

INSTALLATION

1. INSTALL OIL PUMP

- Remove any old packing (FIPG) material and be careful not to drop any oil on the contact surfaces of the oil pump and cylinder block.
 - Using a razor blade and gasket scraper, remove all the old packing (FIPG) material from the contact surfaces and sealing grooves.
 - Thoroughly clean all components to remove all the loose material.
 - Using a non-residue solvent, clean both sealing surfaces.
- Place the driven rotors into the pump body with the marks facing the front.
- Align the pulley and oil pump drive shaft.
- Using a vise, install the oil pump pulley and nut.

Torque: 37 N·m (370 kgf·cm, 27 ft·lbf)

- Apply seal packing to the oil pump as shown in the illustration.

Seal packing:

Part No. 08826–00080 or equivalent

- Install a nozzle that has been cut to a 2 – 3 mm (0.08 – 0.12 in.) opening.

HINT:

Avoid applying an excessive amount to the surface.

- Parts must be assembled within 5 minutes of application. Otherwise the material must be removed and reapplied.
 - Immediately remove nozzle from the tube and reinstall cap.
- Place a new O-ring into the cylinder block side groove.
 - Install the oil pump and tension spring bracket with the 9 bolts.

Torque: 7.5 N·m (75 kgf·cm, 65 in.-lbf)

2. INSTALL PRESSURE REGULATOR VALVE

Torque: 30 N·m (300 kgf·cm, 22 ft·lbf)

3. INSTALL OIL STRAINER

- (a) Apply a little engine oil to a new O-ring.
- (b) Install the O-ring to the oil strainer.
- (c) Install the oil strainer with the 3 bolts.

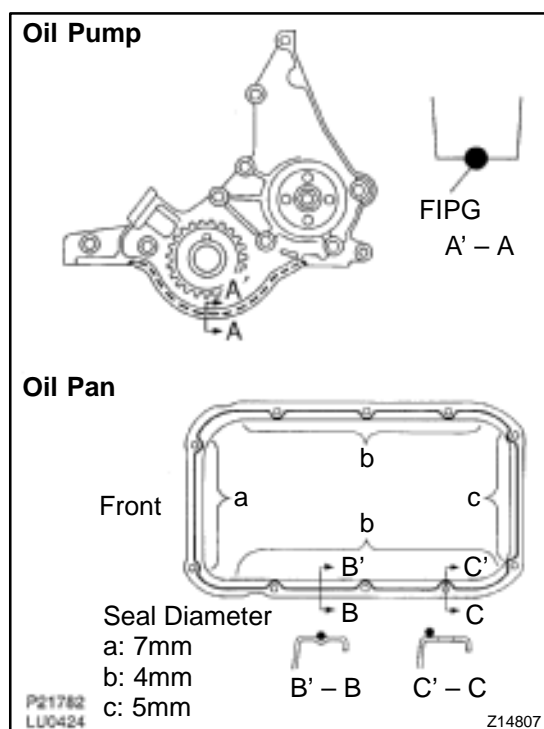
Torque: 10 N·m (100 kgf-cm, 7 ft-lbf)

4. INSTALL OIL PAN

- (a) Remove any old packing (FIPG) material and be careful not to drop any oil on the contact surfaces of the oil pan, oil pump, rear oil seal retainer and cylinder block.
 - Using a razor blade and gasket scraper, remove all the packing (FIPG) material from the contact surfaces.
 - Thoroughly clean all components to remove all the loose material.
 - Using a non-residue solvent, clean both sealing surfaces.

NOTICE:

Do not use a solvent which will affect the painted surfaces.



- (b) Apply seal packing to the oil pump, rear oil seal retainer and oil pan as shown in the illustration.

Seal packing:

Part No. 08826-00080 or equivalent

Seal diameter:

7 mm (0.28 in.) for a

4 mm (0.16 in.) for b

5 mm (0.17 in.) for c

- Install a nozzle that has been cut to a 4 mm (0.16 in.) or 7 mm (0.28 in.) or 5 mm (0.17 in.) opening.

HINT:

Avoid applying an excess amount to the surface.

- Parts must be assembled within 15 minutes of application. Otherwise, the material must be removed and reapplied.
- Immediately remove nozzle from tube and reinstall cap after use.

- (c) Install the oil pan with the 10 bolts.

Torque: 13 N·m (130 kgf-cm, 10 ft-lbf)

5. CONNECT FRONT EXHAUST PIPE

- (a) Place a new gasket on the exhaust pipe.
- (b) Connect the exhaust pipe to the exhaust manifold with 2 compression springs and 2 bolts.

Torque: 62 N·m (630 kgf-cm, 46 ft-lbf)

6. w/ A/C:**INSTALL A/C COMPRESSOR AND MOUNTING BRACKET**

- (a) Install the compressor mounting bracket with the 4 bolts.
- Torque: 27 N·m (270 kgf-cm, 20 ft-lbf)**

- (b) Install the A/C compressor to the bracket with the 4 bolts.
Torque: 25 N·m (250 kgf·cm, 18 ft·lbf)
- (c) Connect the A/C compressor connector.
- 7. **INSTALL CRANKSHAFT TIMING PULLEY**
(See page [EM-18](#))
- 8. **INSTALL TIMING BELT**
(See page [EM-18](#))
- 9. **INSTALL OIL DIPSTICK**
- 10. **FILL WITH ENGINE OIL**
- 11. **START ENGINE AND CHECK FOR LEAKS**
- 12. **CHECK ENGINE OIL LEVEL**
- 13. **INSTALL HOOD**