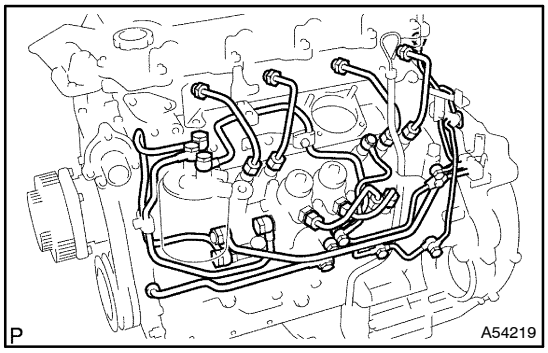
110QN–01

REPLACEMENT

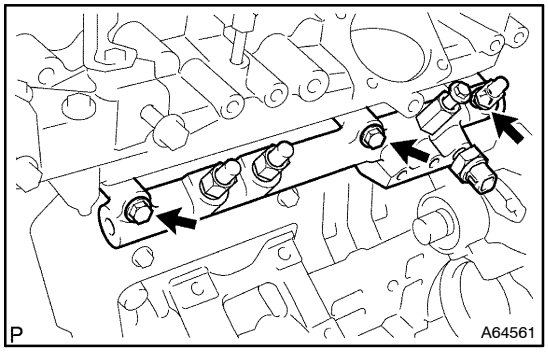
1. DISCONNECT BATTERY NEGATIVE TERMINAL
2. DRAIN FUEL
3. REMOVE INTAKE AIR CONNECTOR
4. DISCONNECT HARNESS AND CONNECTOR
5. REMOVE OIL LEVEL GAUGE SUB–ASSY
6. REMOVE INTAKE AIR PIPE
7. REMOVE INJECTION PIPE SET (See page 11–159)



8. REMOVE FUEL PIPE SET

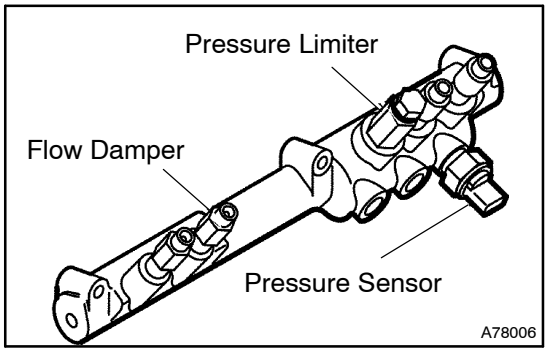
(a) Remove the illustrated fuel pipe.

9. REMOVE DIESEL FUEL FILTER ASSY (See page 11–156)
10. REMOVE SUPPLY PUMP ASSY (See page 11–163)



11. REMOVE COMMON RAIL ASSY

(a) Disconnect the connectors.
(b) Remove the 3 bolts and common rail.



12. REMOVE FLOW DAMPER WITH GASKET
13. REMOVE PRESSURE LIMITER WITH GASKET

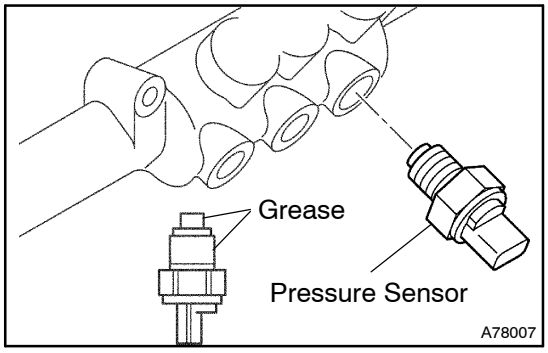
NOTICE:

Be careful not to damper the seal surface.

14. REMOVE PRESSURE SENSOR

NOTICE:

- **Taking out pressure sensor is not reusable part. Because, if you reuse it, its thread may be broken.**
- **Every parts of the common rail should be washed clean carefully laying thread side of parts below.**



15. INSTALL PRESSURE SENSOR

(a) Apply grease to the presure sensor as shown in the illustration.

NOTICE:

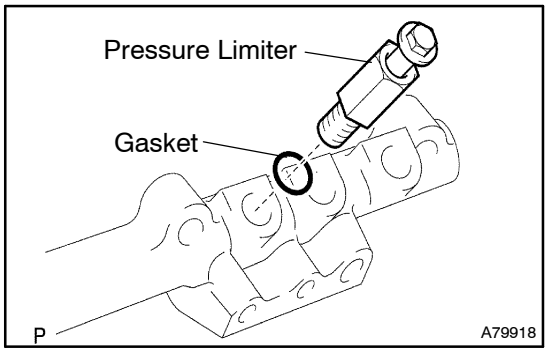
Be careful to prevent dust from entering inside.

(b) Tighten the new pressure sensor.

Torque: 98 N·m (1,000 kgf·cm, 72 ft·lbf)

NOTICE:

Don't touch the terminal of the connector.



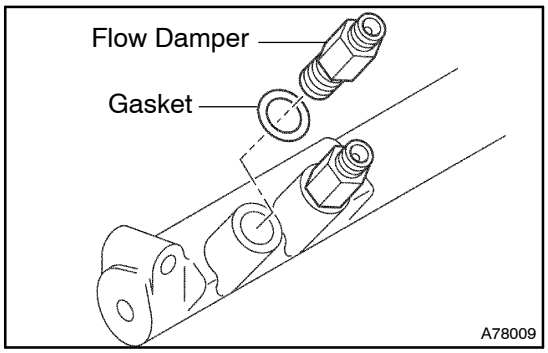
16. INSTALL PRESSURE LIMITER

(a) Install the pressure limiter with a new gasket.

Torque: 172 N·m (1,750 kgf·cm, 127 ft·lbf)

NOTICE:

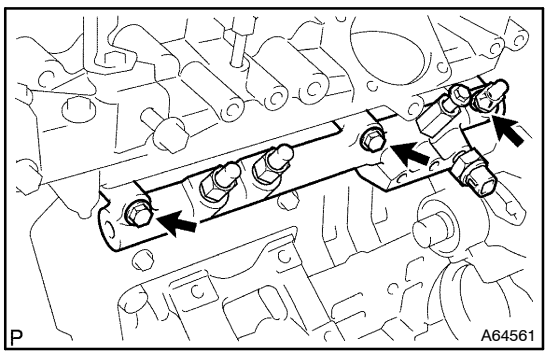
- **Tighten the 24 mm width across flats.**
- **Don't tighten the 22 mm width.**



17. INSTALL FLOW DAMPER

(a) Install the flow damper with a new gasket.

Torque: 172 N·m (1,750 kgf·cm, 127 ft·lbf)



18. INSTALL COMMON RAIL ASSY

(a) Install the common rail with the 3 bolts.

(b) Connect the connectors.

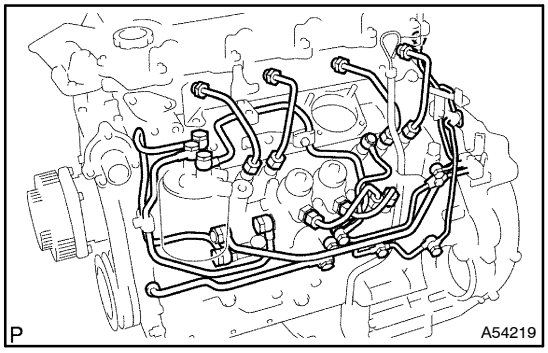
Torque: 28.5 N·m (290 kgf·cm, 21 ft·lbf)

NOTICE:

- **Be careful to prevent dust from entering inside the common rail and parts when the mounting is preformed. Dust and foreign matter must not adhere to the seats of the parts and common rail main unit.**
- **After the operation is completed, wipe off the fuel which leaked and start the engine. Make sure that the fuel does not leak again.**

19. INSTALL SUPPLY PUMP ASSY (See page 11–163)

20. INSTALL DIESEL FUEL FILTER ASSY (See page 11–156)



21. INSTALL FUEL PIPE SET

(a) Install the fuel pipes.

22. INSTALL INJECTION PIPE SET (See page 11–159)
23. INSTALL INTAKE AIR PIPE
24. INSTALL OIL LEVEL GAUGE SUB–ASSY
25. INSTALL HARNESS AND CONNECTOR
26. INSTALL INTAKE AIR CONNECTOR
27. ADD FUEL
28. BLEED FUEL (See page 11–156)
29. INSTALL BATTERY NEGATIVE TERMINAL
30. INSPECT FOR FUEL LEAKS (See page 11–155)