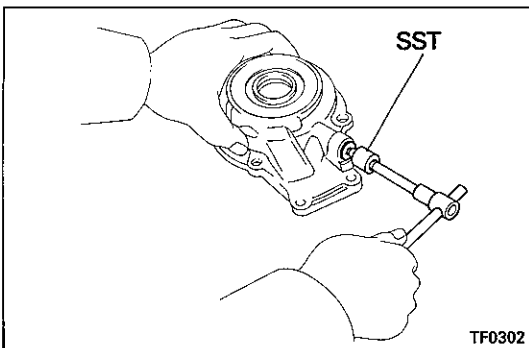
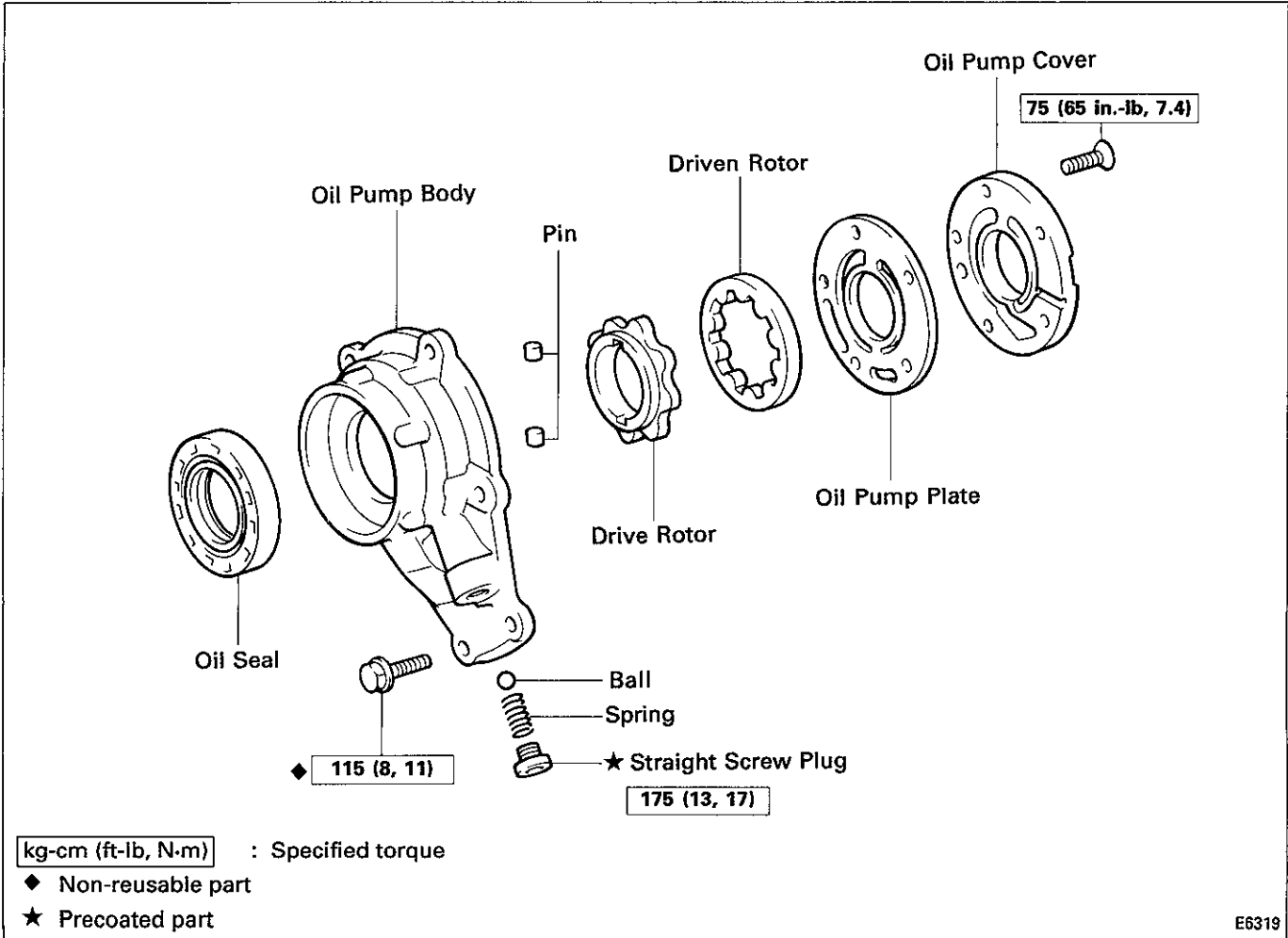


Oil Pump Body

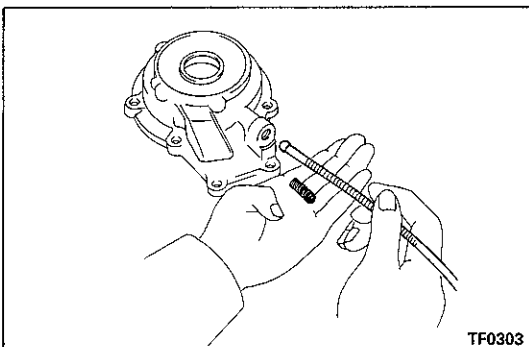
COMPONENTS



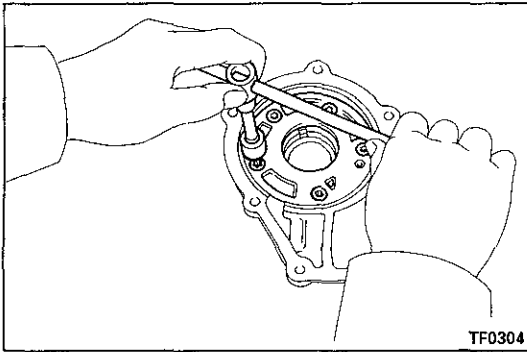
DISASSEMBLY OF OIL PUMP BODY

1. REMOVE STRAIGHT SCREW PLUG, SPRING AND BALL

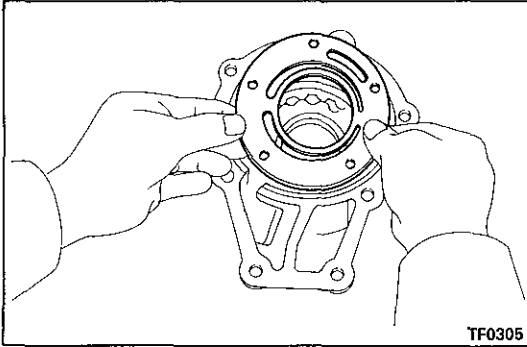
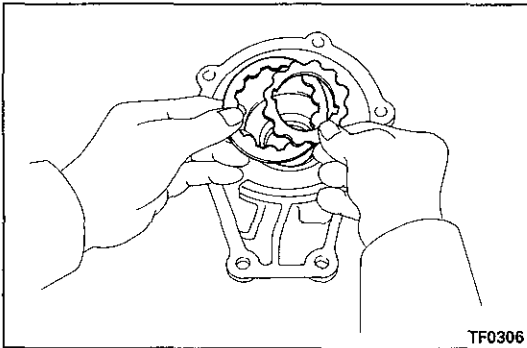
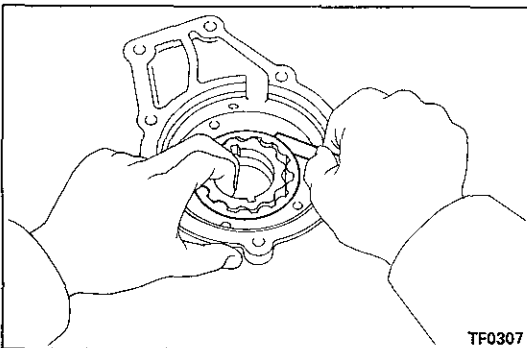
- (a) Using SST, remove the straight screw plug.
SST 09313-30021



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

**2. REMOVE OIL PUMP COVER**

- (a) Using a torx socket wrench, unscrew the torx screws.
(Torx socket wrench T30 09042-00030)
- (b) Remove the oil pump cover.

**3. REMOVE OIL PUMP PLATE****4. REMOVE OIL PUMP DRIVE AND DRIVEN ROTORS****INSPECTION OF OIL PUMP BODY****1. CHECK BODY CLEARANCE OF DRIVEN ROTOR**

Push the driven rotor to one side of the body.

Using a feeler gauge, measure the clearance.

Standard clearance: 0.075 – 0.17 mm
(0.0030 – 0.0067 in.)

Maximum clearance: 0.40 mm (0.0157 in.)

If the clearance exceeds the limit, replace the driven rotor or pump body.

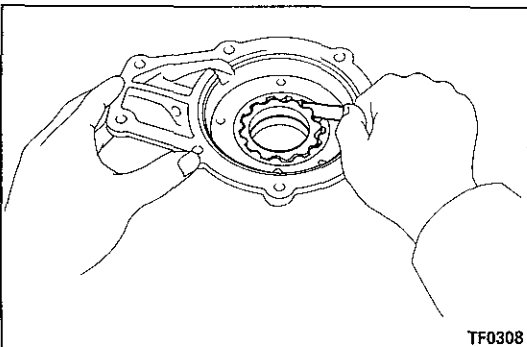
2. CHECK TIP CLEARANCE OF BOTH ROTORS

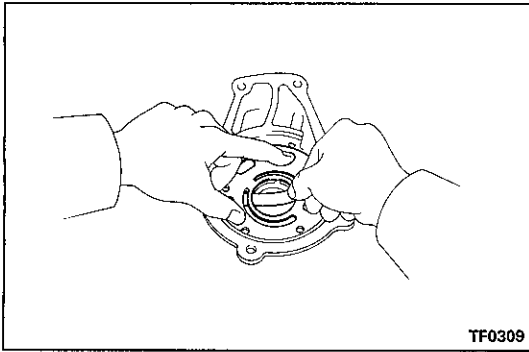
Using a feeler gauge, measure the clearance between both rotor tips.

Standard clearance: 0.10 – 0.22 mm
(0.0039 – 0.0087 in.)

Maximum clearance: 0.40 mm (0.0157 in.)

If the clearance exceeds the limit, replace the drive or driven rotor.





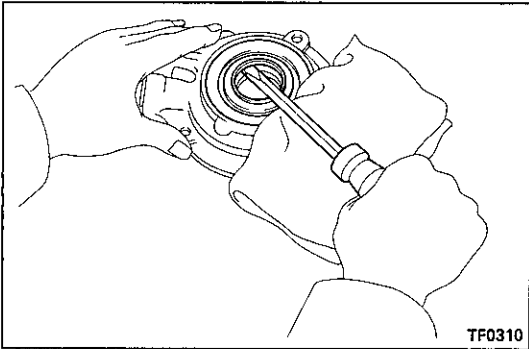
3. CHECK SIDE CLEARANCE OF BOTH ROTORS

Using a feeler gauge, measure the clearance between the rotors and oil pump plate.

Standard clearance: 0.03 – 0.13 mm
(0.0012 – 0.0051 in.)

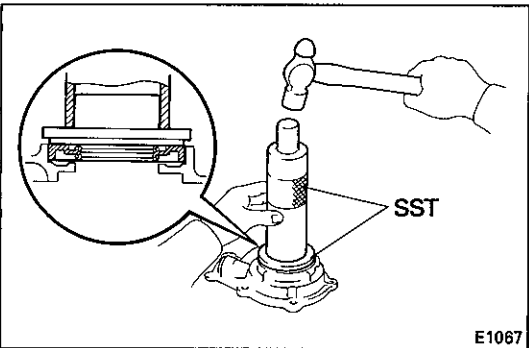
Maximum clearance: 0.40 mm (0.0157 in.)

If the clearance exceeds the limit, replace the drive rotor, driven rotor or oil pump plate.



4. IF NECESSARY, REPLACE OIL PUMP BODY OIL SEAL

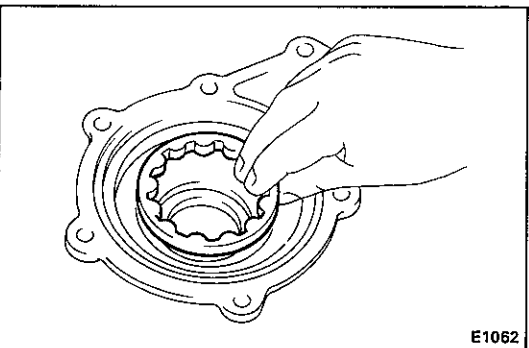
(a) Using a screwdriver, pry out the oil seal.



(b) Using SST, drive in a new oil seal.

SST 09316-60010 (09316-00010, 09316-00060)

(c) Coat the lip of the oil seal with MP grease.

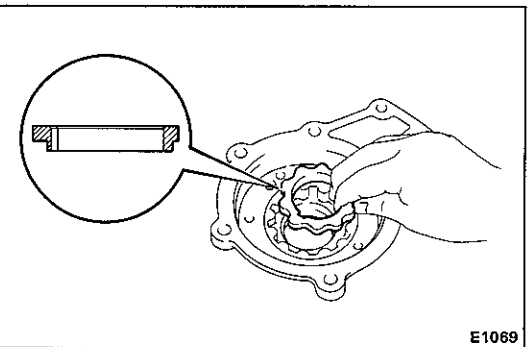


ASSEMBLY OF OIL PUMP BODY

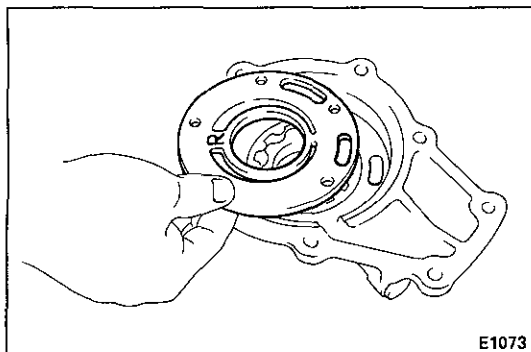
1. INSTALL OIL PUMP DRIVE AND DRIVEN ROTORS

(a) Apply gear oil to the both rotors.

(b) Install the oil pump driven rotor.



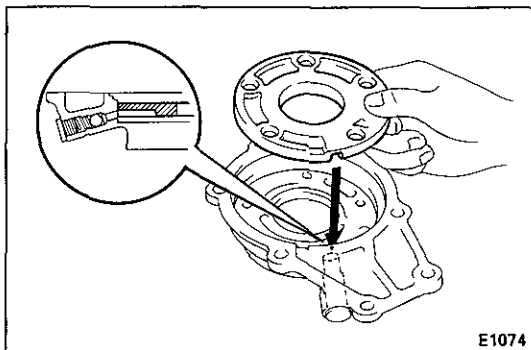
(c) Install the oil pump drive rotor.



2. INSTALL OIL PUMP PLATE

Install the oil pump plate.

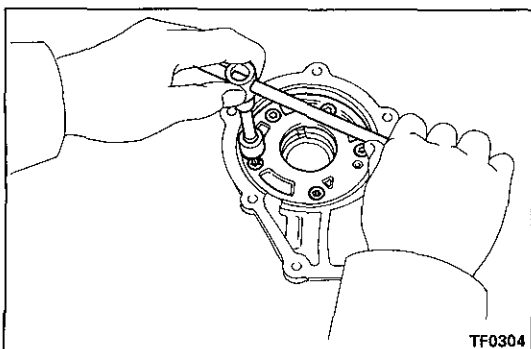
HINT: Facing the side marked with a "R" upwards, align the elongated hole of the oil pump plate with the matching hole on the oil pump body.



3. INSTALL OIL PUMP COVER

(a) Install the oil pump cover.

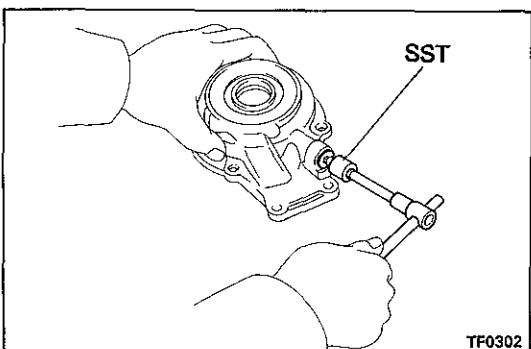
HINT: Align the notched portion of the oil pump cover with the pump body oil hole.



(b) Using a torx socket wrench, tighten the torx screws.

(Torx socket wrench T30 09042-00030)

Torque: 75 kg-cm (65 in.-lb, 7.4 N-m)



4. INSTALL BALL, SPRING AND STRAIGHT SCREW PLUG

(a) Install the ball and spring.

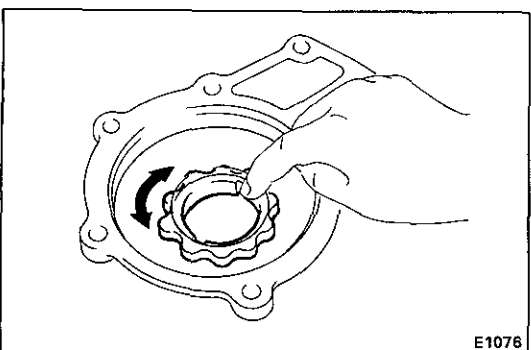
(b) Apply liquid sealer to the plug.

Sealant: Part No. 08833-00080, THREE BOND 1344, LOCTITE 242 or equivalent

(c) Using SST, torque the plug.

SST 09313-30021

Torque: 175 kg-cm (13 ft-lb, 17 N-m)



5. CHECK DRIVE ROTOR ROTATION

Turn the drive rotor and make sure it rotates smoothly.