

## 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 .....

|                |                 |
|----------------|-----------------|
| 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 Dt6 6hp Outboard Service Manual

**Katrin Zwirgmaier**



## **Suzuki Dt6 6hp Outboard Service Manual:**

## **Suzuki Dt6 6hp Outboard Service Manual** Book Review: Unveiling the Magic of Language

In an electronic era where connections and knowledge reign supreme, the enchanting power of language has are more apparent than ever. Its ability to stir emotions, provoke thought, and instigate transformation is really remarkable. This extraordinary book, aptly titled "**Suzuki Dt6 6hp Outboard Service Manual**," compiled by a highly acclaimed author, immerses readers in a captivating exploration of the significance of language and its profound effect on our existence. Throughout this critique, we shall delve in to the book is central themes, evaluate its unique writing style, and assess its overall influence on its readership.

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