

# Suzuki SX4 2006-2014 Workshop Manual

Engine Mechanical: 10-45

Engine Mechanical: 10-23

## Oil Bearings Inspection

### General Information

Service main bearings are available in standard size and 0.25 mm (0.0098 in.) undersize, and each of them has 5 kinds of bearings offering in clearance.

Upper half of bearing (1) has oil groove (2) as shown in figure.

Install this half with oil groove to cylinder block.

Lower half of bearing does not have an oil groove.



### Visual Inspection

Check bearings for pitting, scratches, wear or damage. Any malfunction is found, replace both upper and lower halves. Never replace either half without replacing a other half.

## Oil Bearing Clearance

### NOTE

Do not rotate crankshaft while gauging plates is installed.

Check clearance by using gauging plates according to following procedure.

- 1) Remove bearing caps.
- 2) Clean bearings and main journals.
- 3) Place a piece of gauging plate (1) the full width of bearing (parallel to crankshaft) on journal, and set up oil hole.



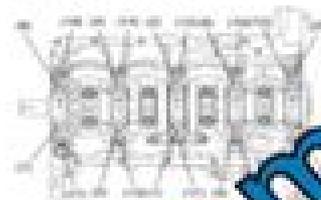
- 4) Tighten main bearing cap No.1 bolts (7) - (10) and main bearing cap No.2 bolts (11) - (20) gradually as follows.

- a) Tighten bolts (7) - (10) to 30 N·m (2.0 kgf-m, 22.0 ft-lb) according to numerical order in figure.
- b) In the same manner as in Step a), tighten them to 50 N·m (3.0 kgf-m, 36.5 ft-lb).
- c) In the same manner as in Step a), retighten them to 60°.
- d) Tighten bolts (11) - (20) to 25 N·m (2.0 kgf-m, 18.0 ft-lb) according to numerical order in figure.

### Tightening torque

Main bearing cap No.1 bolt (7) - (10):  
Tighten 30 N·m (2.0 kgf-m, 22.0 ft-lb), 50 N·m (3.0 kgf-m, 36.5 ft-lb) and 60° by the specified procedure.

Main bearing cap No.2 bolt (11) - (20):  
Tighten 25 N·m (2.0 kgf-m, 18.0 ft-lb) by the specified procedure.



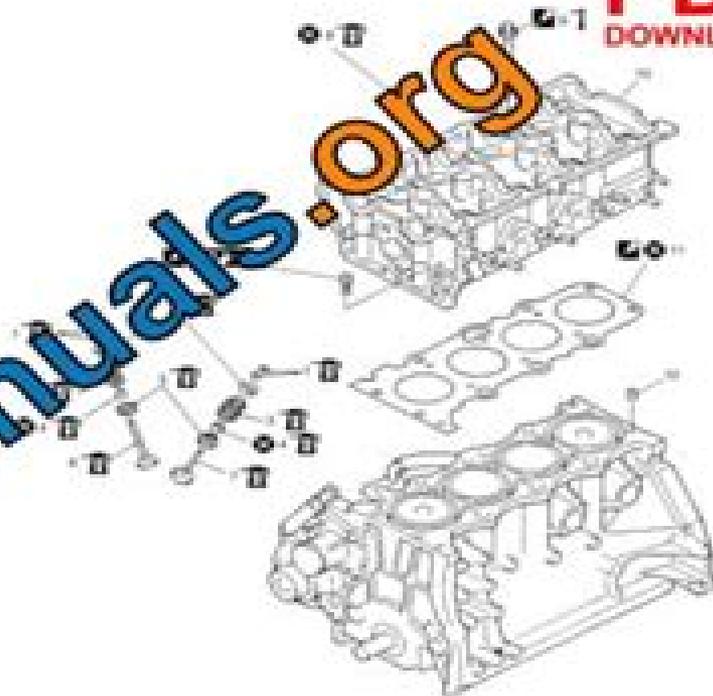
- 5) Remove bearing caps (1) or gauging plate (1) and check gauging plate width at its widest part. If it exceeds its limit, replace bearings. Do not reuse both upper and lower halves. They produce proper clearance. It will be necessary to regrind journal surface for use of 0.25 mm undersize.

After installing new bearing, recheck clearance.  
Oil bearing clearance  
Standard: 0.021 - 0.041 mm (0.0008 - 0.0016 in.)  
Limit: 0.054 mm (0.0021 in.)



## Cylinder Head Components

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Part No.	Description	Quantity	Notes
1	Cylinder head	1	Do not reuse.
2	Cylinder head gasket	1	Do not reuse.
3	Cylinder head bolt	10	Do not reuse.
4	Cylinder head nut	10	Do not reuse.
5	Cylinder head cap screw	10	Do not reuse.
6	Cylinder head cap screw	10	Do not reuse.
7	Cylinder head cap screw	10	Do not reuse.
8	Cylinder head cap screw	10	Do not reuse.
9	Cylinder head cap screw	10	Do not reuse.
10	Cylinder head cap screw	10	Do not reuse.
11	Cylinder head cap screw	10	Do not reuse.
12	Cylinder head cap screw	10	Do not reuse.
13	Cylinder head cap screw	10	Do not reuse.
14	Cylinder head cap screw	10	Do not reuse.
15	Cylinder head cap screw	10	Do not reuse.
16	Cylinder head cap screw	10	Do not reuse.
17	Cylinder head cap screw	10	Do not reuse.
18	Cylinder head cap screw	10	Do not reuse.
19	Cylinder head cap screw	10	Do not reuse.
20	Cylinder head cap screw	10	Do not reuse.

# Workshop Manual For Suzuki Sx4

**M Tight**



## Workshop Manual For Suzuki Sx4:

**Mastering CVT Transmission** Mohammed Hamed Ahmed Soliman,2025-08-23 Mastering CVT Transmissions is your complete guide to understanding maintaining and repairing modern continuously variable transmissions CVTs Written by Dr Mohammed Hamed Ahmed Soliman an international expert in Lean Maintenance reliability and automotive systems this book combines deep technical knowledge with real world experience What you ll find inside Clear explanations of how CVTs work compared with manual automatic and dual clutch DCT systems Preventive predictive and corrective maintenance practices to extend transmission life Hands on procedures for fluid care filters diagnostics and full rebuilds Real case studies drawn from practical repair and teaching experience OBD based troubleshooting methods and failure prevention strategies Tables charts and appendices with essential specifications and capacities Why this book is different Dr Soliman not only studied CVTs academically but has rebuilt Nissan CVT units personally applying industrial best practices such as predictive maintenance infrared thermography vibration analysis oil condition monitoring and Lean principles His international career in manufacturing reliability engineering and automotive maintenance gives this book a unique blend of theory and practice Also by the author Dr Soliman has written several bestselling books in maintenance and reliability including Autonomous Car Maintenance Industrial Applications of Infrared Thermography Vibration Basics and Machine Reliability Simplified The Complete FMEA Handbook AI in Maintenance Reliability Machinery Oil Analysis Condition Monitoring Lean Maintenance Ultrasound Analysis for Condition Monitoring Maintenance Strategy Optimization Whether you are a driver mechanic or engineer this book equips you with the knowledge tools and confidence to master CVTs from everyday care to advanced diagnostics and rebuilds *Suzuki Ts 50x Owner S Workshop Manual* Richard Stone,Stone Richard Staff,1994-12-01

**Suzuki GT, ZR & TS50** Jeremy Churchill,1984 *Suzuki SJ Series & Vitara Owners Workshop Manual* Bob Henderson,A. K. Legg,1994 **Suzuki TS50 X Owners Workshop Manual** Richard Stone,1993 [Suzuki GS-GSX 250, 400 and 450 Twins Owners Workshop Manual, M736](#) John Haynes,1988-03-31 Haynes disassembles every subject vehicle and documents every step with thorough instructions and clear photos Haynes repair manuals are used by the pros but written for the do it yourselfer *Suzuki GS & GSX 250, 400 & 450 Twins Owners Workshop Manual* Chris Rogers,Pete Shoemark,1983 **Suzuki FZ50** Martin Meek,1980 **Suzuki GT, ZR & TS50 Owners Workshop Manual** Jeremy Churchill,1986 [Suzuki GS & GSX 250 and 400 Twins Owners Workshop Manual](#) Chris Rogers,1982-01-01 *Suzuki Samurai/Sidekick & Geo Tracker Automotive Repair Manual* Bob Henderson,John Harold Haynes,1995 Haynes disassembles every subject vehicle and documents every step with through instructions and clear photos Haynes repair manuals are used by the pros but written for the do it yourselfer [Suzuki C550 & 80 Roadie Owners Workshop Manual](#) Jeremy Churchill,1984 **Suzuki GP 100 & 125 Owners Workshop Manual** Chris Rogers,1982-01-01 *Veloce Suzuki T20 & T200 1965-1969 Factory Workshop Manual* Floyd Clymer,Velocepress,2009-06-01 A faithful reproduction of the 1970 Floyd

Clymer publication of the official factory Suzuki Workshop Manual for the T20 and T200 series of motorcycles including the 250cc Super Six and X6 Hustler and the 200cc X5 Invader and Sting Ray Scrambler There are comprehensive tables of technical data tolerances and fits and all of the expected data from a factory publication for the repair and overhaul of all major and minor mechanical and electrical components making it an invaluable resource for collectors and restorers of these classic Suzuki motorcycles There are 177 illustrations and each procedure is explained in a step by step method using an appropriate illustration The translation from Japanese to English is at times a little quirky but the illustrations make up for any difficulty in understanding what needs to be done Out of print and unavailable for many years this book is highly sought after on the secondary market and we are pleased to be able to offer this reproduction as a service to all Suzuki enthusiasts worldwide

*Suzuki GS550 and GS750 Fours Owners Workshop Manual, No. M363* John Haynes,1996-06-29 Haynes disassembles every subject vehicle and documents every step with thorough instructions and clear photos Haynes repair manuals are used by the pros but written for the do it yourselfer

*Suzuki Trail Bikes Owners Workshop Manual* Mansur Darlington,1975

*Suzuki Trail Bikes Owners Workshop Manual* Chris Rogers (Writer on automotive engineering),1982

*Suzuki GSF600 & 1200 Bandit Fours Service and Repair Manual* Matthew Coombs,1997 Suzuki GSF600 GSF1200 Bandit Fours 1995 97 Shop Manual Haynes Covers 6cc and 12cc models 256 pgs 614 b w ill

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bottom , you will need to lower the sub frame with the engine and trans attached . See steps 64 though steps ... how many labor hours to replace engine 3.0 2004 lincoln ls Jul 6, 2011 — The billable labor hours for this engine removal and transfer all needed parts is 20 hrs - 23.8hrs.This is from motor labor guide. SOLVED: I am removing a 3.9 engine on a lincoln ls 2000 Nov 8, 2009 — Remove the throttle body. Remove the 2 bolts, the nut and the upper intake manifold support bracket. Disconnect the RH CMP electrical connector. Can you remove an engine without the transmission? Jan 2, 2019 — In this case, it is easy to remove the engine alone and remounting the engine is also easy. Another method is Transmission and Engine forming ... removing transmission - Lincoln LS Questions Jul 10, 2011 — removing transmission 1 Answer. Transmission seal on FWD is leaking.... · Transmission 3 Answers. What would cause a transmission to freeze up? Lincoln LS The Lincoln LS is a four-door, five-passenger luxury sedan manufactured and marketed by Ford's Lincoln division over a single generation from 1999-2006.