

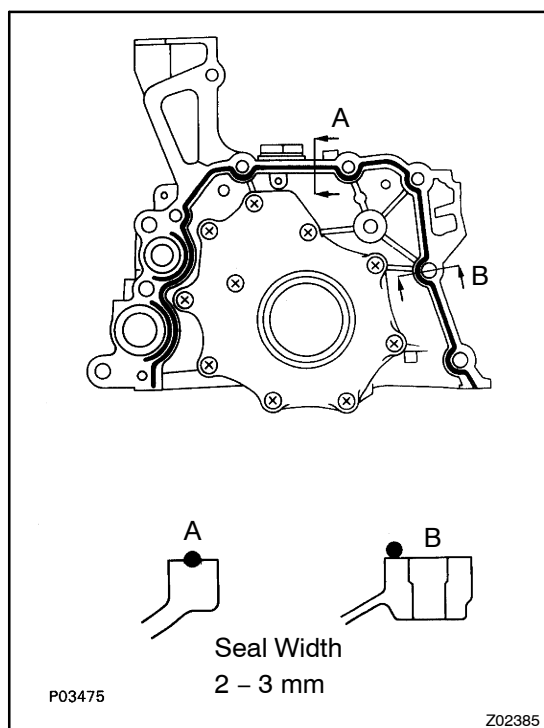
INSTALLATION

1. INSTALL OIL PUMP

- (a) Place 2 new O-rings in position on the cylinder block.
- (b) 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 gasket scraper, remove all the old packing (FIPG) material from the gasket surfaces and sealing groove.
 - Thoroughly clean all components to remove all the debris.
 - Using a non-residue solvent, clean both sealing surfaces.

NOTICE:

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



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

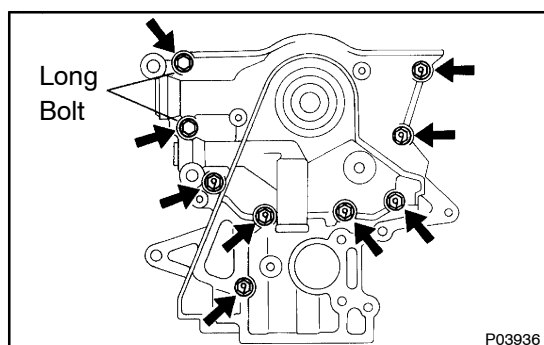
Seal packing: Part No.08826-00080 or equivalent

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

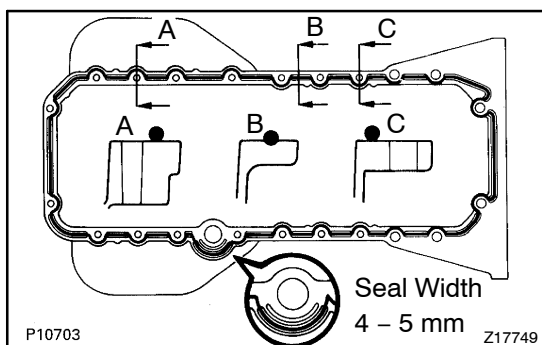
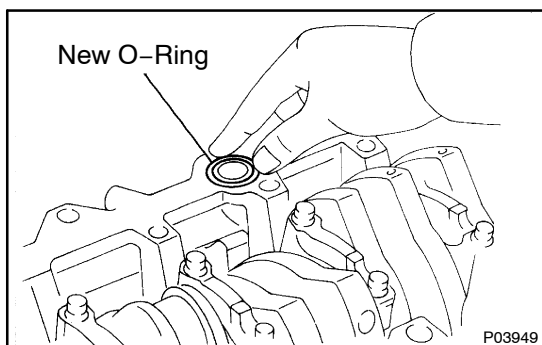
HINT:

Avoid applying an excessive amount to the surface. Be particularly careful near oil passages.

- 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.



- (d) Install the oil pump with the 9 bolts.
Torque: 21 N·m (210 kgf·cm, 15 ft·lbf)



2. INSTALL NO.1 OIL PAN

- (a) Place a new O-ring in the position on the cylinder block.
- (b) Remove any old packing (FIPG) material and be careful not to drop any oil on the contact surfaces of the No.1 oil pan and cylinder block.
 - Using a razor blade and gasket scraper, remove all the old packing (FIPG) material from the gasket surfaces and sealing groove.
 - Thoroughly clean all components to remove all the debris.
 - Using a non-residue solvent, clean both sealing surfaces.

NOTICE:

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

- (c) Apply seal packing to the No.1 oil pan as shown in the illustration.

Seal packing: Part No.08826-00080 or equivalent

- Install a nozzle that has been cut to a 4 – 5 mm (0.16 – 0.20 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.
- (d) Install the No.1 oil pan with the 22 bolts.

Torque:

12 mm head 21 N·m (210 kgf·cm, 15 ft·lbf)

14 mm head 40 N·m (400 kgf·cm, 30 ft·lbf)

3. INSTALL OIL PAN BAFFLE PLATE

Torque: 9.0 N·m (90 kgf·cm, 80 in·lbf)

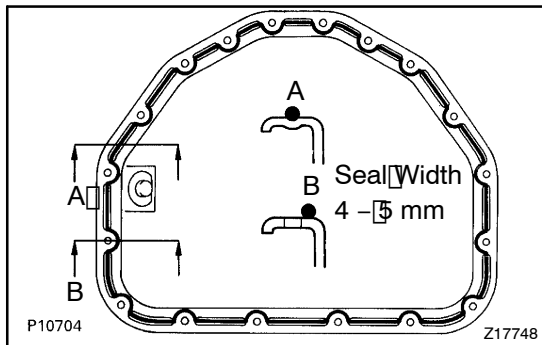
4. INSTALL OIL STRAINER

Install a new gasket and the oil strainer with the bolt and 2 nuts.

Torque: 9.0 N·m (90 kgf·cm, 80 in·lbf)

5. INSTALL NO.2 OIL PAN

- (a) Remove any old packing (FIPG) material and be careful not to drop any oil on the contact surfaces of the No.1 and No.2 oil pans.
 - Using a razor blade and gasket scraper, remove all the old packing (FIPG) material from the gasket surfaces and sealing groove.
 - Thoroughly clean all components to remove all the debris.



- Using a non-residue solvent, clean both sealing surfaces.

NOTICE:

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

- Apply seal packing to the No. 2 oil pan as shown in the illustration.

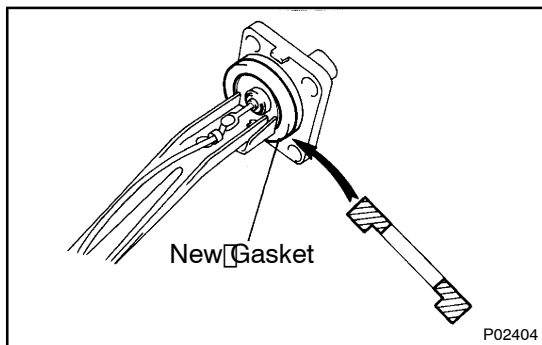
Seal packing: Part No. 08826-00080 or equivalent

- Install a nozzle that has been cut to a 4-5 mm (0.16-0.20 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.
- Install the No. 2 oil pan with the 16 bolts and 2 nuts.
Torque: 9.0 N·m (90 kgf·cm, 80 in·lbf)



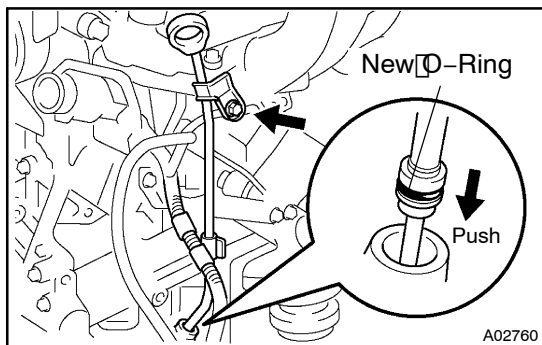
6. INSTALL OIL LEVEL SENSOR

- Install a new gasket to the level sensor.

- Install the level sensor with the 4 bolts.

Torque: 5.4 N·m (55 kgf·cm, 48 in·lbf)

- Connect the level sensor connector.



7. INSTALL OIL DIPSTICK GUIDE AND DIPSTICK

- Install a new O-ring on the dipstick guide.

- Apply soapy water on the O-ring.

- Push in the dipstick guide into the guide hole of the No. 1 oil pan.

- Install the dipstick guide with the bolt.

- Install the dipstick.

- Connect the engine wire clamp to the dipstick guide.

8. INSTALL CRANKSHAFT TIMING PULLEY, IDLER PULLEY AND TIMING BELT (See page EM-17)

9. INSTALL CRANKSHAFT POSITION SENSOR

Torque: 9.0 N·m (90 kgf·cm, 80 in·lbf)

10. REMOVE ENGINE STAND FROM ENGINE

11. ASSEMBLY ENGINE AND TRANSMISSION

(See page EM-66)

12. INSTALL ENGINE WITH TRANSMISSION

(See page EM-66)