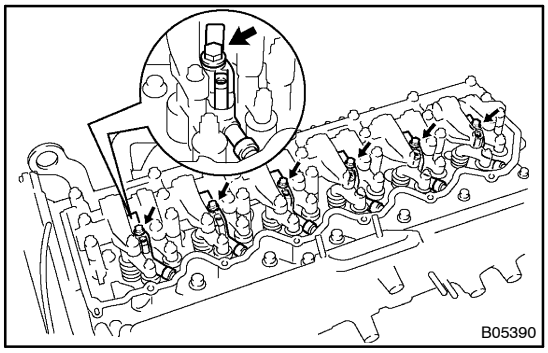
FU02D–03

INSTALLATION

1. INSTALL INJECTION NOZZLES

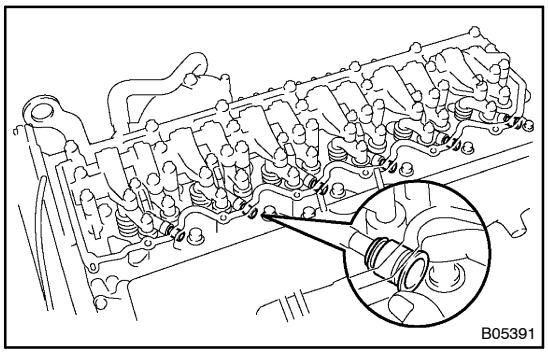
(a) Install a new O–ring to the injection nozzle.

(b) Place 6 new nozzle seats into the injection nozzle holes of the cylinder head.



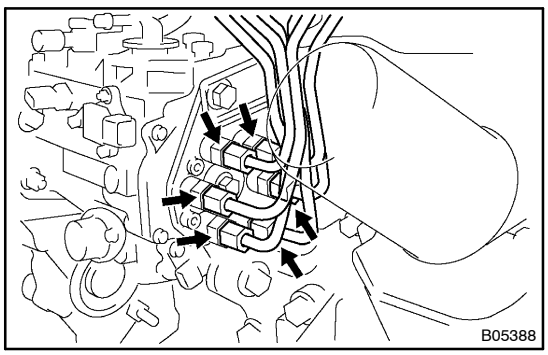
(c) Install the injection nozzles with the nozzle holder clamp, washer and bolt to the cylinder head.
Torque: 25 N·m (255 kgf·cm, 18 ft·lbf)

(d) Inspect the valve clearance. (See page EM–9)



2. INSTALL NOZZLE HOLDER SEALS

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

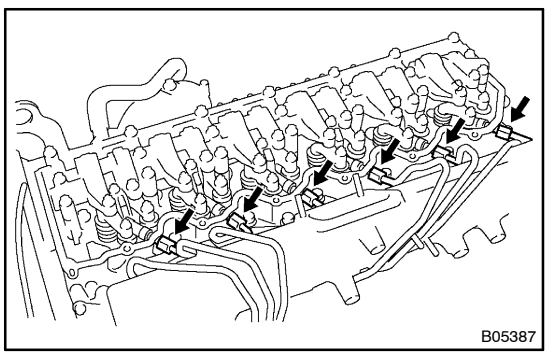


3. INSTALL INJECTION PIPES

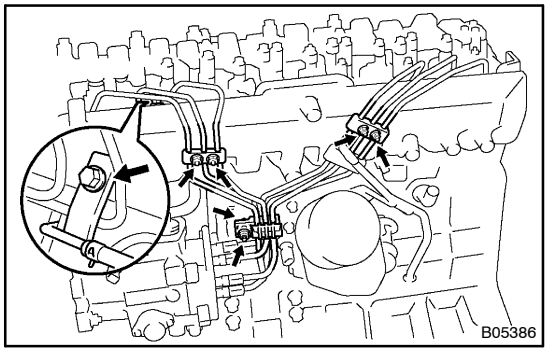
(a) Place the 2 clamps on the intake manifold.

(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)



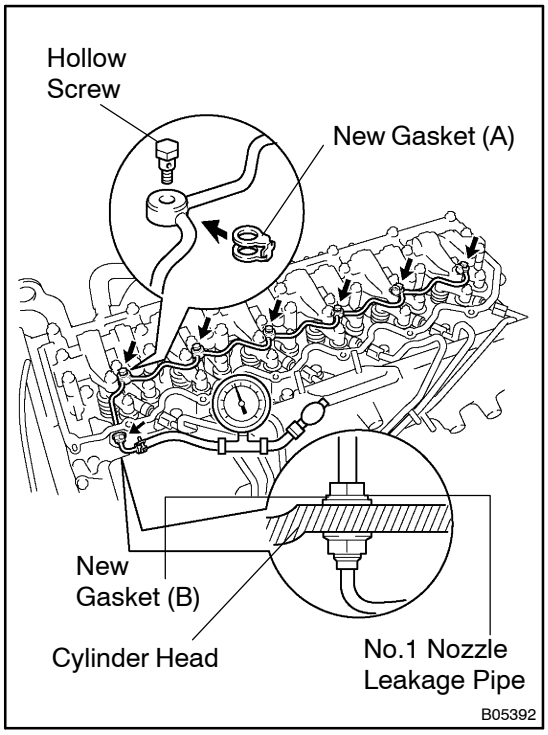
(d) Tighten the 6 union nuts to the injection nozzle.
Torque: 24.5 N·m (250 kgf·cm, 18 ft·lbf)



(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/cm^2, 7.1 psi) of pressure for 10 seconds to check that there are no leaks.
SST 09992–00241

(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–94)

6. INSTALL INTAKE PIPE (See page EM–94)

7. START ENGINE AND CHECK FOR FUEL LEAKAGE