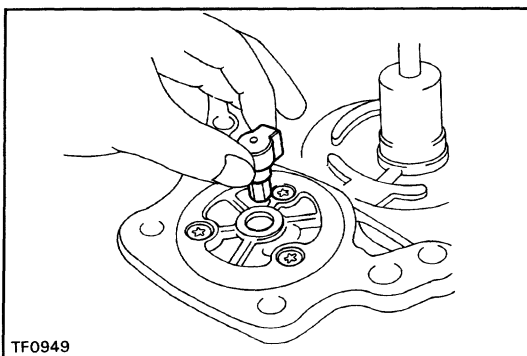
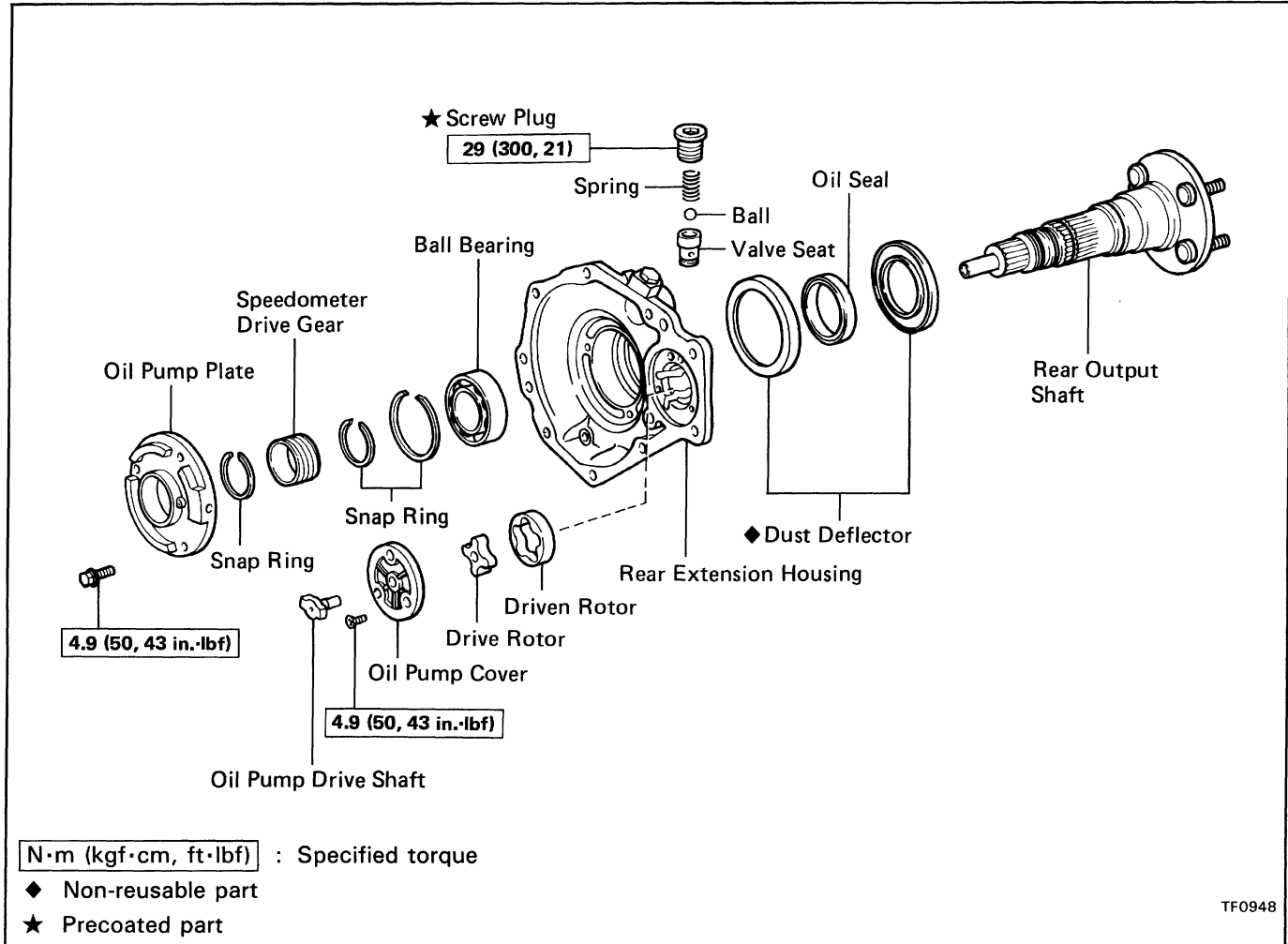
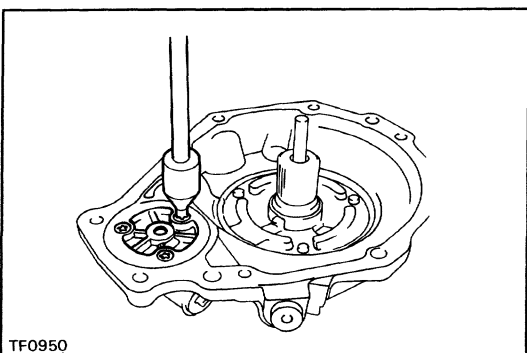


Rear Extension Housing Assembly COMPONENTS



DISASSEMBLY OF REAR EXTENSION HOUSING ASSEMBLY

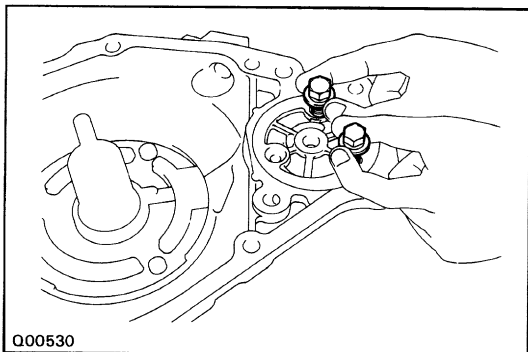
1. REMOVE OIL PUMP DRIVE SHAFT



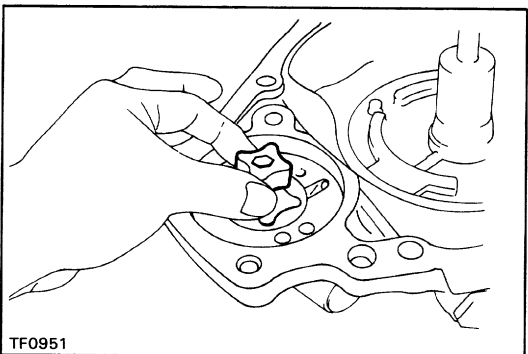
2. REMOVE OIL PUMP COVER

- (a) Using a torx socket wrench, remove the three screws.

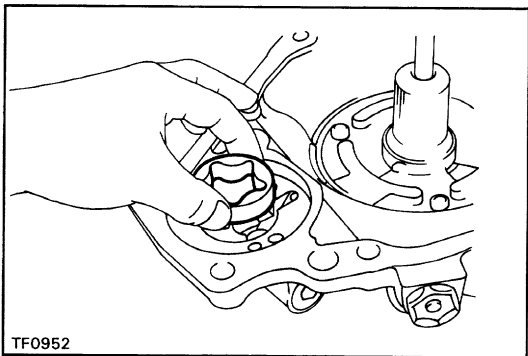
(Torx socket wrench T30 09042-00010)



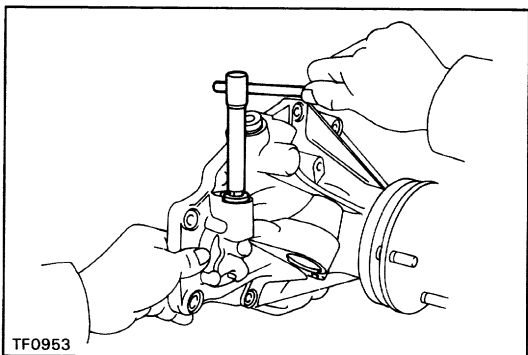
- (b) Install two suitable bolts to the pump cover.
- (c) Remove the pump cover from rear extension housing.



3. REMOVE DRIVE ROTOR

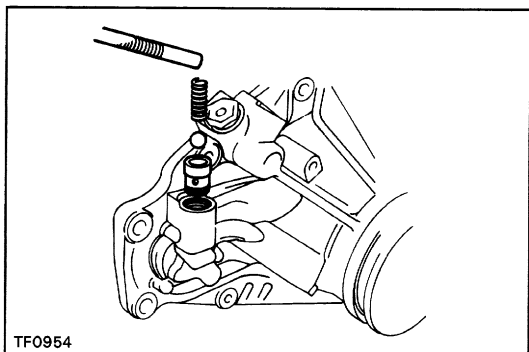


4. REMOVE DRIVEN ROTOR

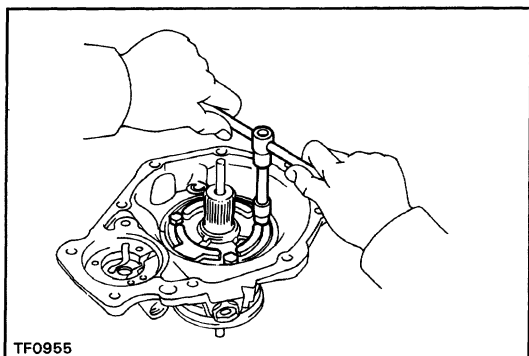


5. REMOVE SCREW PLUG, SPRING, BALL AND VALVE SEAT

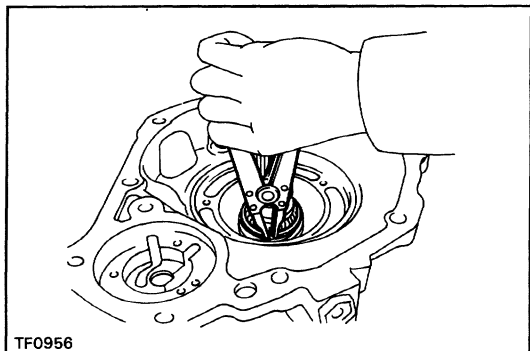
- (a) Using a hexagon wrench, remove the screw plug.



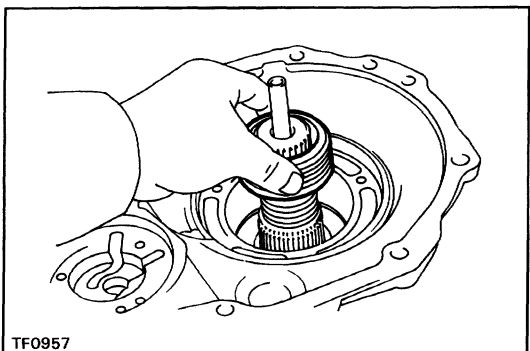
- (b) Using a magnetic finger, remove the spring, ball and valve seat.

**6. REMOVE OIL PUMP PLATE**

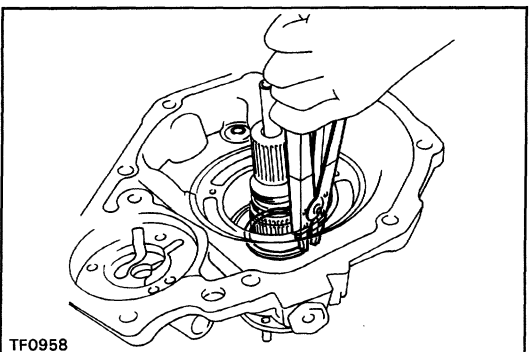
Remove the three bolts and the oil pump plate.

**7. REMOVE SPEED METER DRIVE GEAR**

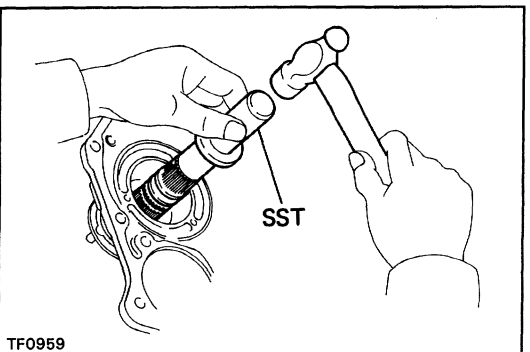
(a) Using snap ring pliers, remove the snap ring.



(b) Remove the speedometer drive gear.

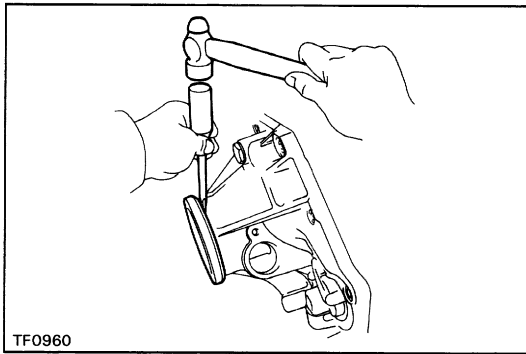
**8. REMOVE REAR OUTPUT SHAFT**

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

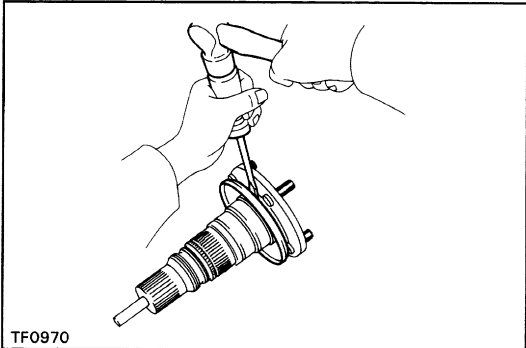


(b) Using SST and a hammer, remove the rear output shaft.

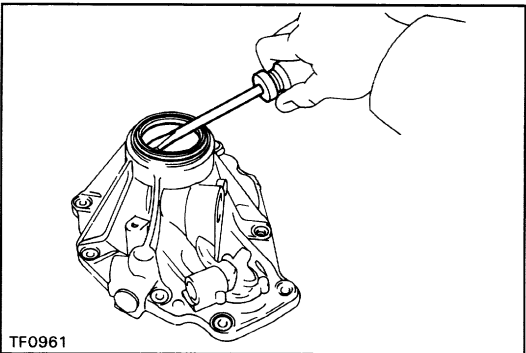
SST 09325-12010

**9. REMOVE DUST DEFLECTORS**

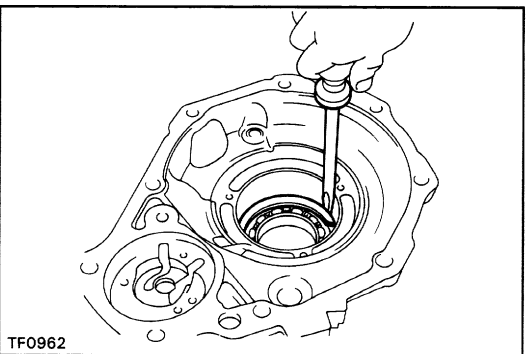
- (a) Using a screwdriver and hammer, remove the rear extension housing dust deflectors.



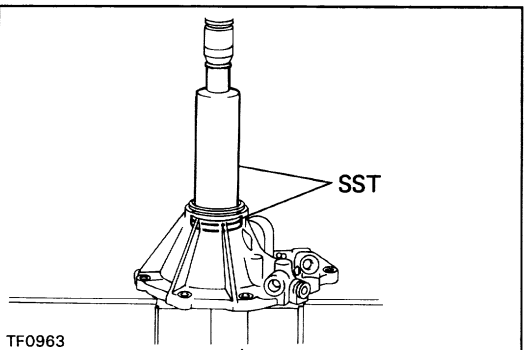
- (b) Using a screwdriver and hammer, remove the rear output shaft dust deflector.

**10. REMOVE OIL SEAL**

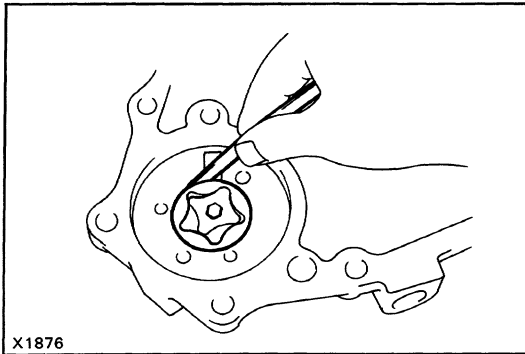
Using a screwdriver, pry out the oil seal.

**11. 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)



X1876

INSPECTION OF OIL PUMP

1. CHECK BODY CLEARANCE OF DRIVEN ROTOR

Install the drive rotor to the driven rotor.

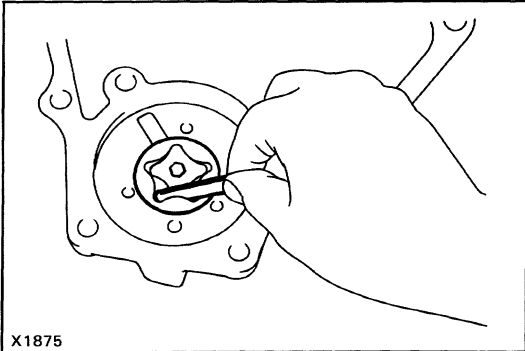
Using a feeler gauge, measure body clearance between drive rotor and extension housing.

Standard body clearance: 0.08 – 0.17 mm

(0.0031 – 0.0067 in.)

Maximum body clearance: 0.15 mm (0.0067 in.)

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



X1875

2. CHECK TIP CLEARANCE OF DRIVEN ROTOR

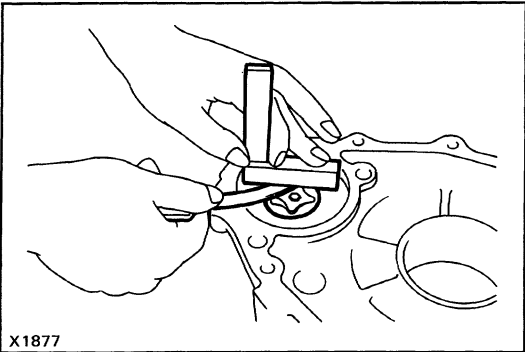
Using a feeler gauge, measure tip clearance between drive rotor and driven rotor.

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.



X1877

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.)

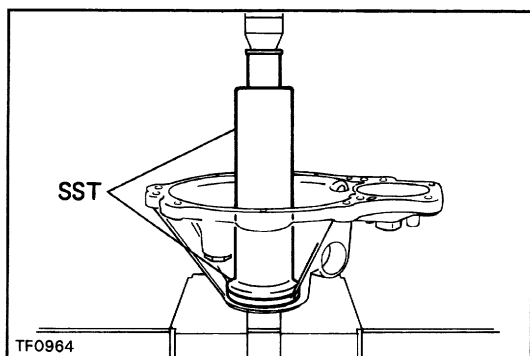
If the side clearance greater than the maximum, replace the drive rotor or driven rotor.

ASSEMBLY OF REAR EXTENSION HOUSING

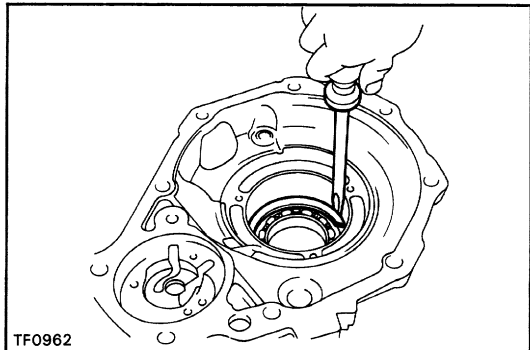
1. INSTALL BALL BEARING

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

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



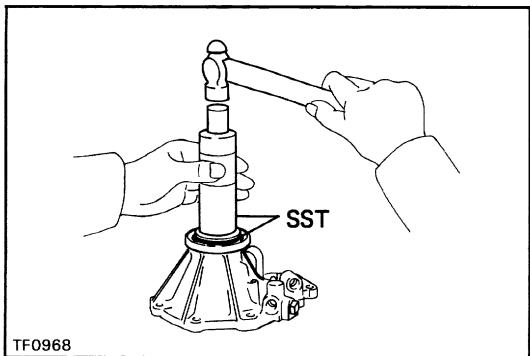
(b) Using a screwdriver, install the snap ring.



2. INSTALL DUST DEFLECTORS

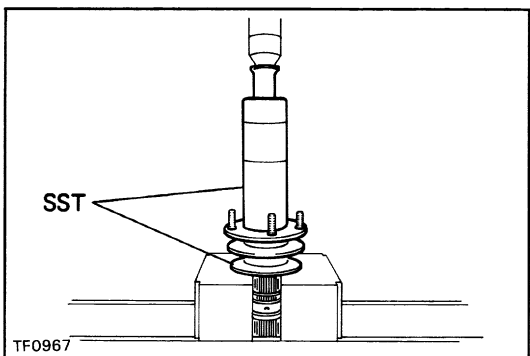
(a) Using SST and a hammer, install a new rear extension housing dust deflector.

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



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

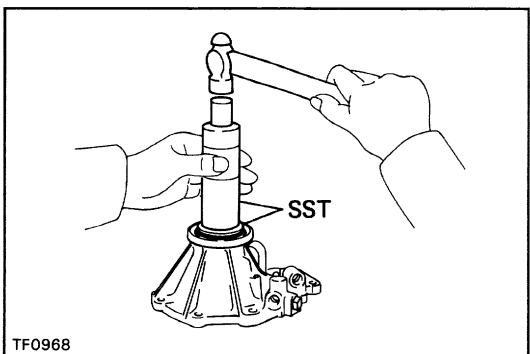
SST 09316-20011, 09316-60010 (09316-00010)

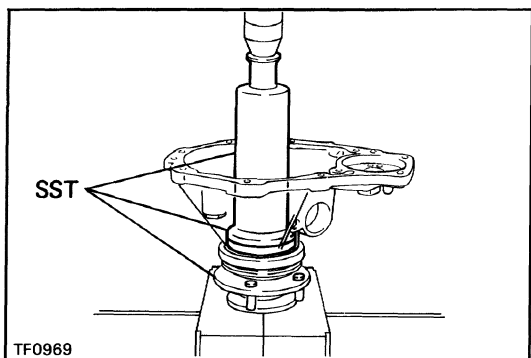


3. INSTALL OIL SEAL

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

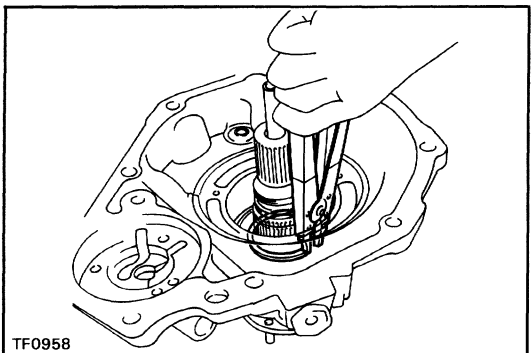
SST 09316-60010 (09316-00010, 09316-00030)



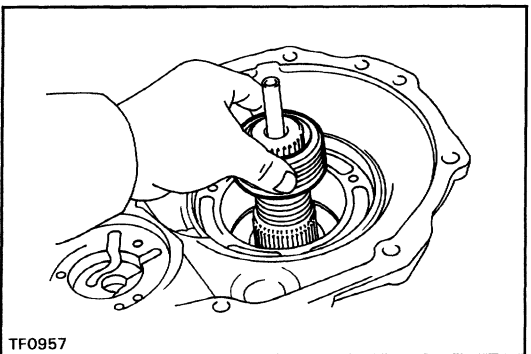


4. INSTALL REAR OUTPUT SHAFT

- (a) Using SST and a press, install the rear output shaft.
SST 09316-60010 (09316-00010, 09316-00030)
09316-20011

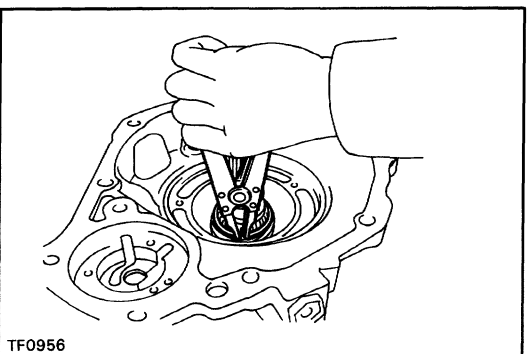


- (b) Using snap ring pliers, install the snap ring.

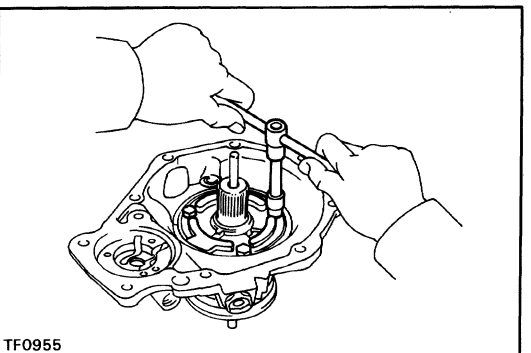


5. INSTALL SPEEDOMETER DRIVE GEAR

- (a) Install the speedometer drive gear.

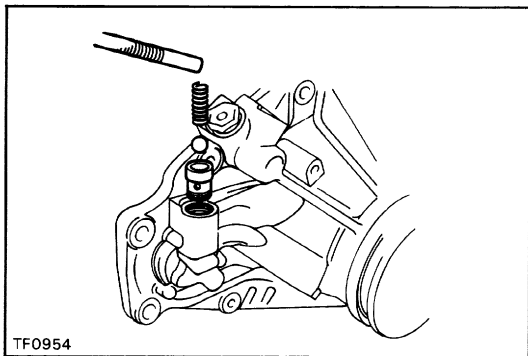


- (b) Using snap ring pliers, install the snap ring.



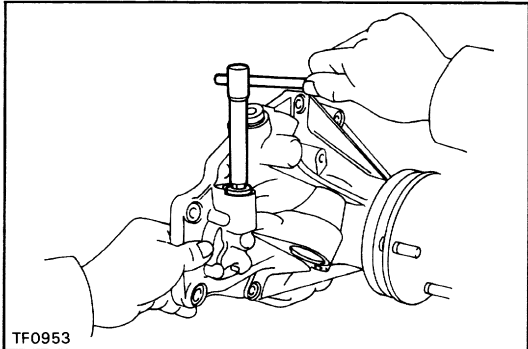
6. INSTALL OIL PUMP PLATE

- (a) Install the oil pump plate.
(b) Install and torque the three bolts.
Torque: 4.9 N-m (5a kgf-cm, 43 in.-lbf)

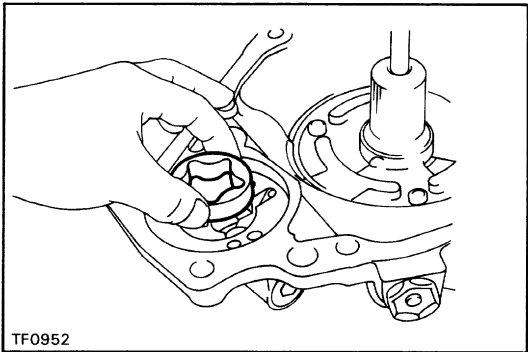


7. INSTALL VALVE SEAT, BALL, SPRING AND SCREW PLUG

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

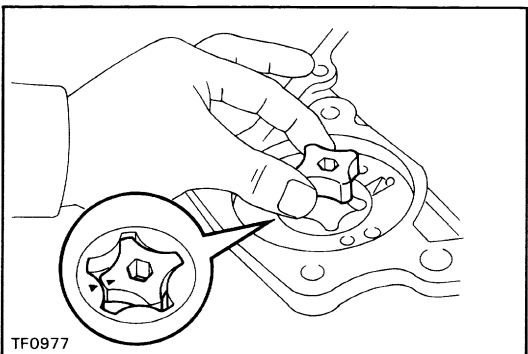


- (c) Apply liquid sealer to the screw plug.
Sealant: Part No.08833-00080, THREE BOND 1344, LOCTITE 242 or equivalent
- (d) Using a hexagon wrench, install and torque the screw plug.
Torque: 29 N-m (300 kgf-cm, 21 ft-lbf)



8. INSTALL DRIVEN ROTOR

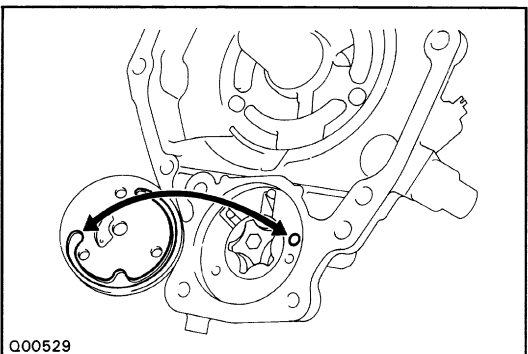
- (a) Apply gear oil to the driven rotor.
- (b) Install the driven rotor.



9. INSTALL DRIVE ROTOR

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

HINT: Align the alignment marks.



10. 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.