

SUZUKI DT90 AND DT100

CONDENSED SERVICE DATA

NOTE: Metric fasteners are used throughout outboard motor.

TUNE-UP

Hp/rpm:	
DT90	90/5000-5600
DT100	100/5000-5600
Bore	84 mm (3.31 in.)
Stroke	64 mm (2.52 in.)
Number of Cylinders	4
Displacement	1419 cc (86.6 cu. in.)
Spark Plug	NGK BR8HS-10
Electrode Gap	0.9-1.0 mm (0.035-0.039 in.)
Ignition Type	Suzuki Microlink
Carburetor Make	Mikuni

SIZES—CLEARANCES

Piston Ring End Gap:	
Standard	0.20-0.40 mm (0.008-0.016 in.)
Wear Limit	0.80 mm (0.031 in.)
Standard Piston Diameter	83.865-83.880 mm (3.3018-3.3024 in.)
Standard Cylinder Diameter	84.000-84.015 mm (3.3071-3.3077 in.)
Piston-to-Cylinder Clearance:	
Standard	0.12-0.15 mm (0.005-0.006 in.)
Wear Limit	0.22 mm (0.0087 in.)
Piston Pin Diameter:	
Standard	19.995-20.000 mm (0.7872-0.7874 in.)
Wear Limit	19.980 mm (0.7866 in.)
Piston Pin Bore Diameter:	
Standard	20.002-20.010 mm (0.7875-0.7878 in.)
Wear Limit	20.030 mm (0.7886 in.)
Max. Allowable Crankshaft Runout at Main Bearing Journal	0.05 mm (0.002 in.)
Max. Allowable Connecting Rod Small End Side Shake	5.0 mm (0.20 in.)

TIGHTENING TORQUES

Cylinder Head Cover	8-12 N·m (71-106 in.-lbs.)
Cylinder Head	28-32 N·m (21-24 ft.-lbs.)
Cylinders	46-54 N·m (34-40 ft.-lbs.)
Exhaust Cover	8-12 N·m (71-106 in.-lbs.)
Flywheel Nut	250-260 N·m (184-192 ft.-lbs.)
Gearcase Pinion Nut	80-100 N·m (59-73 ft.-lbs.)
Propeller Shaft Nut	50-62 N·m (37-45 ft.-lbs.)
Water Pump Housing	15-20 N·m (11-14 ft.-lbs.)
Standard Screws:	
Unmarked or Marked "4"	
5 mm	2-4 N·m (18-35 in.-lbs.)
6 mm	4-7 N·m (35-62 in.-lbs.)
8 mm	10-16 N·m (88-141 in.-lbs.)
10 mm	22-35 N·m (16-25 ft.-lbs.)
Stainless Steel	
5 mm	2-4 N·m (18-35 in.-lbs.)
6 mm	6-10 N·m (53-88 in.-lbs.)
8 mm	15-20 N·m (11-14 ft.-lbs.)
10 mm	34-41 N·m (25-30 ft.-lbs.)
Marked "7"	
5 mm	3-6 N·m (26-53 in.-lbs.)
6 mm	8-12 N·m (71-106 in.-lbs.)
8 mm	18-20 N·m (13-14 ft.-lbs.)
10 mm	40-60 N·m (29-44 ft.-lbs.)

LUBRICATION

The power head is lubricated by oil mixed with the fuel. All models are equipped with oil injection. The recommended oil is Suzuki Outboard Motor Oil or a suitable equivalent NMMA certified

TC-WII engine oil. The recommended fuel is unleaded gasoline with a minimum pump octane rating of 85.

During break-in (first five hours of operation), a 50:1 fuel and oil mixture should be used in the fuel tank in combination with the oil injection system to

ensure adequate engine lubrication. After break-in period, switch to straight gasoline in the fuel tank.

The lower unit gears and bearings are lubricated by oil contained in the gearcase. The recommended oil is Suzuki Outboard Motor Gear Oil or a good qual-