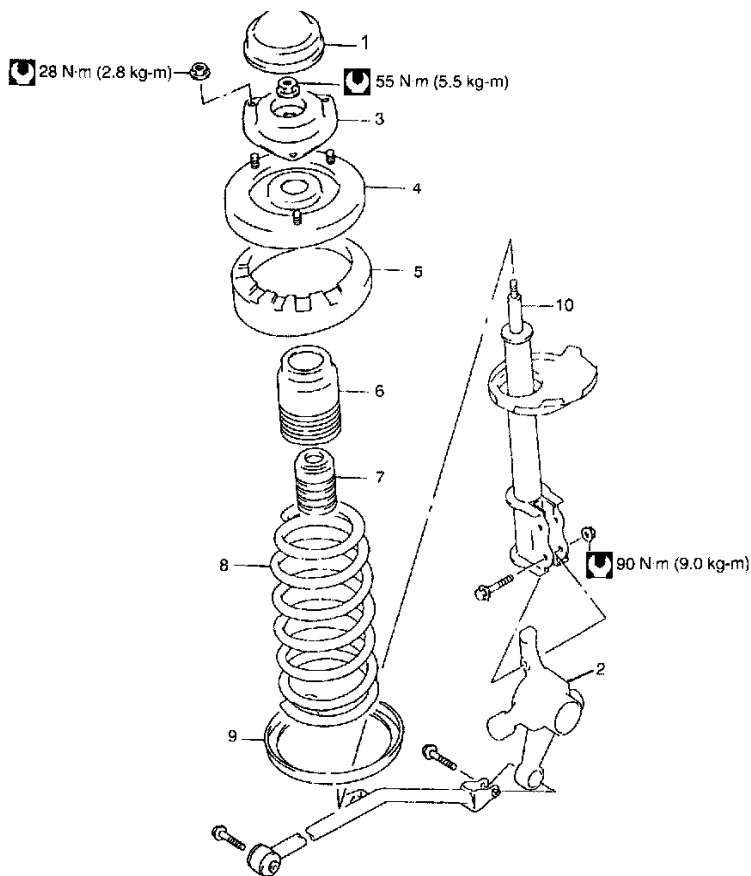


Strut: Service and Repair

Rear



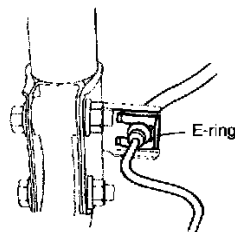
WARNING:
Strut with "GAS FILLED" stamp is filled with gas and oil. When handling it, make sure to observe the precautions (WARNING) of DISASSEMBLY.

1. Strut upper cap
2. Rear knuckle
3. Strut support
4. Spring upper seat
5. Spring (rubber) seat
6. Strut dust cover
7. Bump stopper
8. Coil spring
9. Spring lower seat
10. Strut

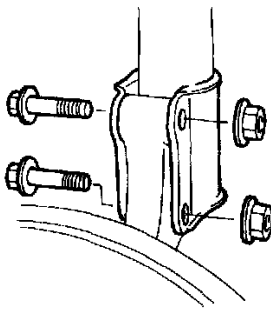
REAR STRUT ASSEMBLY REMOVAL

NOTE: When servicing component parts of strut assembly, loosen strut upper nut a little before removing strut assembly. This will make service work easier. Note, however, nut must not be removed at this point.

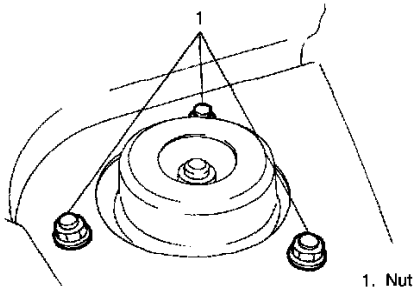
1. Hoist vehicle, allowing rear suspension to hang free.
2. Remove wheel.



3. Remove E-ring securing brake hose. Disconnect brake pipe from wheel cylinder and put wheel cylinder bleeder plug cap onto pipe to prevent fluid from spilling.



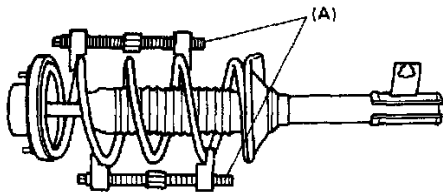
4. Remove strut bracket bolts and nuts. And then take brake hose off strut bracket using care not to deform brake pipe.



5. Remove strut support nuts. Hold strut by hand so that it will not fall off.

6. Remove strut assembly.

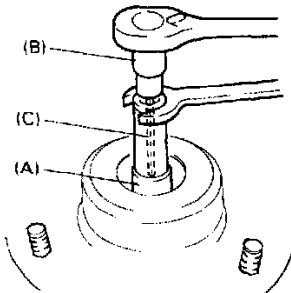
DISASSEMBLY



1. With special tool (A) placed to spring as shown, turn special tool bolts alternately until spring tension is released. Whether it is released or not can be known by whether strut turns lightly while strut spring is held stationary.

Special Tool

(A): 09940-71430



2. While keeping spring compressed with special tool as shown above, remove strut nut.

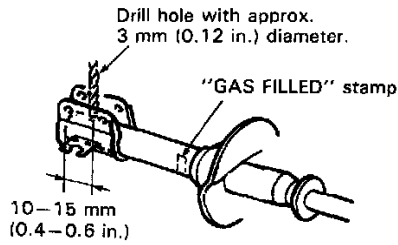
Special Tools

(A): 09945-26010 (17 mm socket)

(B): 09900-00411 (Socket)

(C): 09900-00414 (6 mm)

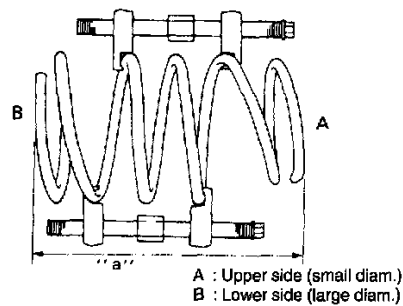
3. Disassemble parts.



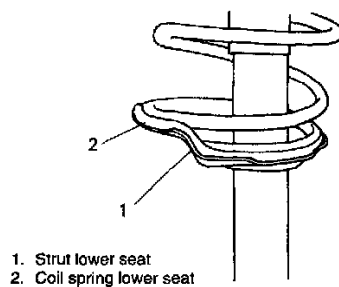
WARNING: Strut with "GAS FILLED" stamp is filled with gas and oil. When handling it, make sure to observe the following precautions:

- ^ Don't disassemble it.
- ^ Don't put it into the fire.
- ^ Don't store it where it gets hot.
- ^ Before disposing it, be sure to drill a hole in it where shown by an arrow in the figure and let gas out. Lay it down sideways for this work.
- ^ The gas itself is harmless but it may issue out of the hole together with chips generated by the drill. Therefore, be sure to wear goggle.

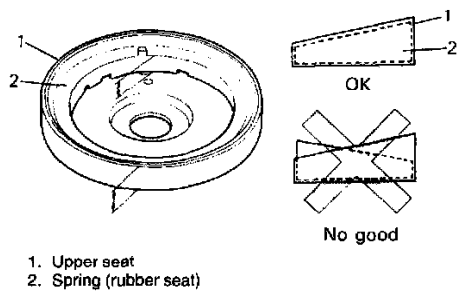
ASSEMBLY



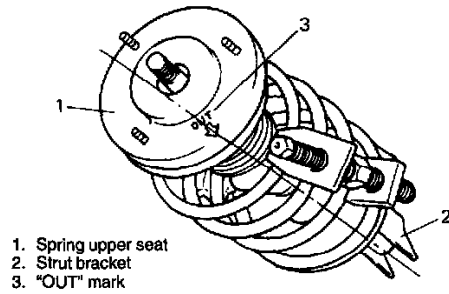
1. Compress spring with special tool (A) until total length becomes about 290 mm (11.42 inch) as shown.
Length "a": 290 mm (11.42 inch)



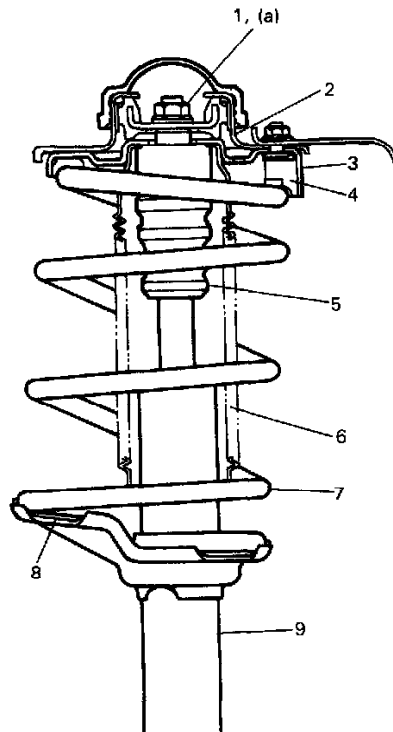
2. Install coil spring lower seat and compressing coil spring, mate large-diameter spring end with stepped part of lower seat as shown.
3. Install bump stopper onto strut rod. For installing direction, refer to figure shown in DISASSEMBLY.
4. Install dust cover onto bump stopper.



5. Fit coil spring (rubber) seat in coil spring upper seat, making sure that their depth matches all around. No part of rubber seat should stick out higher than upper seat.
6. Pull strut rod as far up as possible and use care not to allow it to retract into strut.



7. With "OUT" mark on spring upper seat and the center of strut bracket aligned, place upper spring seat together with spring (rubber) seat on coil spring.

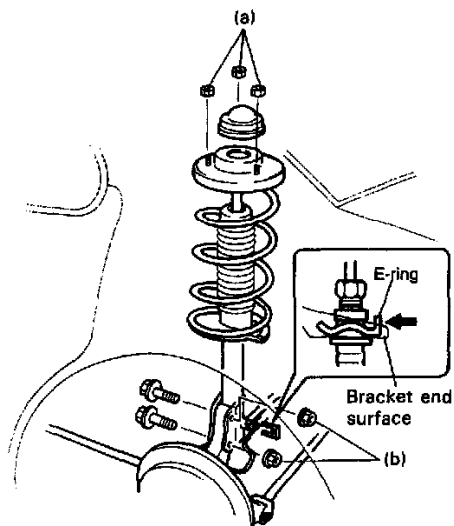


- | | |
|-------------------------|----------------------|
| 1. Strut upper nut | 6. Dust cover |
| 2. Strut support | 7. Coil spring |
| 3. Spring upper seat | 8. Spring lower seat |
| 4. Spring (rubber) seat | 9. Strut |
| 5. Bump stopper | |

8. Put strut support on spring upper seat. Tighten strut upper nut to specified torque and then apply waterproof coating (paint or lacquer) all around nut and strut rod thread.
- Tightening Torque (a): 55 Nm (5.5 kg-m, 40.0 ft. lbs.)

9. Loosen and remove special tool (A) from compressing coil spring. While loosening special tool, recheck that stepped part of spring seat and spring end are in place to each other as described in foregoing Step 2.
Also, check to make sure that "OUT" mark on upper seat is matched with the center of strut bracket as described in Step 7.

INSTALLATION



1. Install strut by reversing REMOVAL Steps 1-6. Insert bracket bolts in such a direction as shown in figure.
2. Torque all fasteners to specification.

Tightening Torque

- (a): 28 Nm (2.8 kg-m, 20.5 ft. lbs.)
- (b): 90 Nm (9.0 kg-m, 65.0 ft. lbs.)

NOTE: Don't be twisting brake hose when installing it. Install E-ring as far as it fits to bracket as shown.

3. Fill reservoir with brake fluid and bleed brake system.