

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 Hp43 mm
	(1.69 in.)

6 & 8 Hp50 mm
	(1.97 in.)

Stroke:

5 Hp39 mm
	(1.54 in.)

6 & 8 Hp42 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
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)

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Suzuki Suzuki, Motor Co. Ltd,1977 *Suzuki Outboard Motor* ,1987 Suzuki Outboard Motor, DT9.9 ,1977

Suzuki Outboard Motor DT 50/60/65 ,1987 *Suzuki Outboard Motor, DT14-16 ,1977* **Suzuki Outboard Motor, DT2 ,1976*** **Suzuki Outboard Motor, DT50E** ,1977 **Suzuki Outboard Motor, DT7.5-9** ,1976 **Suzuki**

Outboard Motor, DT20-20E [and] DT25-25E ,1977 **Suzuki Outboard Motor** ,1980 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 Outboard Repair and Maintenance Manual* Pasquale De Marco,2025-04-24

Suzuki outboards are renowned for their reliability performance and durability This comprehensive manual provides the knowledge and skills needed to keep your Suzuki outboard in top condition from routine maintenance and troubleshooting to advanced repairs and modifications With detailed instructions step by step procedures and helpful illustrations this manual covers all aspects of Suzuki outboard care and maintenance including Routine maintenance and care such as changing oil and spark plugs cleaning the fuel system and lubricating moving parts Troubleshooting and diagnostics including identifying common problems using diagnostic tools and interpreting error codes Engine overhaul and repair including disassembling the engine inspecting and replacing components and reassembling the engine Lower unit service and repair including removing and inspecting the lower unit replacing seals and bearings and troubleshooting propeller issues Electrical system maintenance and repair including testing batteries tracing wiring diagrams and repairing electrical components Fuel system maintenance and repair including cleaning fuel lines and filters troubleshooting and repairing fuel injectors and adjusting the fuel mixture Cooling system maintenance and repair including flushing and refilling the cooling system troubleshooting and repairing water pumps and inspecting and replacing thermostats Winterization and storage including preparing your outboard for winter storage draining and preserving the fuel system fogging the engine and cylinders and protecting exterior components Performance tuning and modifications including understanding engine performance factors modifying the air intake system upgrading the exhaust system adjusting the ignition timing and selecting the right propeller Whether you re a DIY enthusiast or a professional mechanic this manual is an essential resource for anyone who wants to keep their Suzuki outboard running smoothly and reliably With clear and easy to understand language this manual provides the knowledge and skills needed to maintain and repair your Suzuki outboard ensuring years of trouble free operation If you like this book write a review on google books **Suzuki DT25 Service Manual** Suzuki Motor Co,1976 *Suzuki 2-225 HP OB & Jt D85-91*

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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 **4-stroke outboard motor DF60/70 seminar handbook for Suzuki Marine distributors** ,1998

Suzuki: Service Manual Suzuki Motor Corporation (Hamamatsu), *Suzuki Service Manual T500-II* Suzuki Motor Co.

Ltd,1969 *Suzuki DT 3.5 Service Manual* ,1979 *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 Service Manual Suzuki Motor Company,

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