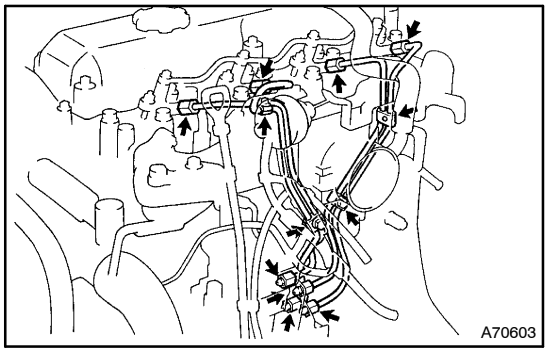
110PU–01

REPLACEMENT

1. DISCONNECT BATTERY NEGATIVE TERMINAL

2. DISCONNECT VENTURI ACCELERATOR CONNECTING ROD



3. REMOVE FUEL PIPE SET

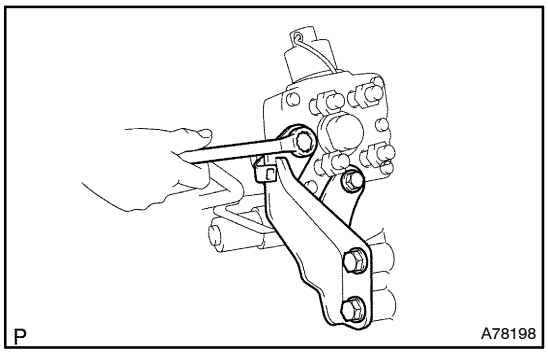
(a) Loosen the union nuts of the 4 injection pipes.
SST 09023–12700

(b) Remove the 3 bolts, nut, 4 injection pipes and clamps.

4. DISCONNECT FUEL MAIN HOSE

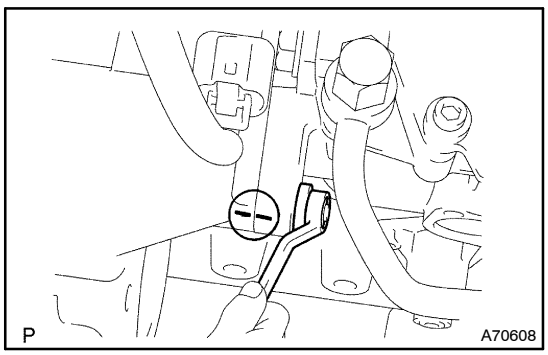
5. DISCONNECT FUEL RETURN HOSE

6. DISCONNECT FUEL CUT SOLENOID & ENGINE SPEED SENSOR CONNECTOR



7. REMOVE INJECTION PUMP ASSY

(a) Remove the 4 bolts and injection pump stay.



(b) Before removing the injection pump, check if the matchmarks are aligned. If not, place new matchmarks for reinstallation.

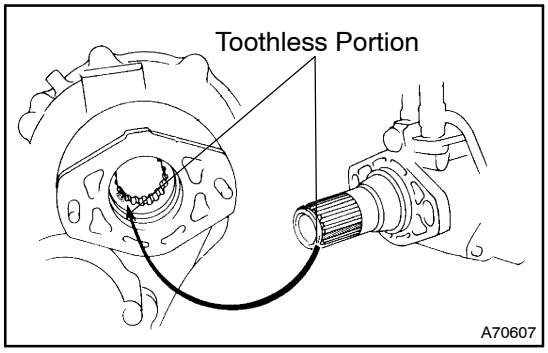
(c) Remove the 2 nuts and injection pump.

8. REMOVE FUEL FILTER TO INJECTION PUMP FUEL PIPE

9. REMOVE NOZZLE LEAKAGE PIPE ASSY NO.2

10. INSTALL NOZZLE LEAKAGE PIPE ASSY NO.2
Torque: 26.55 N·m (260 kgf·cm, 19 ft·lbf)

11. INSTALL FUEL FILTER TO INJECTION PUMP FUEL PIPE
Torque: 26.55 N·m (260 kgf·cm, 19 ft·lbf)

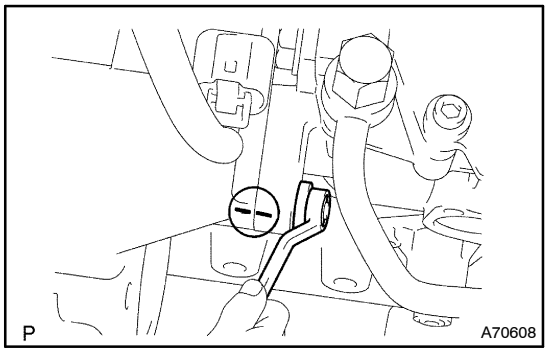


12. INSTALL INJECTION PUMP ASSY

(a) Install a new O–ring to the pump.

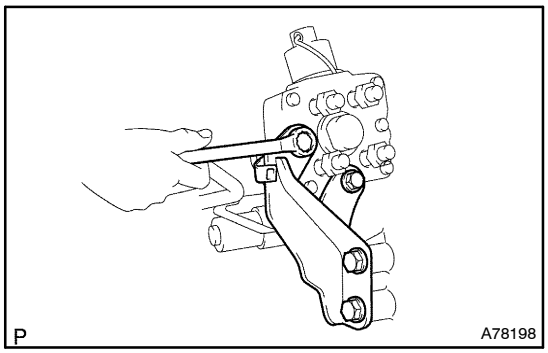
(b) Apply a light coat of engine oil on the O–ring.

(c) Align the spline toothless portions of the injection pump and injection pump drive gear, and install the injection pump.



(d) Align the matchmarks of the injection pump flange and timing gear case.

(e) Install the injection pump with the 2 nuts.
Torque: 18.5 N·m (189 kgf·cm, 14 ft·lbf)

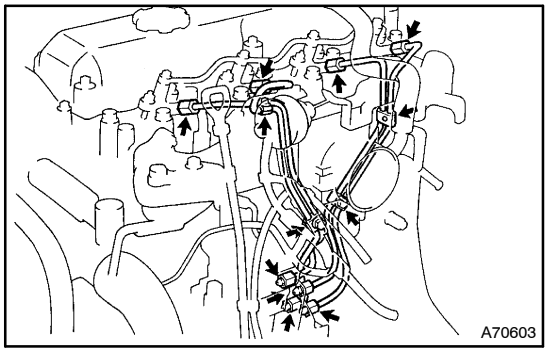


(f) Install the injection pump stay with the 4 bolts.
Torque:
18.5 N·m (189 kgf·cm, 14 ft·lbf) for 12 mm head bolt
37.5 N·m (382 kgf·cm, 28 ft·lbf) for 14 mm head bolt

13. CONNECT FUEL CUT SOLENOID & ENGINE SPEED SENSOR CONNECTOR

14. CONNECT FUEL RETURN HOSE

15. CONNECT FUEL MAIN HOSE



16. INSTALL FUEL 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.
SST 09023–12700
Torque: 25 N·m (255 kgf·cm, 18 ft·lbf)

17. CONNECT VENTURI ACCELERATOR CONNECTING ROD

18. CONNECT BATTERY NEGATIVE TERMINAL

19. BLEED FUEL

20. ADJUST INJECTION TIMING

21. INSPECT FOR FUEL LEAKS