

INSTALLATION

1. **INSTALL TIMING CHAIN AND CAMSHAFT TIMING GEAR** (See page [EM-17](#))
2. **INSTALL OIL PUMP (TIMING CHAIN COVER)** (See page [EM-17](#))

3. INSTALL OIL STRAINER

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

Torque: 20 N·m (200 kgf·cm, 14 ft·lbf)

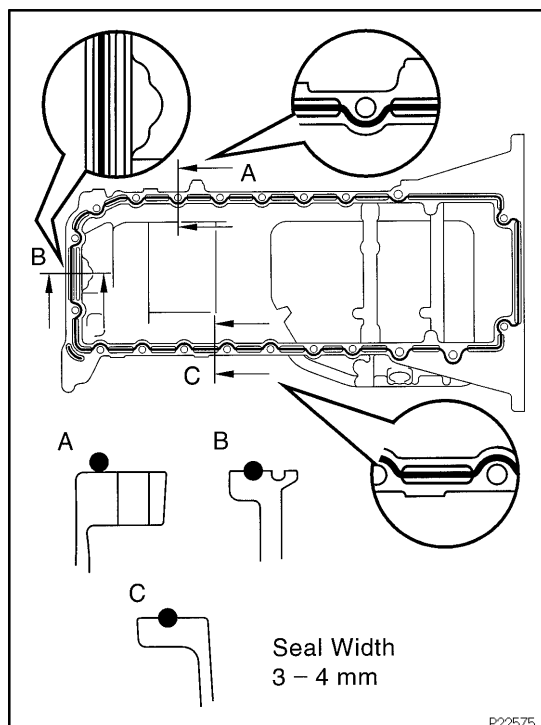
4. INSTALL OIL PAN BAFFLE PLATE

Install the baffle plate with the bolt and 7 nuts.

Torque: 9.0 N·m (90 kgf·cm, 78 in·lbf)

5. INSTALL NO.1 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 and cylinder block.
 - Using a razor blade and gasket scraper, remove all the old packing (FIPG) material from the gasket surfaces and sealing grooves.
 - Thoroughly clean all components to remove all the loose material.
 - Using a non-residue solvent, clean both sealing surfaces.



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

Seal packing: Part No. 08826-00080 or equivalent

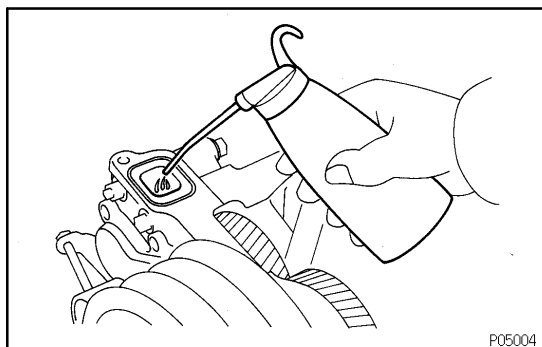
- Install a nozzle that has been cut to a 3 – 4 mm (0.12 – 0.16 in.) opening.

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.

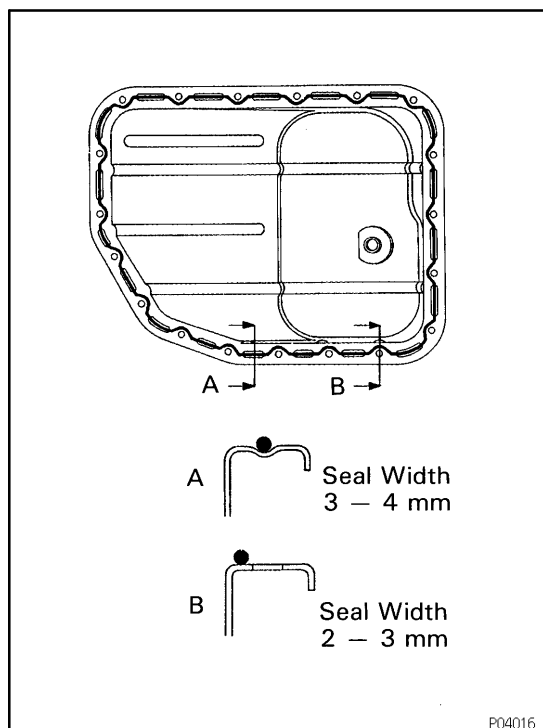
- (c) Install a new gasket in position.



- (d) Pour in approximately 15 cm³ (0.9 cu in.) of engine oil into oil pump hole.
- (e) Install the No.1 oil pan with the 21 bolts and 2 nuts.

Torque:**14 mm head: 44 N·m (440 kgf·cm, 32 ft·lbf)****12 mm head: 20 N·m (200 kgf·cm, 14 ft·lbf)****6. INSTALL NO.2 OIL PAN**

- (a) Remove any old packing (FIPG) material and be careful not to drop any oil on the contact surface of the No.1 oil pan.
 - Using a razor blade and gasket scraper, remove all the old packing (FIPG) material from the gasket surfaces and sealing grooves.
 - Thoroughly clean all components to remove all the loose material.
 - Using a non-residue solvent, clean both sealing surfaces.



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

NOTICE:**Do not use a solvent which will affect the painted surfaces.****Seal packing: Part No. 08826-00080 or equivalent**

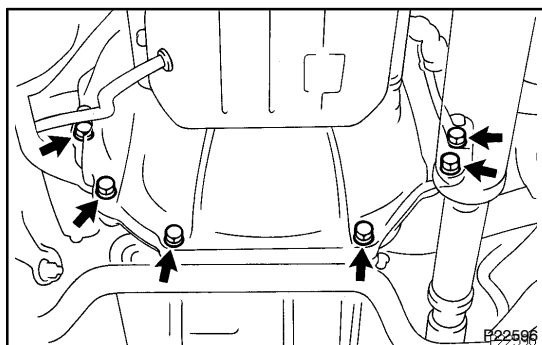
- Install a nozzle that has been cut to a 2 – 3 mm (0.08 – 0.12 in.) opening or 3 – 4 mm (0.012 – 0.016 in.) opening.

HINT:

Avoid applying an excessive amount to the surface.

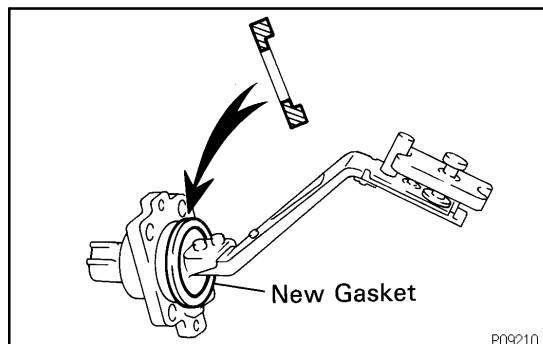
- Parts must be assembled within 5 minutes of application. Otherwise the material must be removed and reapplied.
- Immediately remove nozzle from the tube and reinstall cap.

- (c) Install the No.2 oil pan with the 17 bolts and 2 nuts.

Torque: 8.8 N·m (90 kgf·cm, 78 in·lbf)**7. INSTALL BOLTS HOLDING NO.1 OIL PAN TO TRANSMISSION HOUSING**

Install the 6 bolts.

Torque: 72 N·m (730 kgf·cm, 53 ft·lbf)

**8. INSTALL OIL LEVEL SENSOR**

- (a) Install a new gasket to the level sensor.
- (b) Install the level sensor with the 4 bolts.

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

9. CONNECT OIL COOLER PIPE BRACKET TO NO.1 OIL PAN**10. INSTALL CYLINDER HEAD(See page [EM-50](#))****11. INSTALL WATER PUMP**

Install a new gasket and water pump with the 4 bolts and 2 nuts.

Torque: 21 N·m (210 kgf·cm, 15 ft·lbf)

12. INSTALL RADIATOR PIPE

- (a) Connect the No.2 radiator hose to the water inlet.
- (b) Install the 2 nuts holding the radiator pipe to the No.1 oil pan.

Torque: 21 N·m (210 kgf·cm, 15 ft·lbf)

13. INSTALL A/C COMPRESSOR AND BRACKET

- (a) Install the A/C compressor bracket with the 5 bolts.

Torque: 37 N·m (375 kgf·cm, 27 ft·lbf)

- (b) Install the A/C compressor with the 4 bolts.

Torque: 25 N·m (250 kgf·cm, 18 ft·lbf)

- (c) Install and adjust the drive belt (See page [CH-2](#)).

14. INSTALL RADIATOR (See page [CO-16](#))**15. INSTALL ENGINE UNDER COVER****16. FILL WITH ENGINE OIL****17. START ENGINE AND CHECK FOR LEAKS**