

2006

**Johnson**

**Service Manual**  
**9.9, 15 HP**

4 STROKE

**Johnson®**



## INTRODUCTION

### MODELS COVERED IN THIS MANUAL

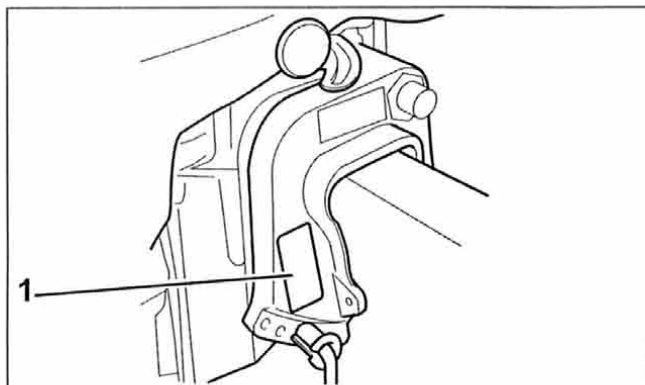
## MODELS COVERED IN THIS MANUAL

This manual covers service information on *Johnson* 9.9 and 15 HP 4-Stroke models. Use this manual together with the proper Parts Catalog for part numbers and for exploded views of the outboard, which are a valuable aid to disassembly and reassembly.

Model Number	Start	Shaft	Steer
J10R4SDM	Rope	15 in.	Tiller
J10RL4SDM	Rope	20 in.	Tiller
J10TE4SDM	Electric	15 in.	Tiller
J10TEL4SDM	Electric	20 in.	Tiller
J10TBL4SDE	Electric	20 in.	Tiller
J10EL4SDA	Electric	20 in.	Remote
J15R4SDM	Rope	15 in.	Tiller
J15RL4SDM	Rope	20 in.	Tiller
J15TE4SDM	Electric	15 in.	Tiller
J15TEL4SDM	Electric	20 in.	Tiller
J15EL4SDC (Europe only)	Electric	20 in.	Remote

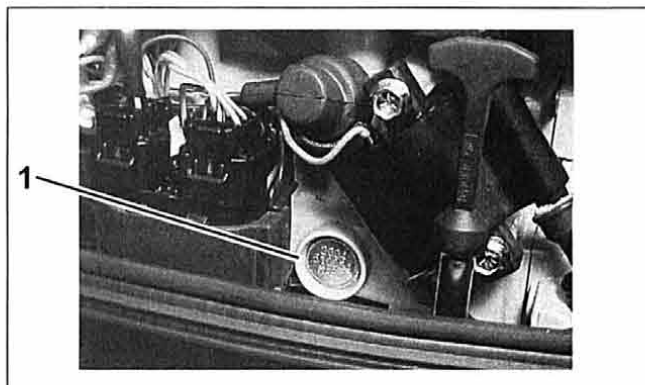
## Identifying Model and Serial Numbers

Outboard model and serial numbers are located on the starboard stern bracket and on the powerhead.



**Starboard Stern Bracket**  
1. Model and serial number

004351



**Powerhead**  
1. Serial number

004352

## TECHNICAL DATA

	HP	9.9	15
	Full Throttle Operating Range RPM	4900-5500	5400-6000
	Power	9.9 HP (7.3 kw) @ 5000 RPM	15 HP (11 kw) @ 5700
	Idle RPM in Gear	820 to 920	
ENGINE	Weight	<b>(R) Models:</b> 97 lbs. (44 kg) <b>(RL) Models:</b> 99 lbs. (45 kg) <b>(TE) Models:</b> 106 lbs. (48 kg) <b>(TEL) Models:</b> 108 lbs. (49 kg) <b>(EL) Models:</b> 106 lbs. (48 kg)	
	Lubrication	<i>Evinrude/Johnson Ultra 4-Stroke</i> outboard oil Refer to <b>Oil Requirements</b> on p. 40.	
	Engine Type	4-Stroke SOHC 2-cylinder	
	Displacement	18.4 cu. in. (302 cm <sup>3</sup> )	
	Bore	2.28in. (58 mm)	
	Stroke	2.24 in. (57 mm)	
	Compression ratio	9.0:1	
	Carburetion	One single-throat carburetor, float feed	
	Main Jet	#70	#115
	Pilot Jet	#38	#40
FUEL SYSTEM	Low-Speed Setting	PRE-SET (1-7/8 ± 1/2 turns)	PRE-SET (2-7/8 ± 1/2 turns)
	Starting Enrichment	<b>(R) Models:</b> Manual <b>(E) Models:</b> Automatic	
	Float Level Setting	13.5 ± 2 mm	
	Preferred Fuel	Regular unleaded, plus grade unleaded, premium unleaded gasolines	
	Acceptable Fuel	Any of the above gasolines with 10% Ethanol or 5% Methanol with 5% co-solvents	
	Minimum Octane	87 AKI (R+M)/2 or 90 RON	
	Additives	2+4 <sup>®</sup> Fuel Conditioner, Fuel System Cleaner, Carbon Guard Use only <i>Evinrude/Johnson</i> recommended fuel additives. The use of other additives may result in engine damage.	
		See <b>Fuel Requirements</b> on p. 39 for additional information.	