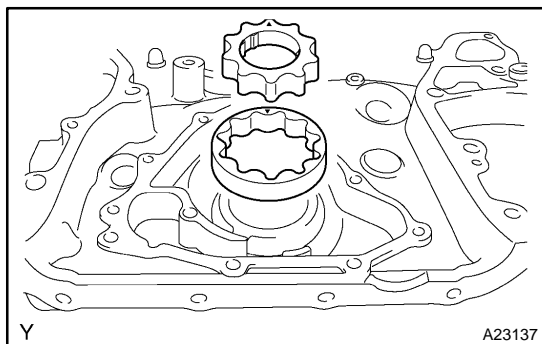


INSPECTION

1. INSPECT OIL PUMP RELIEF VALVE

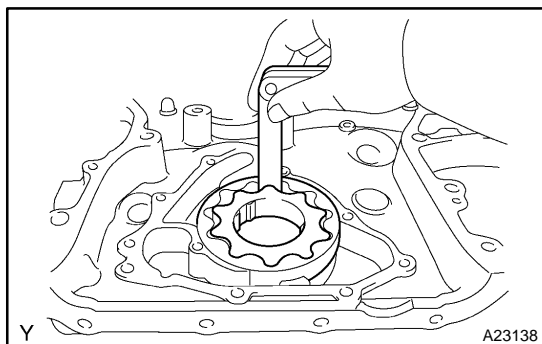
Coat the valve with engine oil and check that it falls smoothly into the valve hole by its own weight.

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



2. INSPECT OIL PUMP ROTOR SET

- (a) Place the drive and driven rotors into the timing chain cover with the marks facing upward.



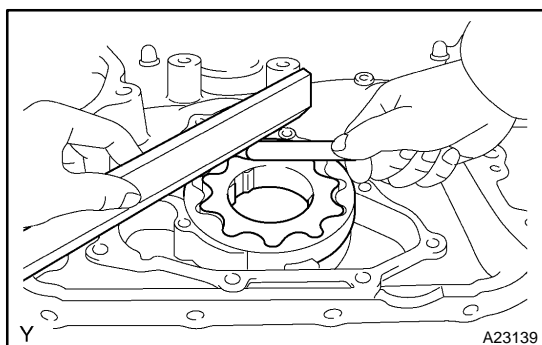
- (b) Inspect rotor tip clearance.
Using a feeler gauge, measure the clearance between each drive and driven rotor tip.

Standard clearance:

0.06 to 0.16 mm (0.0024 to 0.0063 in.)

Maximum tip clearance: 0.16 mm (0.0063 in.)

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



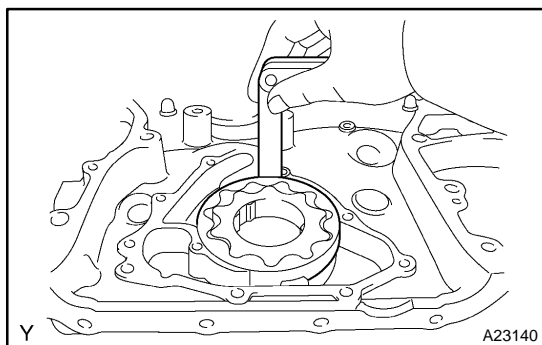
- (c) Inspect rotor side clearance.
Using a feeler gauge and precision straight edge, measure the clearance between the rotors and the precision straight edge.

Standard clearance:

0.03 to 0.09 mm (0.0012 to 0.0035 in.)

Maximum side clearance: 0.09 mm (0.0035 in.)

If the clearance is greater than the maximum, replace the drive and driven rotors. If necessary, replace the timing chain cover assembly.



- (d) Inspect rotor body clearance.

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

Standard clearance:

0.250 to 0.325 mm (0.0098 to 0.0128 in.)

Maximum body clearance: 0.325 mm (0.0128 in.)

If the clearance is greater than the maximum, replace the drive and driven rotors. If necessary, replace the timing chain cover assembly.