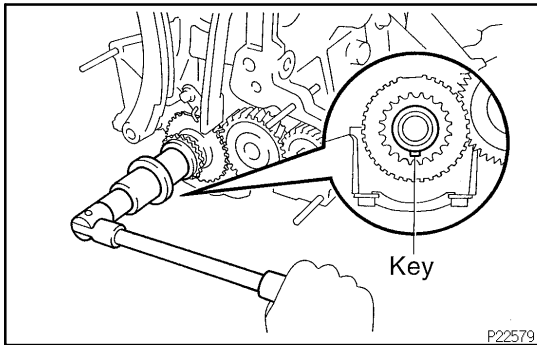




INSTALLATION

1. SET CRANKSHAFT

Turn the crankshaft until the set key on the crankshaft facing downward.

2. INSTALL TIMING CHAIN AND CAMSHAFT TIMING GEAR (See page EM-19)

3. INSTALL OIL PUMP (TIMING CHAIN COVER)(See page EM-19)

4. INSTALL DRIVE BELT IDLER PULLEY

Install the pulley with the bolt.

Torque: 43 N·m (440 kgf·cm, 32 ft·lbf)

5. INSTALL CRANKSHAFT PULLEY (See page EM-19)

6. 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)

7. 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)

8. 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.

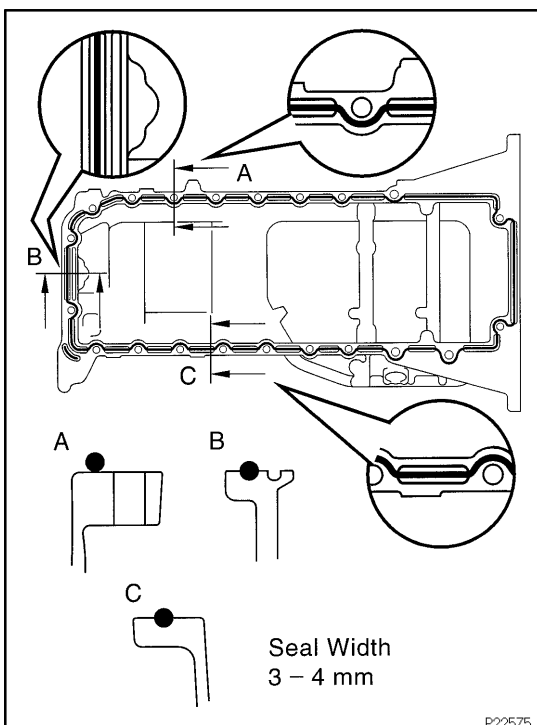
Seal packing: Part No. 08826-00080 or equivalent

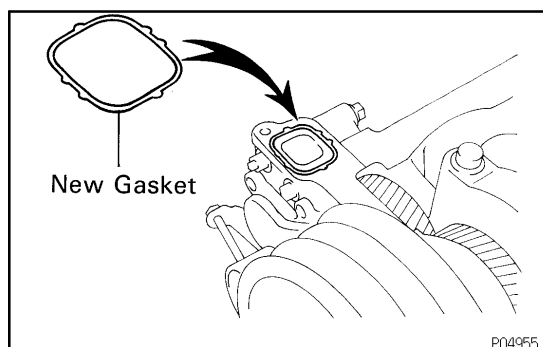
- Install a nozzle that has been cut to a 3 – 4 mm (0.12 – 0.16 in.) opening.

HINT:

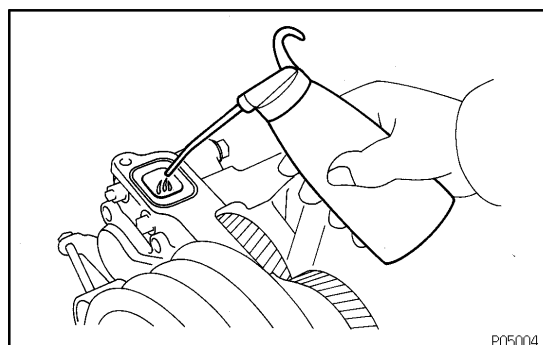
Avoid applying an excessive amount to the surface.

- 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.

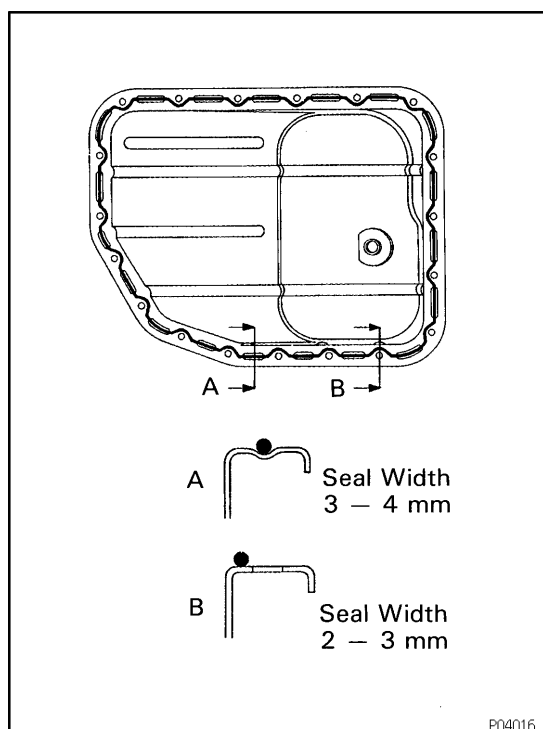
Torque:

14 mm head: 44 N·m (440 kgf·cm, 32 ft·lbf)

12 mm head: 20 N·m (200 kgf·cm, 14 ft·lbf)

9. 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.

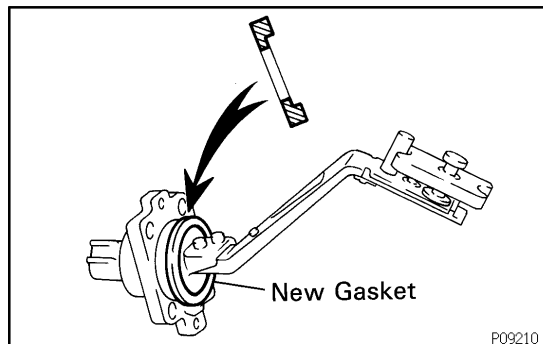
Torque: 7.8 N·m (80 kgf·cm, 69 in·lbf)

Torque: 8.8 N·m (90 kgf·cm, 78 in·lbf)

10. INSTALL BOLTS HOLDING NO.1 OIL PAN TO TRANSMISSION HOUSING

Install the 6 bolts.

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



11. 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)

12. CONNECT OIL COOLER PIPE BRACKET TO NO.1 OIL PAN

13. INSTALL CYLINDER HEAD(See page [EM-54](#))

14. 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)

15. 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)

16. 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](#)).

17. INSTALL RADIATOR (See page [CO-16](#))

18. INSTALL ENGINE UNDER COVER

19. FILL WITH ENGINE OIL

20. START ENGINE AND CHECK FOR LEAKS