



## THE PERFORMANCE OF A LIFETIME

Want to see what your Yamaha is capable of? Push its performance — and your boating experience — to the next level with Genuine Yamaha accessories. From propellers and

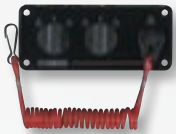
lubricants, to care products and oil filters, they are all designed specifically to enhance the performance and extend the life of your Yamaha outboard. The very same engineers that designed your Yamaha outboard are the minds behind our full line of Genuine Yamaha accessories. Because they have access to proprietary information on Yamaha

outboards, they're able to create superior lubricants, advanced filtration products and perfectly engineered props — products that enhance the performance of your engine and far exceed the results achieved by other "off-the-shelf" brands. And of course, these products are available exclusively from authorized Yamaha dealers.

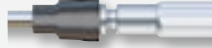
### — THE YAMAHA COMPONENTS FOR A PERFECTLY MATCHED SYSTEM —



Analogue or Digital Gauges



Ignition Switches



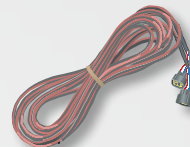
Control Cables



Genuine Yamaha Propellers



Single and Twin Controls



Wiring Harnesses



Fuel Filters



Lubricants & Cleaners

*Consult your Yamaha Dealer to help ensure you select the proper parts for your boat and motor application. Additional parts may be required.*



## THE NEW POWERMATCHED™ SYSTEM LIMITED WARRANTY YAMAHA RELIABILITY FROM STEM TO STERN

### INNOVATION / RELIABILITY / CONVENIENCE

Put a PowerMatched™ System in your new boat, and you'll not only maximize your boat's reliability and performance, you'll have the added confidence of Yamaha's new PowerMatched System Limited Warranty. The warranty on your entire power system will match the length of your outboard's warranty — a full three years on Yamaha four-strokes and V MAX® Series 2 HPDI, and two years for all other Yamaha outboards.

The Yamaha PowerMatched System Limited Warranty is available on new boat purchases only, at authorized participating dealers and boat partners nationwide. Simply have these key components installed: Yamaha gauges, key switches, remote controls, wiring harnesses, fuel filters, and control cables. Unlike aftermarket alternatives, they're designed by Yamaha exclusively for Yamaha outboards. They're engineered to fit together, and to work together. And they're always manufactured from the finest materials, to Yamaha's stringent quality standards.

Want to get the most from your boating investment? Demand the peace of mind and protection you deserve for your boat and your Yamaha outboard.

Insist on the Yamaha PowerMatched System with your Yamaha outboard and have the confidence of a PowerMatched System Limited Warranty that matches the length of your outboard warranty.

**Custom Deluxe Outboard Motor Covers**

Super heavy-duty protection for your Yamaha outboard's cowling. Constructed of ultra-durable SurLast™ solution-dyed polyester fabric for the ultimate protection against fading and the elements. It is also non-abrasive, water-repellent, and resistant to UV, mildew and rot. Cover has a soft fabric inner liner for added paint protection, and screened-in factory logos for unmatched style. Includes a snap-buckle strap and stretch cord for a snug fit.

**1. Four-Stroke Logo**

a. Fits F350, F300 V8

**MAR-MTRCV-FS-35** . . . . . \$135.95

Fits 4.2L, V6 Off-Shore (not shown)

**MAR-MTRCV-FS-2L** . . . . . TBA

b. Fits F250 3.3L

**MAR-MTRCV-11-25** . . . . . \$139.95

Fits F200, F225 3.3L

**MAR-MTRCV-11-00** . . . . . \$187.00

Fits F150

**MAR-MTRCV-1C-15** . . . . . \$139.95

**2. V MAX SHO Logo**

Fits V MAX SHO models

**MAR-MTRCV-ER-SH** . . . . . \$131.95

**Deluxe Outboard Motor Covers**

Constructed of 600-denier, solution-dyed polyester for durability and fade resistance.

**3. Four-Stroke Logo**

Fits F30, F40, F50, T50

**MAR-MTRCV-ER-30** . . . . . \$60.95

Fits F60, T60

**MAR-MTRCV-11-80** . . . . . \$60.95

Fits F70, F75, F80, F90, F100, F115

**MAR-MTRCV-11-50** . . . . . \$72.95

**4. Yamaha Logo**

Fits 6~25, F4~F9.9, F15 ('98~'06), T8, T9.9

**MAR-MTRCV-ER-10** . . . . . \$36.95

Fits F15 ('07~current), F20

**MAR-MTRCV-ER-15** . . . . . \$51.95

Fits 30~70, F20, F25, T25

**MAR-MTRCV-ER-20** . . . . . \$39.95

Fits 75~90

**MAR-MTRCV-ER-40** . . . . . \$61.95

Fits 115, 130

**MAR-MTRCV-ER-60** . . . . . \$64.95

Fits 150~200

**MAR-MTRCV-ER-70** . . . . . \$50.95



## CHOOSING THE RIGHT PROPELLER

The propeller is one of the most important items on your boat. The choice of a propeller can significantly affect your boat's performance in terms of top speed, acceleration, fuel economy and engine life. The propeller choice becomes increasingly important the higher you go in engine horsepower and potential top speed. Although there are basic propeller selection guidelines, the best propeller for your boat can only be determined after trying various propellers. Your dealer, or the boat manufacturer, may have already evaluated different propellers with your boat/motor combination, or with a similar one, which determines the "best" propeller. These evaluations provide you with an excellent starting point. Remember, however, that your operating conditions and requirements could be different than the conditions during evaluation, so a different propeller may actually be better for you. To pick a propeller for your boat, follow the guidelines below (also see Propeller Basics).

### > Propeller Selection

**Propeller Series** Choose a propeller from the right Propeller Series for your engine. Obviously, a propeller designed to fit a large V6 will not fit a mid-size engine. The propeller selection charts on the following pages are grouped by the engines that can use the same propeller.

**Propeller Type** Choose the type of propeller, its material and construction, which meets your needs. This often means finding the best balance between cost and the performance level desired. Aluminum propellers are less expensive than steel propellers, but generally deliver lower performance and aren't as durable. Propellers designed for specific applications, like the Saltwater Series props, are often highly polished stainless steel. They usually cost more, but produce better performance than conventional steel types. (See Yamaha propeller types, page 8 to 15)

**Expected Boat Top Speed** The expected top speed of a boat can usually be determined by asking the dealer or boat manufacturer. Note that some boat speedometers produce optimistic (higher than actual) speed readings. The Yamaha multifunction digital speedometer is one of the most accurate speedometers available and is a good source as a speed reference.

**Speed Range** Choose a propeller with a pitch that allows engine rpm to reach the upper end of the recommended full-throttle operating range found in your Owner's Manual. The propeller you select should be a good starting point for further evaluation. This will produce less strain on the engine and better performance when additional cargo is added to the boat — especially as the boat ages.

### > Propeller Basics

**Propeller Size** Referred to by a series of two numbers, such as "14 x 17". These numbers correspond to the diameter and pitch, respectively. Generally, the pitch, the second number, is the more important specification.

**Pitch** Pitch is described in inches and is the distance the propeller would theoretically travel without slippage during one full revolution. Most pitches fall between 5 and 35 inches. To understand pitch, visualize the outboard mounted in the boat while looking at the propeller from either the port or starboard side. The angle of the blade in relation to the hub determines how much pitch the propeller has. A blade that is exactly perpendicular to the hub (90° from the prop shaft) will have zero inches of pitch. A shallow angle produces a low number in inches of pitch. The effect of low pitch is similar to low gears in a car's transmission: greater low-speed pulling power and acceleration, with low top-end speed. A propeller with high pitch is similar to the car's higher gears: a greater top-end speed, but reduced low-end performance. Typically, increasing the pitch by 2 inches with the same type of propeller will drop engine speed by approximately 400 rpm to achieve the same boat speed. The reverse is also true. Even though a boat and engine combination may be able to use a high-pitch propeller, choose a lower pitch if a heavy load use is expected, such as pulling a water skier.

**Diameter** Diameter is twice the distance from the centreline of the hub to the tip of the blade as the propeller rotates, or the width of the circle described by the blades. Points to consider when choosing the propeller diameter:

- The propeller must physically fit the specified outboard.
- Smaller diameter propellers have reduced drag and perform better at high speed.
- A larger diameter demands a higher horsepower.
- Typically, a larger diameter propeller allows for higher mounting heights because the propeller reaches deeper into the water. Therefore, if you have a 225hp outboard on a large, heavy boat, a good choice would be a 15-3/4 x 13 prop. The same engine on a light, fast bass boat would be better fitted with a 14-1/2 x 25 prop.

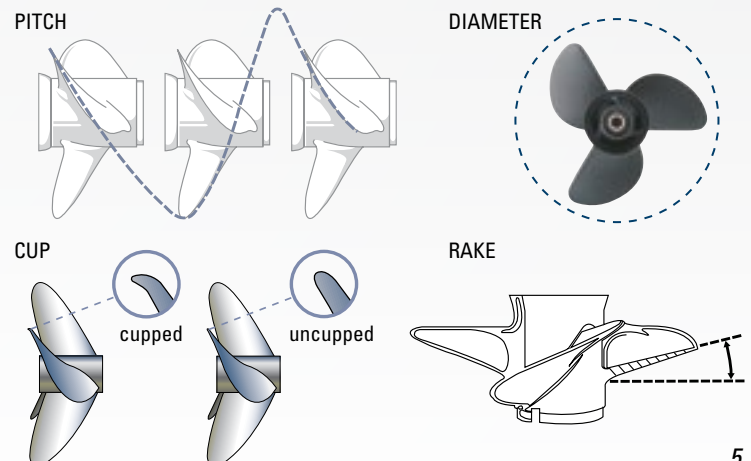
**Cup** Cup is the small curved lip on the blade tip and trailing edge. Cupping permits the prop to get a better bite. It reduces ventilation (propeller slip caused by air on the surface of the blade) and slippage, which allows higher motor mounting on the transom for more speed and less drag. You can also trim out farther for greater bow lift.

**Rake** The rake is the angle at which propeller blades are mounted in relation to the centreline of the hub (90° from the pitch angle). During operation, a propeller with a high rake angle will tend to hold the water on the blade at high engine-mounting heights and therefore be less likely to ventilate. A high rake angle will also produce thrust that tends to pull the stern down and lift the bow of the boat.

**Number of Blades** Some propellers have three blades, while others have four. Which should you choose? Generally, a 3-blade propeller provides good performance in most circumstances. A 4-blade propeller, however, can provide better performance in rough water or with high engine-mounting heights (such as Flats boats). This is because a 4-blade propeller has more blades to hold the water when air may be present in the water, which is more common in rough water or with a high engine-mounting height. Keep in mind that the load on the engine is determined by the total blade area and the pitch of the blade. A 4-blade propeller will increase the load on the engine compared to a 3-blade propeller. To compensate for this, a 4-blade will require a slightly smaller diameter, a higher engine-mounting height than a comparable 3-blade propeller, or a special design. For example, the Yamaha Performance Series 4-blade propellers for 150hp and greater engines have a special design that uses a smaller exhaust tube than normal for a V6. This allows exhaust gases to pass between the propeller hub and the gearcase during low speed acceleration, reducing the effective blade area and improving acceleration.

### > Why a Yamaha Propeller?

Yamaha propellers are designed with a sophisticated CAD/CAM computer system and are extensively tested to match a Yamaha engine's power characteristics. Other propeller manufacturers simply do not have the Yamaha engine details necessary to design propellers which so exactly match engine design. While it is true that our propellers undergo far more extensive testing than some think necessary, we believe that when you purchase the finest outboard available, you should expect the finest propeller.





### THE EVOLUTION OF THE PROP

As our legendary line of outboards continues to evolve, so does our line of propellers. Tapping into proprietary information, Yamaha's engineers continue to design and refine props that push the performance of both existing and emerging marine technology to previously unimaginable levels. In our continuing dedication to developing the perfect propeller for each outboard and boating application, Yamaha is excited to announce three new additions to its line of superior prop technology, the Saltwater Series II SDS, 4-Blade XL and the V MAX Ventless. Made of the highest-quality stainless steel, they're designed for marine-tough durability and superior performance, and will no doubt be valuable additions to our lineup, and ultimately, your boating experience. Want to see what your outboard is capable of? Pair it with a flawlessly engineered and meticulously manufactured Yamaha propeller.

### THE SCIENCE BEHIND THE SPEED

Even the slightest variance in the degree of rake, pitch, cup and diameter of a prop's blades can have a startling effect on your outboard's performance, handling and fuel efficiency. By manipulating these design elements, Yamaha engineers are able to create props that perfectly harness the power of our outboards. Your outboard's performance relates directly to the design of your propeller. Is it made of stainless steel, aluminum or plastic? Does it feature three blades or four? By varying these elements, Yamaha engineers create props that are perfectly fitted to specific outboards and boating applications. And different applications demand different performance characteristics from their props. Whether you're offshore angling, chasing bass or taking a leisurely pontoon ride, your Yamaha dealer can help you select a prop that will enhance your outboard's performance and your boating experience.



#### SALTWATER SERIES II™ — SHIFT DAMPENER SYSTEM (SDS)

This series greatly reduces shifting noise. It's so impressive there is a patent pending. Using a special new design and high-strength components, much of the resulting force of an outboard shifting into forward or reverse gear is absorbed, resulting in far quieter and smoother operation. With their aggressive rake and extra cupping on the blades, SWS II props are renowned for their durability and superior mid-range fuel efficiency on large offshore boats, along with excellent anti-ventilation characteristics for better handling in rough seas. Available in 13", 15", 17", 19", 21", and 23" right- and left-hand rotations.



#### V MAX VENTLESS SERIES

Designed exclusively to properly harness the awesome power of Yamaha's new V MAX® SHO™ four-stroke outboard. Perfect for bass and other lightweight high-speed boats powered by the new V MAX SHO outboard, these props are purposely designed for more acceleration, higher top-end speed and superior performance and handling when mated to these outboards. Available in 23", 25", 27", and 29" pitches in right-hand rotation only. *NOTE: Two-stroke outboards should be equipped with V MAX Vented Series propellers.*



#### PERFORMANCE XL4™ SERIES

Created for large offshore boats, such as express cruisers and walk-around models, which require massive thrust to plane and additional propeller 'grip' for maximum operational efficiency. Helping to harness the incredible power of Yamaha's 5.3L V8 outboards, these propellers offer outstanding acceleration, quick planing, and improved "grip" to help maintain plane at lower speeds and help eliminate ventilation, particularly in turns and following seas. Available in 15" and 17" pitches and in both right- and left-hand rotation. *NOTE: These propellers will only fit Yamaha's line of V8 outboards.*

**SALTWATER SERIES HS4**

Intended for use with our V6 four-strokes and 200-300hp two-strokes in specific applications. Expect outstanding acceleration, improved "grip" to help maintain plane at lower engine speeds, and better resistance to ventilation in high seas. Available in 21", 22", and 23" pitches, in both right- and left-hand rotation.

**SALTWATER SERIES XL®**

Designed exclusively for Yamaha V8 outboards. They feature 21% more blade area than Saltwater Series II™, minimize ventilation and provide large, offshore boats with amazing power to plane, acceleration and top end. Available in five pitch sizes from 17" to 25", in both right- and left-hand rotation.

**SALTWATER SERIES II**

These propellers feature a large diameter, steep rake and added blade cup, for superior midrange fuel efficiency and reduced ventilation. That means improved cruising range and better handling in rough water. Available in 15", 17", 19" and 21" pitches (23" in Saltwater Series®), in both right- and left-hand rotation.

**PONTOON PERFORMANCE SERIES**

Features a notably larger blade area to provide the thrust and control larger pontoons demand, while adding "grip" and reducing ventilation in turns. Available in 9", 10", 11", 12" and 13" pitches. These props pair well with T50, T60, F75-F115 four-strokes and 60-130 hp two-strokes.

**RELIANCE® SERIES**

This series was initially designed for the popular F150, but provides excellent performance on outboards up to 300hp. The innovative blade design improves handling and turning and delivers more speed at all rpms, excellent anti-ventilation and better "grip" to boost bow lift and top-end speed.\* Available in 15" to 21" pitches in right-hand rotation and in 17" to 21" in left-hand rotation.

**V MAX® SERIES**

Delivers max muscle on bass and other lightweight high-speed boats. Expect superior handling and "grip," greater acceleration, improved bow lift and higher top-end speed than either our Pro Series or Performance XL Series props.

**PRO SERIES™**

A high rake, progressive pitch and aggressive cupping deliver excellent midrange and top-end performance. It's a popular choice for single-engine, high-speed boats that require "bow lift" and a high engine-mount. Available in three pitches in the 70-130hp range and in four pitches for 150-200hp Yamaha outboards. Right-hand rotation only.

**PERFORMANCE XL™ SERIES**

Another popular choice for bass boaters. Similar to the Pro Series, but features larger, thicker blades and a stronger hub for better performance in high-horsepower applications. Available in three pitches, right-hand rotation only.

**PAINTED STAINLESS STEEL SERIES**

A great all-purpose prop, its stainless steel construction allows for a blade that's thinner, more efficient and more durable than an aluminum propeller. Available in right- and left-hand rotation.

**ALUMINUM SERIES**

Light weight and lower cost makes an aluminum propeller a popular choice. It's important to remember that Yamaha aluminum propellers provide better performance with your Yamaha outboard. An aluminum prop also makes an excellent choice as a spare, in the event your primary prop becomes damaged.

**DUAL THRUST™ SERIES**

The answer for heavy loads such as sailboats and pontoons. There's even a High-Thrust™ with a large diameter and low pitch (14 x 11), designed especially for use with the Yamaha T50/T60 on a pontoon boat.

**PERFORMANCE 3- OR 4-BLADE**

A great option when Painted Steel doesn't agree with your application, but Pro and Reliance don't agree with your budget. Polished steel, Performance is more aggressive than Painted Steel, but not as aggressive as Pro or Reliance. Adjust your pitch accordingly. Available in 3- or 4-blade and in right- and left-hand rotation.

\*Compared to Yamaha's painted stainless steel propellers.  
Consult your Yamaha Dealer to help ensure you select the proper parts for your boat and motor application. Additional parts may be required.

**Prop Application: 2~15, F2.5~F20, T8~T9.9**

Model	Hub	Diameter	Pitch	Material	Series	Part Number
2	A	7 1/4	4	Plastic		6A1-45943-00-00
2	A	7 1/4	4 1/2	Aluminum		646-45944-01-00
2	A	7 1/4	5 1/2	Aluminum		646-45942-01-00
4	B	7 1/4	5	Aluminum	Shear pin type	644-45941-01-00
4	B	7 1/2	7	Aluminum	Shear pin type	6E0-45943-09-00
4	B	7 1/2	7	Aluminum	Shear pin type	6E0-45943-00-00
4	B	7 1/4	7 1/4	Aluminum	Shear pin type	6E0-45945-00-00
4	B	7 1/2	8	Aluminum	Shear pin type	6E0-45941-09-00
4	B	7 1/2	8	Aluminum	Shear pin type	6E0-45941-00-00
4, F4, F6 (6BX)	BA	7 1/2	6 1/2	Aluminum		6E0-45949-00-00
4, F4, F6 (6BX)	BA	7 1/2	7	Aluminum		6E0-45943-01-00
4, F4, F6 (6BX)	BA	7 1/2	8	Aluminum		6E0-45941-01-00
4, F4, F6 (6BX)	BA	7 1/4	8 1/4	Aluminum		6E0-45947-00-00
4, F4, F6 (6BX)	BA	7 1/4	8 1/4	Aluminum		6E0-45952-00-00
4, F4, F6 (6BX)	BA	7 1/2	9	Aluminum		6E0-45954-00-00
3, F2.5	BS	7 1/4	5	Aluminum		6L5-45949-00-00
3, F2.5	BS	7 1/4	5 1/2	Aluminum		6L5-45952-00-EL
3, F2.5	BS	7 1/4	6	Aluminum		6L5-45943-00-00
3, F2.5	BS	7 1/4	7 1/4	Aluminum		6L5-45945-00-00
3, F2.5	BS	7 1/4	8 1/4	Aluminum		6L5-45947-00-00
9.9, F9.9, 15, F15	J	9 1/2	6 1/2	Aluminum		683-45949-00-00
9.9, F9.9, 15, F15	J	9 1/4	8	Aluminum	Semi-Weedless	683-45947-00-00
9.9, F9.9, 15, F15	J	9 1/4	9	Aluminum	Semi-Weedless	683-45945-00-00
9.9, F9.9, 15, F15	J	9 1/4	9 3/4	Aluminum		683-45952-00-00
9.9, F9.9, 15, F15	J	9 1/4	10 1/2	Aluminum		683-45943-00-00
9.9, F9.9, 15, F15	J	9 1/4	12	Aluminum		683-45941-00-00
9.9, F9.9, 15, F15	J	9 3/4	6 1/2	Aluminum	Dual Thrust	683-W4592-02-00
9.9, F9.9, 15, F15	J	9 3/4	8	Aluminum	Dual Thrust	683-W4591-02-00
9.9, F9.9, 15, F15, F15 (6AK), F20	J	9 1/4	8	Aluminum		63V-45947-00-00
9.9, F9.9, 15, F15, F15 (6AK), F20	J1	9 1/4	9	Aluminum		63V-45945-10-00
9.9, F9.9, 15, F15, F15 (6AK), F20	J1	9 1/4	10	Aluminum		63V-45952-10-00
9.9, F9.9, 15, F15, F15 (6AK), F20	J1	9 1/4	11	Aluminum		63V-45943-10-00
9.9, F9.9, 15, F15, F15 (6AK), F20	J1	9 1/4	12	Aluminum		63V-45941-10-00
6, 8, F6, F8, F9.9 (6AU)	N	8 1/2	6 1/2	Aluminum		6G1-45947-00-00
6, 8, F6, F8, F9.9 (6AU)	N	8 1/2	7 1/2	Aluminum		6G1-45943-00-00
6, 8, F6, F8, F9.9 (6AU)	N	8 1/2	8	Aluminum		6G1-45952-00-00
6, 8, F6, F8, F9.9 (6AU)	N	8 1/2	8	Aluminum		6G1-45952-00-00
6, 8, F6, F8, F9.9 (6AU)	N	8 1/2	8 1/2	Aluminum		6G1-45941-00-00
6, 8, F6, F8, F9.9 (6AU)	N	8 1/2	9 1/4	Aluminum		6G1-45954-00-00
6, 8, F6, F8, F9.9 (6AU)	N	9	5	Aluminum	Dual Thrust	6G1-W4592-00-00
6, 8, F6, F8, F9.9 (6AU)	N	9	7	Aluminum	Dual Thrust	6G1-W4591-01-00
T8, T9.9 (6AV)	R	11 3/4	5 3/4	Aluminum	Dual Thrust	69G-45941-00-00
T8, T9.9 (6AV)	R	11 3/4	7	Aluminum	Dual Thrust	69G-45943-00-00
T9.9	R	11 3/4	9 1/4	Aluminum	Dual Thrust	6G8-45947-00-00
T9.9	R	11 3/4	9 1/4	Plastic	Dual Thrust	6G8-45943-00-00
T9.9	R	11 3/4	11	Plastic	Dual Thrust	6G8-45941-00-00
T9.9	R	11 3/4	12 1/4	Plastic	Dual Thrust	6G8-45945-00-00

**Prop Application: 20, 25, F25, 30**

Hub	Diameter	Pitch	Material	Series	Part Number
F	9 7/8	8	Aluminum		664-45943-01-00
F	9 7/8	9	Aluminum		664-45941-01-00
F	9 1/4	9	Aluminum		6A8-45949-00-00
F	9 7/8	10 1/2	Aluminum		664-45945-00-00
F	9	10 3/4	Aluminum		6A8-45947-00-00
F	9 1/4	11 1/4	Aluminum		656-45943-61-00
F	9 7/8	11 1/4	Aluminum		664-45947-01-00
F	9 7/8	12	Aluminum		664-45954-01-00
F	9 7/8	13	Aluminum		664-45949-02-00
F	9 7/8	14	Aluminum		664-45952-00-00
F	10 5/8	8 1/4	Aluminum	Dual Thrust	6J8-W4591-00-00
F	10 1/8	12	Stainless Steel	Performance (3-blade)	MAR-GYT3B-02-12
F	10 1/8	13	Stainless Steel	Performance (3-blade)	MAR-GYT3B-02-13
F	10 1/8	14	Stainless Steel	Performance (3-blade)	MAR-GYT3B-02-14
F	9 1/8	12	Stainless Steel	Weedless	664-45972-00-00
F	9 1/8	13	Stainless Steel	Weedless	664-45970-00-00

**Prop Application: T25, F30, 40, F40, 50, F50, F60**

Hub	Diameter	Pitch	Material	Series	Part Number**
G	12 1/4	8	Aluminum		63D-45941-00-00
G	12 1/4	9	Aluminum		663-45956-01-00
G	11 3/4	10	Aluminum		663-45954-01-00
G	11 5/8	11	Aluminum		69W-45947-00-00
G	11 3/8	12	Aluminum		663-45952-02-00
G	11 3/8	12	Aluminum		69W-45952-00-00
G	10 5/8	12	Aluminum (Lip Cup)		6H5-45952-00-00
G	11 1/8	13	Aluminum		69W-45945-00-00
G	10 3/8	13	Aluminum (Lip cup)		6H5-45945-00-00
G	11 1/4	14	Aluminum		663-45958-01-00
G	11 1/4	14	Aluminum		69W-45958-00-00
G	10 1/4	14	Aluminum (Lip Cup)		6H5-45958-00-00
G	11	15	Aluminum		69W-45943-00-00
G	10	15	Aluminum (Lip Cup)		6H5-45943-00-00
G	10 3/4	16	Aluminum		663-45949-01-00
G	10 3/4	17	Aluminum		663-45941-01-00
G	12 1/4	9	Aluminum	Dual Thrust	68U-45941-00-00
G	12	11	Stainless Steel	Black Painted	663-45972-60-00
G	11 3/4	12	Stainless Steel	Black Painted	663-45970-60-00
G	11 1/2	13	Stainless Steel	Black Painted	663-45974-60-00
G	10 5/8	13	Stainless Steel	Black Painted	663-45974-02-00
G	10 1/4	14	Stainless Steel	Black Painted	663-45930-00-00

**T25, F30, 40, F40, 50, F50, F60 (cont'd)**

Hub	Diameter	Pitch	Material	Series	Part Number**
G	11 1/4	14	Stainless Steel	Black Painted	697-45970-00-00
G	10 1/4	15	Stainless Steel	Black Painted	663-45976-00-00
G	10 1/4	16	Stainless Steel	Black Painted	663-45978-00-00
G	10 1/2	12	Stainless Steel	Performance (3-blade)	MAR-GYT3B-03-12
G	10 1/2	13	Stainless Steel	Performance (3-blade)	MAR-GYT3B-03-13
G	10 1/2	14	Stainless Steel	Performance (3-blade)	MAR-GYT3B-03-14
G	10 1/2	15	Stainless Steel	Performance (3-blade)	MAR-GYT3B-03-15
G	10 1/4	16	Stainless Steel	Black Painted	663-45978-00-00
G	10 3/4	17	Aluminum		663-45941-01-00
H	11 3/4	7 1/2	Aluminum		676-45956-61-EL
H	11 3/4	8 3/4	Aluminum		676-45947-62-EL
H	11 3/4	10	Aluminum		676-45945-62-00
H	11 1/2	11	Aluminum		676-45941-62-00
H	11 1/2	12	Aluminum		676-45943-62-EL
H	11 1/2	13	Aluminum		676-45952-62-00
H	11 1/2	13 1/2	Aluminum		676-45949-62-EL

**Prop Application: T50, 60, T60, F70, 75, F75, F80, 90, F90, F100, 115, F115, 130**

Hub	Diameter	Pitch	Material	Series	Part Number
K	14	11	Aluminum		6E5-45954-00-00
K	13 5/8	13	Aluminum		6E5-45949-00-00
K	13 5/8	14	Aluminum		6E5-45958-00-EL
K	13 1/2	15	Aluminum		6E5-45947-00-00
K	13 1/4	17	Aluminum		6E5-45945-01-00
K	13 1/2	17	Aluminum	Deep V Series	68V-45941-00-00
K	13	19	Aluminum		6E5-45941-00-00
K	13 1/2	19	Aluminum	Deep V Series	68V-45943-00-00
K	12 5/8	21	Aluminum		6E5-45943-00-00
K	13	23	Aluminum		6E5-45952-00-EL
K	13	23	Aluminum		6E5-45952-00-00
K	13	25	Aluminum		6E5-45956-00-00
K	14	11	Aluminum	Dual Thrust	68S-45941-00-00
K	13 1/2	14	Stainless Steel	Black Painted	688-45932-60-00
K	13 1/2	16	Stainless Steel	Black Painted	688-45978-60-00
K	13	17	Stainless Steel	Black Painted	688-45930-02-00
K	13	19	Stainless Steel	Black Painted	688-45970-03-00
K	13	21	Stainless Steel	Black Painted	688-45972-02-00
K	13	23	Stainless Steel	Black Painted	688-45974-02-00
K	13	25	Stainless Steel	Black Painted	688-45976-01-00
K	13 1/4	14	Stainless Steel	Performance (3-blade)	MAR-GYT3B-V4-14
K	13 1/4	16	Stainless Steel	Performance (3-blade)	MAR-GYT3B-V4-16
K	13 1/4	18	Stainless Steel	Performance (3-blade)	MAR-GYT3B-V4-18

**T50, 60, T60, 75, F75, F80, 90, F90, F100, 115, F115, 130 (cont'd)**

Hub	Diameter	Pitch	Material	Series	Part Number
K	13 1/4	20	Stainless Steel	Performance (3-blade)	MAR-GYT3B-V4-20
K	13 1/4	22	Stainless Steel	Performance (3-blade)	MAR-GYT3B-V4-22
K	13 1/4	24	Stainless Steel	Performance (3-blade)	MAR-GYT3B-V4-24
K	13 1/4	18	Stainless Steel	Performance (4-blade)	MAR-GYT4B-V4-18
K	13 1/4	20	Stainless Steel	Performance (4-blade)	MAR-GYT4B-V4-20
K	13 1/4	22	Stainless Steel	Performance (4-blade)	MAR-GYT4B-V4-22
K	13 1/4	23	Stainless Steel	Performance (4-blade)	MAR-GYT4B-V4-23
K	14	9	Stainless Steel	Pontoon Series	MAR-PNTN3-V4-09
K	14	10	Stainless Steel	Pontoon Series	MAR-PNTN3-V4-10
K	14	11	Stainless Steel	Pontoon Series	MAR-PNTN3-V4-11
K	14	12	Stainless Steel	Pontoon Series	MAR-PNTN3-V4-12
K	14	13	Stainless Steel	Pontoon Series	MAR-PNTN3-V4-13
K	13 1/2	17	Stainless Steel	Pro	62A-45976-00-00
K	13 1/2	19	Stainless Steel	Pro	62A-45974-10-00
K	13 1/2	21	Stainless Steel	Pro	62A-45970-10-00
K	13 1/2	23	Stainless Steel	Pro	62A-45972-10-00

**Prop Application: LF115, L130**

Hub	Diameter	Pitch	Material	Series	Part Number
KL	13	17	Stainless Steel	Black Painted	6L6-45930-01-00
KL	13	19	Stainless Steel	Black Painted	6L6-45970-00-00
KL	13	21	Stainless Steel	Black Painted	6L6-45972-00-00
KL	13 1/4	14	Stainless Steel	Performance (3-blade)	MAR-GYT3B-L4-14
KL	13 1/4	16	Stainless Steel	Performance (3-blade)	MAR-GYT3B-L4-16
KL	13 1/4	18	Stainless Steel	Performance (3-blade)	MAR-GYT3B-L4-18
KL	13 1/4	20	Stainless Steel	Performance (3-blade)	MAR-GYT3B-L4-20
KL	13 1/4	22	Stainless Steel	Performance (3-blade)	MAR-GYT3B-L4-22

**Note:** Propeller part numbers beginning with "6H5-" denote propellers with lip cupping. Propeller part numbers beginning with "69W-" denote heavier-duty propeller.

Visit your local Yamaha Outboard Dealer for propeller pricing and speed ranges. With so much to consider when selecting a prop, dealers are helpful at matching props with the right boat and type of boating. Your prop should help your engine achieve at or near its wide-open-throttle (WOT) rpm reading. If your rpms are too low, the Dealer will recommend you decrease your pitch. As a rule, one inch of pitch is equal to 200 rpms at WOT.

**Prop Application: 150~300, F150, V6 3.3L F200~F250,  
V6 4.2L F225~F300, V MAX SHO 4.2L VF200~VF250**

Hub	Diameter	Pitch	Material	Series	Part Number
M	15 1/4	15	Aluminum		6G5-45941-00-00*
M	14 5/8	16	Aluminum		6G5-45952-00-00*
M	14 1/2	17	Aluminum		6G5-45947-01-00*
M	14	19	Aluminum		6G5-45945-01-00*
M	13 3/4	21	Aluminum		6G5-45943-01-00*
M	13 1/2	23	Aluminum		6G5-45949-00-00*
T	15	17	Stainless Steel	Black Painted	61A-45978-00-00
M	15 3/4	13	Stainless Steel	Black Painted	6G5-45932-00-00
M	15 1/4	15	Stainless Steel	Black Painted	6G5-45970-02-00
M	13 3/4	17	Stainless Steel	Black Painted	6G5-45978-03-00
T	14 1/2	19	Stainless Steel	Black Painted	61A-45974-00-00**
M	13 3/4	19	Stainless Steel	Black Painted	6G5-45974-03-00
T	14 1/2	21	Stainless Steel	Black Painted	61A-45972-00-00**
M	13 3/4	21	Stainless Steel	Black Painted	6G5-45972-02-00
M	13 3/8	23	Stainless Steel	Black Painted	6G5-45976-01-00
M	13 3/8	25	Stainless Steel	Black Painted	6G5-45930-00-00
M	14 1/2	21	Stainless Steel	Pro	6J9-45976-10-00*
M	14 1/2	23	Stainless Steel	Pro	66K-45974-B0-00*
M	14 1/2	25	Stainless Steel	Pro	66K-45972-B0-00*
M	14 1/2	27	Stainless Steel	Pro	66K-45970-B0-00*
M	14 1/2	15	Stainless Steel	Reliance	68F-45970-00-00
M	14 1/4	17	Stainless Steel	Reliance	68F-45972-00-00
M	14 1/4	18	Stainless Steel	Reliance	68F-45978-00-00
M	13 3/4	19	Stainless Steel	Reliance	68F-45974-00-00
M	13 3/4	21	Stainless Steel	Reliance	68F-45976-00-00
M	15 1/4	15	Stainless Steel	Saltwater	6R4-45976-A0-00
M	15 1/4	17	Stainless Steel	Saltwater	6R4-45978-A0-00
M	14 1/2	23	Stainless Steel	Saltwater	6R4-45974-A0-00
M/T	14 1/4	14	Stainless Steel	Performance (3-blade)	MAR-GYT3B-V6-14*
M/T	14 1/4	16	Stainless Steel	Performance (3-blade)	MAR-GYT3B-V6-16*
M/T	14 1/4	18	Stainless Steel	Performance (3-blade)	MAR-GYT3B-V6-18*
M/T	14 1/4	20	Stainless Steel	Performance (3-blade)	MAR-GYT3B-V6-20*
M/T	14 1/4	22	Stainless Steel	Performance (3-blade)	MAR-GYT3B-V6-22*
M/T	14 1/4	24	Stainless Steel	Performance (3-blade)	MAR-GYT3B-V6-24*
M/T	14 1/4	26	Stainless Steel	Performance (3-blade)	MAR-GYT3B-V6-26*
M/T	13 3/4	18	Stainless Steel	Performance (4-blade)	MAR-GYT4B-V6-18*
M/T	13 3/4	20	Stainless Steel	Performance (4-blade)	MAR-GYT4B-V6-20*
M/T	13 3/4	22	Stainless Steel	Performance (4-blade)	MAR-GYT4B-V6-22*
M/T	13 1/4	23	Stainless Steel	Performance (4-blade)	MAR-GYT4B-V6-23*
M/T	13 3/4	24	Stainless Steel	Performance (4-blade)	MAR-GYT4B-V6-24*

**150~300, F150, V6 3.3L F200~F250, V6 4.2L F225~F300,  
V MAX SHO 4.2L VF200~VF250 (cont'd)**

Hub	Diameter	Pitch	Material	Series	Part Number
M/T	13 3/4	25	Stainless Steel	Performance (4-blade)	MAR-GYT4B-V6-25*
M/T	13 3/4	26	Stainless Steel	Performance (4-blade)	MAR-GYT4B-V6-26*
M/T	14 5/8	25	Stainless Steel	Performance XL	MAR-GYT3B-XL-25**
M/T	14 5/8	27	Stainless Steel	Performance XL	MAR-GYT3B-XL-27**
T	15	21	Stainless Steel	Saltwater HS4	6BR-45B70-00-00
T	15	22	Stainless Steel	Saltwater HS4	6BR-45B72-00-00
T	15	23	Stainless Steel	Saltwater HS4	6BR-45B74-00-00
T	15 3/4	15	Stainless Steel	Saltwater II	6D0-45976-00-00**
T	15 1/2	17	Stainless Steel	Saltwater II	6D0-45978-00-00**
T	15 1/4	19	Stainless Steel	Saltwater II	6D0-45970-00-00**
T	15	21	Stainless Steel	Saltwater II	6D0-45972-00-00**
T	14 1/2	23	Stainless Steel	VMAX	69L-45974-20-00**
T	15 1/8	25	Stainless Steel	VMAX	69L-45972-20-00**
T	15 1/8	27	Stainless Steel	VMAX	69L-45970-20-00**
T	14 3/4	29	Stainless Steel	VMAX	69L-45976-20-00**
T1	15 1/8	27	Stainless Steel	V MAX Ventless	6CB-45970-00-00 †
T1	15 1/8	25	Stainless Steel	V MAX Ventless	6CB-45972-00-00 †
T1	14 1/2	23	Stainless Steel	V MAX Ventless	6CB-45974-00-00 †
T1	14 3/4	29	Stainless Steel	V MAX Ventless	6CB-45976-00-00 †

\*Not recommended for engines over 225 hp.

\*\*Recommended for 3.3L engines, 250~300 hp.

† V MAX SHO only

**Note:** Visit your local Yamaha Outboard Dealer for propeller pricing and speed ranges. With so much to consider when selecting a prop, dealers are helpful at matching props with the right boat and type of boating. Your prop should help your engine achieve at or near its wide-open-throttle (WOT) rpm reading. If your rpms are too low, the Dealer will recommend you decrease your pitch. As a rule, one inch of pitch is equal to 200 rpms at WOT.

**Prop Application: L150~L300, LF150, V6 3.3L LF200~LF250,  
V6 4.2L LF225~LF300**

Hub	Diameter	Pitch	Material	Series	Part Number
ML	14 1/2	17	Aluminum		6K1-45947-00-00*
ML	14 1/2	17	Aluminum		6K1-45947-00-00*
ML	14	19	Aluminum		6K1-45945-00-00*
ML	14	19	Aluminum		6K1-45945-00-00*
ML	15 1/4	15	Stainless Steel	Black Painted	6K1-45970-01-00
ML	13 3/4	17	Stainless Steel	Black Painted	6K1-45978-02-00
TL	15	17	Stainless Steel	Black Painted	61B-45978-00-00**
ML	13 3/4	19	Stainless Steel	Black Painted	6K1-45974-02-00
TL	14 1/2	19	Stainless Steel	Black Painted	61B-45974-00-00**
ML	13 3/4	21	Stainless Steel	Black Painted	6K1-45972-01-00
TL	14 1/2	21	Stainless Steel	Black Painted	61B-45972-00-00**
ML	13 3/8	23	Stainless Steel	Black Painted	6K1-45976-00-00
ML	14 1/4	17	Stainless Steel	Reliance	68G-45972-00-00
ML	14 1/4	18	Stainless Steel	Reliance	68G-45978-00-00
ML	13 3/4	19	Stainless Steel	Reliance	68G-45974-00-00
ML	13 3/4	21	Stainless Steel	Reliance	68G-45976-00-00
ML	15 1/4	15	Stainless Steel	Saltwater	6R1-45976-A0-00
ML	15 1/4	17	Stainless Steel	Saltwater	6R1-45978-A0-00
ML	15 1/4	19	Stainless Steel	Saltwater	6R1-45970-A1-00
ML	14 7/8	21	Stainless Steel	Saltwater	6R1-45972-A0-00
ML	14 1/2	23	Stainless Steel	Saltwater	6R1-45974-A0-00
ML/ TL	14 1/4	14	Stainless Steel	Performance (3-blade)	MAR-GYT3B-L6-14*
ML/ TL	14 1/4	16	Stainless Steel	Performance (3-blade)	MAR-GYT3B-L6-16*
ML/ TL	14 1/4	18	Stainless Steel	Performance (3-blade)	MAR-GYT3B-L6-18*
ML/ TL	14 1/4	20	Stainless Steel	Performance (3-blade)	MAR-GYT3B-L6-20*
ML/ TL	14 1/4	22	Stainless Steel	Performance (3-blade)	MAR-GYT3B-L6-22*
TL	15	21	Stainless Steel	Saltwater HS4	6BS-45B70-00-00
TL	15	22	Stainless Steel	Saltwater HS4	6BS-45B72-00-00
TL	15	23	Stainless Steel	Saltwater HS4	6BS-45B74-00-00
TL	15 3/4	15	Stainless Steel	Saltwater II	6D1-45976-00-00**
TL	15 1/2	17	Stainless Steel	Saltwater II	6D1-45978-00-00**
TL	15 1/4	19	Stainless Steel	Saltwater II	6D1-45970-00-00**
TL	15	21	Stainless Steel	Saltwater II	6D1-45972-00-00**

\*Not recommended for engines over 225 hp.

\*\*Recommended for 3.3L engines, 250~300 hp.

†† Special SDS spacer is required which is included with current Yamaha outboards designed for SDS propeller system

**Note:** Visit your local Yamaha Outboard Dealer for propeller pricing and speed ranges. With so much to consider when selecting a prop, dealers are helpful at matching props with the right boat and type of boating. Your prop should help your engine achieve at or near its wide-open-throttle (WOT) rpm reading. If your rpms are too low, the Dealer will recommend you decrease your pitch. As a rule, one inch of pitch is equal to 200 rpms at WOT.

**Prop Application: V6 3.3L F200~F250, V6 4.2L F225~F300**

Hub	Diameter	Pitch	Material	Series	Part Number
T	15 3/4	13	Stainless Steel	Saltwater II SDS	6CE-45930-00-00 ††
T	15 1/4	19	Stainless Steel	Saltwater II SDS	6CE-45970-00-00 ††
T	15	21	Stainless Steel	Saltwater II SDS	6CE-45972-00-00 ††
T	14 3/4	23	Stainless Steel	Saltwater II SDS	6CE-45974-00-00 ††
T	15 3/4	15	Stainless Steel	Saltwater II SDS	6CE-45976-00-00 ††
T	15 1/2	17	Stainless Steel	Saltwater II SDS	6CE-45978-00-00 ††
T	15	21	Stainless Steel	Saltwater HS4 SDS	6CE-45B70-00-00 ††
T	15	22	Stainless Steel	Saltwater HS4 SDS	6CE-45B72-00-00 ††
T	15	23	Stainless Steel	Saltwater HS4 SDS	6CE-45B74-00-00 ††

**Prop Application: V6 3.3L LF200~LF250, V6 4.2L LF225~LF300**

Hub	Diameter	Pitch	Material	Series	Part Number
TL	15 3/4	13	Stainless Steel	Saltwater II SDS	6CF-45930-00-00 ††
TL	15 1/4	19	Stainless Steel	Saltwater II SDS	6CF-45970-00-00 ††
TL	15	21	Stainless Steel	Saltwater II SDS	6CF-45972-00-00 ††
TL	14 3/4	23	Stainless Steel	Saltwater II SDS	6CF-45974-00-00 ††
TL	15 3/4	15	Stainless Steel	Saltwater II SDS	6CF-45976-00-00 ††
TL	15 1/2	17	Stainless Steel	Saltwater II SDS	6CF-45978-00-00 ††
TL	15	21	Stainless Steel	Saltwater HS4 SDS	6CF-45B70-00-00 ††
TL	15	22	Stainless Steel	Saltwater HS4 SDS	6CF-45B72-00-00 ††
TL	15	23	Stainless Steel	Saltwater HS4 SDS	6CF-45B74-00-00 ††

**Prop Application: 5.3L V8 F300~F350**

Hub	Diameter	Pitch	Material	Series	Part Number
X	16 1/4	17	Stainless Steel	Saltwater XL	6AW-45970-00-00
X	16 1/4	19	Stainless Steel	Saltwater XL	6AW-45972-00-00
X	15 1/2	21	Stainless Steel	Saltwater XL	6AW-45974-00-00
X	15 1/4	23	Stainless Steel	Saltwater XL	6AW-45976-00-00
X	15 1/4	25	Stainless Steel	Saltwater XL	6AW-45978-00-00
X	16 1/4	15	Stainless Steel	Saltwater XL SDS	6AW-45970-10-00
X	16 1/4	17	Stainless Steel	Saltwater XL SDS	6AW-45972-10-00
X	15 1/2	19	Stainless Steel	Saltwater XL SDS	6AW-45974-10-00
X	15 1/4	21	Stainless Steel	Saltwater XL SDS	6AW-45976-10-00
X	15 1/4	23	Stainless Steel	Saltwater XL SDS	6AW-45978-10-00
X	16 1/8	15	Stainless Steel	Saltwater XL SDS	MAR-GYT4B-V8-15
X	16 1/8	17	Stainless Steel	Performance XL4	MAR-GYT4B-V8-17

**Prop Application: 5.3L V8 LF300~LF350**

Hub	Diameter	Pitch	Material	Series	Part Number
XL	16 1/4	17	Stainless Steel	Saltwater XL	6AX-45970-00-00
XL	16 1/4	19	Stainless Steel	Saltwater XL	6AX-45972-00-00
XL	15 1/2	21	Stainless Steel	Saltwater XL	6AX-45974-00-00
XL	15 1/4	23	Stainless Steel	Saltwater XL	6AX-45976-00-00
XL	15 1/4	25	Stainless Steel	Saltwater XL	6AX-45978-00-00
XL	16 1/4	15	Stainless Steel	Saltwater XL SDS	6AX-45970-10-00
XL	16 1/4	17	Stainless Steel	Saltwater XL SDS	6AX-45972-10-00
XL	15 1/2	19	Stainless Steel	Saltwater XL SDS	6AX-45974-10-00
XL	15 1/4	21	Stainless Steel	Saltwater XL SDS	6AX-45976-10-00
XL	15 1/4	23	Stainless Steel	Saltwater XL SDS	6AX-45978-10-00
XL	16 1/8	17	Stainless Steel	Performance XL4	MAR-GYT4B-L8-15
XL	16 1/8	17	Stainless Steel	Performance XL4	MAR-GYT4B-L8-17



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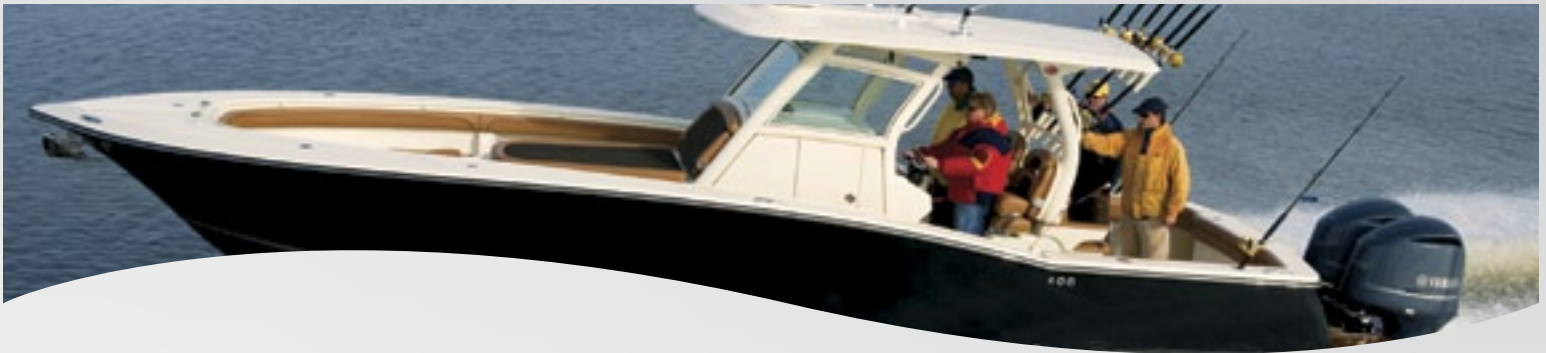
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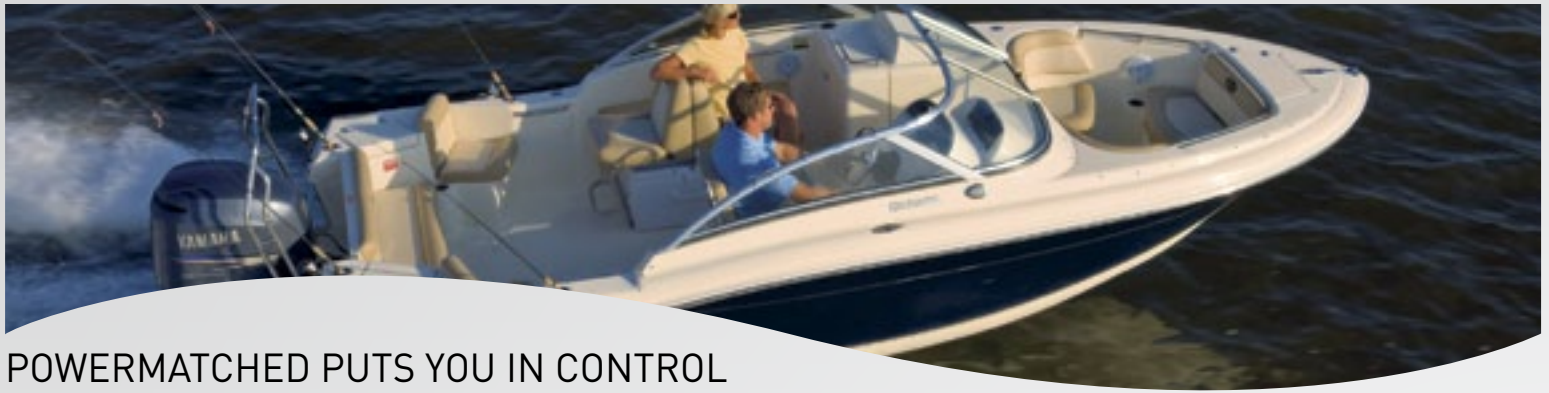
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Twin Binnacle

704 Premium  
Single Binnacle

704 Standard  
Single Binnacle



6X3 Premium Flush Side-Mount

6X0 Flush Side-Mount



703 Premium Side-Mount

701 Standard Side-Mount

**Command link**  
+PLUS

**Command link**

### COMMAND LINK PLUS DIGITAL ELECTRONIC CONTROLS (DEC)

The Command Link and compatible controls offer virtually effortless throttle and shift functions, highly polished chrome handles, and a built-in redundancy system for added reliability. Thanks to 'plug-and-play' convenience, adding a second station control is a breeze. Additionally, all multiple engine Command Link DEC's feature automatic engine RPM synchronization.

### COMMAND LINK & COMMAND LINK PLUS DIGITAL ELECTRONIC BINNACLE CONTROLS



6X6 Twin-Engine



6X6 Single-Engine



6X7 Flush-Mount



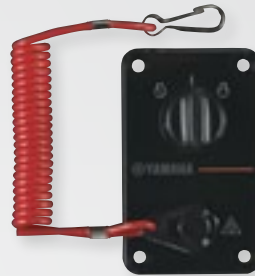
## NOW THAT'S A SWITCH!

Yamaha offers a full range of ignition switches, engineered for maximum durability and reliability. Single switches. Dual switches. Stop switches. Combination switches. Because we know your outboard, we offer a variety of mounting configurations — and because they're Yamaha, you know they'll fit and perform without a hitch. Working hand in hand with all the other Yamaha power system components, Yamaha ignition switches ensure you the reliability of a PowerMatched™ System, with every turn of the key.

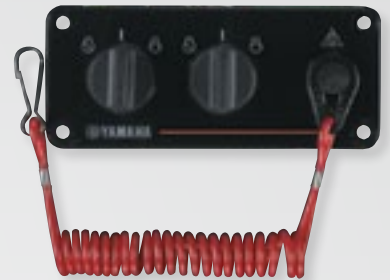
### RELIABILITY

Yamaha Ignition Switches are ergonomically designed for comfort, and are compact to put control within easy reach. These are the switches designed expressly for use with your Yamaha outboard engine, with Yamaha's uncompromising quality in materials and workmanship.

### Command Link



Single Engine Key Switch Panel



Twin Engine Key Switch Panel

### COMMAND LINK PLUS KEY SWITCHES

Yamaha's new Command Link Plus key panels offer the latest in technology and durability, with a new ergonomic key design and new functionality. Excepting the single engine ignition switch, these are "key" panels; which energize the ignition system of multiple outboards with only one key.

### COMMAND LINK PLUS START/STOP PANELS

The appropriate start/stop panel is used in conjunction with the correct key panel for the application and greatly simplifies the starting and stopping process of the outboards. There's even an "All Engine" start/stop button, which allows multiple engines to be started successively or stopped simultaneously with the touch of a single button.

*Applicable to 4.2L V6 Offshore and F350 only.*

### Command Link +PLUS



Main Key



Main Key Switch for Single



Main Key Switch for Twin and Triple



"All Start" Panel for Twin



Start/Stop Panel for Single (2nd Station)



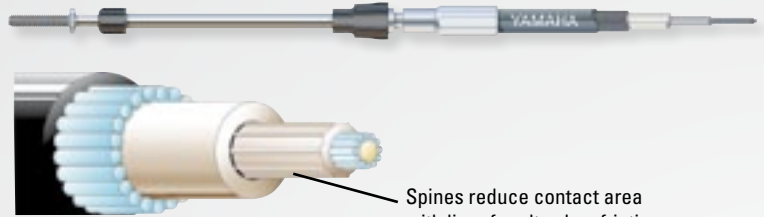
Start/Stop Panel for Twin (Main or 2nd Station)



## POWERMATCHED DELIVERS TOTAL CONFIDENCE

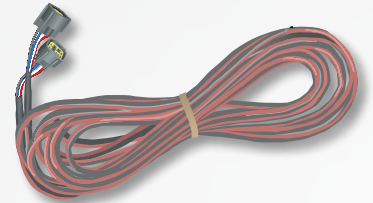
### UNRIVALLED SMOOTHNESS

Yamaha Remote Control Cables set the standard with an advanced technology that reduces friction for excellent cable performance and smooth operation. We've designed them to provide more strength and less bend radius than ordinary cables, with a UV-stabilized jacket that resists cracking, for added water resistance. Yamaha Controls Cables — a vital part of the total confidence that comes when every piece of your power system is PowerMatched.



## SIMPLIFY YOUR LIFE

With Yamaha wiring harnesses, rigging your boat is virtually "plug and play." All connections are colour-coded and like-sized so they fit together, work together. And all Yamaha wiring harness connections are either rubber-coated or O-ring sealed for maximum corrosion protection. These are the harnesses made for your Yamaha power system; there's no need to splice, or guess at proper connections. They are designed by Yamaha, for Yamaha, and are a key component of the Yamaha PowerMatched System.



## YAMAHA FUEL FILTERS — THE ULTIMATE PROTECTION

Your fuel filter plays a crucial role in your engine's performance, reliability and long life. Our 10-Micron Fuel Filters filter out contaminants and separate water from the fuel, ahead of the onboard filters and injectors. Featuring a high-performance flow rate and a much larger filtering surface than other filters on the market, and manufactured to strict Yamaha standards. Use them along with other Yamaha components for the dependability of a PowerMatched system.

**PowerMatched Protection** Our 10-Micron Fuel/Water Separating Filter is designed for EFI four-stroke and HPDI two-stroke outboards, but also offers excellent protection for carbureted engines. Yamaha's filter technology ensures maximum filtration while maintaining adequate flow rate. Available with aluminum or stainless steel head.

**PowerMatched Protection – 115hp and under** Mini-10™ Fuel/Water Separating Filters ensure a high-performance flow rate to keep small and midrange engines running smooth. The filter is made from coated steel on the inside, painted steel outside, for added corrosion resistance, and features an aluminum head.



1



2

- 1. 10-Micron Fuel/Water Separating Filter**  
 Designed to protect your outboard motor from fuel contamination, resulting in better and increased engine life. True 10-micron filtration, specifically engineered for all Yamaha EFI and HPDI engines (and carbureted engines). High performance 90 GPH flow rate.  
 Aluminum Mounting Head and Filter  
**MAR-SEPAR-AT-OR** . . . . . \$94.71  
 Stainless Mounting Head and Filter  
**MAR-SPRTR-HD-SS** . . . . . \$126.64  
 Replacement Filter  
**MAR-FUELF-IL-TR** . . . . . \$26.95  
 Bulk Replacement Pack (12 filters/pack)  
**MAR-FUELF-LT-12** . . . . . \$296.95

- 2. Mini-10 Fuel/Water Separating Filter**  
 A smaller version of Yamaha's highly-acclaimed 10-Micron filter, featuring the same rigorous construction, certification, filtration and structural integrity requirements. Smaller in size to make installation easier in smaller boats, it provides the benefits of 10-Micron filtration to a wider range of boaters and boating applications. When maintained according to Yamaha's recommendations, the mini-10 provides the level of fuel filtration and water separation necessary to protect all gasoline outboard engines 115 horsepower and under, especially EFI.  
**MAR-MINIF-LT-AS** . . . . . \$60.72

- Mini-10 Fuel Water/Separating Filter Element  
 Spin-on filter only.  
**MAR-MINIF-IL-TR** . . . . . \$19.95

# ENVIRONMENTALLY FRIENDLY PORTABLE MARINE FUEL TANKS, FUEL HOSES AND PRIMER BULBS

Introducing fuel system components designed to meet Environmental Protection Agency (EPA) regulations. These new components are certified to reduce hydrocarbon loss during daily temperature swings and therefore protecting the environment.

## Fuel Tank

Features a new low-permeation material and a new fuel filler cap designed to prevent uncontrolled venting of fuel vapour to the atmosphere.

## Fuel Hose

Also constructed with low-permeation material and features a new Yamaha exclusive twist lock style connector which helps reduce the risk of fuel spill when installing and removing the fuel hose.

## New-Style (Low-Permeation) Replacement Parts

### Primer Bulbs:

- For 6mm fuel hose . . . . . **6YL-24306-61-00**
- For 8mm fuel hose . . . . . **6YK-24306-71-00**

### Caps:

- Filler Cap (with gasket) . . . . . **6YL-24610-10-00**
- Cap Gasket . . . . . **6YL-24641-10-00**
- Lock Ring . . . . . **6YL-24629-00-00**

### Twist Lock Fuel Hose Connection Joints:

- 6mm Engine and Tank Side . . . . . **6YL-24305-00-00**
- 8mm Engine and Tank Side . . . . . **6YK-24305-00-00**

## Old-Style Replacement Parts

### Primer Bulbs:

- For 6mm fuel hose . . . . . **6Y1-24360-52-00**
- For 8mm fuel hose . . . . . **6Y2-24360-70-00**

### Pickup Assemblies:

- For 12-Litre Tank . . . . . **97951-24261-00**
- For 25-Litre Tank . . . . . **97951-24262-00**

### Fuel Cap Assemblies:

- For 25-Litre Tank (with fuel gauge). . . **MAR-COMBI-CP-25**

### Cap Gaskets:

- For 12L and 25L Tank. . . . . **MAR-COMBI-GS-KT**

### Fuel Hose Connection Joints:

- 6mm Engine Side. . . . . **6G1-24305-05-00**
- 6mm Tank Side. . . . . **6Y1-24305-06-00**
- 8mm Engine Side. . . . . **6E5-24305-06-00**
- 8mm Tank Side. . . . . **6Y2-24305-06-00**

Note: All hose to barb connections must be sealed with 360° contact crimp-style clamps such as an Oesker® clamp and be installed in compliance with ABYC® H25.



# FUEL SYSTEM COMPONENTS QUICK REFERENCE ORDERING GUIDE

## New-Style (Low Permeation)



New Twist Lock Connection



### New-Style Tank

- 12-Litre . . . . . **6YL-24201-21-00**
- 25-Litre (shown) **6YK-24201-41-00**



### Connect new-style tank to new-style engine

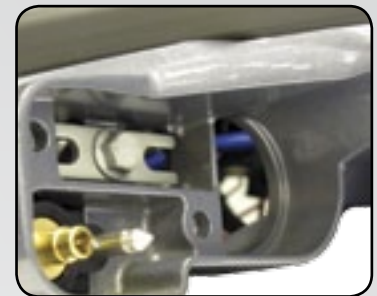
- Requires a fuel line assembly.
- For 6mm fuel hose . . **6YL-24306-71-00**
- For 8mm fuel hose . . **6YK-24306-71-00**



### Connect new-style tank to old-style engine

- Requires new-style engine mounted connection joint and new-style fuel hose (part numbers listed above).
- New-style (twist lock) engine connection joint **6YL-24304-00-00**

## Old-Style



Conventional Connection



### Old-Style Tanks

- 12-Litre . . . . . **6YL-W2420-J3-00**
- 25-Litre (shown) . **ACC-08100-10-00**



### Connect old-style tank to old-style engine

- Requires a fuel line assembly.
- For 6mm fuel hose . . **6Y1-24306-55-00**
- For 8mm fuel hose . . **6Y2-24306-56-00**



### Connect old-style tank to new-style engine

- Option A:** Requires a fuel line assembly.
- 8mm fuel hose . . . . **6YK-24306-69-00**
- Option B:** Required to replace engine mounted connection with old-style joint and fuel hose (part numbers listed above)
- Old-style engine connection joint **6G1-24304-02-00**

