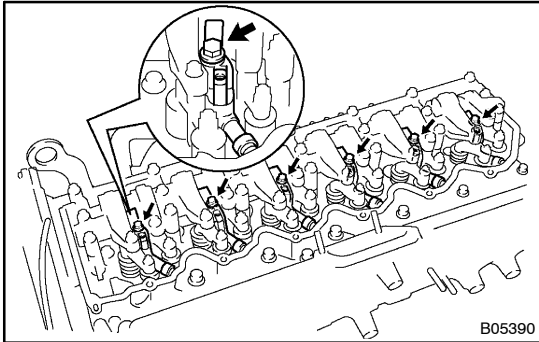


INSTALLATION

1. INSTALL INJECTION NOZZLES

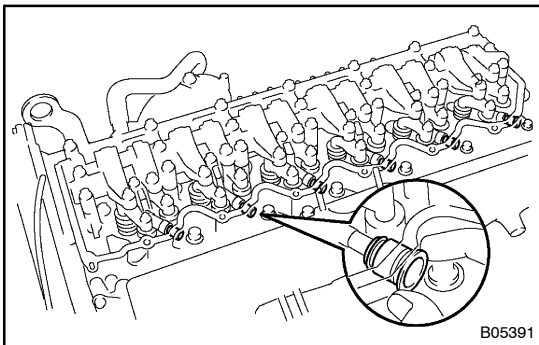
- (a) Install a new O-ring to the injection nozzle.
- (b) Place 6 new nozzle seats into the injection nozzle holes of the cylinder head.



- (c) Install the injection nozzles with the nozzle holder clamp, washer and bolt to the cylinder head.

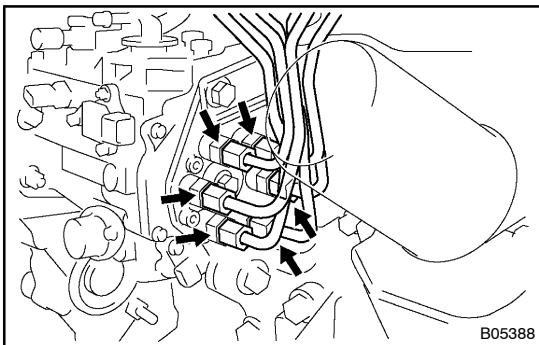
Torque: 25 N·m (255 kgf·cm, 18 ft·lbf)

- (d) Inspect the valve clearance. (See pub No. RM617E on page EM-9)



2. INSTALL NOZZLE HOLDER SEALS

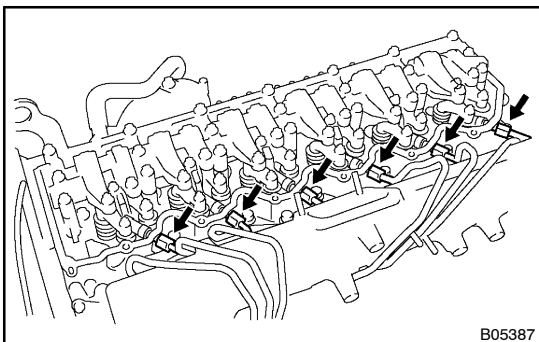
Install the 6 new nozzle holder seals to the cylinder head with your hand.



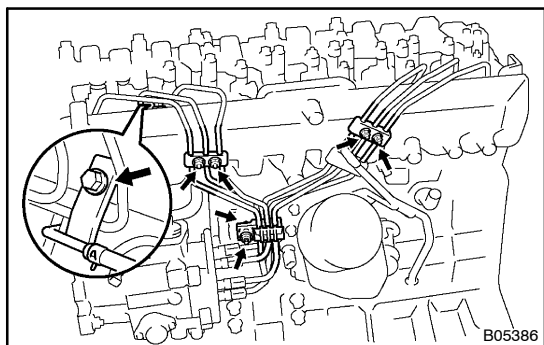
3. INSTALL INJECTION PIPES

- (a) Place the 2 clamps on the intake manifold.
- (b) Attach the 6 injection pipes to the injection nozzle and injection pump.
- (c) Tighten the 6 union nuts to the injection pump.

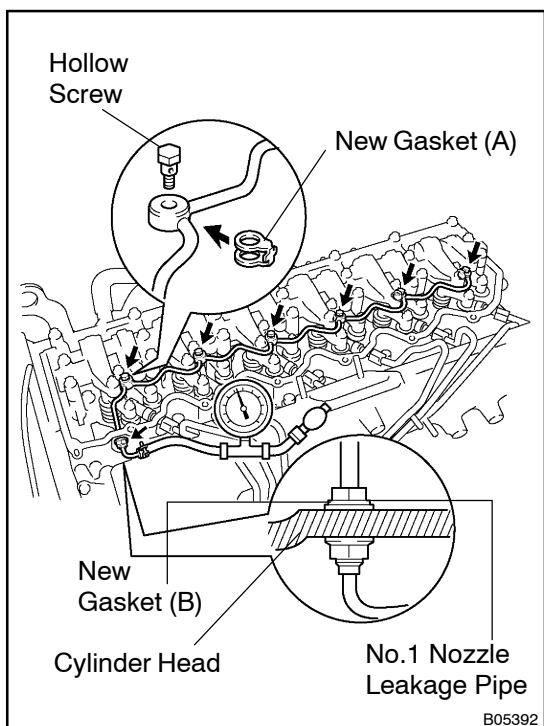
Torque: 24.5 N·m (250 kgf·cm, 18 ft·lbf)



- (d) Tighten the 6 union nuts to the injection nozzle.
- Torque: 24.5 N·m (250 kgf·cm, 18 ft·lbf)**



- (e) Install the 2 clamps with the 2 nuts.
Torque: 6.4 N·m (65 kgf·cm, 56 in·lbf)
- (f) Install the clamp with the bolt and nut.
Torque: 6.4 N·m (65 kgf·cm, 56 in·lbf)
- (g) Install the No.3 nozzle leakage pipe with the bolt.
Torque: 19.6 N·m (200 kgf·cm, 15 ft·lbf)



4. INSTALL NO.1 NOZZLE LEAKAGE PIPE

- (a) Install the 7 new gaskets, No.1 nozzle leakage pipe to the cylinder head, injection nozzle with the 6 hollow screw and nut.
Torque:
Hollow screw: 11.3 N·m (115 kgf·cm, 8 ft·lbf)
Nut: 19 N·m (186 kgf·cm, 14 ft·lbf)

NOTICE:

Install the gasket (A) so that its connecting part is between the pipe as shown in the illustration.

- (b) Using SST (turbocharger pressure gauge), apply the SST to the fuel return side of the No.1 nozzle leakage pipe, and maintain 49 kPa (0.5 kgf/cm², 7.1 psi) of pressure for 10 seconds to check that there are no leaks.
SST 09992-00242
- (c) Connect the fuel return hose to the No.1 nozzle leakage pipe.

5. INSTALL NO.1 AND NO.2 CYLINDER HEAD COVERS (See page EM-23)

6. INSTALL EGR W/COOLER PIPE SUB-ASSY (See page EM-23)

7. INSTALL INTAKE PIPE (See page EM-23)

8. START ENGINE AND CHECK FOR FUEL LEAKAGE