
see page 19

Requires: 57633-95501 Spacer - 57635-95503 Stopper - 57635-95300 Lock Washer Supplied with Engine
 * If currently using uncupped propeller, use cupped prop having 2" less pitch. Boats with power trim use same pitch.
 @ Use Stopper 57632-96400 □ Use Stopper A9500-109 supplied with propeller on aft end of shaft.
 + Use Stopper 57632-87E10, Spacer 57633-95501, Washer 57635-95300
 ☆ To Avoid Damage or Injury, Trim Tab 55125-87D10 must replace standard trim tab. Use stopper A9500-109 supplied with propeller



Suzuki 20 -30 HP
Aluminum



Suzuki 35 - 65 HP
Aluminum



Suzuki 75 - 115 HP
Aluminum

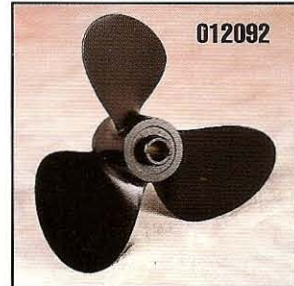


Suzuki 75 - 115 HP
Stainless Steel

OMC - OUTBOARD MARINE

STERNDRIVE

Motor & Model	Blds.	Dia. x Pitch	Aluminum RH P/N
OMC Saildrive®	3	10-1/2 x 10	012027
Model 14 Large Gear Case (1967-77)			
HP Range: 120 to 245	3	14 x 11	012089
Suggestion: For twin installation increase pitch 2"	3	14 x 12	012090
	3	14 x 14	012091
	3	14 x 16	012092
	3	14 x 18	012093
	3	14 x 20	012094
80-90 HP 2 Cycle (1968) Small Gear Case: Marine Drive Systems/Ranger			
HP Range: 80 to 120	3	10-1/4 x 10	012043
Suggestion: For twin installation increase pitch 2"	3	10 x 11	012044
	3	10 x 12	012045
* Small Hub Propeller - use special nut part no. 302001	3	10 x 9-1/4	*012042



OMC Model 14
Large Gearcase
Aluminum

OMC (CONTINUED)

STERNDRIVE

Motor & Model	Year	Boat Size & Suggestion (MPH)	Michigan Wheel Nearest OEM Match				RAPTURE Performance Series				
			Description		Aluminum	Stainless		Description		Stainless Steel	
			Blds.	Dia. x Pitch	RH P/N	RH P/N	LH P/N	Blds.	Dia. x Pitch	RH P/N	LH P/N
Model 400/Cobra®											
Model 400		Workboat (6-16)	3	14 x 11	012047						
2.3 L (120 HP) Thru 91		Houseboats, Cruisers (14-26)	3	14 x 13	011001						
2.5 L (120 HP) 78-84		22'-19' (24-37)	3	13-3/4 x 15	011002	013028		3	13-1/4 x 15	013076	
3.0 L (140 HP) Thru 89		20'-17' (30-45)	3	13-1/4 x 17	011003			3	13-1/4 x 17	013077	
Cobra		20'-17' (30-45)	3	13-3/8 x 17		013030					
2.3 L (128 HP) 88-91		24'-18' (30-45)	3	14 x 17	011024						
2.5 L (120 HP) 85-87		19'-16' (36-50)	3	13 x 19	011004	013033		3	13-1/4 x 19	013078	
3.0 L (140 HP) 85-87		19'-16' (36-50)	3	14 x 19	011025						
3.0 L (130 HP) Thru 89		18'-15' (41-53)	3	12-3/4 x 21	011005	013034		3	13-1/4 x 21	013079	
		18'-15' (41-55)	3	14 x 21	011026						
Model 800/King Cobra®/Cobra®											
3.0 Litre	90-93	Non-Plane Hvy. Cruisers	3	15-1/2 x 10	011015						
3.2 Litre (Diesel)	92-93	Non-Plane Hvy. Cruisers	3	15-1/2 x 13	011016						
3.8 Litre	78-85	26'-22' (22-32)	3	15-1/2 x 15	011006						
4.3 Litre	85-93	24'-19' (28-35)	3	15 x 15		013052	013051	3	14-1/4 x 15	013064	013065
5.0 Litre	78-93	24'-18' (30-39)	3	15 x 17	011007	013044	013043	3	14-1/4 x 17	013066	013067
5.8 Litre (Cobra)	89-93	20'-17' (36-44)	3	14-1/2 x 19	011008	013046	013045	3	14-1/4 x 19	013068	013069
Includes H.O. & EFI Models (All Thru Hub Exhaust)		19'-16' (40-49)	3	14-1/4 x 21	011009	013048	013047	3	14-1/4 x 21	013070	013071
Use Thrust Washer 126402		20'-15' (45-56)	3	14-1/4 x 23	011010	013050	013049	3	14-1/4 x 23	013072	013073
		High Perf. (50-60)	3	14-1/4 x 25				3	14-1/4 x 25	013074	013075
5.7 Litre	78-93	Heavy Cruisers (25-32)	3	15-1/2 x 13	011016						
5.8 Litre (King Cobra)	92-94	28'-22' (30-37)	3	15-1/2 x 15	011006						
7.4 Litre	90 Thru	26'-19' (33-39)	3	15 x 15		031052	013051	3	14-1/4 x 15	013064	013065
7.5 Litre	87-90	26'-19' (35-46)	3	15 x 17	011007	013044	013043	3	14-1/4 x 17	013066	013067
8.2 Litre	92-93	24'-18' (40-52)	3	14-1/2 x 19	011008	013046	013045	3	14-1/4 x 19	013068	013069
Includes H.O. & EFI Models (All Thru Hub Exhaust)		22'-17' (46-60)	3	14-1/4 x 21	011009	013048	013047	3	14-1/4 x 21	013070	013071
Use Thrust Washer 126402		High Perf. (51-66)	3	14-1/4 x 23	011010	013050	013049	3	14-1/4 x 23	013072	013073
		High Perf. (55-66)	3	14-1/4 x 25				3	14-1/4 x 25	013074	013075

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

See Page 20

OMC DRIVE (1982 Thru)

SEADRIVE®

Motor & Model	Year	Boat Size & Suggestion (MPH)	Michigan Wheel Nearest OEM Match				RAPTURE Performance Series				
			Description		Aluminum	Stainless		Description		Stainless Steel	
			Blds.	Dia. x Pitch	RH P/N	RH P/N	LH P/N	Blds.	Dia. x Pitch	RH P/N	LH P/N
Sea Drives®											
1.6 Litre (V-4)	82 Thru	Barges, Houseboats (1-18)	3	14 x 11	012047						
1.8 Litre (V-4)	87 Thru	26' + (14-28)	3	14 x 13	011001						
		26'-22' (24-36)	3	13-3/4 x 15	011002	013028		3	13-1/4 x 15	013076	
		22'-19' (30-40)	3	13-1/4 x 17	011003			3	13-1/4 x 17	013077	
		22'-19' (30-40)	3	13-3/8 x 17		013030					
		22'-19' (30-40)	3	14 x 17	011024						
		20'-17' (38-50)	3	13 x 19	011004	013033		3	13-1/4 x 19	013078	
		20'-17' (38-50)	3	14 x 19	011025						
		18'-15' (44-56)	3	12-3/4 x 21	011005	013034		3	13-1/4 x 21	013079	
Add 2" pitch for twin engines		18'-15' (44-56)	3	14 x 21	011026						
2.0 Litre (V-4)	89 Thru	Barges, Houseboats (10-25)	3	15-1/2 x 13	011016						
2.5 Litre (V-6)	82-87	36'-32' Twin (24-34)	3	15-1/2 x 15	011006						
2.6 Litre (V-6)	82-Thru	36'-32' Twin (27-36)	3	15 x 15		013052	013051	3	14-1/4 x 15	013064	013065
2.7 Litre (V-6)	87 Thru	33'-30' Twin (30-40)	3	15 x 17	011007	013044	013043	3	14-1/4 x 17	013066	013067
3.0 Litre (V-6)	89 Thru	30'-27' Twin (36-47)	3	14-1/2 x 19	011008	013046	013045	3	14-1/4 x 19	013068	013069
3.6 Litre (V-8)	87 Thru	28'-25' Twin (42-54)	3	14-1/4 x 21	011009	013048	013047	3	14-1/4 x 21	013070	013071
4.0 Litre (V-8)	89 Thru	25'-23' Twin (50-62)	3	14-1/4 x 23	011010	013050	013049	3	14-1/4 x 23	013072	013073
Deduct 4" pitch for single engine		22'-18' Twin (56-68)	3	14-1/4 x 25				3	14-1/4 x 25	013074	013075



011003
OMC Cobra™/Seadrive™/Model 400
Aluminum Narrow Blade



013034
OMC Cobra™/Seadrive™/Model 400
Stainless Steel
Equivalent to SSTII®



011008
OMC Cobra™/Seadrive™/Model 800
Aluminum



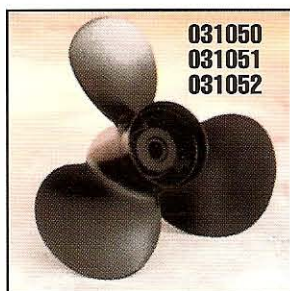
013068
OMC Cobra™/Seadrive™/Model 400
Max-Performance
Stainless Steel
see page 19

MERCURISER™ (BLACK MAX SERIES 1983 THRU)

STERNDRIVE

Motor & Model	Year	Boat Size & Suggestion (MPH)	Michigan Wheel Nearest OEM Match			Michigan Performance Series				
			Description	Aluminum	Stainless	Description	Stainless Steel			
			Blds.	Dia. x Pitch	RH P/N	RH P/N	Blds.	Dia. x Pitch	RH P/N	LH P/N
Alpha One™ / Mercuriser™ / Magnum										
Mercuriser™ 120-190 HP	83-85	Non-Plane Heavy Cruisers	3	16 x 11	031021					
		Non-Plane Heavy Cruisers	3	16 x 13	031022					
		Includes 470, 488, 898	3	16 x 14	031050					
Alpha One™ 2.5 L (120)	86-89	21'-26' (18-31)	3	14-1/2 x 15		033002	3	14-1/4 x 15	033072	033073
3.0 L (125-140)	86 Thru	21'-26' (18-31)	3	15-1/4 x 15	031023					
3.7 L (165-190)	86-89	19'-23' (26-34)	3	16 x 16	031051					
		19'-23' (27-37)	3	14-1/2 x 17	031024	033003	3	14-1/4 x 17	033074	033075
		17'-21' (32-39)	3	15-1/2 x 18	031052					
		17'-21' (33-42)	3	14 x 19	031025	033004	3	14-1/4 x 19	033076	033077
		Up to 19' (37-46)	3	13-3/4 x 21	031026	033005	3	14-1/4 x 21	033078	033079
		Up to 18' (40-50)	3	13-1/2 x 23	031027	033006	3	14-1/4 x 23	033080	033081
		Up to 18' (43-55)	3				3	14-1/4 x 25	033082	033083
Mercuriser™ 200-260 HP	83-85	Non-Plane Heavy Cruisers	3	16 x 11	031021					
		Houseboats (8-26)	3	16 x 13	031022					
		Includes 228, 898	3	16 x 14	031050					
Alpha One™ 4.3 L (155-180)	86 Thru	23'-27' (18-31)	3	14-1/2 x 15		033002	3	14-1/4 x 15	033072	033073
5.0 L (180-230)	86-95	23'-28' (19-38)	3	15-1/4 x 15	031023					
5.7 L (230-260)	86 Thru	22'-26' (26-35)	3	16 x 16	031051					
Magnum 350 Mag.	87 Thru	21'-26' (29-45)	3	14-1/2 x 17	031024	033003	3	14-1/4 x 17	033074	033075
454 Mag.	1987	21'-25' (34-42)	3	15-1/2 x 18	031052					
		19'-25' (35-49)	3	14 x 19	031025	033004	3	14-1/4 x 19	033076	033077
		17'-23' (41-56)	3	13-3/4 x 21	031026	033005	3	14-1/4 x 21	033078	033079
		Up to 20" (47-62)	3	13-1/2 x 23	031027	033006	3	14-1/4 x 23	033080	033081
		Up to 18" (47-65)	3				3	14-1/4 x 25	033082	033083

Caution: Standard Trim Tab is 316404; Standard ThrustWasher is 13171. Mercuriser I props (1982 and before) on this stern drive require thrust washer 56292A2. When replacing the Flo-Torq II™ plastic hub props, lock washer #13-42531-1 & rear washer #12-31211A2 are required in addition to existing hardware. To Avoid Damage or Injury, Trim Tab 46399A1 MUST replace standard Trim Tab when using the Rapture. Please Note: Add 4" pitch for twin applications.



Wide Blade Propeller for the Alpha One™ Drive



Alpha One™ Sterndrive Aluminum



Alpha One™ Sterndrive Stainless Steel Equivalent to QSS®



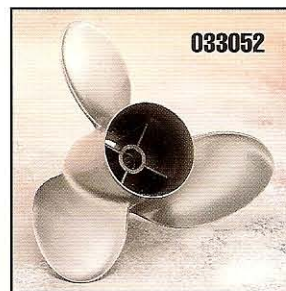
Alpha One™ Sterndrive Max-Performance Stainless Steel

MERCURISER™ - BRAVO ONE™ / ALPHA ONE™ - **WAVE™** High Perf. Propellers

Motor & Model	Year	Boat Size & Suggestion (MPH)	Michigan Wheel Nearest OEM Match			
			Description	Aluminum	Stainless	Stainless
			Blds.	Dia. x Pitch	RH P/N	LH P/N
Alpha One™*** 5.7 L EFI	95 Thru	22'-25' Boats - All Loads, Skis	3	15-1/4 x 19	033030	033029
454 Magnum	1987	21'-23' Boats - All Loads, Skis	3	14-3/4 x 21	033032	033031
Diesel D3.0 L/D183	90 Thru	Up to 22' Bts. - All Loads, Skis	3	14-5/8 x 23	033034	033033
D3.6 L/D219	90 Thru	Up to 20' Bts. - All Loads, Skis	3	14-1/2 x 25	033036	033035
D4.2 L/D254	90 Thru					
Bravo 1™ 5.7 L EFI	95 Thru	25'-30' Boats - All Loads, Skis	3	15-1/4 x 19	033030	033029
350 Magnum	87 Thru	23'-27' Boats - All Loads, Skis	3	14-3/4 x 21	033032	033031
350 Mag. MPI	96 Thru	22'-25' Boats - All Loads, Skis	3	14-5/8 x 23	033034	033033
320 EFI	88-89	21'-24' Boats - All Loads, Skis	3	14-1/2 x 25	033036	033035
7.4 Litre	88 Thru					
7.4 LX MPI	96 Thru					
454 Magnum	88 Thru					
Rubber Hub Insert thru 365 HP						
Bravo 1™ - Over 365 HP must use Solid Hub Propellers						
454 Magnum EFI	95 Thru	26'-32' Boats	3	15-1/4 x 19	033052	
502 Magnum & EFI	90 Thru	24'-30' Boats	3	14-3/4 x 21	033054	033053
450 HP	95 Thru	23'-28' Boats	3	14-5/8 x 23	033056	033055
465 HP	91-94	21'-26' Boats	3	14-1/2 x 25	033058	033057



WAVE™ Rubber Hub Equivalent to Mirage™



WAVE™ Solid Hub Equivalent to Mirage™

***These propellers require the use of anodic plate (76214) or high performance trim tab (46399A1) in place of the standard trim tab.

Note: All recommendations are based on single engine boats. Add 4" pitch for twin engine applications.

Caution: When replacing the Flo-Torq II™ plastic hub props, lock washer #13-42531-1 & rear washer #12-31211A2 are required in addition to existing hardware

Alpha one™, Bravo One™, Mirage™, Mercuriser™ and Flo-Torq II™ are registered trademarks of the Brunswick Corporation.

MERCURISER™ (CON'T)

STERNDRIVE

Motor & Model	Year	Boat Size & Suggestion (MPH)	Michigan Wheel Nearest OEM Match			RAPTURE Performance Series				
			Description Blds. Dia. x Pitch	Aluminum RH P/N LH P/N	Stainless RH P/N	Description Blds. Dia. x Pitch	Stainless Steel RH P/N LH P/N			
Mercuriser™ - (Thru 1982) - HP Range: 110-330 For twin installations increase pitch 2"										
1A, 1B, 1C, 120, 140, 145 DTS, 165, 228, 470, 485, 888, 898, 225S, 233, 255TRS, 260, 280TRS, 330TRS		24' & Up 22'-26' Boats - All Loads 21'-25' Boats - All Loads 20'-24' Boats - All Loads 19'-23' Boats - All Loads 18'-22' Boats - All Loads Thru 17' Boats - All Loads	3 3 3 3 3 3	16 x 13 16 x 15 15-3/4 x 17 15-1/2 x 19 15-1/4 x 21 15 x 23	*031034 *031035 *031036 *031037 *031038 *031039			3 3 3 3 3 3	14-1/4 x 15 14-1/4 x 17 14-1/4 x 19 14-1/4 x 21 14-1/4 x 23 14-1/4 x 25	*033072 *033073 *033074 *033075 *033076 *033077 *033078 *033079 *033080 *033081 *033082 *033083

*Standard Trim Tab: 34127A1 - Standard Thrust Washer: 56292A2 Caution: Black Max series props used on these drives will require trim tab 316404 and thrust washer 13171.
 * When using the Rapture series, Use thrust washer 13171 - Use trim tab 46399A to avoid potential damage or injury.
 When replacing the Flo-Torq II™ plastic hub props, lock washer #13-42531-1 & rear washer #12-31211A2 are required in addition to existing hardware

Mercuriser™ - (Thru 1990 Only) For twin installations increase pitch 2"									
Mercuriser II-TR, TR, Bravo Two, 215E & 215H		25'-34' Boats 25'-30' Boats 22'-28' Boats	3 3 3	20 x 17 19-3/4 x 19 19-1/2 x 21	032113 032114 032115 032116 032117 032118				
Mercuriser™ - For twin installations increase pitch 2"									
Model O - 60 HP		Houseboats, Barges 22'-25' Boats 18'-21' Boats Thru 17'	3 3 3 3	10-1/4 x 10 10-1/4 x 11 10-1/4 x 12 10-1/4 x 13	032084 032085 032086 032087				
Mercuriser I™ ('62-'63) HP Range: 80 to 140. For twin installations increase pitch 2"									
Mercuriser™ 80,90		Houseboats, Barges 22'-25' Boats 20'-23' Boats 19'-22' Boats 18'-21' Boats Thru 17' Boats	3 3 3 3 3 3	13 x 11 13 x 13 13 x 15 13 x 17 13 x 19 13 x 21	032089 032090 032091 032092 032093 032094				



Large Diameter Aluminum
Pre-1983 Mercuriser™ Drive

YAMAHA

STERNDRIVE

Motor & Model	Year	Boat Size & Suggestion (MPH)	Michigan Wheel Nearest OEM Match			RAPTURE Performance Series			
			Description Blds. Dia. x Pitch	Aluminum RH P/N LH P/N	Stainless RH P/N	Description Blds. Dia. x Pitch	Stainless Steel RH P/N LH P/N		
3.0 L (130 HP) EST/PSR	89-93	21'-26' Bts. (18-31) 19'-23' Bts. (27-37)	3 3	15-1/4 x 15 14-1/2 x 17	101010 101011		3 3	14-1/4 x 15 14-1/4 x 17	103044 103045 103046 103047
4.3 L (205 HP) EST/YEMS/PRS	89-93	17'-21' Bts. (33-42) 18'-19' Bts. (37-46) 17'-19' Bts. (39-48) Up to 18' Bts. (40-50)	3 3 3 3	14 x 19 13-3/4 x 21	101012 101013	103018 103020 103022	3 3 3 3	14-1/4 x 19 14-1/4 x 21 14-1/4 x 23 14-1/4 x 25	103048 103049 103050 103051 103052 103053 103054 103055
5.0 L (205 HP) EST/PSR/YEMS	89-93	23'-28' Bts. (19-38) 21'-26' Bts. (29-45)	3 3	15-1/4 x 15 14-1/2 x 17	101010 101011		3 3	14-1/4 x 15 14-1/4 x 17	103044 103045 103046 103047
5.7 L (260 HP) EST/PSR/YEMS	89-93	19'-25' Bts. (35-49) 18'-23' Bts. (41-56)	3 3	14 x 19 13-3/4 x 21	101012 101013	103018 103020 103022	3 3 3	14-1/4 x 19 14-1/4 x 21 14-1/4 x 23	103048 103049 103050 103051 103052 103053
7.4 L (300 HP) Hydra Drive (EST)	92-93	17'-22' Bts. (43-58) Up to 17' Bts. (45-59)	3 3				3 3	14-1/4 x 23 14-1/4 x 25	103052 103053 103054 103055

Let the meek inherit the Earth.



You get the water.



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.

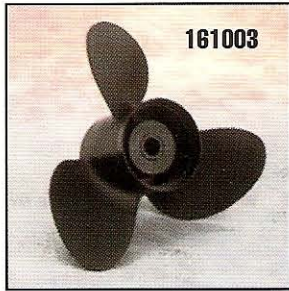
All made in the USA, and backed by a Limited Lifetime Warranty.

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

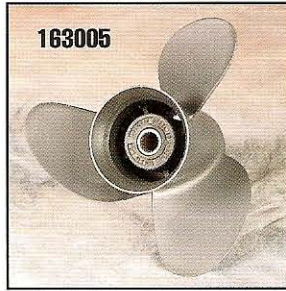
Motor & Model	Year	Boat Size & Suggestion (MPH)	Michigan Wheel Nearest OEM Match				RAPTURE Performance Series					
			Description		Aluminum		Stainless		Description		Stainless Steel	
			Blds.	Dia. x Pitch	RH P/N	LH P/N	RH P/N	LH P/N	Blds.	Dia. x Pitch	RH P/N	LH P/N
SXCobra™, Volvo Penta SX™, OMC Cobra® (94 Thru)												
3.0 Litre	94 Thru	28'-24' (26-36)	3	15-1/2 x 15	161001				3	14-1/4 x 15	163012	163013
4.3 Litre	94 Thru	28'-24' (26-36)	3	15 x 15			163002	163001	3	14-1/4 x 17	163014	163015
5.0 Litre	94 Thru	27'-22' (34-44)	3	15 x 17	161002		163004	163003	3	14-1/4 x 19	163016	163017
5.7 Litre	94 Thru	25'-19' (39-50)	3	14-1/2 x 19	161003		163006	163005	3	14-1/4 x 21	163018	163019
5.8 Litre	94 Thru	22'-17' (39-50)	3	14-1/4 x 21	161004		163008	163007	3	14-1/4 x 23	163020	163021
Includes H.O., EFI, GL, GS, FL & Fi Models		20'-17' (44-57)	3	14-1/4 x 23			163010	163009	3	14-1/4 x 25	163022	163023

Note: Add 4" pitch for twin engine applications.



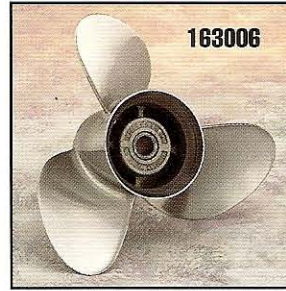
161003

OMC Cobra™ (1994 Thru)
SX Cobra™
Aluminum



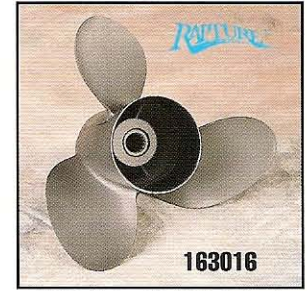
163005

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
see page 19

Aquamatic 200, 250, 270, 275, 280, 290 SP															
Motor HP	Gear Ratio	Approximate Boat Lengths				Houseboats Barges		Long Hub Propellers						Standard Hub Props	
		Thru 17'	18'-21'	22'-25'	26'-30'			Aluminum		Stainless Steel		Aluminum			
			Blds.	Dia. x Pitch	LH P/N	RH P/N	LH P/N	RH P/N	LH P/N	RH P/N	LH P/N	RH P/N			
110-145	1.35:1	14 x 15				3	14 x 15					082025	082026		
	1.62:1	14 x 17	14 x 15	14 x 15		3	14 x 17	*082001	*082002	084006		082027	082028		
	2.15:1	14 x 19	14 x 17	14 x 17	15 x 13	3	14 x 19	*082003	*082004	084008		082031	082032		
150-185	1.35:1	14 x 17	14 x 17	15 x 13		3	14 x 21	*082009	*082010			082033	082034		
	1.61:1	14 x 21	14 x 21	15 x 17	15 x 15	3	15 x 13					082087			
	1.89:1	14 x 19	14 x 19	15 x 15	15 x 13	3	15 x 15					082059	082060		
190-255	1.35:1	14 x 21	15 x 19	15 x 17		3	15 x 17	*082011	*082012			082029	082030		
	1.61:1	14 x 23	16 x 17	16 x 17	16 x 13	3	15 x 19	*082013	*082014			082021	082022		
230-260	1.61:1	14 x 23	14 x 23	15 x 21		3	15 x 21	*082015	*082016			082023			
290	1.61:1	14 x 23	14 x 23	14 x 21		3	16 x 13	082089							
						3	16 x 15	082091	082090						
						3	16 x 17	082093	082092						
						3	15-1/4 x 17			*083001	*083002				
						3	15 x 19			*083003	*083004				
						3	14-1/2 x 21			*083005^	*083006^				

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

Long Hub Propeller Hardware - Propeller Cone #850785-7, Washer #850888-9, Allen Bolt #850889-7, & Thrust Washer #839423-1

Standard Hub Propeller installations from outdrive serial #PZ2877179, require - Propeller Cone #850785-7, Spacer Ring #851261-8, Washer #850888-9, allen bolt #850889-7 & Thrust Washer #839534-5. (Prior serial numbers require an additional washer #897367-9.)

Standard Hub Propellers are not for use with V-6 diesel engines.

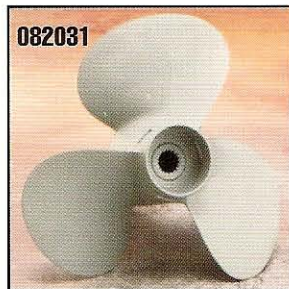
Propeller Hardware is available thru Michigan Wheel or Volvo Distributors Note: Michigan p/n #082001 & 082002 are Long Hub, Volvo Equiv. is Standard Hub

* 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.



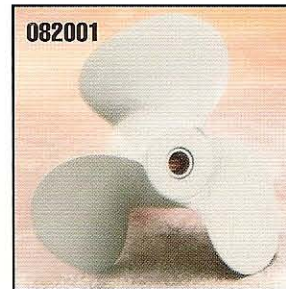
082031

Volvo Standard Hub
Aluminum



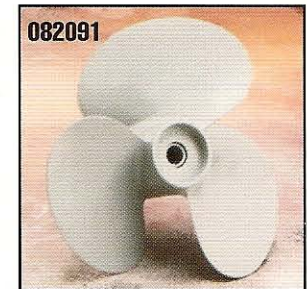
082026

Volvo Standard Hub
Aluminum



082001

Volvo Long Hub
Aluminum



082091

Volvo Long Hub
Aluminum

Volvo-Penta 100 - 110: Eaton Model B: (Pin Drive)			
Motor & Model	Blds.	Dia. x Pitch	Aluminum LH P/N
HP Range: 110 to 150	3	14 x 12	082045
Suggestion: For twin installation increase pitch 2"	3	14 x 10	082057

Volvo Penta® is a trademark of AB Volvo. SX Cobra® and Volvo Penta SX® are trademarks of Volvo Penta Marine Products L.P. Cobra® is a trademark of the Outboard Marine Corporation.

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	PJ62	012040	.6	PM614C	031018	.8,10,12	SMC346	082031	.20
AMC308	072014	.8,13	PJ7	012004	.6	PM615C	031019	.8,10,12	SMC347	082032	.20
AMC422	012068	.6	PJ74	012042	.6,16	PM617C	031020	.8,10,12	SMC348	082033	.20
AMC490	152002	.8,13	PJ75	012043	.6,16	PM8	032014	.10	SMC349	082034	.20
AMC580S	032077	.10	PJ76	012044	.6,16	PR115	012089	.6,16	SMC374C	031035	.19
DQ320	012074	.7	PJ77	012045	.6,16	PR118	012090	.6,16	SMC376C	031036	.19
DQ328	012075	.7	PJ8	012005	.6	PR120	012091	.6,16	SMC378C	031037	.19
EWC19	012076	.6,9	PJ83C	011005	.7,17	PR122	012092	.6,16	SMC380C	031038	.19
G20	072017	.8,13	PJ87	012047	.7,17	PR124	012093	.6,16	SMC382C	031039	.19
G30	152014	.8,13	PJ88C	011001	.7,17	PR126	012094	.6,16	SMC39	012102	.6,9,12,14
NP74	302001	.6,16	PJ89C	011002	.7,17	PR151	032089	.10,19	SMC504C	031034	.19
PC112	072123	.8,13	PJ9	012006	.6,9	PR153	032090	.10,19	SMC606	082087	.20
PC12	072024	.8,13	PJ90C	011003	.7,17	PR155	032091	.10,19	SMC921	082045	.20
PC20	072026	.8,13	PJ91C	011004	.7,17	PR155C	031001	.10	SMC980	082057	.20
PC24	072121	.8,13	PJ94	012053	.6	PR157	032092	.10,19	SPC180	072107	.8
PC28	072122	.8,13	PJ95	012054	.6	PR157C	031002	.10	SPC182	072108	.8
PJ10	012007	.6	PJ96	012055	.6	PR159	032093	.10,19	SPC184	072109	.8
PJ11	012008	.6,12,13,14	PJ97	012056	.6	PR159C	031003	.10	SSC315IIC	073002	.8
PJ15	012010	.6,12,14	PJ98	012057	.6	PR161	032094	.10,19	SSC317IIC	073003	.8
PJ16	012011	.6,12,13,14	PM19	032019	.10	PR161C	031004	.10	SSC319IIC	073004	.8
PJ18	012013	.6,12,14	PM20	032020	.10	PR276	072054	.8	SSM212C	033001	.8,10,12
PJ19	012109	.6,9	PM21	032021	.10	PR278	072055	.8	SSM245C	033002	.11,13,14,18
PJ199C	011015	.7,17	PM211C	031021	.11,13,14,18	PR33	032084	.10,19	SSM247C	033003	.11,13,14,18
PJ200C	011016	.7,17	PM213C	031022	.11,13,14,18	PR339	032099	.10	SSM249C	033004	.11,13,14,18
PJ201C	011006	.7,17	PM215C	031023	.11,13,14,18	PR35	032085	.10,19	SSM251C	033005	.11,13,14,18
PJ202C	011007	.7,17	PM217C	031024	.11,13,14,18	PR37	032086	.10,19	SSM253C	033006	.11,13,14,18
PJ203C	011008	.7,17	PM219C	031025	.11,13,14,18	PR39	032087	.10,16	SSM350C	033007	.19
PJ204C	011009	.7,17	PM221C	031026	.11,13,14,18	PR78	072032	.8	SSM354C	033008	.19
PJ205C	011010	.7,17	PM223C	031027	.11,13,14,18	PR80	072033	.8	SSM358C	033009	.19
PJ21	012014	.6,9	PM22C	031047	.10,12	PR82	072034	.8	SSM615C	033016	.8,9,10,12,14
PJ22	012015	.6	PM23C	031048	.10,12	PY315C	101001	.14	SSM617C	033017	.8,9,10,12,14
PJ24	012016	.6	PM24C	031049	.10,12	PY317C	101003	.14	SSM619C	033018	.8,9,10,12,14
PJ29	012021	.6	PM315C	031041	.8,9,10,12,14	PY319C	101005	.14	SSM621C	033019	.8,9,10,12,14
PJ3	012001	.6	PM317C	031042	.8,9,10,12,14	PY321C	101007	.14	SSO315C	013010	.6,15
PJ30	012022	.6	PM319C	031043	.8,9,10,12,14	PY415C	101010	.14,19	SSV171C	083001	.20
PJ300	012060	.6	PM321C	031044	.8,9,10,12,14	PY417C	101011	.14,19	SSV172C	083002	.20
PJ31	012023	.6	PM323C	031045	.8,9,10,12,14	PY419C	101012	.14,19	SSV191C	083003	.20
PJ32	012024	.6	PM39	022001	.12,14	PY421C	101013	.14,19	SSV192C	083004	.20
PJ35	012025	.6	PM40	022002	.12,14	SMC18	012101	.6,12,14	SSV211C	083005	.20
PJ40	012026	.6	PM42	022003	.12,14	SMC292	082022	.20	SSV212C	083006	.20
PJ41	012027	.6,16	PM513	032039	.9,10,14,16	SMC293	082021	.20	SSY615C	103025	.14,15
PJ42	012028	.6	PM515	032040	.9,10,14,16	SMC295	082023	.20	SSY617C	103026	.14,15
PJ45	012030	.6	PM518	032041	.9,10,14,16	SMC338	082025	.20	SSY619C	103027	.14,15
PJ47	012031	.6	PM521	032042	.9,10,14,16	SMC339	082026	.20	SSY621C	103028	.14,15
PJ49	012032	.6	PM524	032043	.9,10,14,16	SMC340	082059	.20	SSY717C	103018	.14,19
PJ50	012033	.6,8,13	PM527	032044	.9,10,14,16	SMC341	082060	.20	SSY719C	103020	.14,19
PJ58	012036	.6	PM530	032045	.9,10,14,16	SMC342	082027	.20	SSY721C	103022	.14,19
PJ59	012037	.6	PM600C	031015	.8,10,12	SMC343	082028	.20			
PJ60	012038	.6	PM612C	031016	.8,10,12	SMC344	082029	.20			
PJ61	012039	.6	PM613C	031017	.8,10,12	SMC345	082030	.20			

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, 17	203682	012001	.6	376841	012109	.6		
174812	VIPER™(LH)	.013071	.7, 17	203919	012001	.6	376917	012028	.6		
174813	VIPER™(LH)	.013073	.7, 17	204347	012001	.6	376968	012060	.6		
174814	VIPER™	.013068	.7, 17	277212	012076	.6	377410	012023	.6		
174815	VIPER™	.013070	.7, 17	277440	012060	.6	377632	012060	.6		
174816	VIPER™	.013072	.7, 17	277443	012076	.6	377635	012008	.6		
174889	VIPER™	.013066	.7, 17	277580	012024	.6	377636	012011	.6		
174890	VIPER™(LH)	.013067	.7, 17	277581	012024	.6	377978	012044	.6, 16		
174926	SST II®	.013052 .013064	.7, 17	277583	012076	.6	378039	012045	.6, 16		
174927	SST II® (LH)	.013051 .013065	.7, 17	277595	012109	.6	378040	012043	.6, 16		
174950		.012111	.6	277599	012011	.6	378571	012026	.6		
175190		.012055	.6	277617	012028	.6	378579	012028	.6		
175191		.012056	.6	277759	012008	.6	378580	012024	.6		
176214		.011024 .013077	.7, 17	277896	012033	.6	378581	012023	.6		
176215		.011025 .013078	.7, 17	278155	012033	.6	379260	012042	.6, 16		
176216		.011026 .013079	.7, 17	278194	012026	.6	379717	012109	.6		
176421		.011027	.6	375605	012109	.6	380104	012004	.6		
176422		.011028	.6	376072	012060	.6	380637	012024	.6		
176423		.011029	.6	376506	012076	.6	380958	012005	.6		
176572	SST II®	.013077	.7, 17	376732	012024	.6	381185	012091	.16		
176573	SST II®	.013078	.7, 17	376735	012109	.6	381186	012092	.16		
176574	SST II®	.013079	.7, 17	376737	012076	.6	381187	012093	.16		
203120		.012001	.6	376777	012060	.6	381446	012044	.6, 16		
				376805	012011	.6	381801	012011	.6		

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Evinrude, Johnson, OMC (Continued)				390850	SST®	.013010	.6	48-16990A40	QSS™	.033018	.033086	.8
382017	.012090		.6, 16	390851	SST®	.013026	.6	48-16990A45	Vengeance	.033018	.033086	.8
382676	.012089		.6, 16	390852	SST®	.013032	.6, 15	48-16992A40	QSS™	.033019	.033087	.8
382761	.012047		.7, 17	390896		.011004	.013078	48-16992A45	Vengeance	.033019	.033087	.8
382762	.011001		.7, 17	391096		.012031		48-19638A40		.031049		.8
382763	.011002	.013076	.7, 17	391198		.011002	.013076	48-19638A45	Black Max™	.031049		.8
382764	.011003	.013077	.7, 17	391199		.011003	.013077	48-19640A40		.031048		.8
382765	.011004	.013078	.7, 17	391200		.011007	.013066	48-19640A45	Black Max™	.031048		.8
382766	.011005	.013079	.7, 17	391201		.011008	.013068	48-19642A40		.031047		.8
383287	.012094		.16	391202		.011009	.013070	48-19642A45	Black Max™	.031047		.8
383315	.012008		.6	391203		.011010	.013072	48-42738A10	Black Max™	.032141		.8
383629	.012011		.6	391290	SST II®	.013044	.013066	48-42740A10	Black Max™	.032142		.8
384139	SST®	.013030	.013077	391534		.012101		48-64724A 1		.031020		.8
384140		.011005	.013079	391535		.011006	.013064	48-64724A 4		.031020		.8
384141	SST®	.013034	.013079	391536		.011016		48-73132A 4		.031015		.8
384142	SST®	.013033	.013078	391668		.011001		48-73132A40		.031015		.8
384144	SST®	.013028	.013076	394752	Raker®		.013066	48-73132A45	Black Max™	.031015		.8
384460		.012028		394753	Raker®		.013068	48-73134A 4		.031016		.8
384702	SST®	.013034	.013079	394754	Raker®		.013070	48-73134A40		.031016		.8
385319		.012005		394755	Raker®		.013072	48-73134A45	Black Max™	.031016		.8
385940		.012008		394756	Raker®		.013074	48-73136A 4		.031017		.8
385955		.012023		394758	Raker®		.013077	48-73136A40		.031017		.8
386118		.012111		394759	Raker®		.013078	48-73136A45	Black Max™	.031017		.8
386317		.012054		394760	Raker®		.013079	48-73138A 4		.031018		.8
386637		.012055		398126		.012112		48-73138A40		.031018		.8
386669		.012113		398502	Raker® (LH)		.013069	48-73138A45	Black Max™	.031018		.8
386786		.012038		398503	Raker® (LH)		.013071	48-73140A 4		.031019		.8
386841		.012039		398504	Raker® (LH)		.013073	48-73140A40		.031019		.8
386907		.012036		398505	Raker® (LH)		.013075	48-73140A45	Black Max™	.031019		.8
386908		.012040		431717	SHOOTER®		.013036	48-73144A 4		.031020		.8
386909		.012037		431718	SHOOTER®		.013038	48-73144A40		.031020		.8
386933		.012056		431719	SHOOTER®		.013040	48-73144A45	Black Max™	.031020		.8
386955		.012005		431930	SST II® (LH)	.013043	.013067	48-76230A 4	QSS™	.033028		.8
386980	SST®	.013026		591389		.012060		48-76230A 5	QSS™	.033028		.8
386981	SST®	.013010		591920		.012024		48-76230A45	Vengeance	.033028		.8
386982	SST®	.013024		591925		.012076		48-77338A40		.031054		.8
387158		.011016		591978		.012060		48-77338A45	Black Max™	.031054		.8
387159		.011006	.013064	592038		.012076		48-77340A40		.031055		.8
387160		.011007	.013066	592063		.012060		48-77340A45	Black Max™	.031055		.8
387161		.011008	.013068	592959		.012076		48-77342A40		.031041	.033084	.8
387162		.011009	.013070	3850299		.161001	.163012	48-77342A45	Black Max™	.031041	.033084	.8
387163		.011010	.013072	3850300		.161002	.163014	48-77344A40		.031042	.033085	.8
387320		.012053		3850301		.161003	.163016	48-77344A45	Black Max™	.031042	.033085	.8
387334		.012008		3850302		.161004	.163018	48-77346A40		.031043	.033086	.8
387519	SST®	.013046	.013068	3850305		.163002	.163012	48-77346A45	Black Max™	.031043	.033086	.8
387520	SST®	.013048	.013070	3850307		.163004	.163014	48-77348A40		.031044	.033087	.8
387636		.012056		3850308		.163006	.163016	48-77348A45	Black Max™	.031044	.033087	.8
388088		.012013		3850309		.163008	.163018	48-77350A40		.031045		.8
388294		.012102		3850310		.163010	.163020	48-77350A45	Black Max™	.031045		.8
388883		.012016		3850311	VIPER™		.163014	48-79792A 4	QSS™	.033001		.8
389019	SST II®	.013050	.013072	3850312	VIPER™		.163016	48-79792A 5	QSS™	.033001		.8
389029	SST®	.013032		3850313	VIPER™		.163018	48-79792A45	Vengeance	.033001		.8
389068		.012021		3850314	VIPER™		.163020	48-816702A40		.031056		.8
389069		.012015		3850315	(LH)	.163001	.163013	48-816702A45	Black Max™	.031056		.8
389510	SST II®	.013033	.013078	3850316	(LH)	.163003	.163015	48-816704A40		.031057		.8
389512	SST II®	.013034	.013079	3850317	(LH)	.163005	.163017	48-816704A45	Black Max™	.031057		.8
389619		.012015		3850318	(LH)	.163007	.163019	48-816706A40		.031058		.8
389627		.012101		3850319	(LH)	.163009	.163021	48-816706A45	Black Max™	.031058		.8
389788		.011005	.013079	3850320	VIPER™ (LH)		.163015	48-819334A40		.072133		.8, 13
389855		.012023		3850321	VIPER™ (LH)		.163017	48-819335A40		.072132		.8, 13
389923	SST II®	.013048	.013070	3850322	VIPER™ (LH)		.163019	48-819336A40		.072131		.8, 13
389924	SST II®	.013046	.013068	3850323	VIPER™ (LH)		.163021	48-819337A40		.072014		.8, 13
389944		.012030		3855142	Raker®		.163016	48-819337A45		.072014		.8, 13
389948	SST II®	.013030	.013077	3855144	Raker®		.163018	48-85632A40		.031053		.8
389949	SST II®	.013028	.013076	3855146	Raker®		.163020	48-85632A45	Black Max™	.031053		.8
390113	SST®	.013033	.013078	3855148	Raker®		.163022	48-FP19		.072017		.8, 13
390114	SST®	.013030	.013077	3855152	Raker® (LH)		.163017	48-FP372		.072033		.8
390237		.012032		3855154	Raker® (LH)		.163019	48-FP488		.072123		.8, 13
390380		.012057		3855156	Raker® (LH)		.163021	48-FP6430		.072026		.8, 13
390821	SST II® (LH)	.013045	.013069	3855158	Raker® (LH)		.163023	48-FP669-1		.071035		.8
390822	SST II® (LH)	.013047	.013071	Force, US Marine, Chrysler				48-FP669-2		.071035		.8
390823	SST II® (LH)	.013049	.013073	48-16986A 5	QSS™	.033016	.033084	48-FP669-3		.071035		.8
390830		.012031		48-16986A45	Vengeance	.033016	.033084	48-FP685-1		.071036		.8
390833		.012024		48-16988A40	QSS™	.033017	.033085	48-FP685-2		.071036		.8
390849	SST®	.013024		48-16988A45	Vengeance	.033017	.033085	48-FP685-3		.071036		.8

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48-FP686-3	.071037		.8	FPS623		.072107	.8	48-13700A45	Mirage®Plus	.033030	.11, 13, 18	
48-FP686-4	.071037		.8	FPS625		.072108	.8	48-13701A40	Mirage®(LH)	.033029	.11, 13, 18	
48-FP692-1	.072127		.8	FPS626		.072109	.8	48-13701A41	Mirage®(LH)	.033029	.11, 13, 18	
48-FP692-2	.072127		.8	FPS654		.072108	.8	48-13701A45	Mirage®Plus(LH)	.033029	.11, 13, 18	
48-FP692-3	.072127		.8	FPS686		.072129	.8	48-13702A40	Mirage®	.033032	.11, 13, 18	
48-FP694	.071038		.8	FS501265		.072054	.8	48-13702A41	Mirage®	.033032	.11, 13, 18	
48-FP70	.072024	.8, 13		TA2034	Black Diamond	.031041	.033084	48-13702A45	Mirage®Plus	.033032	.11, 13, 18	
FA282265	.072132	.8, 13		TA2036	Black Diamond	.031042	.033085	48-13703A40	Mirage®(LH)	.033031	.11, 13, 18	
FA287265	.072131	.8, 13		TA2038	Black Diamond	.031043	.033086	48-13703A41	Mirage®(LH)	.033031	.11, 13, 18	
FA378265	.072132	.8, 13		TA2040	Black Diamond	.031044	.033087	48-13703A45	Mirage®Plus(LH)	.033031	.11, 13, 18	
FP273	.072133	.8, 13		TA2060T	Black Diamond	.032141	.8	48-13704A40	Mirage®	.033034	.11, 13, 18	
FP274	.072014	.8, 13		TA2064T	Black Diamond	.031015	.8	48-13704A41	Mirage®	.033034	.11, 13, 18	
FP276	.072014	.8, 13		TA2070T	Black Diamond	.031053	.8	48-13704A45	Mirage®Plus	.033034	.11, 13, 18	
FP277	.072131	.8, 13		TA2072T	Black Diamond	.031056	.8	48-13705A40	Mirage®(LH)	.033033	.11, 13, 18	
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FP378	.072132	.8, 13		58110-ZV4-DT15		.112004	.9	48-16315A 4	QSS™(LH)	.033075	.11, 13, 18	
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FP389	.072032	.8		58130-ZV4-010ZA		.102005	.9	48-16315A5	QSS™(LH)	.033075	.11, 13, 18	
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FP472	.072122	.8, 13		58130-ZV4-700ZA		.102004	.9	48-16316A5	QSS™	.033004	.033076	.11, 13, 18
FP501	.072054	.8		58130-ZV4-701ZA		.102004	.9	48-16317A 4	Vengeance	.033004	.033076	.11, 13, 18
FP509	.073008	.8		58130-ZV4-702ZA		.102003	.9	48-16317A 5	QSS™(LH)	.033077	.11, 13, 18	
FP510	.073004	.8		58130-ZV4-702ZA		.102004	.9	48-16317A 5	QSS™(LH)	.033077	.11, 13, 18	
FP511	.073010	.8		58130-ZV4-703ZA		.102004	.9	48-16317A5	Vengeance(LH)	.033077	.11, 13, 18	
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FP523	.072107	.8		58130-ZV5-000ZA		.032042	.9	48-16318A 5	QSS™	.033005	.033078	.11, 13, 18
FP524	.072108	.8		58130-ZV5-850ZA		.032043	.9	48-16318A5	Vengeance	.033005	.033078	.11, 13, 18
FP526	.072109	.8		58130-ZV5-860ZA		.032045	.9	48-16319A 4	QSS™(LH)	.033079	.11, 13, 18	
FP539	.073003	.8		58130-ZV5-870ZA		.032040	.9	48-16319A 5	QSS™(LH)	.033079	.11, 13, 18	
FP540	.073004	.8		58130-ZW1-W01		.033017	.033085	48-16319A5	Vengeance(LH)	.033079	.11, 13, 18	
FP623	.072107	.8		58130-ZW1-W11		.033018	.033086	48-16320A 4	QSS™	.033006	.033080	.11, 13, 18
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FP665	.071035	.8		58130-ZW1-W11ZA		.031055	.9	48-16321A 4	QSS™(LH)	.033081	.11, 13, 18	
FP668	.073008	.8		58130-ZW1-W21ZA		.031041	.033084	48-16321A 5	QSS™(LH)	.033081	.11, 13, 18	
FP669	.071035	.8		58130-ZW1-W31ZA		.031042	.033085	48-16321A5	Vengeance(LH)	.033081	.11, 13, 18	
FP669-1	.071035	.8		58130-ZW1-W41ZA		.031044	.033087	48-16322A 4	QSS™	.033082	.11, 13, 18	
FP682	.072127	.8		58130-ZW1-W51ZA		.031045	.9	48-16438A40		.031050	.033072	.11, 13, 18
FP685	.072128	.8		58130-ZW1-W61ZA		.031043	.033086	48-16440A40	Block Max™	.031051	.033074	.11, 13, 18
FP685-1	.072128	.8		58130-ZW1-W91		.033016	.033084	48-16440A45	Block Max™	.031051	.033074	.11, 13, 18
FP686	.072129	.8		Mercury, Mariner, Mercruiser				48-16543A40	Laser II™(LH)	.033077	.11, 13, 18	
FP686-1	.071037	.8		48-11070A40	Laser™		.033078	48-16543A41	Laser II™(LH)	.033077	.11, 13, 18	
FP686-2	.072129	.8		48-11074A40	Laser™		.033080	48-16543A45	Laser II™(LH)	.033077	.11, 13, 18	
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FP692-1	.072127	.8		48-11322A40		.031051	.033074	48-16544A41	Laser II™	.033076	.11, 13, 18	
FP694	.071038	.8		48-11324A40		.031052	.033076	48-16544A45	Laser II™	.033076	.11, 13, 18	
FP695	.073009	.8		48-11324A45		.031052	.033076	48-16545A40	Laser II™	.033079	.11, 13, 18	
FP696	.073010	.8		48-13242A 5	Mirage®	.033052	.18	48-16545A41	Laser II™(LH)	.033079	.11, 13, 18	
FP699	.073007	.8		48-13242A 50	Mirage®	.033052	.18	48-16545A45	Laser II™(LH)	.033079	.11, 13, 18	
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FPM756	.031015	.8		48-13245A 5	Mirage®(LH)	.033055	.18	48-16547A41	Laser II™(LH)	.033081	.11, 13, 18	
FPS501	.072054	.8		48-13245A 50	Mirage®(LH)	.033055	.18	48-16547A45	Laser II™(LH)	.033081	.11, 13, 18	
FPS509	.073008	.8		48-13246A 5	Mirage®	.033056	.18	48-16548A40	Laser II™	.033080	.11, 13, 18	
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FPS523	.072107	.8		48-13248A 5	Mirage®	.033058	.18	48-16549A41	Laser II™(LH)	.033083	.11, 13, 18	
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48-16986A45	Vengeance	.033016	.033084	48-36014A4	.031037	.033076	.19	48-61812A 4	.032045		.10	
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48-16988A45	Vengeance	.033017	.033085	48-36016A 4	.031036	.033074	.19	48-61814A 4	.032044		.10	
48-16990A40	Laser II™	.033018	.033086	48-36016A1	.031035	.033072	.19	48-61816A 1	.032043		.10	
48-16990A45	Laser II™	.033018	.033086	48-36016A4	.031036	.033074	.19	48-61816A 4	.032043		.10	
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48-16992A45	Laser II™	.033019	.033087	48-36018A 4	.031035	.033072	.19	48-61818A 4	.032042		.10	
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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)		
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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 gear-box 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.

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

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.

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

Precision balanced blades significantly reduce vibration.

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.

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

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