

Outline

- To obtain long product life, Yamaha strongly recommends that the specified periodic checks and maintenance be performed according to the maintenance interval charts.
- If replacement parts are necessary, use only genuine Yamaha parts of equivalent design and quality. Any parts of inferior quality may cause a malfunction, and the resulting loss of control could endanger the operator and passengers. Yamaha genuine parts and accessories are available from Yamaha dealers.
- The service intervals provided in the maintenance interval charts are based upon “typical” operating conditions that include speed variations, sufficient time for engine warm up and cool-down, medium to light load, and an average cruising speed in the 3000–4000 r/min range. If your normal operating conditions are more intensive, more frequent servicing will be required, especially the engine oil and gear oil changes. Examples of the intensive operation will be: wide-open-throttle, trolling, or idling operation for extended periods of time, carrying heavy loads, and frequent starting and stopping or shifting. In most cases, the frequent maintenance pays off in increased engine life and greater owner satisfaction.
- The maintenance cycle on these charts is based on usage of 100 hours per year and regular flushing of the cooling water passages. Adjust the maintenance frequency when operating the engine under adverse conditions, such as extended trolling.
- Disassembly or repairs may be necessary depending on the outcome of maintenance checks.
- Expendable or consumable parts and lubricants will lose their effectiveness over time and through normal usage regardless of the warranty period.
- When operating the outboard motor in salt water, or in muddy, turbid (cloudy), or acidic water, flush the engine using clean water after each use.

Maintenance interval chart 1

The “●” symbol indicates the check-ups which the owners or operators may carry out themselves.

The “○” symbol indicates work to be carried out by a Yamaha dealer.

Item	Actions	Initial	Every			
		20 hours (3 months)	100 hours (1 year)	300hours (3 years)	500 hours (5 years)	
Anode(s) (external)	Inspection or replacement as necessary		●/○			
Anode(s) (internal) *1	Inspection or replacement as necessary		○			
Anode(s) (internal) *2	Replacement				○	
Battery (electrolyte level, terminal)	Inspection	●/○	●/○			
Battery (electrolyte level, terminal)	Fill, charging or replacing as necessary		○			
Cooling water leakage	Inspection or replacement as necessary	○	○			
Cowling lock lever	Inspection		●/○			
Engine starting condition/noise	Inspection	●/○	●/○			
Engine idle speed/noise	Inspection	●/○	●/○			

Item	Actions	Initial	Every			
		20 hours (3 months)	100 hours (1 year)	300hours (3 years)	500 hours (5 years)	
Engine oil	Replacement	●/○	●/○			
Engine oil filter (cartridge)	Replacement		●/○			
Fuel filter (can be disassembled)	Inspection or replacement as necessary	●/○	●/○			
Fuel line (High pressure)	Inspection	●	●			
Fuel line (High pressure)	Inspection or replacement as necessary	○	○			
Fuel line (Low pressure)	Inspection	●	●			
Fuel line (Low pressure)	Inspection or replacement as necessary	○	○			
Fuel pump	Inspection or replacement as necessary			○		
Fuel/engine oil leakage	Inspection	○	○			
Gear oil	Replacement	●/○	●/○			
Greasing points	Greasing	●/○	●/○			
Clamp bracket bolt (through tube)	Inspection and greasing		○			
Impeller/water pump housing	Inspection or replacement as necessary		○			
Impeller/water pump housing	Replacement			○		
OCV (Oil Control Valve) filter	Replacement				○	
Power trim and tilt unit	Inspection	●/○	●/○			
Propeller/propeller nut/cotter pin	Inspection or replacement as necessary	●/○	●/○			
Spark plug(s)	Inspection or replacement as necessary		●/○			
Ignition coils/ignition coil leads	Inspection or replacement as necessary	○	○			
Shift Dampener System (SDS) propeller damper	Inspection or replacement		○			
Water from the cooling water pilot hole	Inspection	●/○	●/○			

Item	Actions	Initial	Every			
		20 hours (3 months)	100 hours (1 year)	300hours (3 years)	500 hours (5 years)	
Thermostat	Inspection or replacement as necessary		○			
Timing belt	Inspection or replacement as necessary		○			
Valve clearance	Inspection and adjustment				○	
Cooling water inlet	Inspection	●/○	●/○			
Main switch/stop switch	Inspection or replacement as necessary	○	○			
Wire harness connections/wire coupler connections	Inspection or replacement as necessary	○	○			
Connector connections/lead connections	Inspection or replacement as necessary	○	○			
(Yamaha) Meter/gauge	Inspection	○	○			
SBW (Steer-by-wire)	Inspection or replacement as necessary	○	○	○	○	

*1 cylinder head exhaust passage

*2 cylinder head, cylinder block, cylinder block thermostat portion, oil cooler cover, exhaust guide

Maintenance interval chart 2

Item	Actions	Every
		1000 hours
Exhaust guide/exhaust manifold	Inspection or replacement as necessary	○
Timing belt	Replacement	○
SBW (Steer-by-wire)	Inspection or replacement as necessary	○