

SUZUKI DT5, DT6 AND DT8

CONDENSED SERVICE DATA

NOTE: Metric fasteners are used throughout outboard motor.

TUNE-UP

Rp/rpm	5/4800-5500 6/5200-5700 8/5200-5700
Bore:	
5 Hp	.43 mm (1.69 in.)
6 & 8 Hp	.50 mm (1.97 in.)
Stroke:	
5 Hp	.39 mm (1.54 in.)
6 & 8 Hp	.42 mm (1.65 in.)
Number of Cylinders	2
Displacement:	
5 HP	113 cc (6.90 cu. in.)
6 & 8 Hp	165 cc (10.07 cu. in.)
Spark Plug:	
NGK	BP6HS
Electrode Gap	0.8-0.9 mm (0.031-0.035 in.)
Ignition Type	CDI
Carburetor Make	Mikuni
Idle Speed (in gear)	600-650 rpm
Fuel:Oil Ratio	See Text

SIZES—CLEARANCES

Piston Ring End Gap	0.10-0.30 mm (0.004-0.012 in.)
Piston to Cylinder Clearance	0.052-0.067 mm (0.0020-0.0026 in.)
Piston Pin Diameter	11.996-12.000 mm (0.4723-0.4724 in.)
Max. Crankshaft Runout at Main Bearing Journal	0.05 mm (0.002 in.)
Max. Connecting Rod Small End Side Shake	4.0 mm (0.160 in.)

TIGHTENING TORQUES

Power Head Mounting Screws	15-20 N-m (11-15 ft.-lbs.)
Crankcase	8-12 N-m (6-9 ft.-lbs.)
Flywheel Nut	60-70 N-m (44-52 ft.-lbs.)
Cylinder Head Screws	20-26 N-m (15-19 ft.-lbs.)
Standard Screws:	
5 mm	2-4 N-m (1-3 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.)

LUBRICATION

The power head is lubricated by oil mixed with the fuel. Recommended oil is Suzuki Outboard Motor Oil or a good quality NMMA certified TC-W two-stroke engine oil. Fuel:oil ratio should be 30:1 during break-in of a new or rebuilt engine. For normal service, fuel:oil ratio should be 50:1 on models prior to 1986 and 100:1 for 1986 and later models. Manufacturer recommends regular or unleaded automotive gasoline having an 85-95 octane rating.

Gasoline and oil should be thoroughly mixed.

The lower unit gears and bearings are lubricated by approximately 240 mL (8.1 oz.) of SAE 90 hypoid outboard gear oil. Reinstall vent and fill plugs securely using a new gasket, if necessary, to ensure a water tight seal.

FUEL SYSTEM

CARBURETOR. A Mikuni BV-18-15 carburetor is used on DT5 models, Mikuni

BV-18-14 is used on DT6 models and Mikuni BV-24-18 is used on DT8 models. Refer to Fig. S24-1 for exploded view. Initial setting of pilot air screw (13) should be 3/4 to 1-1/4 turns out from a lightly seated position on Models DT5 and DT8, and 1-3/4 to 2-1/4 turns out on Model DT6. Final carburetor adjustment should be performed with engine at normal operating temperature and running in forward gear. Adjust idle speed screw (11) so engine idles at approximately 600-650 rpm. Adjust pilot air screw (13)

Suzuki Dt 115 Service Manual

Judd E. Hollander



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