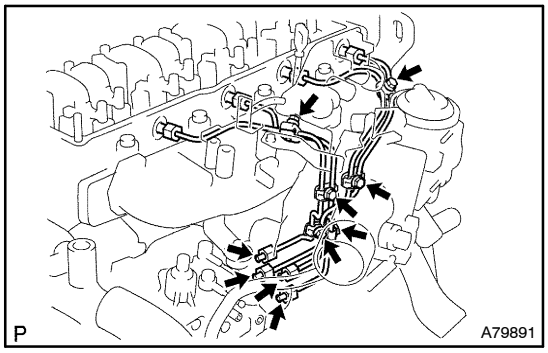
110Q2–01

REPLACEMENT

1. DISCONNECT BATTERY NEGATIVE TERMINAL

2. DRAIN FUEL

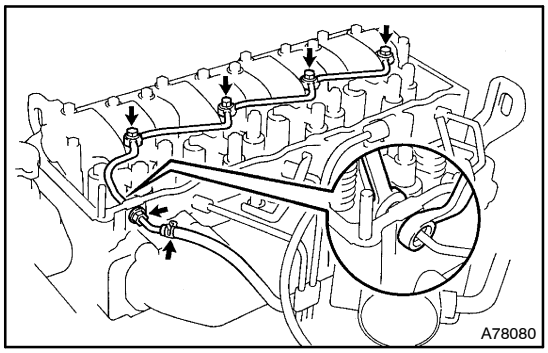
3. REMOVE CYLINDER HEAD COVER



4. REMOVE INJECTION PIPE SET

(a) Loosen the union nuts of the 4 injection pipes.
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(b) Remove the 4 bolts, 2 nuts, 4 injection pipes and 6 clamps.

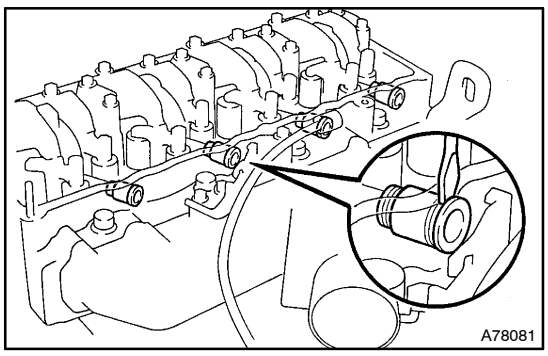


5. REMOVE NOZZLE LEAKAGE PIPE ASSY

(a) Disconnect the fuel return hose from the nozzle leakage pipe.

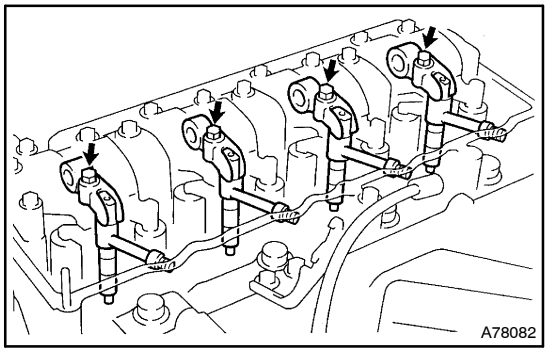
(b) Remove the nut holding the nozzle leakage pipe to the cylinder head.

(c) Remove the 4 hollow bolts, 5 gaskets and nozzle leakage pipe.



6. REMOVE NOZZLE HOLDER SEAL

(a) Using a screwdriver, pry out the nozzle holder seals from the cylinder head.



7. REMOVE NOZZLE HOLDER AND NOZZLE SET

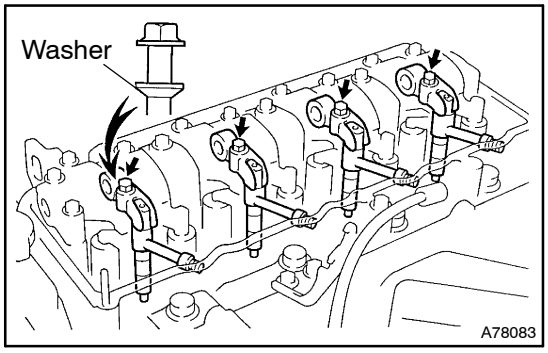
(a) Remove the bolt holding the nozzle holder clamp to the cylinder head.

(b) Remove the 4 injection nozzles and seats from the cylinder head.

(c) Remove the O–ring from the injection nozzle.

HINT:

Arrange the injection nozzles in connect order.



8. INSTALL NOZZLE HOLDER AND NOZZLE SET

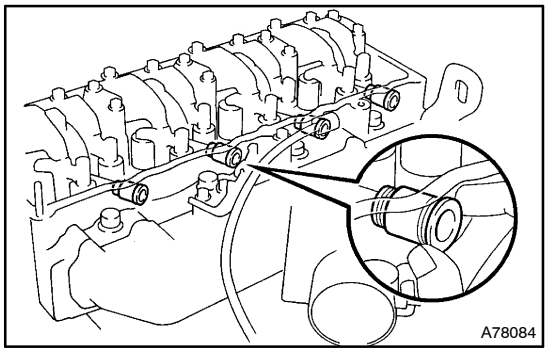
(a) Install a new O–ring to the injection nozzle.

(b) Place 4 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.

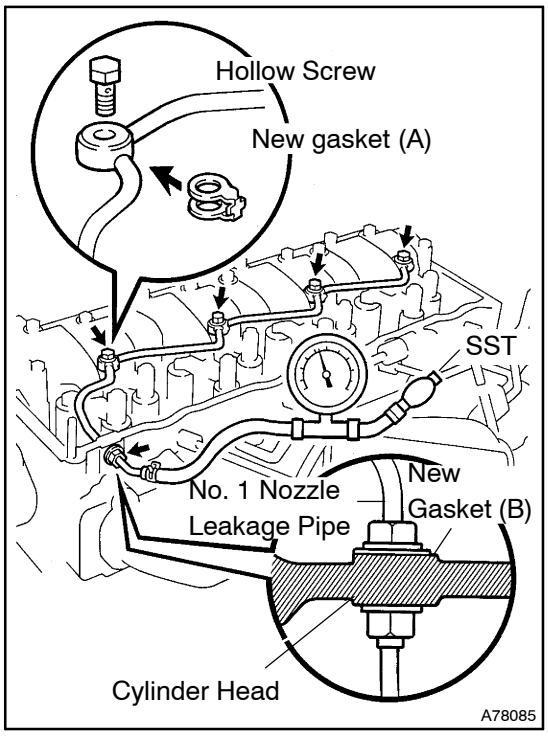
Torque: 21 N·m (210 kgf·cm, 15 ft·lbf)

(d) Inspect the valve clearance (See page 14–49).



9. INSTALL NOZZLE HOLDER SEAL

(a) Install the 4 new nozzle holder seals to the cylinder head with your hand.



10. INSTALL NOZZLE LEAKAGE PIPE ASSY

(a) Install the 5 new gaskets, nozzle leakage pipe to the cylinder head and 2 injection nozzle with the 4 hollow screws and nut.

Torque:
Hollow screw: 12 N·m (125 kgf·cm, 9 ft·lbf)
Nut: 14 N·m (145 kgf·cm, 10 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 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.

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(c) Connect the fuel return hose to the nozzle leakage pipe.

11. INSTALL INJECTION PIPE SET

(a) Temporarily install a flare nut respectively on the nozzle side and pump side.

(b) Install the injection pipe clamp to the injection pipe.

Torque: 7.5 N·m (76 kgf·cm, 66 in.·lbf)

(c) Tighten the flare nuts completely.

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

12. ADD FUEL

13. BLEED FUEL (See page 11–57)

14. CONNECT BATTERY NEGATIVE TERMINAL

15. INSPECT FOR FUEL LEAKS