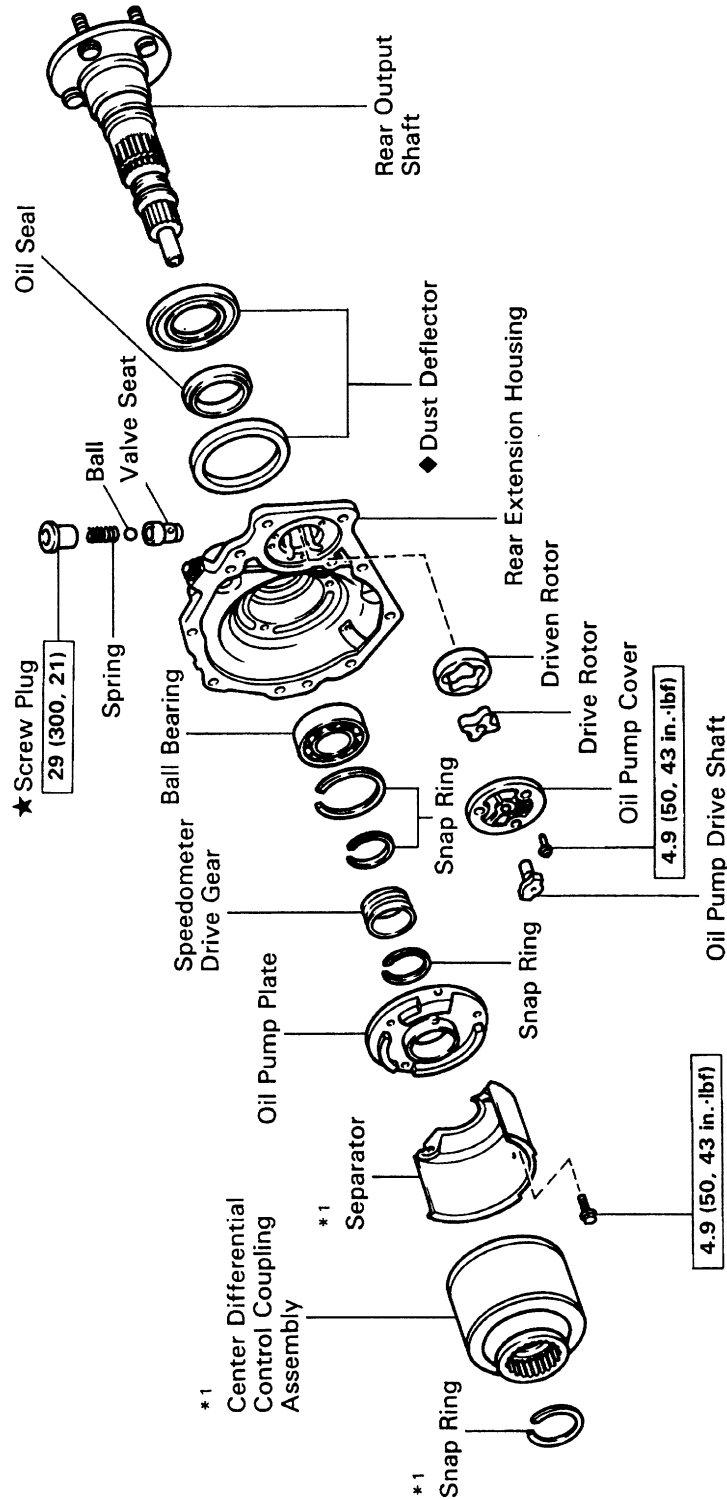


REAR EXTENSION HOUSING ASSEMBLY COMPONENTS

TR01Y-01

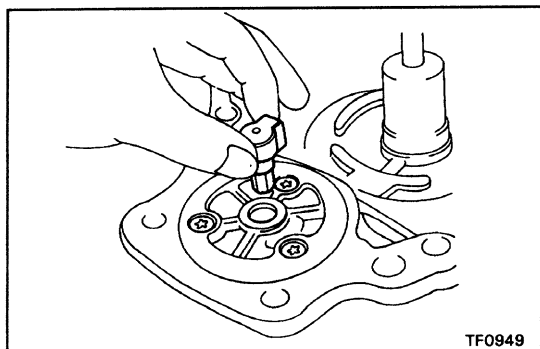


[N·m (kgf·cm, ft·lbf)] : Specified torque

◆ Non-reusable part

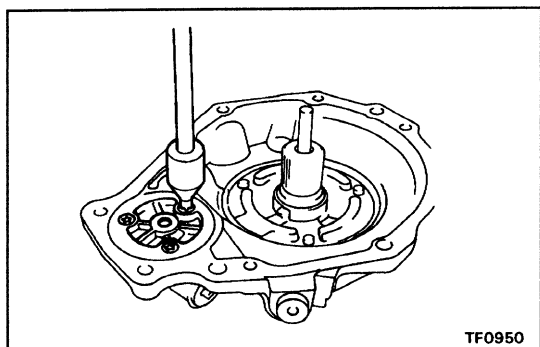
★ Precoated part

*1 w/ ABS



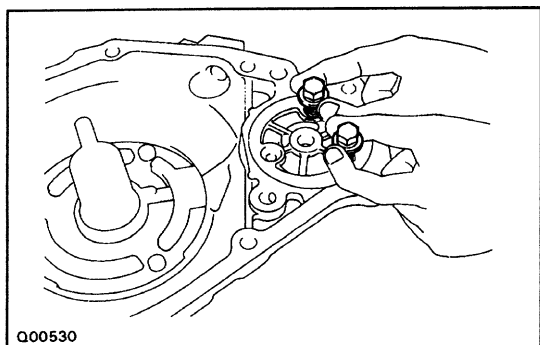
DISASSEMBLY OF REAR EXTENSION HOUSING ASSEMBLY

1. REMOVE OIL PUMP DRIVE SHAFT

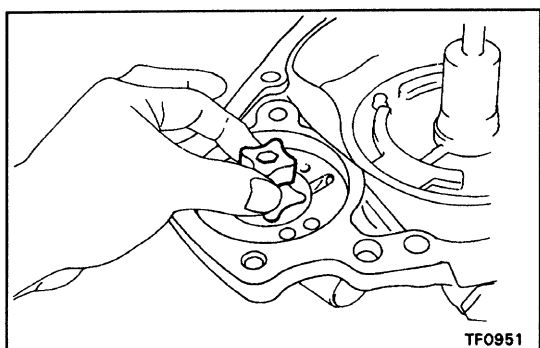


2. REMOVE OIL PUMP COVER

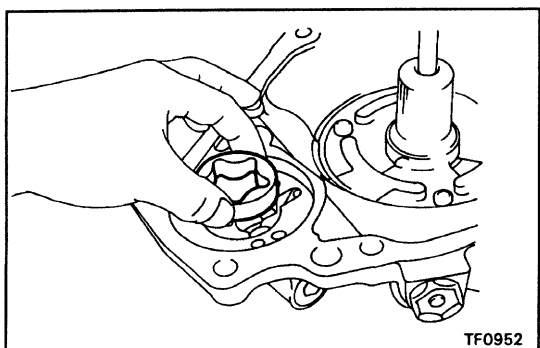
- (a) Using a torx socket wrench, remove the three screws.
(Torx socket wrench T30 09042-00010)



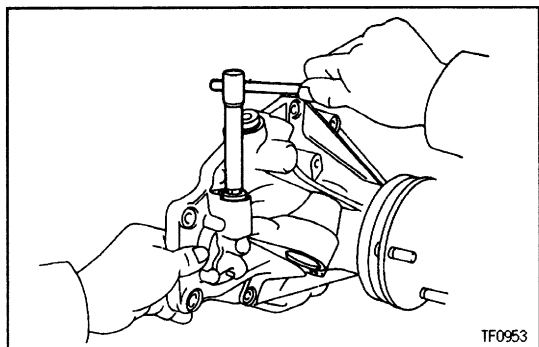
- (b) Install two suitable bolts to the pump cover.
- (c) Remove the pump cover from rear extension housing.



3. REMOVE DRIVE ROTOR

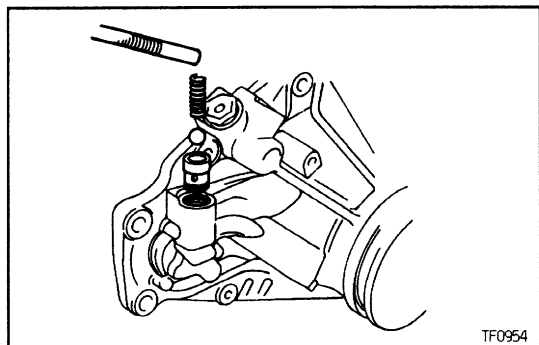


4. REMOVE DRIVEN ROTOR

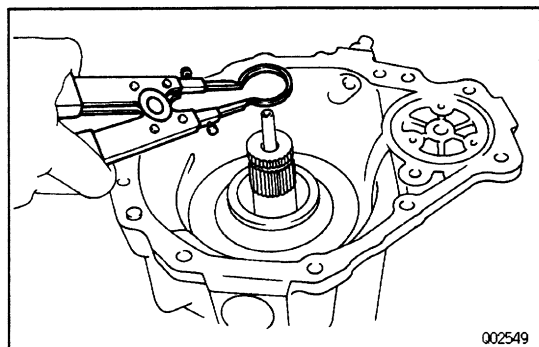


5. REMOVE SCREW PLUG, SPRING, BALL AND VALVE SEAT

(a) Using a hexagon wrench, remove the screw plug.



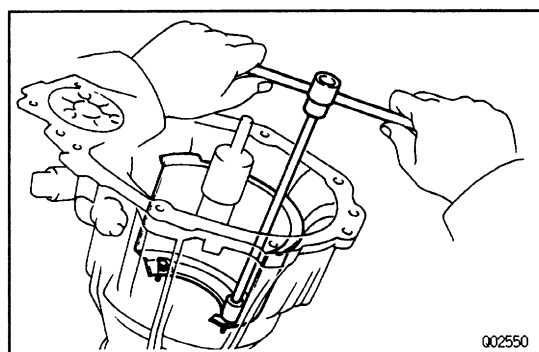
(b) Using a magnetic finger, remove the spring, ball and valve seat.



6. (w/ ABS) REMOVE CENTER DIFFERENTIAL CONTROL COUPLING ASSEMBLY

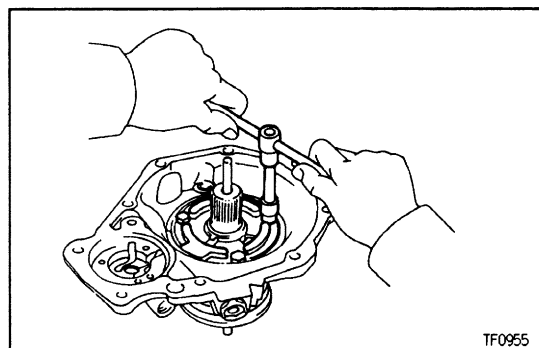
(a) Using snap ring pliers, remove the snap ring.

(b) Remove the coupling assembly.



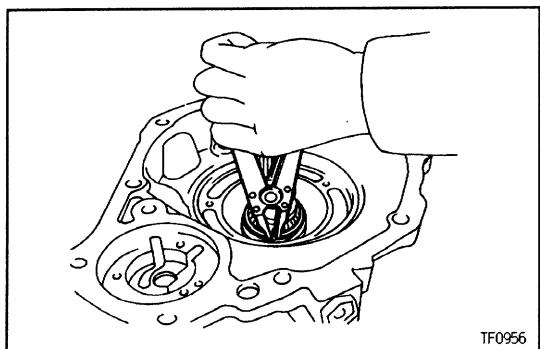
7. (w/ ABS) REMOVE SEPARATOR AND OIL PUMP PLATE

Remove the three bolts, the separator and the oil pump plate.

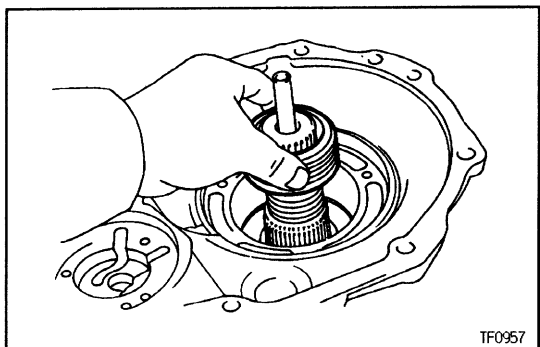


8. (w/o ABS) REMOVE OIL PUMP PLATE

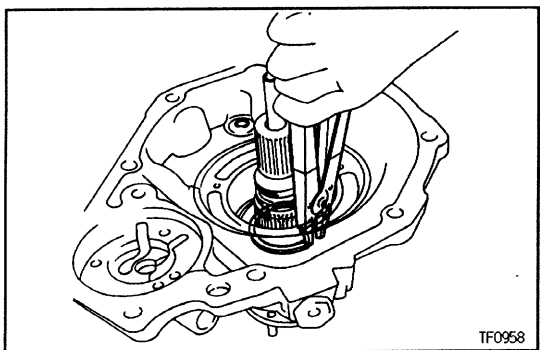
Remove the three bolts and the oil pump plate.

**9. REMOVE SPEED METER DRIVE GEAR**

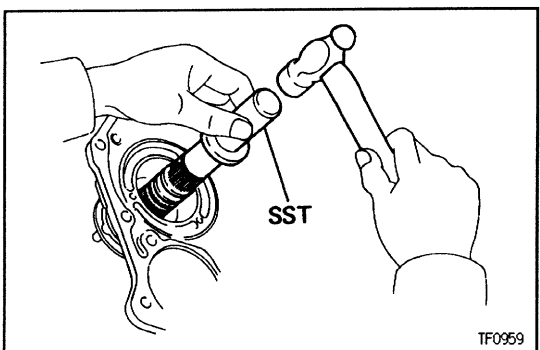
(a) Using snap ring pliers, remove the snap ring.



(b) Remove the speedometer drive gear.

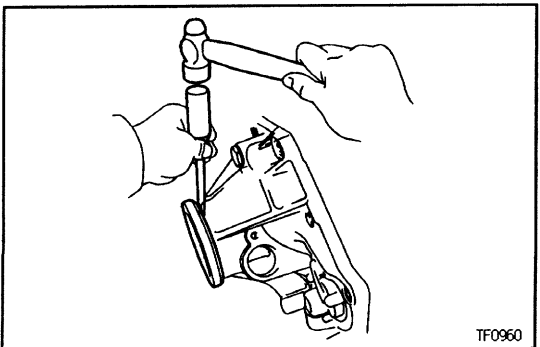
**10. REMOVE REAR OUTPUT SHAFT**

(a) Using snap ring pliers, remove the snap ring.

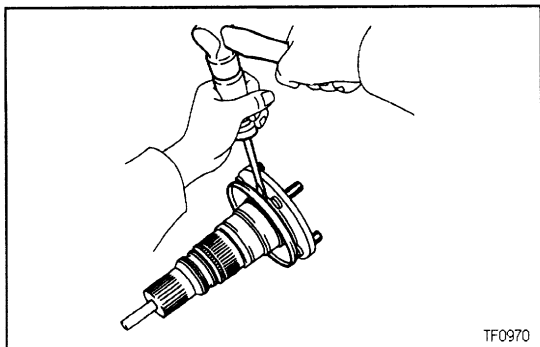


(b) Using SST and a hammer, remove the rear output shaft.

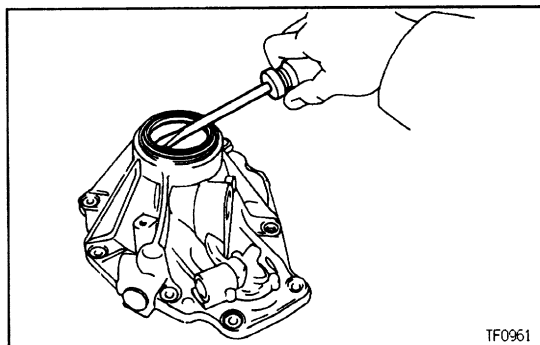
SST 09325-12010

**11. REMOVE DUST DEFLECTORS**

(a) Using a screwdriver and hammer, remove the rear extension housing dust deflectors.

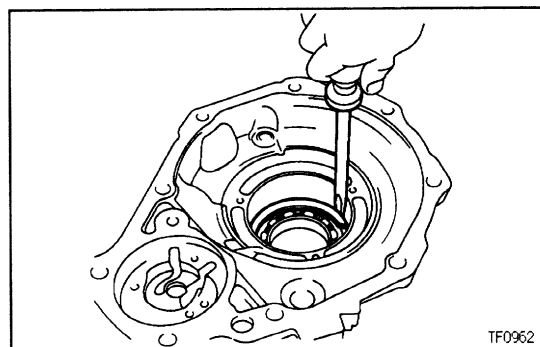


- (b) Using a screwdriver and hammer, remove the rear output shaft dust deflector.



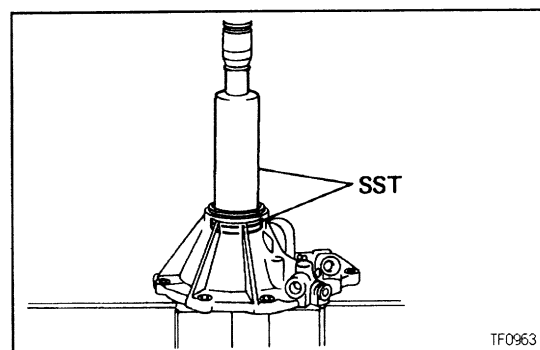
12. REMOVE OIL SEAL

Using a screwdriver, pry out the oil seal.

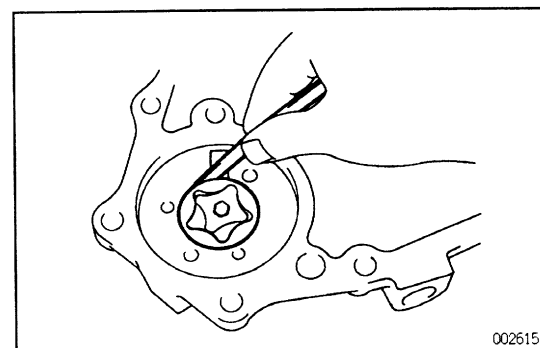


13. REMOVE BALL BEARING

- (a) Using a screwdriver, remove the snap ring.



- (b) Using SST and a press, remove the ball bearing.
SST 09316-60010 (09316-00010, 09316-00020)



INSPECTION OF OIL PUMP

1. CHECK BODY CLEARANCE OF DRIVEN ROTOR

Install the drive rotor to the driven rotor.

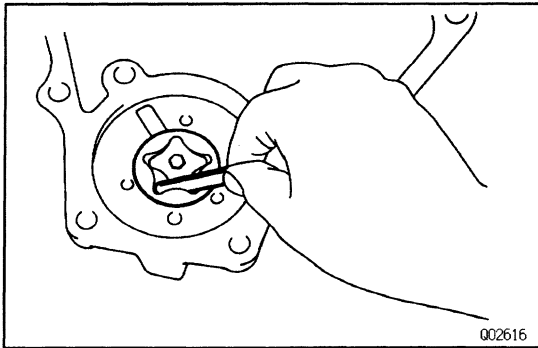
Using a feeler gauge, measure body clearance between drive rotor and extension housing.

Standard body clearance: 0.08 – 0.17 mm

(0.0031 – 0.0067 in.)

Maximum body clearance: 0.17 mm (0.0067 in.)

If the body clearance is greater than the maximum, replace the drive rotor or driven rotor.



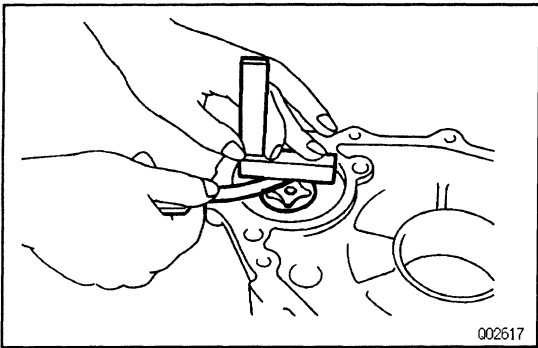
2. CHECK TIP CLEARANCE OF DRIVEN ROTOR

Using a feeler gauge, measure tip clearance between driver rotor and driven rotor.

**Standard tip clearance: 0.05 – 0.15 mm
(0.0020 – 0.0059 in.)**

Maximum tip clearance: 0.15 mm (0.0059 in.)

If the tip clearance is greater than the maximum, replace the drive rotor or driven rotor.



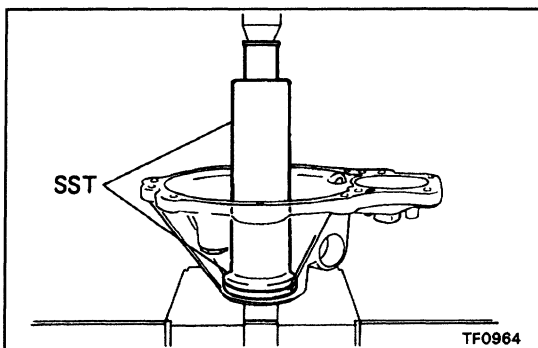
3. CHECK SIDE CLEARANCE OF OIL PUMP

Using a steel straight edge and a feeler gauge, measure the side clearance of oil pump.

**Standard side clearance: 0.03 – 0.10 mm
(0.0012 – 0.0039 in.)**

Maximum side clearance: 0.10 mm (0.0039 in.)

If the side clearance greater than the maximum, replace the drive rotor or driven rotor.



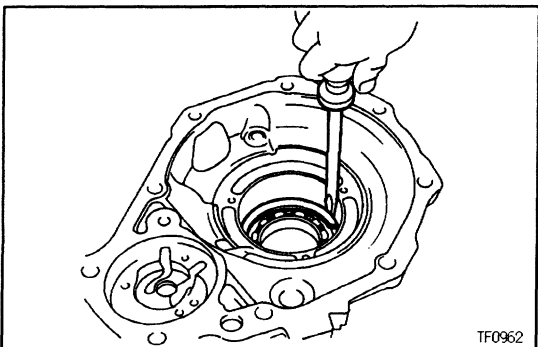
ASSEMBLY OF REAR EXTENSION HOUSING ASSEMBLY

TR021-01

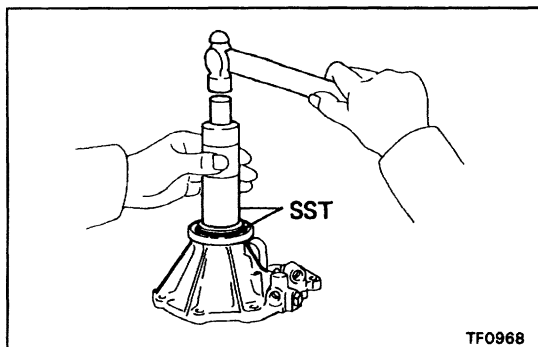
1. INSTALL BALL BEARING

(a) Using SST and a press, install the ball bearing.

SST 09316-60010 (09316-00010, 09316-00030)



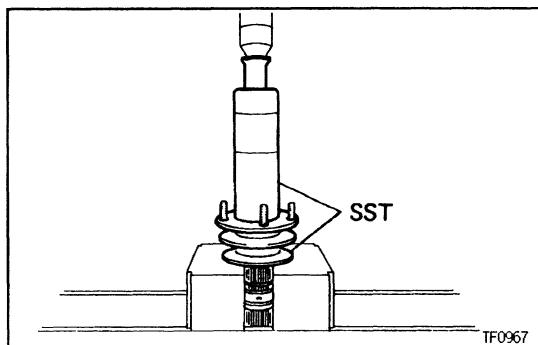
(b) Using a screwdriver, install the snap ring.



2. INSTALL DUST DEFLECTORS

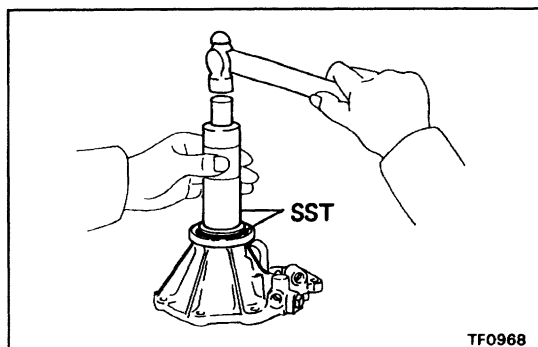
- (a) Using SST and a hammer, install a new rear extension housing dust deflector.

SST 09316-60010 (09316-00010, 09316-00040)



- (b) Using SST and a press, install a new rear extension housing dust deflector.

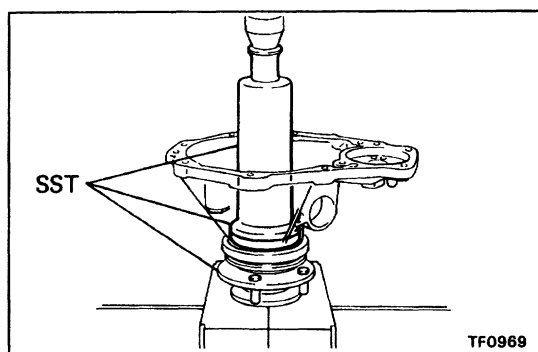
SST 09316-20011, 09316-60010,
(09316-00010)



3. INSTALL OIL SEAL

Using SST and a hammer, drive in a new oil seal.

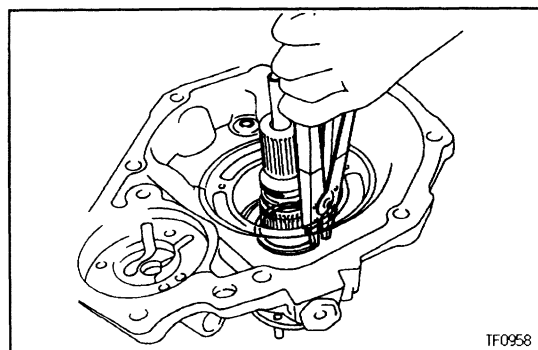
SST 09316 - 60010 (09316 - 00010, 09316 - 00030)



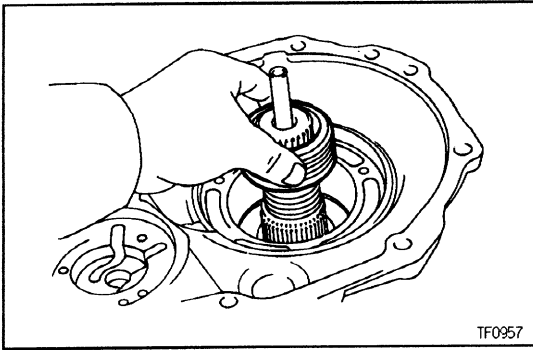
4. INSTALL REAR OUTPUT SHAFT

- (a) Using SST and a press, install the rear output shaft.

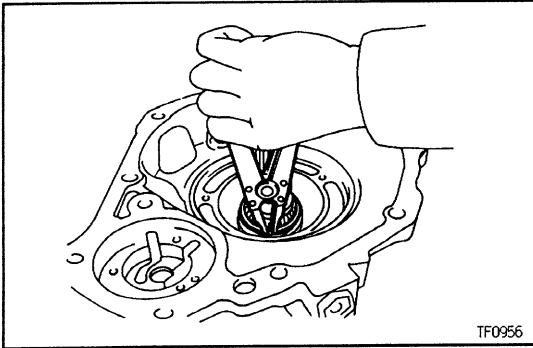
SST 09316-60010 (09316-00010, 09316-00030)
09316-20011



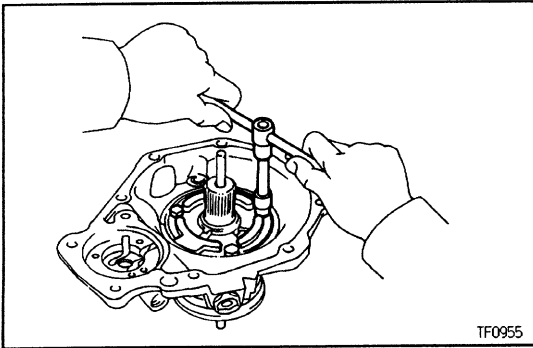
- (b) Using snap ring pliers, install the snap ring.

**5. INSTALL SPEEDOMETER DRIVE GEAR**

- (a) Install the speedometer drive gear.

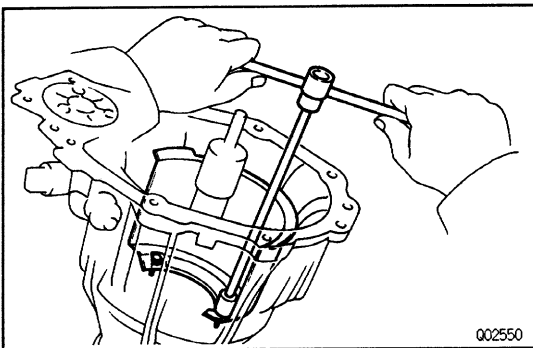


- (b) Using snap ring pliers, install the snap ring.

**6. (w/o ABS) INSTALL OIL PUMP PLATE**

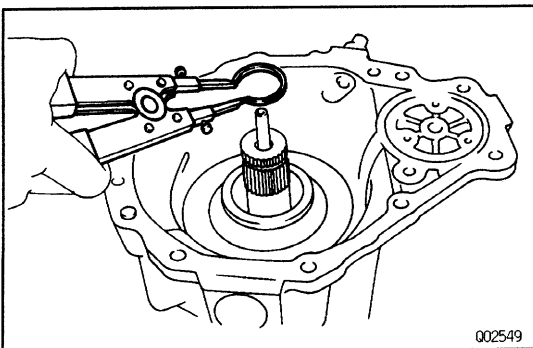
- (a) Install the oil pump plate.
(b) Install and torque the three bolts.

Torque: 4.9 N-m (50 kgf-cm, 43 in.-lbf)

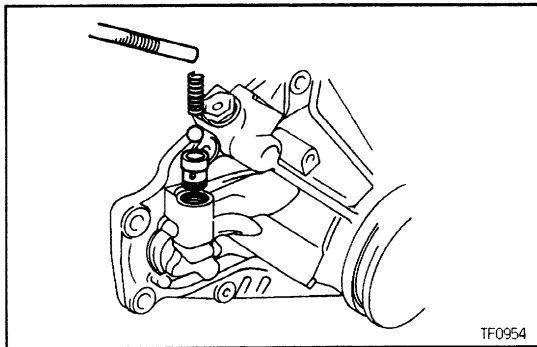
**7. (w/ ABS) INSTALL OIL PUMP PLATE SEPARATOR**

- (a) Install the oil pump plate.
(b) Install the separator.
(c) Install and torque the three bolts.

Torque: 4.9 N-m (50 kgf-cm, 43 in.-lbf)

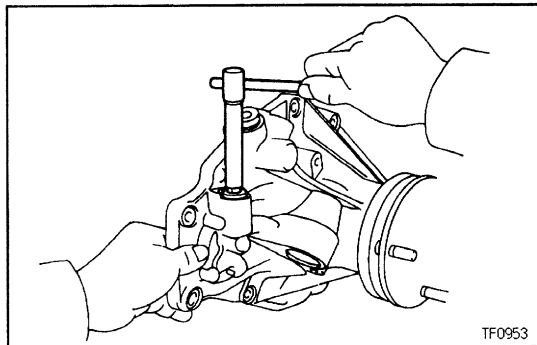
**8. (w/ ABS) INSTALL CENTER DIFFERENTIAL CONTROL COUPLING ASSEMBLY**

- (a) Install the coupling assembly.
(b) Using snap ring pliers, install the snap ring.

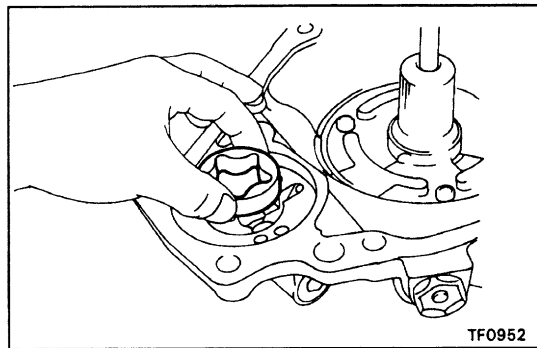


9. INSTALL VALVE SEAT, BALL, SPRING AND SCREW PLUG

- (a) Apply gear oil to the ball.
- (b) Install the valve seat, ball and spring.

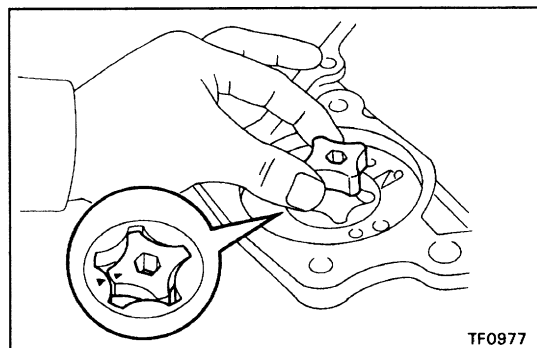


- (c) Apply liquid sealer to the screw plug.
Sealant: Part No. 08833-00080, THREE BOND 1344, LOCTITE 242 or equivalent
- (d) Using a hexagon wrench, install and torque the screw plug.
Torque: 29 N-m (300 kgf-cm, 21 ft-lbf)



10. INSTALL DRIVEN ROTOR

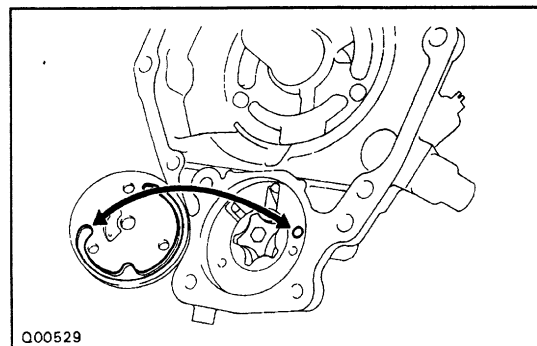
- (a) Apply gear oil to the driven rotor.
- (b) Install the driven rotor.



11. INSTALL DRIVE ROTOR

- (a) Apply gear oil to the drive rotor.
- (b) Install the drive rotor.

HINT: Align the alignment marks.



12. INSTALL OIL PUMP COVER

- (a) Install the oil pump cover.
- (b) Using a torx socket wrench, install and torque the three screws.

(Torx socket wrench T30 09042-00010)

Torque: 4.9 N-m (50 kgf-cm, 43 in.·lbf)

NOTICE: Align the oil hole of the rear extension housing and oil groove end of the oil pump cover.