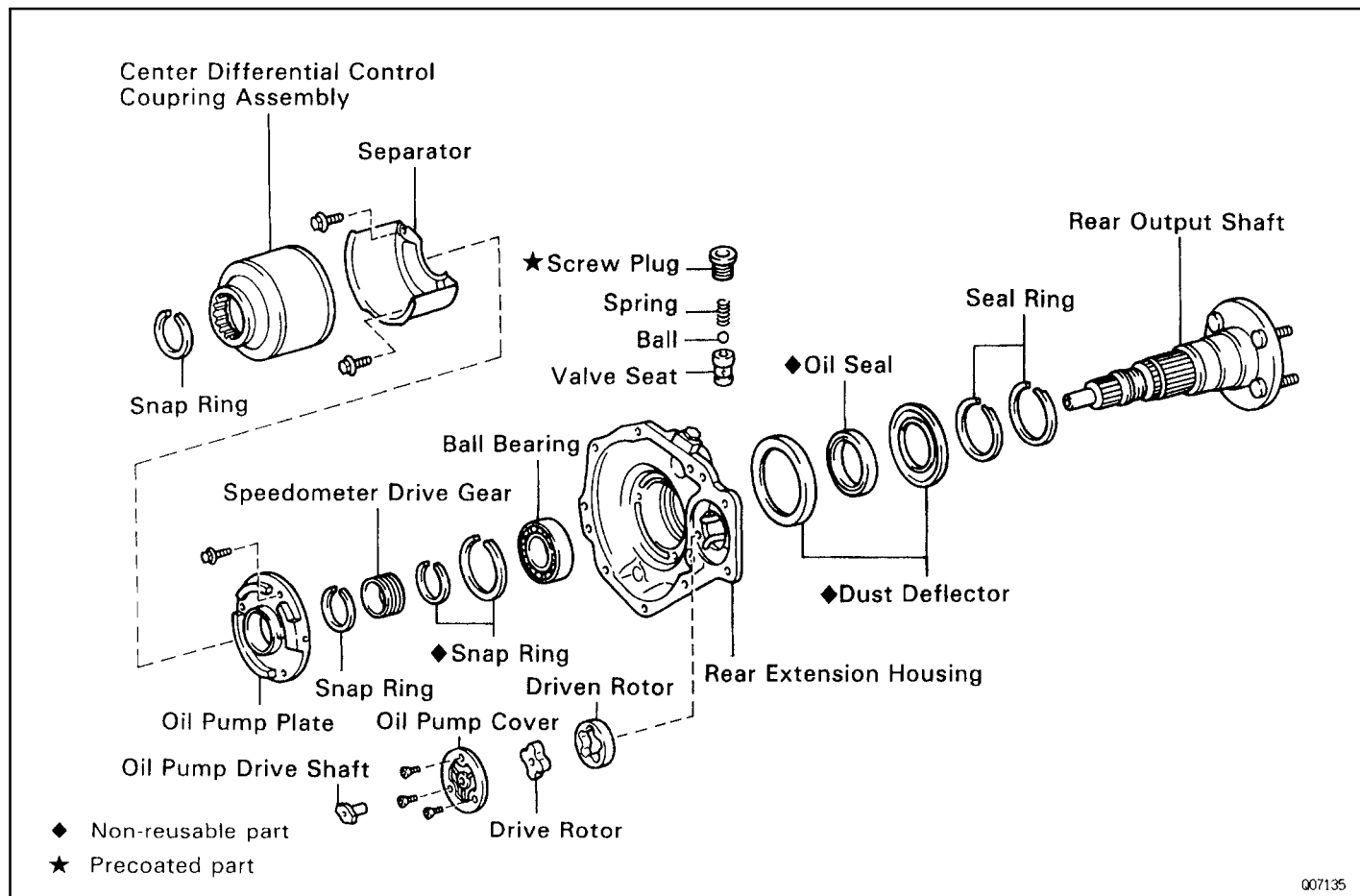
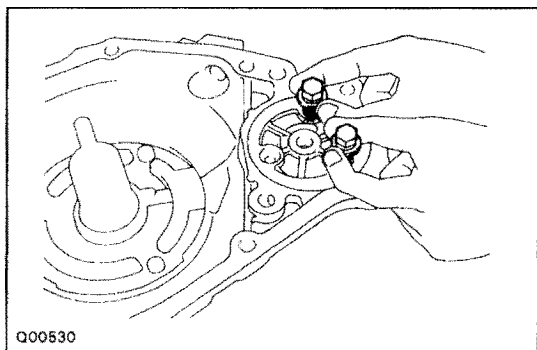


REAR EXTENSION HOUSING ASSEMBLY COMPONENTS

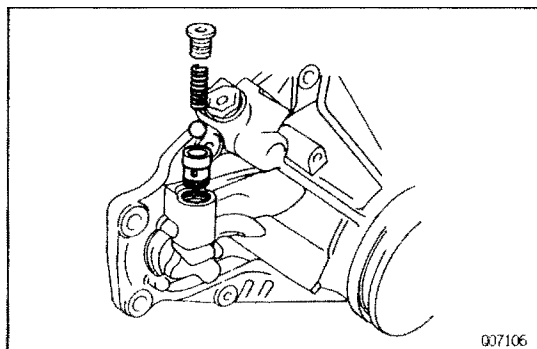


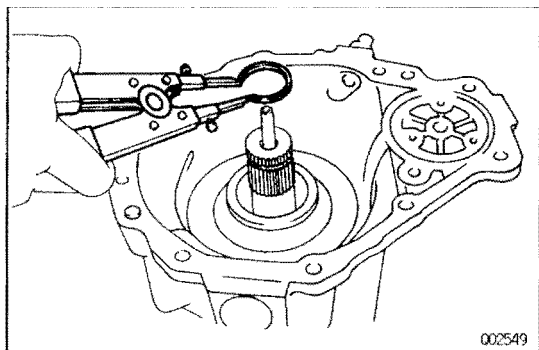
007135



REAR EXTENSION HOUSING DISASSEMBLY

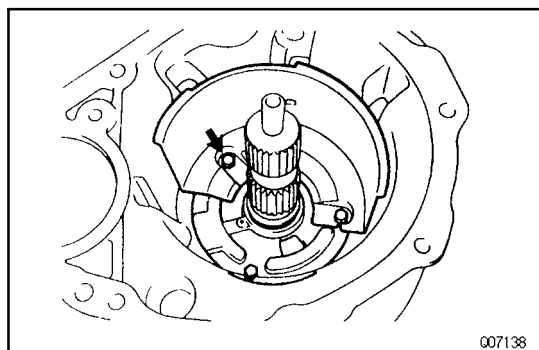
1. **REMOVE OIL PUMP DRIVE SHAFT**
2. **REMOVE OIL PUMP COVER**
 - (a) Using a torx socket wrench, remove the 3 screws. (Torx socket wrench T30 09042-00010)
 - (b) Install the 2 suitable bolts to the pump cover.
 - (c) Remove the pump cover from the rear extension housing.
3. **REMOVE DRIVE ROTOR FROM DRIVEN ROTOR**
4. **REMOVE DRIVEN ROTOR FROM REAR EXTENSION HOUSING**
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 CENTER DIFFERENTIAL CONTROL COUPLING ASSEMBLY

- (a) Using a snap ring expander, remove the snap ring.
- (b) Remove the coupling assembly from the rear extension housing.

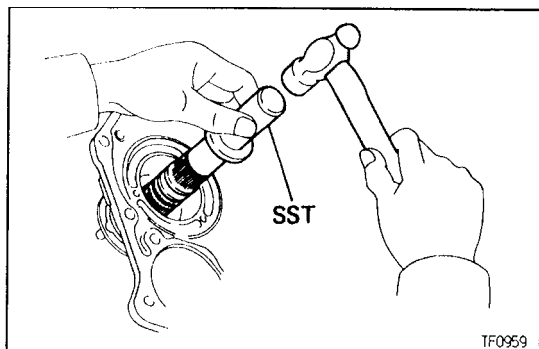


7. REMOVE SEPARATOR AND OIL PUMP PLATE

Remove the 3 bolts, separator and oil pump plate.

8. REMOVE SPEEDOMETER DRIVE GEAR

- (a) Using a snap ring expander, remove the snap ring.
- (b) Remove the speedometer drive gear.

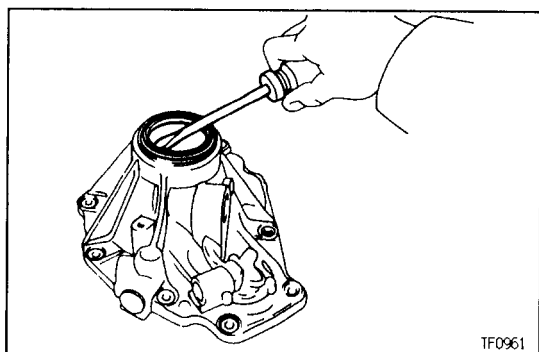


9. REMOVE REAR OUTPUT SHAFT

- (a) Using a snap ring expander, remove the snap ring.
- (b) Using SST and a hammer, remove the rear output shaft.
SST 09325-12010
- (c) Remove the 2 seal rings from the rear output shaft.

10. REMOVE DUST DEFLECTORS

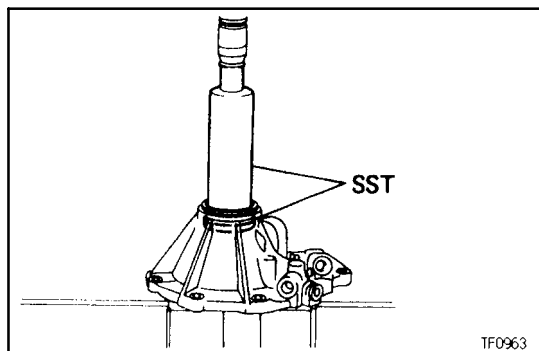
- (a) Using a screwdriver and hammer, remove the rear extension housing dust deflector.



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

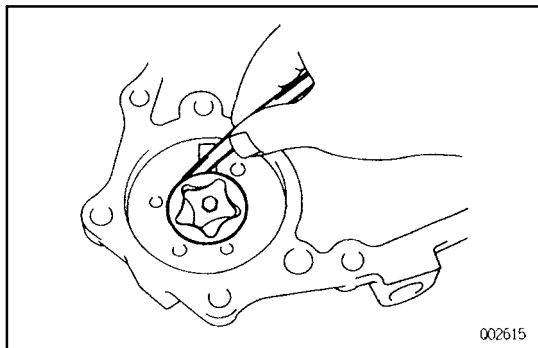
11. REMOVE OIL SEAL

Using a screwdriver, pry out the oil seal from the rear extension housing.



12. REMOVE BALL BEARING

- (a) Using a screwdriver, remove the snap ring.
- (b) Using SST and a press, remove the ball bearing to the rear extension housing.
SST 09316-60010 (09316-00010, 09316-00020)



OIL PUMP INSPECTION

1. INSPECT DRIVEN ROTOR BODY CLEARANCE

- Install the drive rotor to the driven rotor.
- Using a feeler gauge, measure the body clearance between the 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 exceeds the maximum, replace the drive rotor or driven rotor.

2. INSPECT DRIVEN ROTOR TIP CLEARANCE

Using a feeler gauge, measure the tip clearance between the 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 exceeds the maximum, replace the drive rotor or driven rotor.

3. INSPECT OIL PUMP SIDE CLEARANCE

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

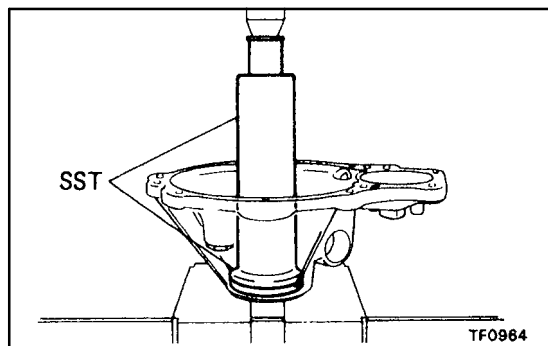
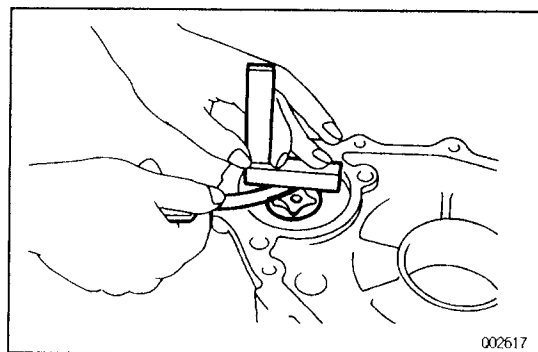
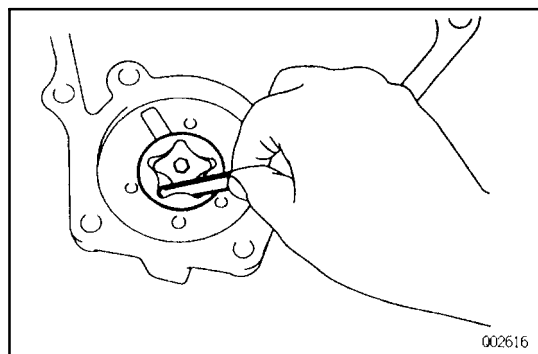
Standard side clearance:

0.03–0.10 mm (0.0012–0.0039 in.)

Maximum side clearance:

0.10 mm (0.0039 in.)

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



REAR EXTENSION HOUSING ASSEMBLY

HINT: Coat all of the sliding and rotating surfaces with gear oil before assembly.

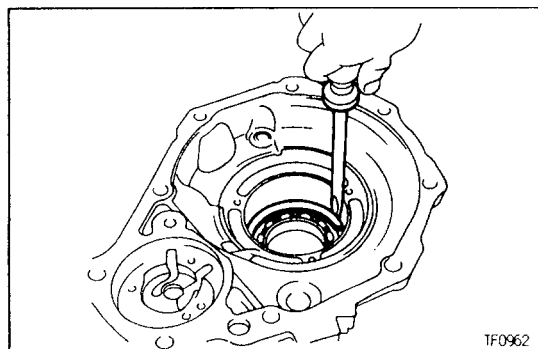
1. INSTALL BALL BEARING

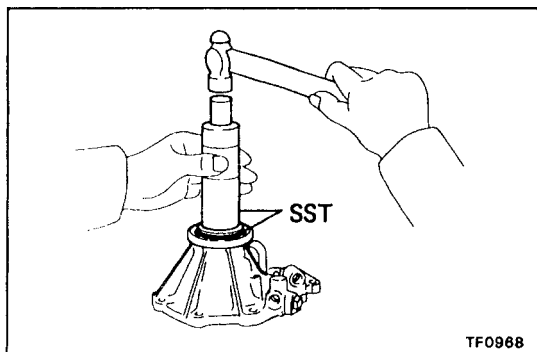
- Using SST and a press, install the ball bearing.
SST 09316-60010 (09316-00010, 09316-00030)

- Select a snap ring that will allow minimum axial play.

Mark	Thickness mm (in.)
A	1.7 (0.0669)
B	1.8 (0.0709)

- Using a screwdriver, install a new snap ring.

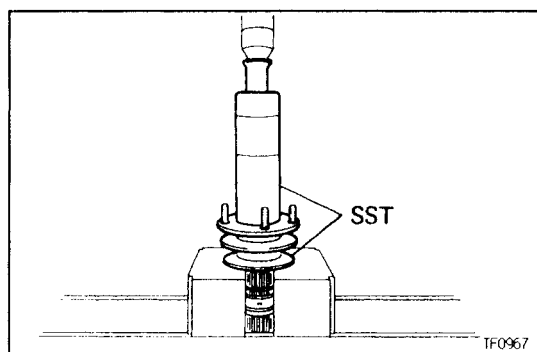




2. INSTALL DUST DEFLECTORS

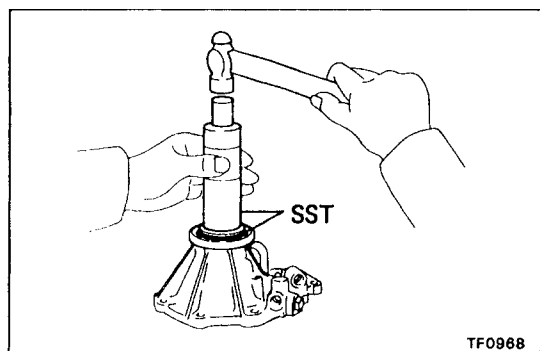
- (a) Using SST and a hammer, install a new rear extension housing dust deflector.

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



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

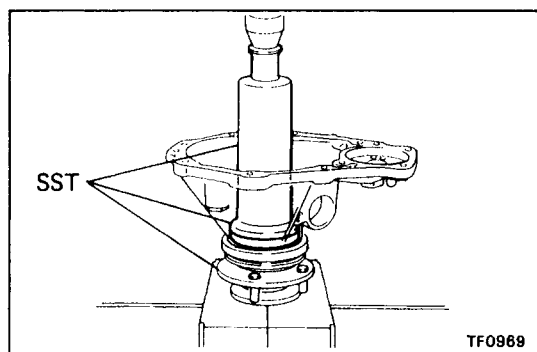
SST 09316-20011, 09316-60010 (09316-00010)



3. INSTALL OIL SEAL

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

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

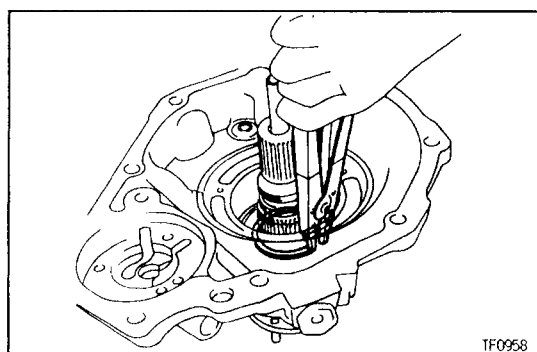


4. INSTALL REAR OUTPUT SHAFT

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

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

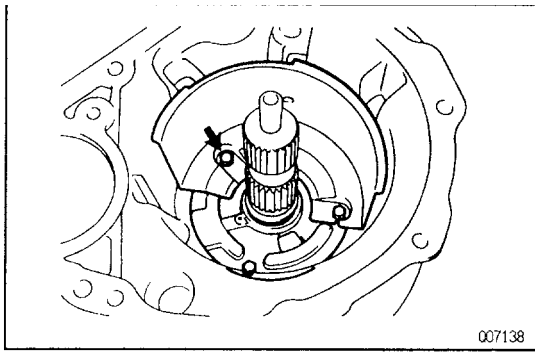
- (b) Install the 2 seal rings to the rear output shaft.



- (c) Select a snap ring that will allow minimum axial play.

Mark	Thickness mm (in.)
1	1.95 (0.0768)
2	2.05 (0.0807)
3	2.15 (0.0847)
4	2.25 (0.0886)

- (d) Using a snap ring expander, install a new snap ring.



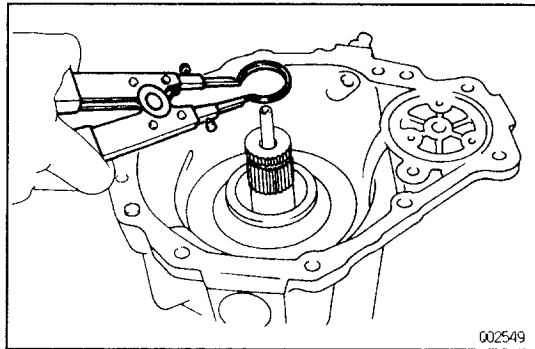
5. INSTALL SPEEDOMETER DRIVE GEAR

- (a) Install the speedometer drive gear.
- (b) Using a snap ring expander, install the snap ring.

6. INSTALL OIL PUMP PLATE AND SEPARATOR

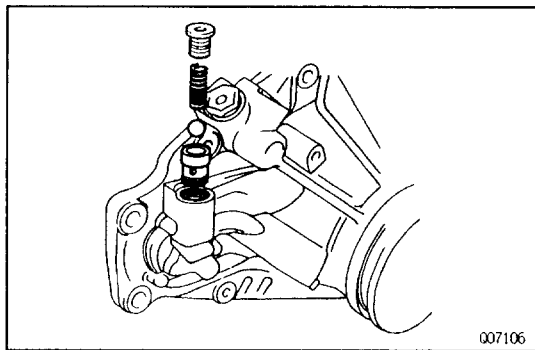
- (a) Install the oil pump plate.
- (b) Install the separator.
- (c) Install and torque the 3 bolts.

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



7. INSTALL CENTER DIFFERENTIAL CONTROL COUPLING ASSEMBLY

- (a) Install the coupling assembly to the output shaft.
- (b) Using a snap ring expander, install the snap ring.



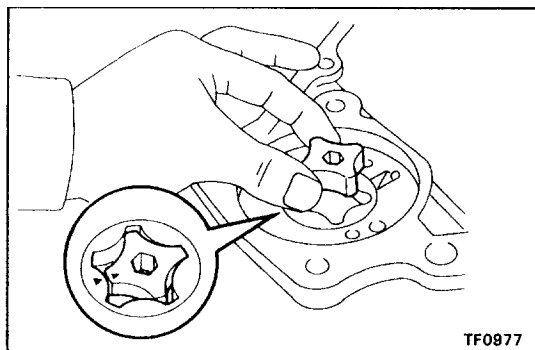
8. INSTALL VALVE SEAT, BALL, SPRING AND SCREW PLUG

- (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: 19 N·m (190 kgf·cm, 14 ft·lbf)



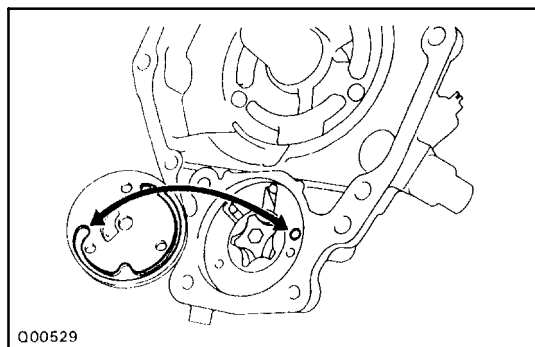
9. INSTALL DRIVEN ROTOR

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

10. INSTALL DRIVE ROTOR

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

HINT: Align the alignment marks.



11. INSTALL OIL PUMP COVER

- (a) Install the oil pump cover.
- (b) Using a torx socket wrench, install and torque the 3 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.

12. INSTALL OIL PUMP DRIVE SHAFT