

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
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Displacement:

5 HP	113 cc
	(6.90 cu. in.)

6 & 8 Hp	165 cc
	(10.07 cu. in.)

Spark Plug:

NGK	BP6HS
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Electrode Gap	0.8-0.9 mm
	(0.031-0.035 in.)

Ignition Type	CDI
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Carburetor Make	Mikuni
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Idle Speed (in gear)	600-650 rpm
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Fuel:Oil Ratio	See Text
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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 Dt6 Manual

Jeremy Churchill



Suzuki Dt6 Manual:

Suzuki Suzuki, Motor Co. Ltd,1977 **Suzuki Outboard Motor** ,1987 **Suzuki 2-140 HP OB 77-1984** Penton Staff,2000-05-24 DT2 DT3 5 DT4 5 DT5 DT6 DT7 5 DT8 DT9 DT9 9 DT15 DT16 DT20 DT25 DT30 DT40 DT50 50M DT60 DT65 DT75 DT85 DT115 DT140 Suzuki DT 3.5 Service Manual ,1979 **Suzuki: Service Manual** Suzuki Motor Corporation (Hamamatsu), *Suzuki 2-225 HP OB & Jt D85-91* Penton Staff,2000-05-24 DT 2 DT 4 DT 6 DT 8 DT 8 SAIL DT 9 9 DT 9 9 SAIL DT 15 DT 20 DT 25 DT 30 DT 35 DT 40 DT 55 DT 65 DT 75 DT 85 DT 90 DT 100 DT 100 SUPER FOUR DT 115 DT 140 DT 150 DT 150 SUPER SIX DT 175 DT 200 DT 200 EXANTE DT 225 **Suzuki 2-Stroke OB 2-65 hp 92-99** Penton Staff,2000-05-24 DT2 DT2 2 DT4 DT5 DT6 DT8 DT9 9 DT15 DT25 DT30 DT40 DT55 DT65 PU40 PU55 *Suzuki GT, ZR & TS50* Jeremy Churchill,1984 **Suzuki Service Manual** ,1969 Suzuki Ts 50x Owner S Workshop Manual Richard Stone,Stone Richard Staff,1994-12-01 *Suzuki FZ50* Martin Meek,1980 **Suzuki GT, ZR & TS50 Owners Workshop Manual** Jeremy Churchill,1986 Suzuki TS50 X Owners Workshop Manual Richard Stone,1993 **Suzuki C550 & 80 Roadie Owners Workshop Manual** Jeremy Churchill,1984 Suzuki FZ50 Suzy Owners Workshop Manual Martyn Meek,Pete Shoemark,1987 *Suzuki Service Manual T500-II* Suzuki Motor Co. Ltd,1969 **Suzuki Carry Da63t English Factory Parts Manual** James Danko,2014-11-15 Suzuki Carry DA63T English Factory Parts Manual Over 360 pages of illustrations and part numbers for every part on the Suzuki DA63T Truck A must for repairing your Suzuki DA63T series vehicle Easy to use broken down into six easy to read sections Engine Transmission Driveline Electrical components Suspension Brakes Body Chassis and Air Conditioning Includes component replacement labor times for repair garages All vehicle option parts included in this handy manual A must have for the professional to rebuild components locate parts or reference for all components on the DA63T You can also order parts by following the links in the back of the book *Suzuki Service Manual* Suzuki Jidōsha Kōgyō Kabushiki Kaisha,1971 **Suzuki LT230 & LT250 85-90** Penton Staff,2000-05-24 LT230S Chain Drive 1985 1988 LT F230G Shaft Drive 1985 1987 LT230G Shaft Drive 1985 1986 LT250S Chain Drive 1989 1990 *Suzuki Trail Bikes Owners Workshop Manual* Chris Rogers (Writer on automotive engineering),1982

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