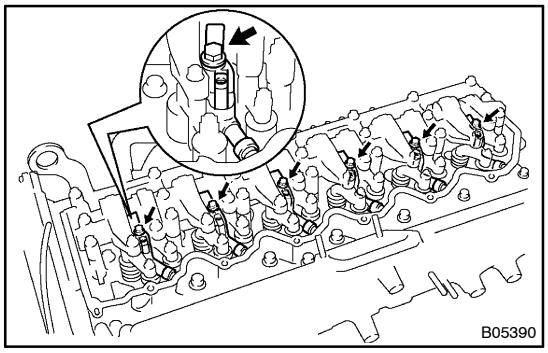
FU0AK–01

# INSTALLATION

**1. INSTALL INJECTION NOZZLES**

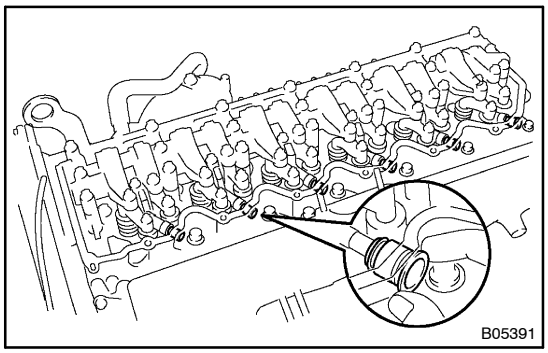
(a) Install a new O–ring to the injection nozzle.

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



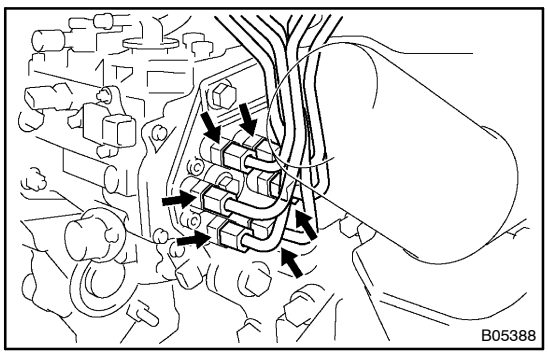

(c) Install the injection nozzles with the nozzle holder clamp, washer and bolt to the cylinder head.
**Torque: 25 N·m (255 kgf·cm, 18 ft·lbf)**

(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.

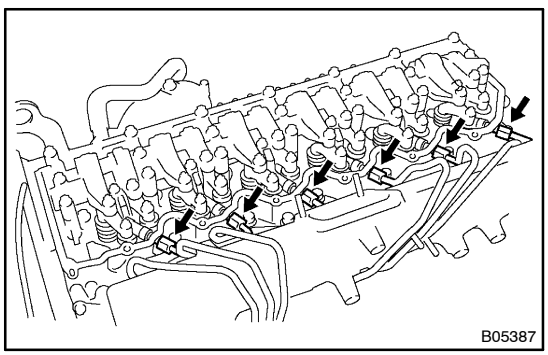



**3. INSTALL INJECTION PIPES**

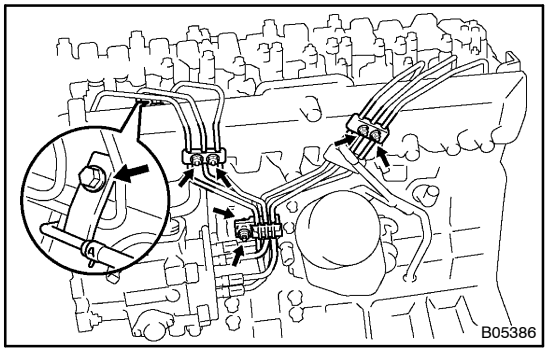
(a) Place the 2 clamps on the intake manifold.

(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)**



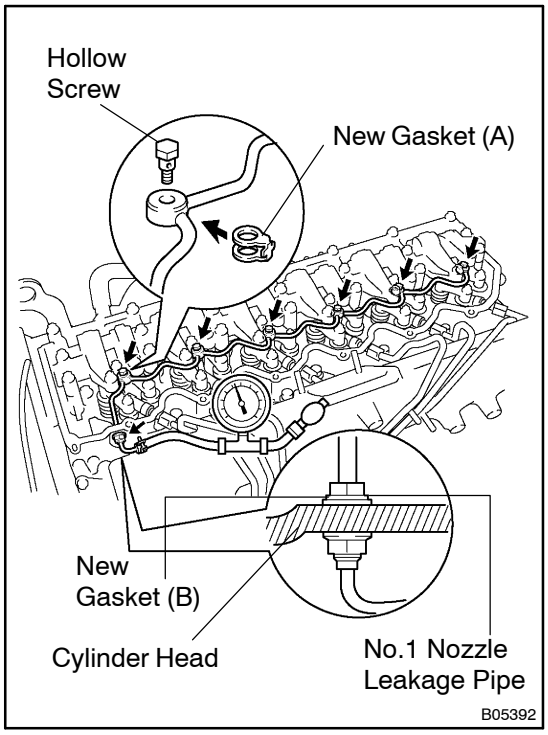

(d) Tighten the 6 union nuts to the injection nozzle.
**Torque: 24.5 N·m (250 kgf·cm, 18 ft·lbf)**




(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/cm$^2$, 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**