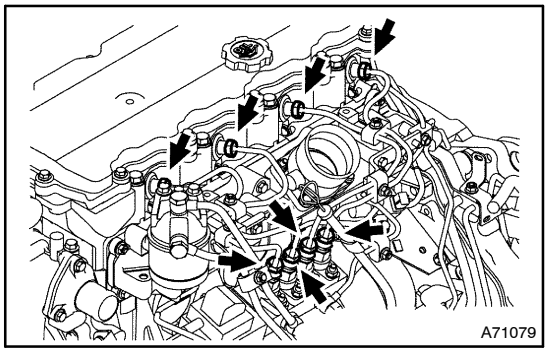
110DK–02

REPLACEMENT

1. DISCONNECT BATTERY NEGATIVE TERMINAL

2. DRAIN FUEL

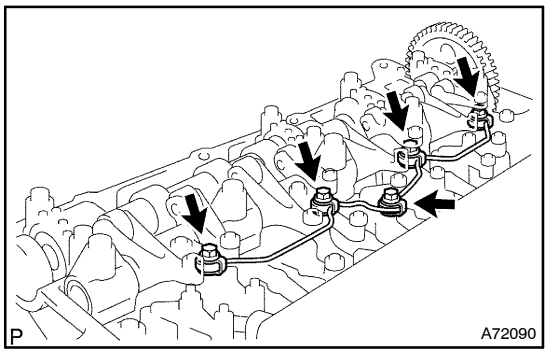
3. REMOVE CYLINDER HEAD COVER



4. REMOVE INJECTION PIPE SET

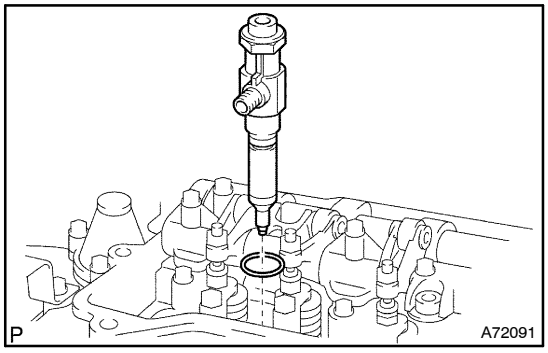
(a) Loosen the 4 union nuts from the 4 injection nozzles.

5. REMOVE NOZZLE HOLDER SEAL



6. REMOVE NOZZLE LEAKAGE PIPE NO.1

(a) Remove the 5 joint bolts, fuel return pipe and 5 gaskets.



7. REMOVE NOZZLE HOLDER AND NOZZLE SET

(a) Remove the 4 bolts, 4 washers, 4 nozzle holder clamps, 4 injection nozzles and 4 seats..

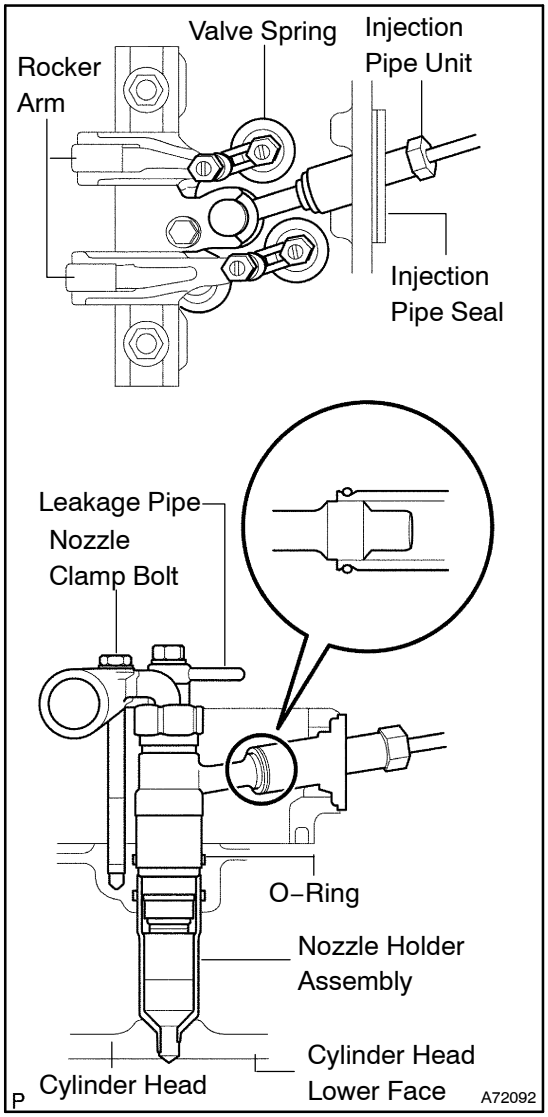
(b) Remove the O–rings from the injection nozzle.

If difficult, use a SST, sliding hammer for easier removal.

SST S0942–01442

NOTICE:

Replace the 2 O–rings with a new one.



8. INSTALL NOZZLE HOLDER AND NOZZLE SET

(a) Install a new O–ring into the groove of the cylinder head.

(b) Make sure that there is no dirt or foreign particles at the sealing part between the nozzle holder and related parts (O–ring, nozzle sleeve and injection pipe seal), and connecting part between the nozzle holder and nut of the injection pipe.

(c) Insert the nozzle holder taking care not to contact the valve spring as shown in the figure.

NOTICE:

Apply engine oil to the O–ring and be careful that the O–ring is not caught.

(d) Cover the end of the injection pipe seal with the nozzle holder as shown in the figure and tighten the bolts to fasten the injection pipe seal to the cam housing.

(e) Tighten the nut of the injection pipe provisionally.

(f) Tighten the nozzle clamp bolt.

Torque: 25 N·m (250 kgf·cm, 18 ft·lbf)

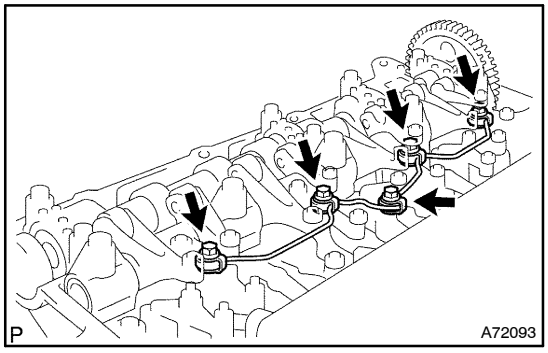
NOTICE:

After tightening the bolt, make sure that the rocker arm moves smoothly.

(g) Tighten the nut of the injection pipe.

Torque: 34 N·m (350 kgf·cm, 25 ft·lbf)

(h) Install the leakage pipe.

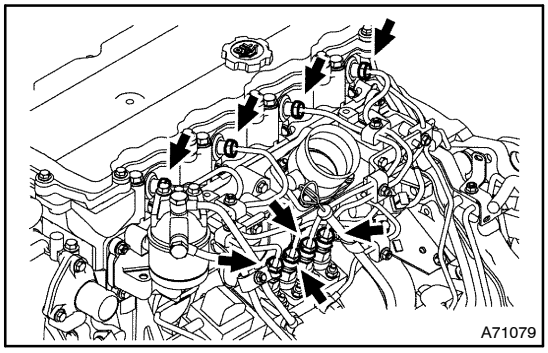


9. INSTALL NOZZLE LEAKAGE PIPE NO.1

(a) Install 5 new gaskets and the return pipe with the 5 joint bolts.

Torque: 12.3 N·m (125 kgf·cm, 9 ft·lbf)

10. INSTALL NOZZLE HOLDER SEAL



11. INSTALL INJECTION PIPE SET

(a) Tighten the 4 union nuts to the 4 injection pipes.
Torque: 34 N·m (350 kgf·cm, 25 ft·lbf)

12. INSTALL CYLINDER HEAD COVER
13. ADD FUEL
14. BLEED FUEL (See page 11–112)
15. CONNECT BATTERY NEGATIVE TERMINAL
16. INSPECT FOR FUEL LEAKS