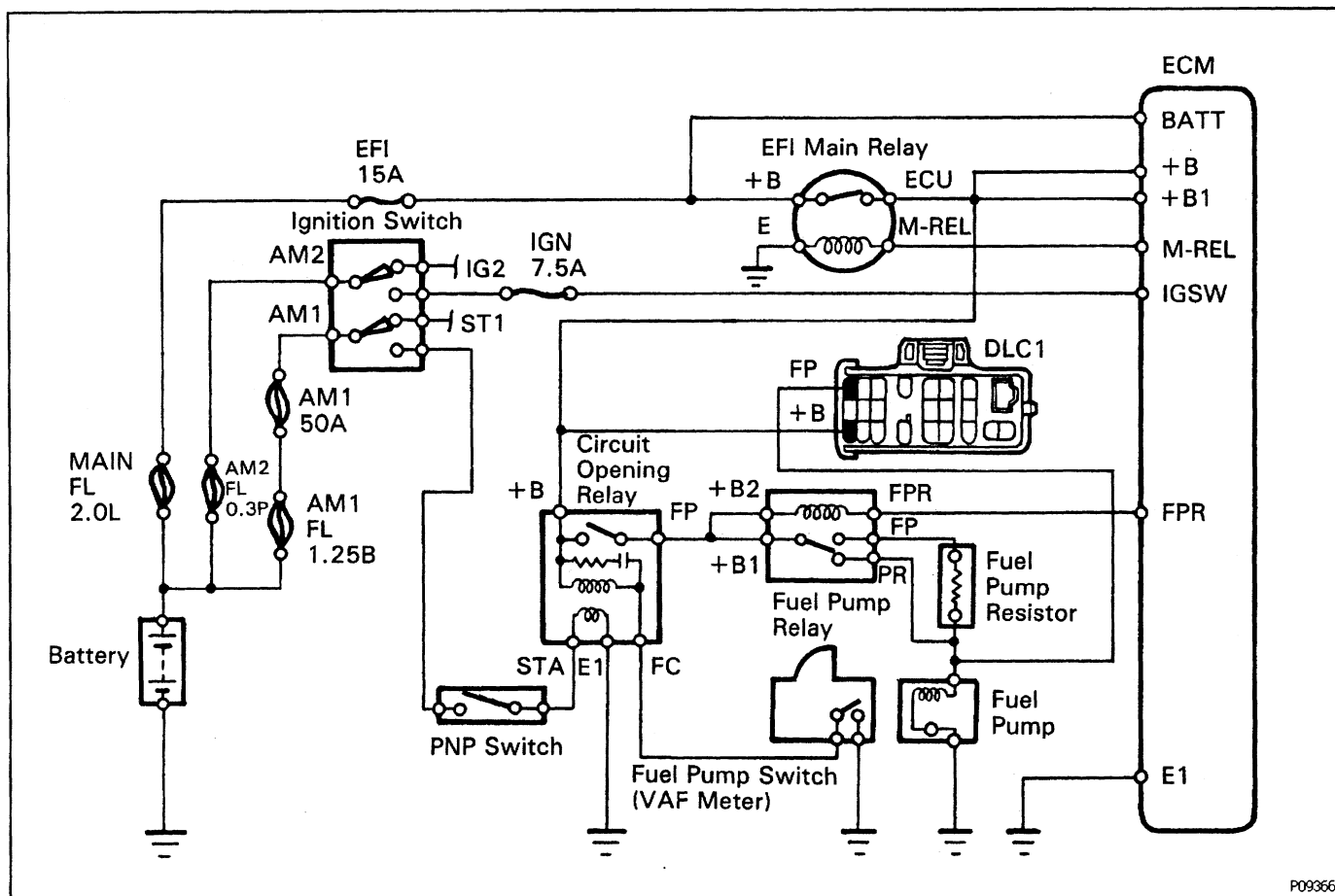


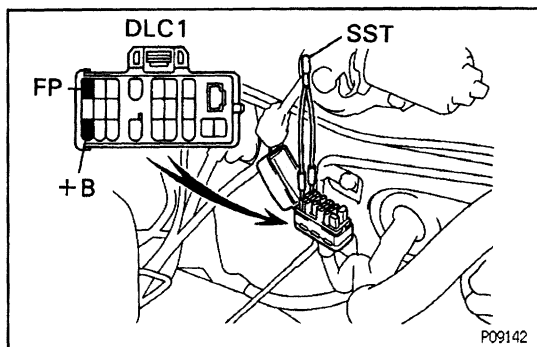
FUEL PUMP SYSTEM CIRCUIT

E00CY-07



P09366

E01A8-08



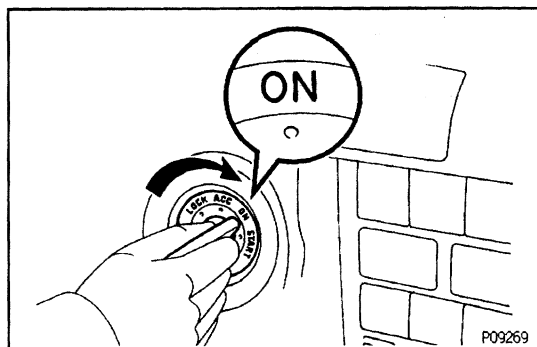
P09142

ON-VEHICLE INSPECTION

1. CHECK FUEL PUMP OPERATION

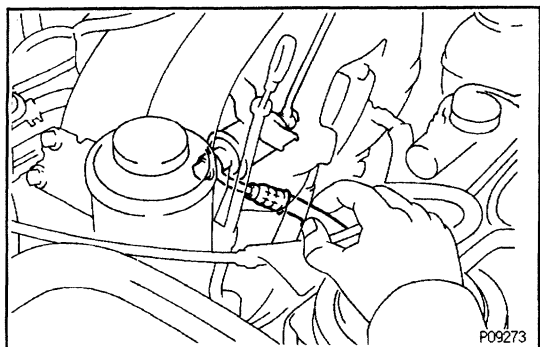
- (a) Using SST, connect terminals +B and FP of the DLC 1.

1. SST 09843-18020



P09269

- (b) Turn the ignition switch ON.
NOTICE: Do not start the engine.



- (c) Check that there is pressure in the hose from the fuel filter.

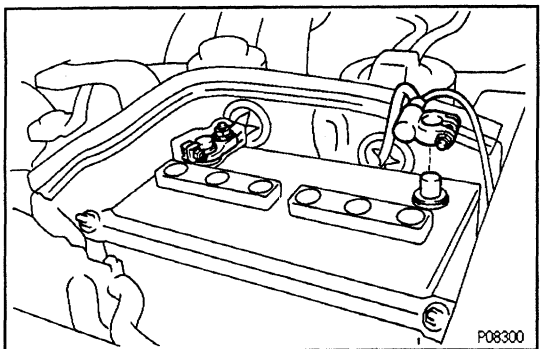
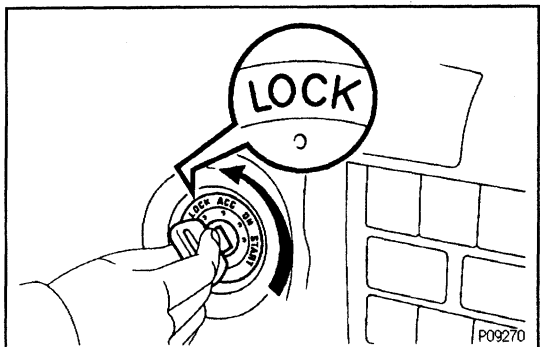
HINT: At this time, you will hear fuel return noise.

- If there is no pressure, check the following parts:
- Fusible links (MAIN 2.OL, AM2 0.3P)
- Fuses (EF1 15A, IGN 7.5A)
- EFI main relay
- Fuel pump
- ECM
- Wiring connections

- (d) Turn the ignition switch to LOCK.

- (e) Remove SST.

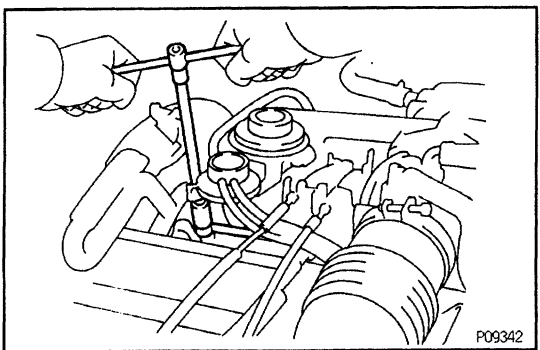
SST 09843-18020



2. CHECK FUEL PRESSURE

- (a) Check that the battery voltages is above 12 volts.

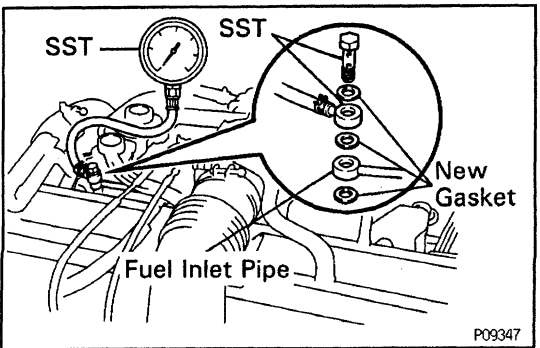
- (b) Disconnect the negative (-) terminal cable from the battery.



- (c) Remove the union bolt and 2 gaskets, and disconnect the fuel inlet pipe from the delivery pipe.

HINT:

- Put a suitable container or shop rag under the delivery pipe. ,
- Slowly loosen the union bolt.

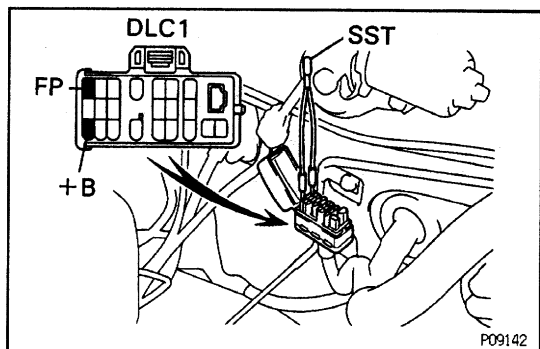


- (d) Install the fuel inlet pipe and SST (pressure gauge) to the delivery pipe with 3 new gaskets and SST (union bolt).

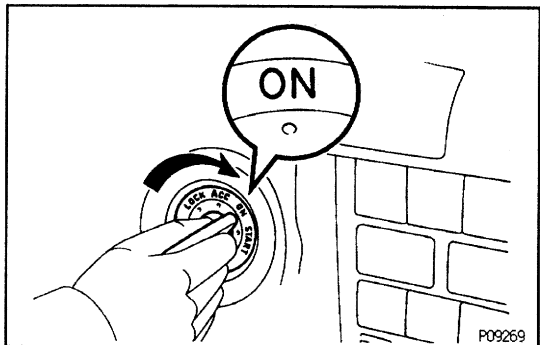
SST 09268-45012

Torque: 29 N-m (300 kgf-cm, 22 ft-lbf)

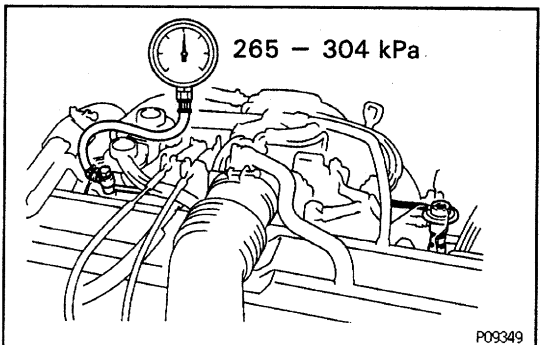
- (e) Wipe off any splattered gasoline.



- (f) Using SST, connect terminals +B and FP of the DLC 1.
SST 09843-18020
(g) Reconnect the battery negative (-) cable.



- (h) Turn the ignition switch ON.



- (i) Measure the fuel pressure.

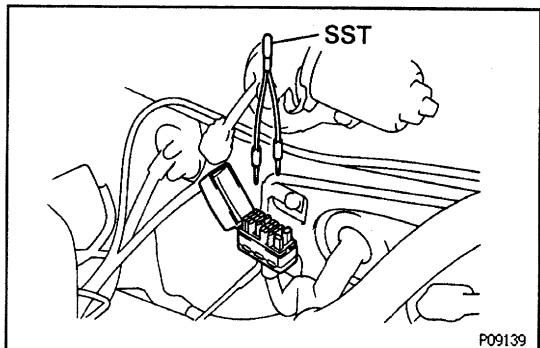
Fuel pressure:

265-304 kPa (2.7-3.1 kgf/cm², 38-44 psi)

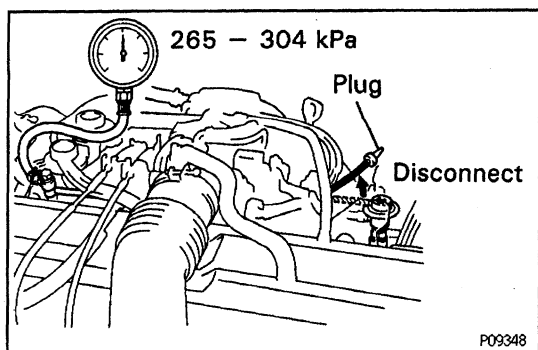
If pressure is high, replace the fuel pressure regulator.

If pressure is low, check the following parts:

- Fuel hoses and connections
- Fuel pump
- Fuel filter
- Fuel pressure regulator
- Fuel pump relay
- Fuel pump resistor
- Injectors



- (j) Remove SST from the DLC1.
SST 09843-18020



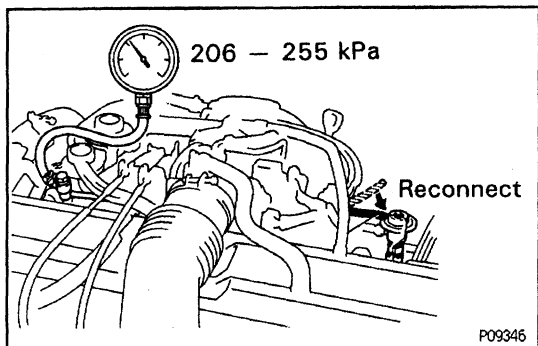
(k) Start the engine.

(l) Disconnect the vacuum sensing hose from the fuel pressure regulator, and plug the hose end.

(m) Measure the fuel pressure at idle.

Fuel pressure:

265-304 kPa (2.7-3.1 kg f/cm², 38-44 psi)



(n) Reconnect the vacuum sensing hose to the fuel pressure regulator.

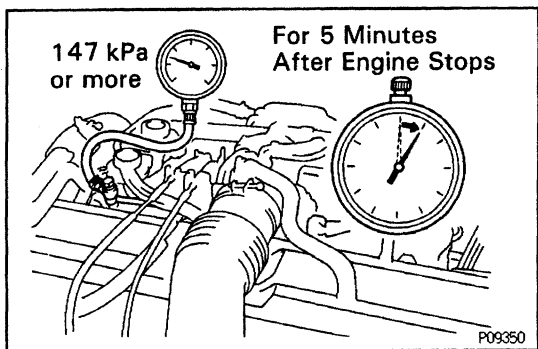
(o) Measure the fuel pressure at idle.

Fuel pressure:

206-255 kPa (2.1-2.6 kgf/cm², 31-37 psi)

If pressure is not as specified, check the vacuum sensing hose and fuel pressure regulator.

(p) Stop the engine.



(q) Check that the fuel pressure remains as specified for 5 minutes after the engine has stopped.

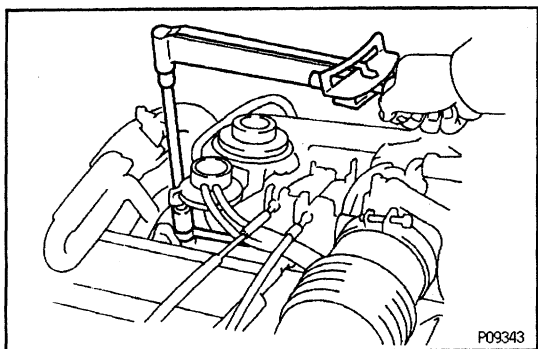
Fuel pressure:

147 kPa (1.5 kgf/cm², 21 psi) or more

If pressure is not as specified, check the fuel pump, pressure regulator and/or injector.

(r) After checking fuel pressure, disconnect the battery negative (-) cable and carefully remove SST to prevent gasoline from splashing.

SST 09268-45012

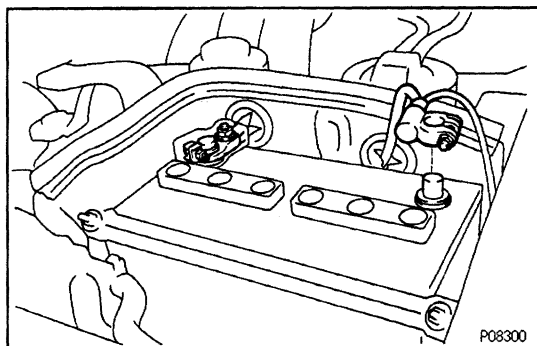


(s) Reconnect the fuel inlet pipe to the delivery pipe with 2 new gaskets and the union bolt.

Torque: 29 N-m (300 kgf-cm, 22 ft-lbf)

(t) Reconnect the negative (-) terminal cable to the battery.

(u) Check for fuel leakage.



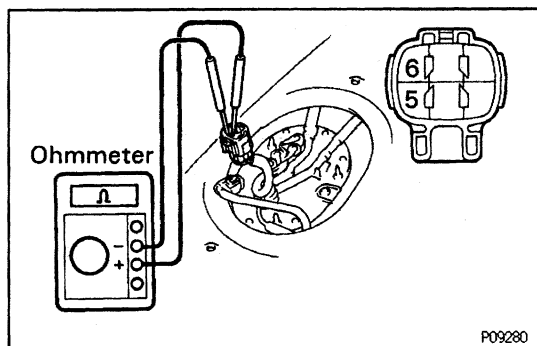
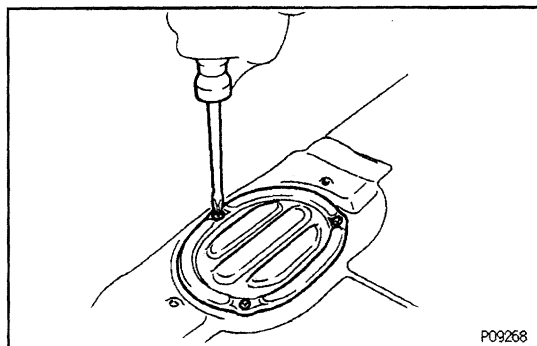
FUEL PUMP INSPECTION

(SEE COMPONENTS FOR REMOVAL AND INSTALLATION)

1. DISCONNECT NEGATIVE TERMINAL CABLE FROM BATTERY
2. REMOVE SECOND SEATS
3. REMOVE SCUFF PLATE
4. REMOVE SIDE GARNISH
5. REMOVE STEP PLATE
6. DISCONNECT FLOOR MATS
7. REMOVE FLOOR SERVICE HOLE COVER

Remove the 3 screws and service hole cover.

8. DISCONNECT FUEL PUMP & SENDER GAUGE CONNECTOR



9. INSPECT FUEL PUMP

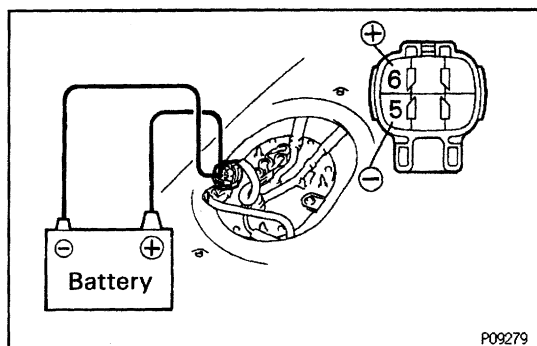
A. Inspect fuel pump resistance

Using an ohmmeter, measure the resistance between the terminals 5 and 6.

Resistance:

0.2 – 3.0 Ω at 20°C (68°F)

If the resistance is not as specified, replace the fuel pump.



B. Inspect fuel pump operation

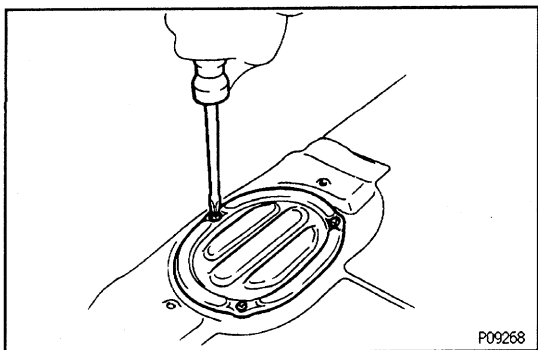
Connect the positive (+) lead from the battery to terminal 6 of the connector, and the negative (-) lead to terminal 5. Check that the fuel pump operates.

NOTICE:

- These tests must be performed quickly (within 10 seconds) to prevent the coil from burning out.
- Keep the fuel pump as far away from the battery as possible.
- Always perform switching at the battery side.

If operation is not as specified, replace the fuel pump.

10. RECONNECT FUEL PUMP & SENDER GAUGE CONNECTOR

**11. REINSTALL FLOOR SERVICE HOLE COVER**

Install the service hole cover with the 3 screws.

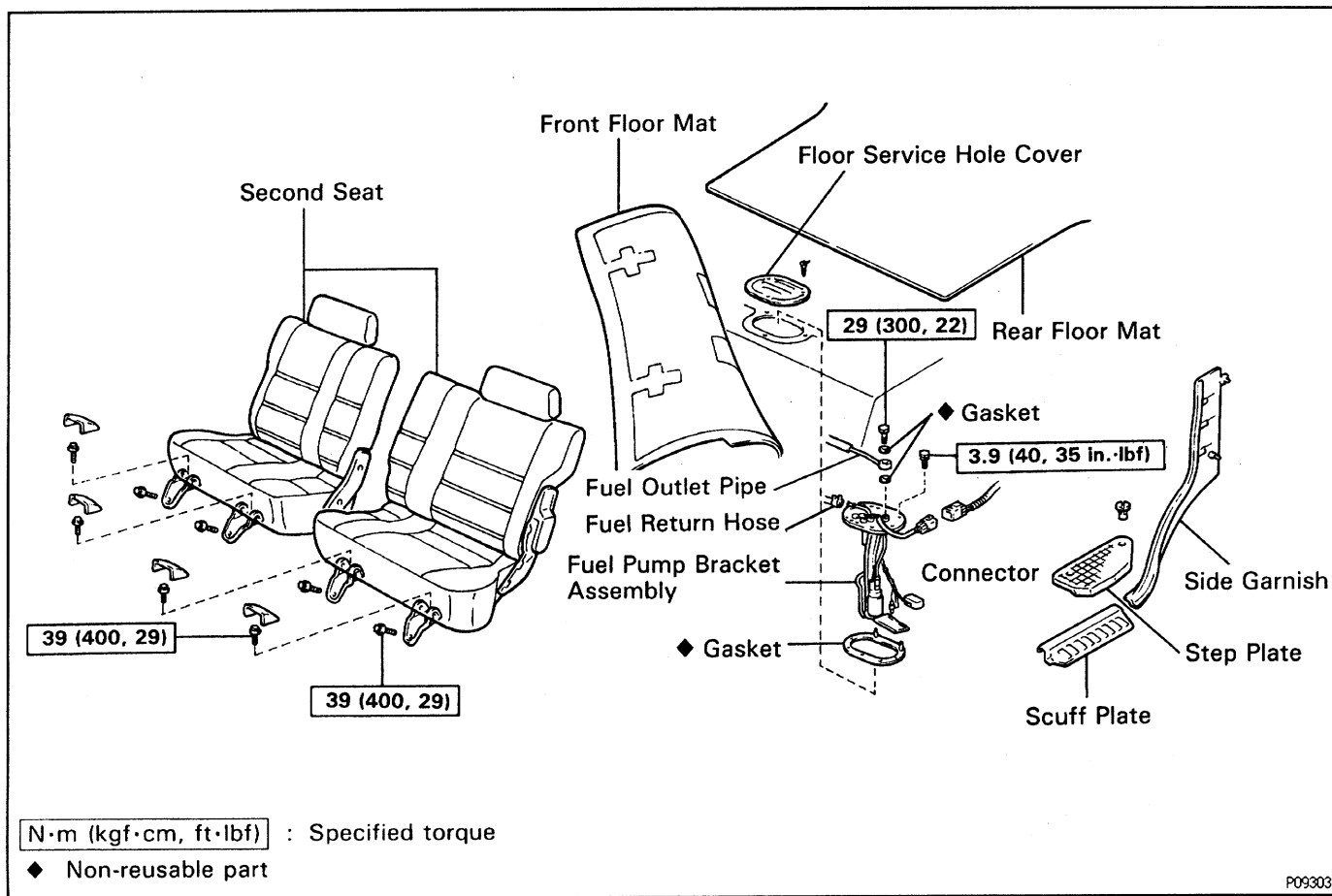
12. REINSTALL FLOOR MATS**13. REINSTALL STEP PLATE****14. REINSTALL SIDE GARNISH****15. REINSTALL SCUFF PLATE****16. REINSTALL SECOND SEATS**

Torque: 39 N·m (400 kgf·cm, 29 ft·lbf)

17. RECONNECT NEGATIVE TERMINAL CABLE TO BATTERY

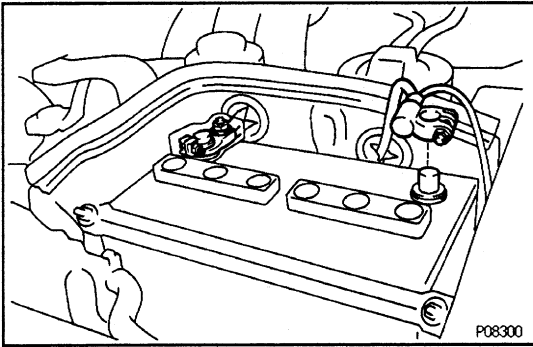
EG1A7-03

COMPONENTS FOR REMOVAL AND INSTALLATION

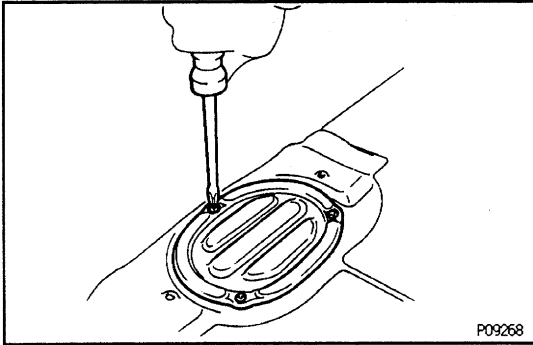


FUEL PUMP REMOVAL

CAUTION: Do not smoke or work near an open flame when working on the fuel pump.

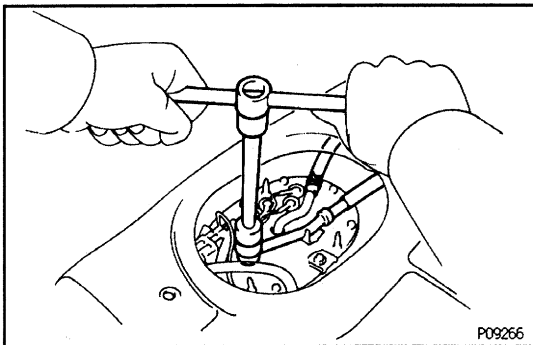


1. DISCONNECT NEGATIVE TERMINAL CABLE FROM BATTERY
2. REMOVE SECOND SEATS
3. REMOVE SCUFF PLATE
4. REMOVE SIDE GARNISH
5. REMOVE STEP PLATE
6. DISCONNECT FLOOR MATS



7. REMOVE FLOOR SERVICE HOLE COVER

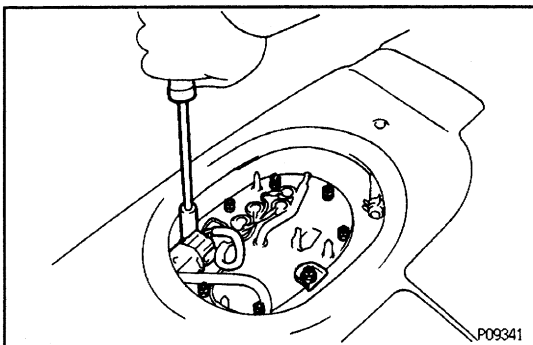
Remove the 3 screws and service hole cover.



8. DISCONNECT FUEL PIPE AND HOSE FROM FUEL PUMP BRACKET

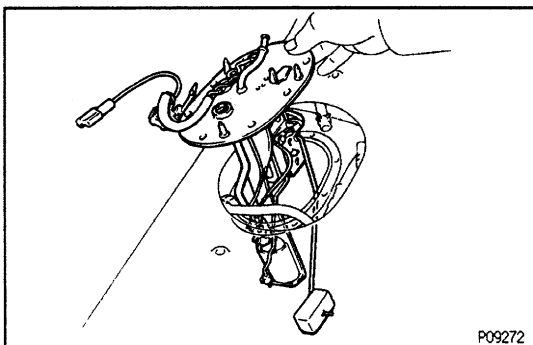
CAUTION: Remove the fuel filter cap to prevent the fuel from flowing out.

- (a) Remove the union bolt and gaskets, and disconnect the outlet pipe from the pump bracket.
- (b) Disconnect the return hose from the pump bracket.



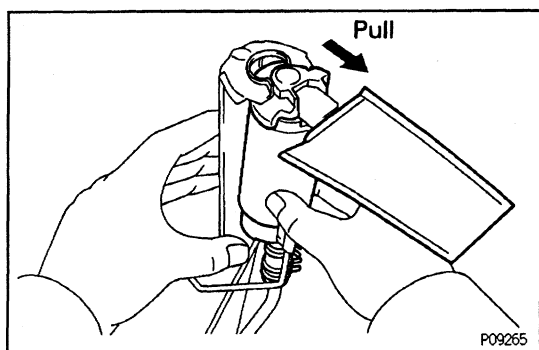
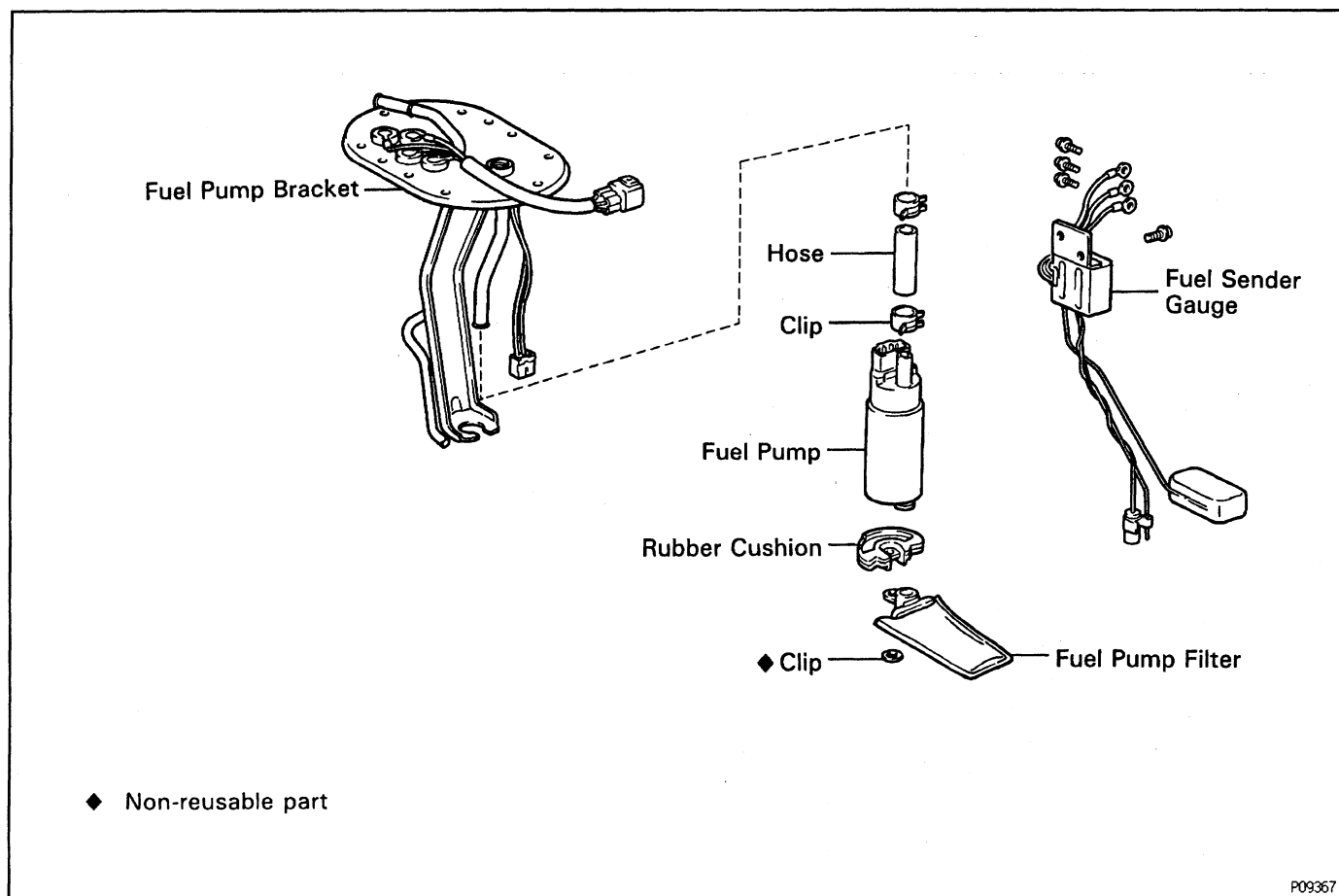
9. REMOVE FUEL PUMP BRACKET ASSEMBLY FROM FUEL TANK

- (a) Remove the 8 bolts.
- (b) Disconnect the fuel pump & sender gauge connector.



- (c) Pull out the pump bracket assembly.
- (d) Remove the gasket from the pump bracket.

COMPONENTS FOR DISASSEMBLY AND ASSEMBLY



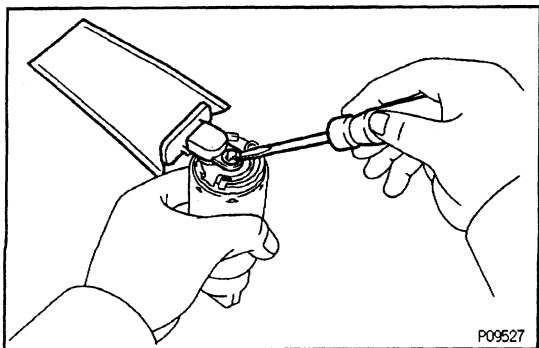
FUEL PUMP DISASSEMBLY

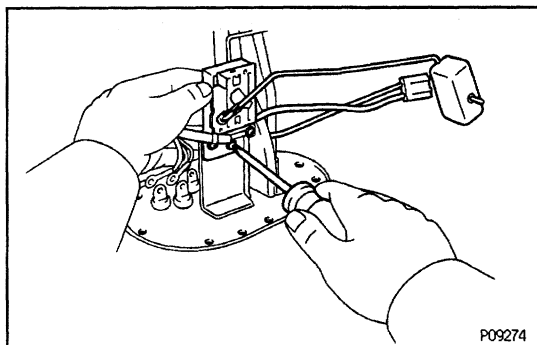
1. REMOVE FUEL PUMP FROM FUEL PUMP BRACKET

- Pull off the lower side of the fuel pump from the pump bracket.
- Disconnect the fuel pump connector.
- Disconnect the fuel hose from the fuel pump, and remove the fuel pump.
- Remove the rubber cushion from the fuel pump.

2. REMOVE FUEL PUMP FILTER FROM FUEL PUMP

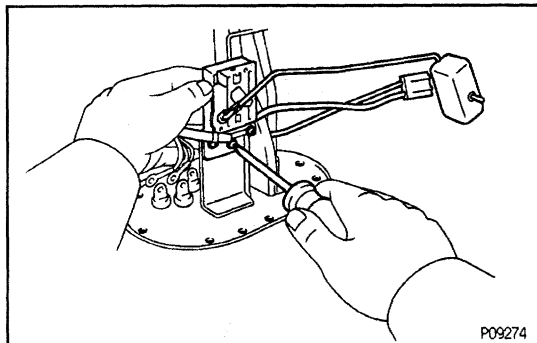
- Using a small screwdriver, remove the clip.
- Pull out the pump filter.





3. REMOVE FUEL SENDER GAUGE FROM FUEL PUMP BRACKET

- (a) Remove the 3 screws and disconnect the lead wires from the pump bracket.
- (b) Remove the 3 screws and sender gauge.



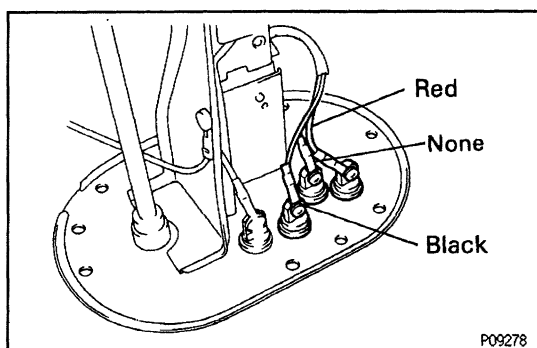
FUEL PUMP ASSEMBLY

EG003-00

(See Components for Disassembly and Assembly)

1. INSTALL FUEL SENDER GAUGE TO FUEL PUMP BRACKET

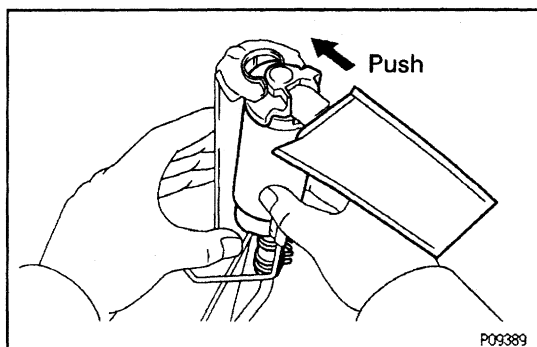
- (a) Install the sender gauge with the 3 screws.



- (b) Connect the 3 lead wires to the pump bracket with the screws as shown.

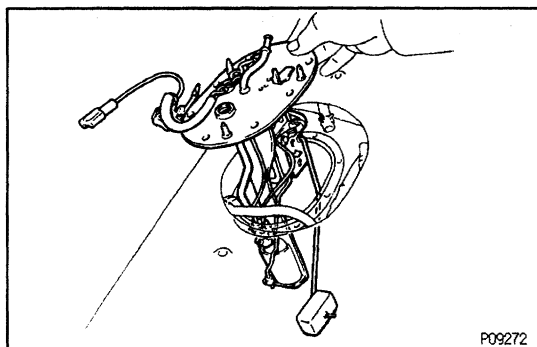
2. INSTALL FUEL PUMP FILTER TO FUEL PUMP

Install the pump filter with a new clip.



3. INSTALL FUEL PUMP TO FUEL PUMP BRACKET

- (a) Install the rubber cushion to the fuel pump.
- (b) Connect the fuel hose to the outlet port of the fuel pump.
- (c) Install the fuel pump connector.
- (d) Install the fuel pump by pushing the lower side of the fuel pump.



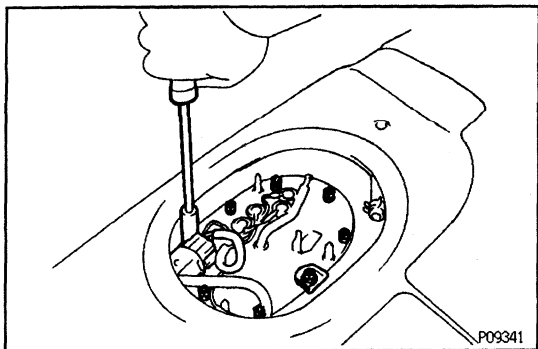
FUEL PUMP INSTALLATION

E018F-02

(See Components for Removal and Installation)

1. INSTALL FUEL PUMP BRACKET ASSEMBLY TO FUEL TANK

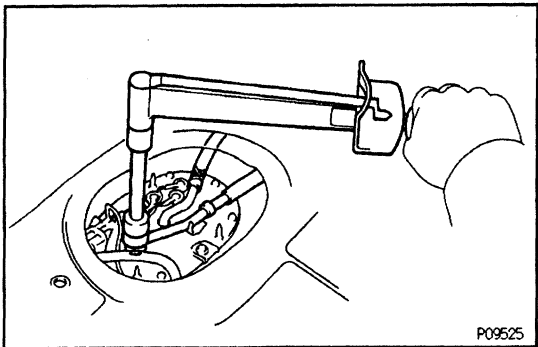
- (a) Install a new gasket to the pump bracket.
- (b) Insert the pump bracket assembly into the fuel tank.



(c) Connect the fuel pump & fuel sender gauge connector.

(d) Install the pump bracket with the 8 screws.

Torque: 3.9 N-m (40 kgf-cm, 35 in-lbf)



2. CONNECT FUEL PIPE AND HOSE TO FUEL PUMP BRACKET

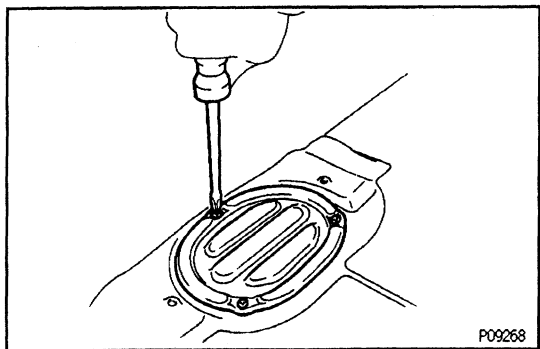
(a) Connect the return hose to the pump bracket.

(b) Connect the outlet pipe to the pump bracket with 2 new gaskets and the union bolt.

Torque: 29 N-m (300 kgf-cm, 22 ft-lbf)

3. CONNECT NEGATIVE TERMINAL CABLE TO BATTERY

4. CHECK FOR FUEL LEAKAGE



5. INSTALL FLOOR SERVICE HOLE COVER

Install the service hole cover with the 3 screws.

6. INSTALL SECOND SEATS

Torque: 39 N-m (400 kgf-cm, 29 ft-lbf)

7. INSTALL FLOOR MATS

8. INSTALL STEP PLATE

9. INSTALL SIDE GARNISH

10. INSTALL SCUFF PLATE