

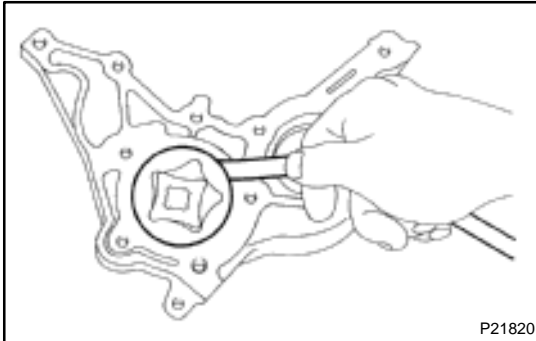
LU0144

INSPECTION

1. INSPECT PRESSURE REGULATOR VALVE

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

If necessary, replace the valve.



P21820

2. INSPECT ROTOR BODY CLEARANCE

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

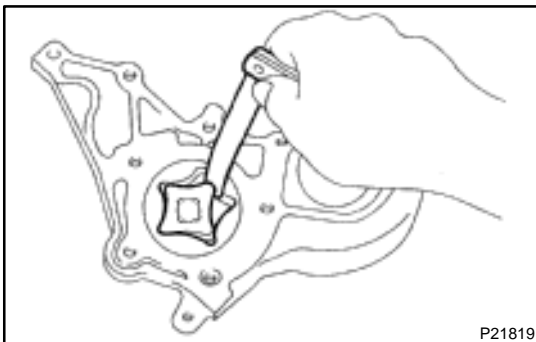
Standard clearance:

0.10 – 0.16 mm (0.0039 – 0.0063 in.)

Maximum clearance:

0.20 mm (0.0079 in.)

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



P21819

3. INSPECT ROTOR TIP CLEARANCE

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

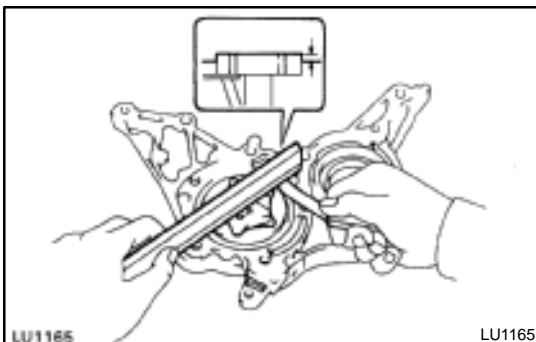
Standard clearance:

0.03 – 0.14 mm (0.0012 – 0.0055 in.)

Maximum clearance:

0.20 mm (0.0079 in.)

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



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4. INSPECT ROTOR SIDE CLEARANCE

Using a feeler gauge and flat block, measure the side clearance as shown.

Standard clearance:

2.91 – 2.97 mm (0.1145 – 0.1169 in.)

Minimum clearance:

2.90 mm (0.1142 in.)

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