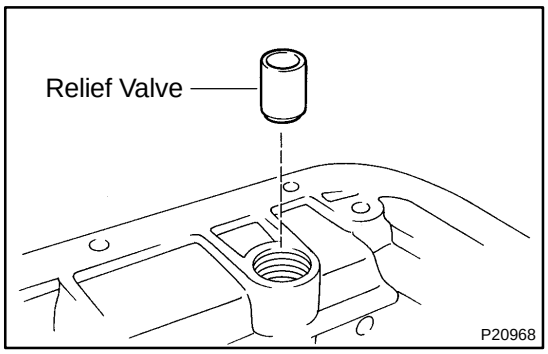
LU01H–03

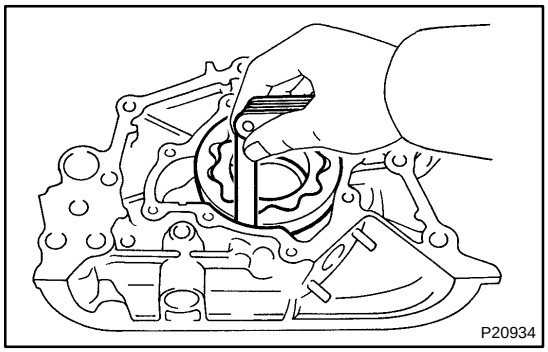
INSPECTION



1. INSPECT RELIEF VALVE

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

If the valve does not fall smoothly, replace the valve and/or oil pump assembly.



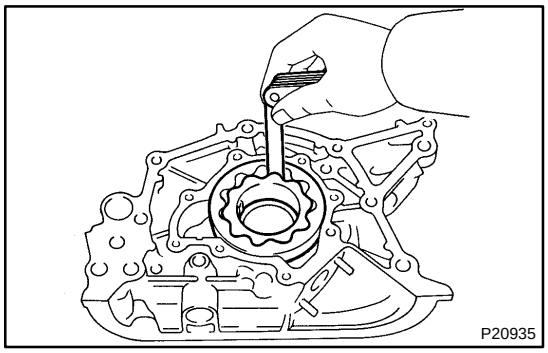
2. INSPECT DRIVE AND DRIVEN ROTORS

(a) Inspect the rotor for body clearance.

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

Standard clearance:
0.10 – 0.18 mm (0.0039 – 0.0069 in.)
Maximum clearance: 0.30 mm (0.0118 in.)

If the clearance is greater than the maximum, replace the oil pump rotor set and/or pump body.

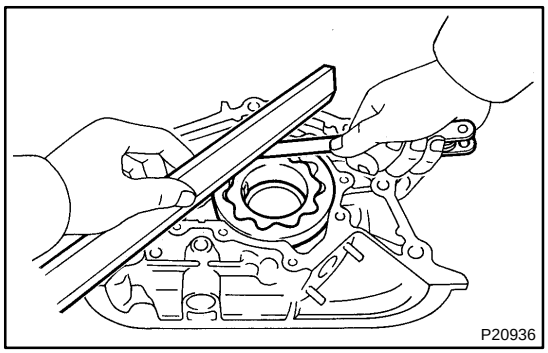


(b) Inspect the rotors for tip clearance.

Using a feeler gauge, measure the clearance between the drive and driven rotors.

Standard clearance:
0.11 – 0.24 mm (0.0043 – 0.0094 in.)
Maximum clearance: 0.35 mm (0.0138 in.)

If the clearance is greater than the maximum, replace the oil pump rotor set.



(c) Inspect the rotors for side clearance.

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

Standard clearance:
0.03 – 0.09 mm (0.0012 – 0.0035 in.)
Maximum clearance: 0.15 mm (0.0059 in.)

If the clearance is greater than the maximum, replace the oil pump rotor set and/or pump body.