

Gehl 650
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Service Manual

50940441 Rev. B 11/19

SUZUKI

GSF600

SERVICE MANUAL



99500-35044-01E

FOREWORD

This manual contains an introductory description on SUZUKI GSF600 and procedures for its inspection/service and overhaul of its main components.

Other information considered as generally known is not included.

Read GENERAL INFORMATION section to familiarize yourself with outline of the vehicle and MAINTENANCE and other sections to use as a guide for proper inspection and service.

This manual will help you know the vehicle better so that you can assure your customers of your optimum and quick service.

** This manual has been prepared on the basis of the latest specification at the time of publication.*

If modification has been made since then, difference may exist between the content of this manual and the actual vehicle.

** Illustrations in this manual are used to show the basic principles of operation and work procedures.*

They may not represent the actual vehicle exactly in detail.

** This manual is intended for those who have enough knowledge and skills for servicing SUZUKI vehicles. Without such knowledge and skills, you should not attempt servicing by relying on this manual only.*

Instead, please contact your nearby authorized SUZUKI motorcycle dealer.

SUZUKI MOTOR CORPORATION

Motorcycle Service Department

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VALVE CLEARANCE

Inspect Initially at 1 000 km (600 miles, 2 months)
and Every 6 000 km (4 000 miles, 12 months).

- Remove the seat and fuel tank.
- Remove the all spark plugs.
- Remove the cylinder head cover.

The valve clearance specification is different for both intake and exhaust valves.

Valve clearance adjustment must be checked and adjusted
1) at the time of periodic inspection, 2) when the valve mechanism is serviced, and 3) when the camshafts are disturbed by removing them for servicing.

Valve clearance (when cold):

IN. : 0.10–0.15 mm (0.004–0.006 in)

EX.: 0.18–0.23 mm (0.007–0.009 in)

NOTE:

- * The cam must be at positions, **A** or **B**, in order to check the valve clearance or to adjust valve clearance. Clearance readings should not be taken with the cam in any other position than these two positions.
- * The clearance specification is for COLD state.
- * To turn the crankshaft for clearance checking, be sure to use a 19-mm wrench and rotate in the normal running direction. All spark plugs should be removed.

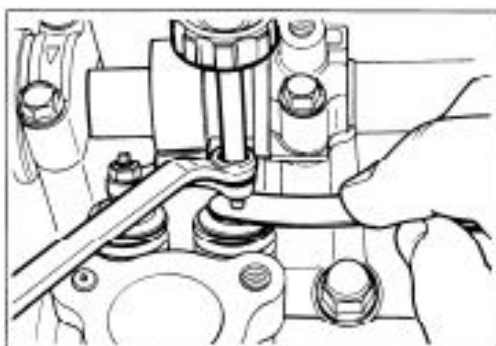
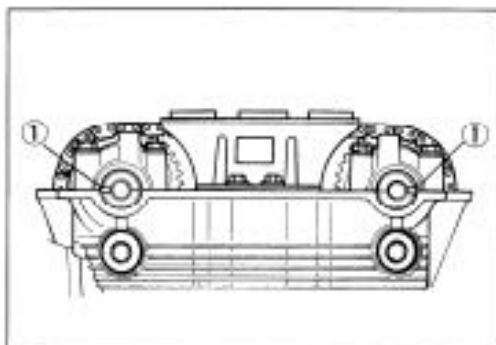
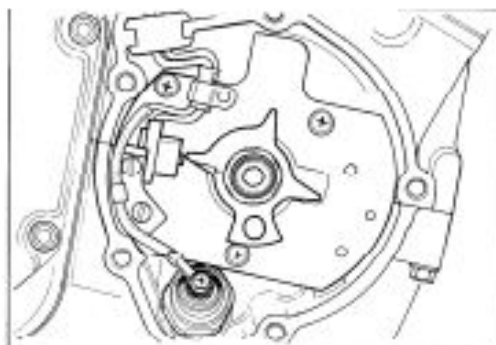
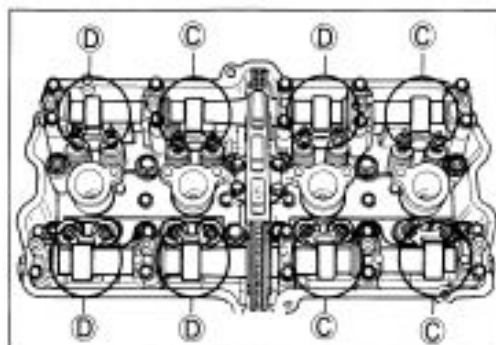
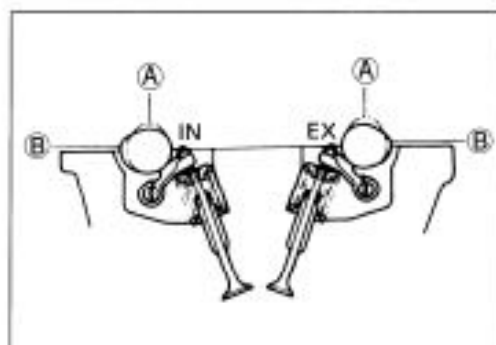
- Turn crankshaft to bring the "T" mark on the rotor to the center of pick up coil and also to bring the notches ① in the right ends of both camshafts (Ex and In) to the positions shown. In this condition, read the valve clearance at the valves **C** (In and Ex of No.1 cylinder, Ex of No.2 and In of No.3).

- Use thickness gauge between adjusting screw and valve stem end. If clearance is off the specification, bring it into the specified range by using the special tool.



09900-20803: Thickness gauge

09917-14910: Valve adjuster driver



1995-1999 Suzuki GSF600 Motorcycle Service Repair Workshop Manual

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Machine model :

GSF600

Manual Covers:

*General Information

*Periodic Maintenance

*Engine

*Fuel And Lubrication System

*Chassis

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*GSF600X/SX (◆◆◆99-MODEL)

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