

SUZUKI

SUZUKI AMERICA CORPORATION
3251 E. Imperial Highway
P.O. Box 1000
Brea, California 92621

SUZUKI DT30 (Prior To 1988)

CONDENSED SERVICE MANUAL

NOTE: Metric fasteners are used throughout outboard motor.

TUNE-UP

Hp/rpm	30/4800-5500
Bore	71 mm (2.80 in.)
Stroke	63 mm (2.48 in.)
Number of Cylinders	2
Displacement	499 cc (30.45 cu. in.)
Spark Plug:	
NGK	BR7HS
Electrode Gap	0.9-1.0 mm (0.035-0.039 in.)
Ignition Type	CDI
Carburetor Make	Mikuni
Idle Speed (in gear)	650-700 rpm
Fuel:Oil Ratio	50:1

SIZES - CLEARANCES

Piston Ring End Gap	0.2-0.4 mm (0.008-0.016 in.)
Piston-to-Cylinder Clearance:	
Prior To 1987	0.067-0.082 mm (0.0026-0.0032 in.)
After 1986	0.087-0.102 mm (0.0034-0.0040 in.)
Piston Pin Diameter	17.995-18.000 mm (0.7085-0.7087 in.)
Max. Crankshaft Runout at Main Bearing Journal	0.05 mm (0.002 in.)
Max. Connecting Rod Small End Side Shake	5.0 mm (0.020 in.)

TIGHTENING TORQUES

Power Head Mounting Screws	15-20 N·m (11-14 ft.-lbs.)
Crankcase:	
6 mm	8-12 N·m (6-8 ft.-lbs.)
8 mm	20-26 N·m (14-19 ft.-lbs.)

TIGHTENING TORQUES CONT.

Flywheel Nut	130-150 N·m (94-108 ft.-lbs.)
Cylinder Head Screws:	
6 mm	8-12 N·m (6-8 ft.-lbs.)
8 mm	20-26 N·m (14-19 ft.-lbs.)
Gearcase Pinion Nut	18-22 N·m (13-16 ft.-lbs.)
Propeller Shaft Nut	27-30 N·m (19-21 ft.-lbs.)
Standard Screws:	
Unmarked or Marked "4"	
5 mm	2-4 N·m (2-3 ft.-lbs.)
6 mm	4-7 N·m (3-5 ft.-lbs.)
8 mm	10-16 N·m (7-12 ft.-lbs.)
10 mm	22-35 N·m (16-26 ft.-lbs.)
Stainless Steel	
5 mm	2-4 N·m (2-3 ft.-lbs.)
6 mm	6-10 N·m (5-7 ft.-lbs.)
8 mm	15-20 N·m (11-15 ft.-lbs.)
10 mm	34-41 N·m (25-30 ft.-lbs.)
Marked "7" or SAE Grade 5	
5 mm	3-6 N·m (2-5 ft.-lbs.)
6 mm	8-12 N·m (6-9 ft.-lbs.)
8 mm	18-28 N·m (13-20 ft.-lbs.)
10 mm	40-60 N·m (29-44 ft.-lbs.)