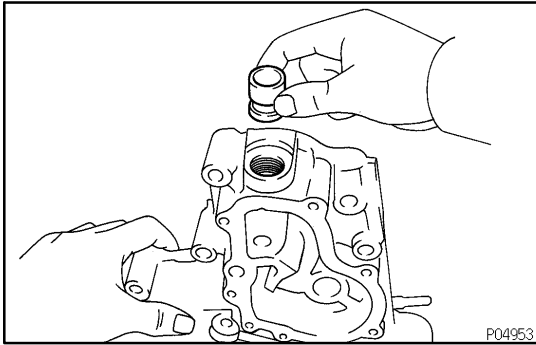




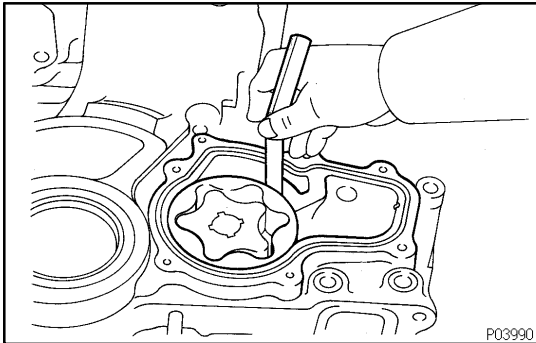
INSPECTION

1. INSPECT RELIEF VALVE

Coat the valve with engine oil and check that it falls smoothly into the valve hole by its own weight.

If it does not, replace the relief valve. If necessary, replace the oil pump assembly.

2. INSPECT ROTOR BODY CLEARANCE



Using a thickness gauge, measure the clearance between the driven rotor and body.

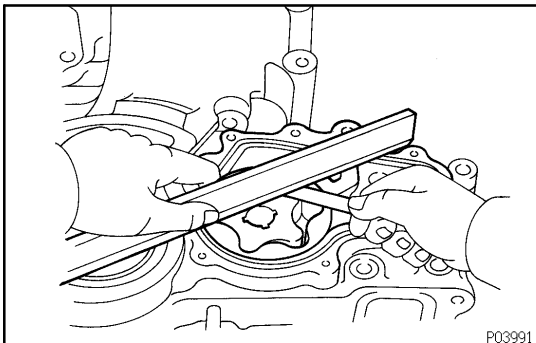
Standard body clearance:

0.100 - 0.170 mm (0.0039 - 0.0067 in.)

Maximum body clearance:

0.30 mm (0.0118 in.)

If the body clearance is greater than maximum, replace the rotors as a set. If necessary, replace the oil pump assembly.



3. INSPECT ROTOR SIDE CLEARANCE

Using a thickness gauge and precision straight edge, measure the clearance between the rotors and precision straight edge.

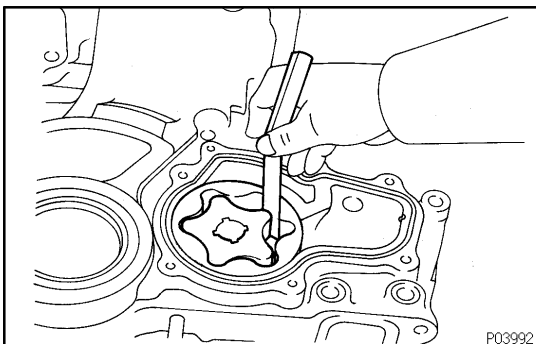
Standard side clearance:

0.030 - 0.090 mm (0.0012 - 0.0035 in.)

Maximum side clearance:

0.15 mm (0.0059 in.)

If the side clearance is greater than maximum, replace the rotors as a set. If necessary, replace the oil pump assembly.



4. INSPECT ROTOR TIP CLEARANCE

Using a thickness gauge, measure the clearance between the drive and driven rotor tips.

Standard tip clearance:

0.030 - 0.160 mm (0.0012 - 0.0063 in.)

Maximum tip clearance:

0.25 mm (0.0098 in.)

If the tip clearance is greater than maximum, replace the rotors as a set.