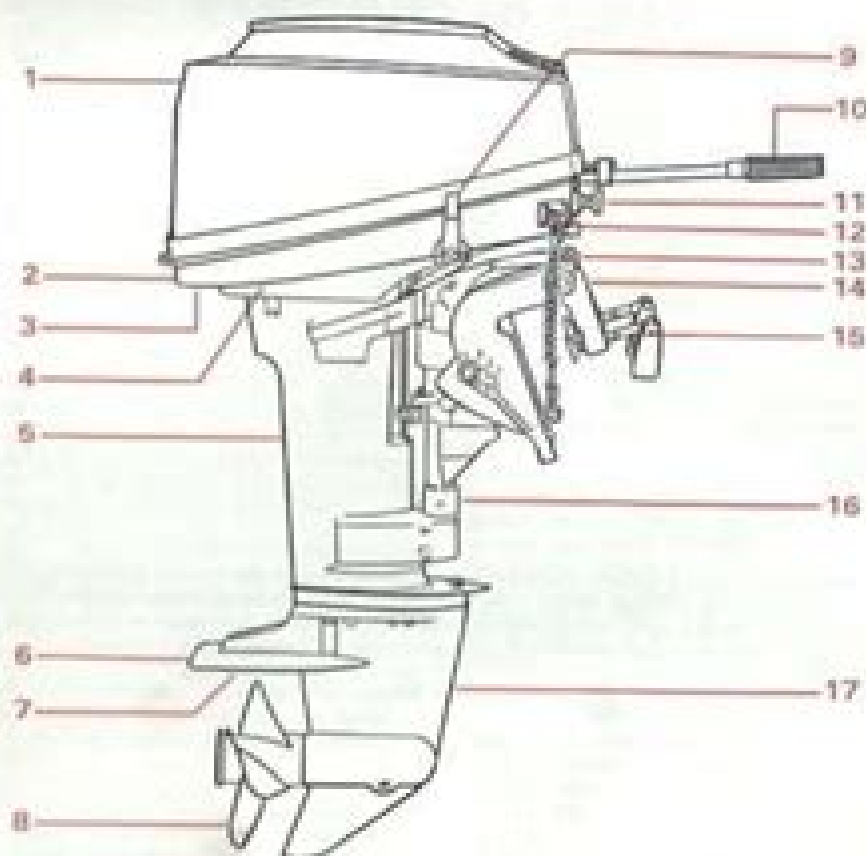


## SPECIFICATIONS



Side View (Starboard)

- |                           |                             |
|---------------------------|-----------------------------|
| 1. Top Cowl               | 10. Control Handle Assembly |
| 2. Cowl Latch             | 11. Primer/Fast Idle Knob   |
| 3. "Tall-Tale" Outlet     | 12. Emergency Stop Switch   |
| 4. Bottom Cowl            | 13. Safety Clip             |
| 5. Drive Shaft Housing    | 14. Clamp Bracket (2)       |
| 6. Anti-Ventilation Plate | 15. Clamp Screw (2)         |
| 7. Anodic Plate           | 16. Swivel Bracket          |
| 8. Propeller              | 17. Gear Housing Assembly   |
| 9. Gear Shift Lever       |                             |

	5.5	8	9
Horsepower	5.5	8	9
Propshaft Kilowatts*	7.4	5.9	4.9
Full Throttle RPM Range	5000-6000	4500-5500	4000-5000
Idle Speed	600-700 RPM (in Gear)		
Motor Displacement	12.8 Cu. In. (208cc)		
Bore	2.125 (54mm)		
Stroke	1.800 (45.7mm)		
Recommended Spark Plug	Champion U81TC		
Spark Plug Gap	0.040" (1.0mm)		
Spark Advance	36° BTDC @ WOT		
Recommended Gasoline	Automotive Regular (Lead Free or Low Lead Preferred)		
Recommended Oil	Quicksilver 2-Cycle Outboard Oil		
Gasoline/Oil Ratio	50:1 (Including Break-In)		
Fuel Tank Capacity			
- U.S. Gallons	3.2		
- Imperial Gallons	2-1/2		
- Liters	12		
Battery Rating - Electric Start Models	Minimum Reserve Capacity Rating of 35 Minutes and Cold Cranking Amperage of 180 Amperes		
Standard Propeller	3 Blade Aluminum (9" Dia. x 9" Pitch)		
Gear Ratio	2.08:1		
Transom Height	Short Shaft - 15" (38cm) Long Shaft - 20" (51cm)		

\*Measured at the propshaft in accordance with ISO/IEC 28.

**IMPORTANT:** Fasteners (screws and nuts) used in the manufacture of your outboard motor are METRIC. (A few exceptions are: propeller shaft nut, flywheel nut and spark plugs, which are 13/16", and tilt tube nuts, which are 1-1/4".)

### COMBINATION TOOL

A "Combination Tool" is provided with the outboard motor (stored in the "Owner's Literature Packet").

This handy tool incorporates a 21mm (13/16") hex socket (fits spark plugs and propeller nut) and a 10mm hex socket (fits 10mm fasteners, such as the rewind starter mounting bolts). The tool handle

also incorporates a standard hp (straight) screwdriver blade.

### SPARE STARTER ROPE

A spare starter rope also is supplied with the motor (stored in the "Owner's Literature Packet"). The rope may be used for a replacement in the rewind starter assembly or as an emergency starter rope, in event that the rewind starter is inoperable.

# Mariner 8hp 1990 Service Manual

**J Elliott**



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