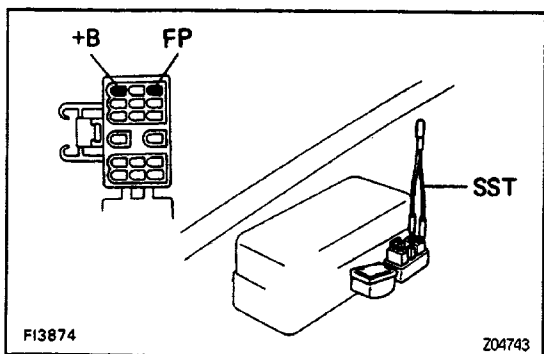
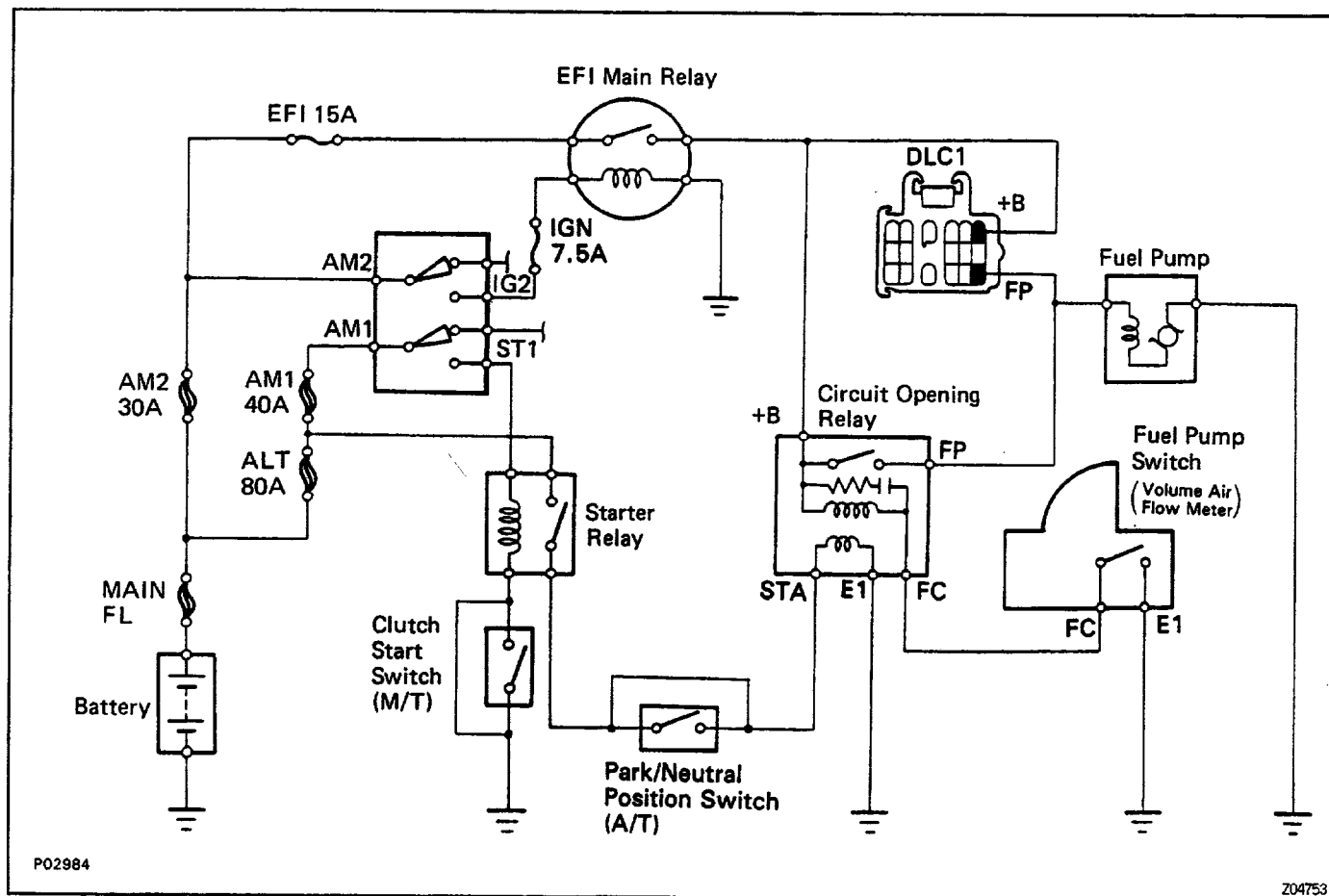


FUEL PUMP SYSTEM CIRCUIT

B01GM-02



ON-VEHICLE INSPECTION

1. CHECK FUEL PUMP OPERATION

(a) Turn the ignition switch ON.

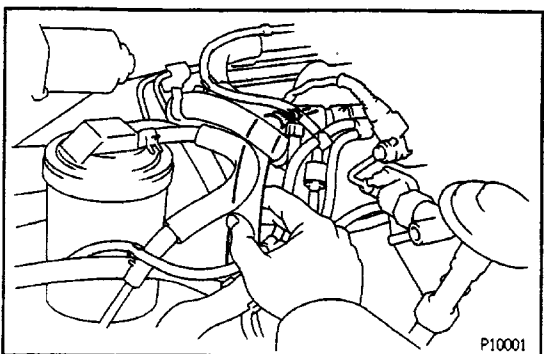
HINT: Do not start the engine.

(b) Using SST, connect terminals FP and +B of the DLC

1.

SST 09843-18020

HINT: The DLC1 is located near the No.2 relay block.



(d) Remove SST from the DLC1. ,

SST 09843-18020

(e) Turn the ignition switch OFF.

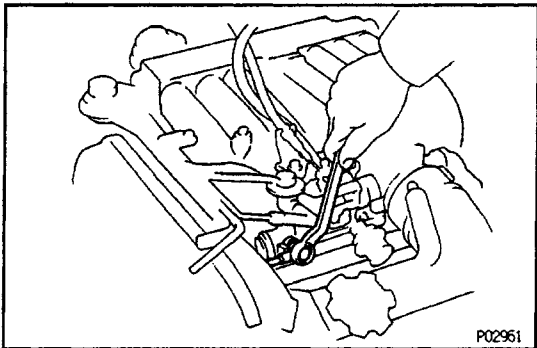
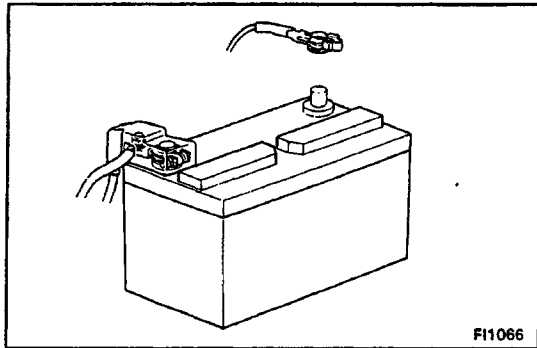
If there is no pressure, check the following parts:

- Fusible link
- Fuses (EFI 15A, IGN 7.5A)
- EFI main relay
- Circuit opening relay
- Fuel pump
- Wiring connections

2. CHECK FUEL PRESSURE

(a) Check that the battery voltage is above 12V.

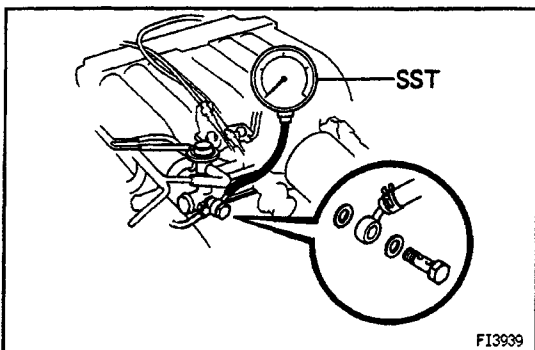
(b) Disconnect the negative terminal of the battery.



(c) Place a suitable container or shop towel under the LH delivery pipe.

(d) Slowly loosen the union bolt of the No.3 fuel pipe and remove the union bolt and two gaskets from the delivery pipe.

(e) Drain fuel in the LH delivery pipe.



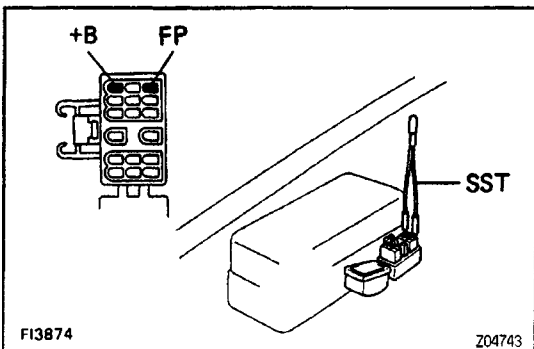
(f) Install the No.3 fuel pipe and SST (pressure gauge) to the LH delivery pipe with three new gaskets and SST (union bolt) as shown in the illustration.

SST 09268-45012

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

(g) Wipe off any splattered gasoline.

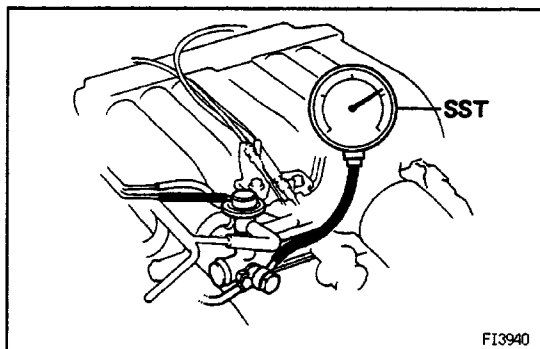
(h) Reconnect the battery negative terminal.



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

SST 09843-18020

(j) Turn the ignition switch ON.



(k) 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.

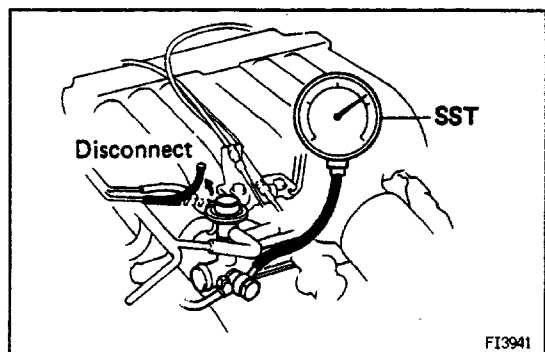
If pressure is low, check the following parts:

- Fuel hoses and connections
- Fuel pump
- Fuel filter
- Fuel pressure regulator

(l) Remove SST from the DLC 1.

SST 09843-18020

(m) Start the engine.

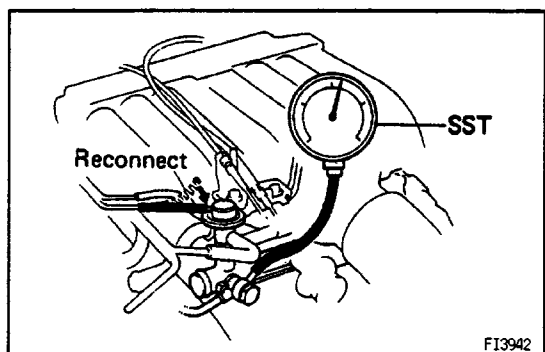


(n) Disconnect the vacuum hose from the fuel pressure regulator and plug it closed.

(o) Measure the fuel pressure at idling.

Fuel pressure:

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



(p) Reconnect the vacuum hose to the fuel pressure regulator.

(q) Measure the fuel pressure at idling.

Fuel pressure:

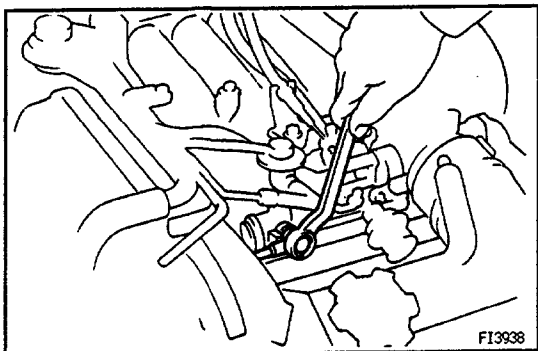
226 – 255 kPa (2.3 – 2.6 kgf/cm², 33 – 37 psi)

If not within the specified pressure, check the vacuum hose and fuel pressure regulator.

(r) Stop the engine. Check that the fuel pressure remains above 147 kPa (1.5 kgf/cm², 21 psi) for 5 minutes after the engine is turned off.

If not within specification, check the fuel pump, fuel pressure regulator and/or injectors.

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



FI3938

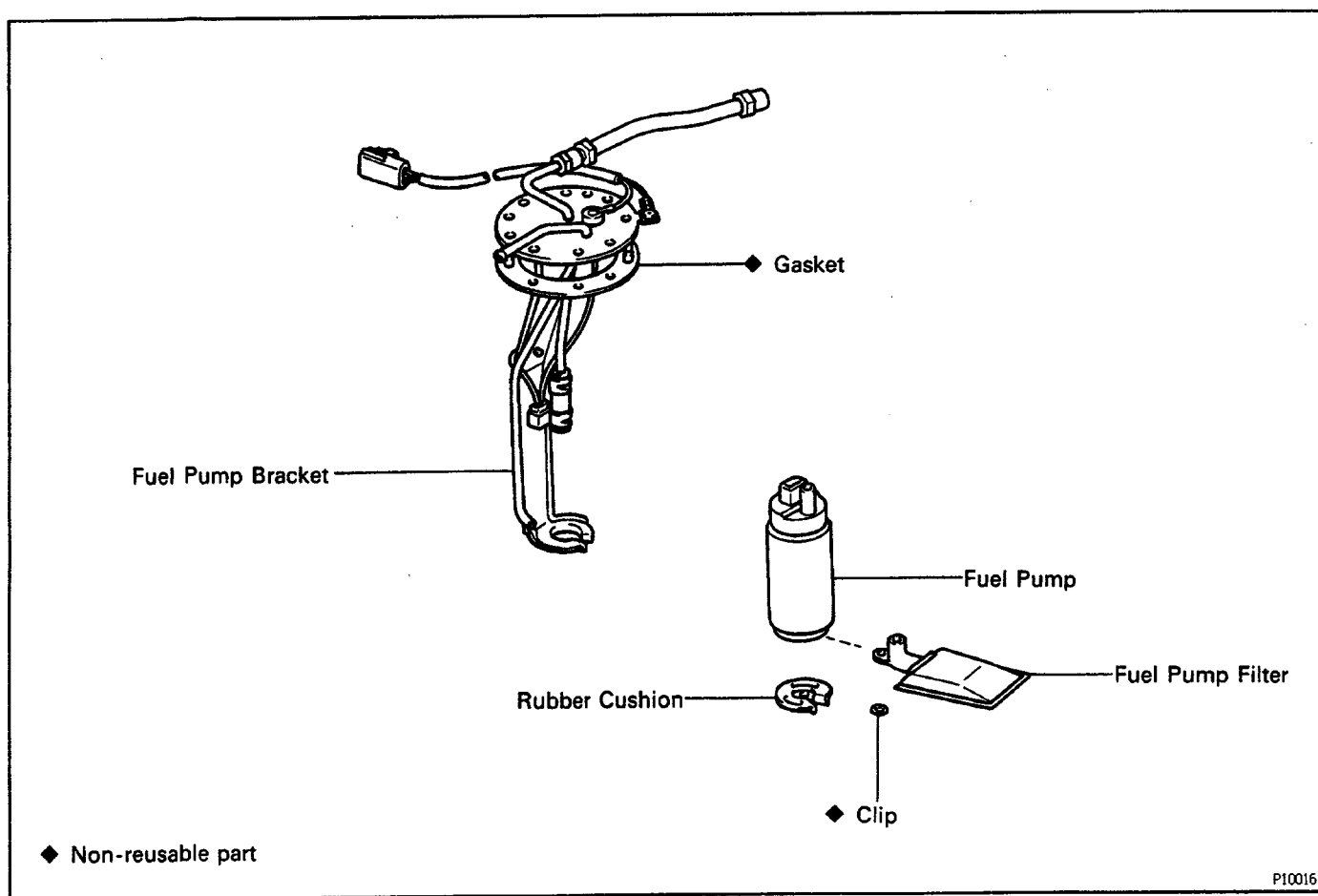
- (t) Using two new gaskets, reconnect the No.3 fuel pipe to the delivery pipe.

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

- (u) Reconnect the battery negative terminal.
 (v) Start the engine and check for fuel leakage.

COMPONENTS FOR REMOVAL AND INSTALLATION

EG1TF-01



P10016

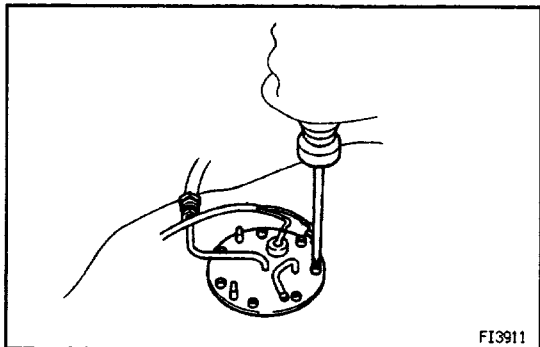
FUEL PUMP REMOVAL

EG10P-02

1. DRAIN FUEL FROM FUEL TANK

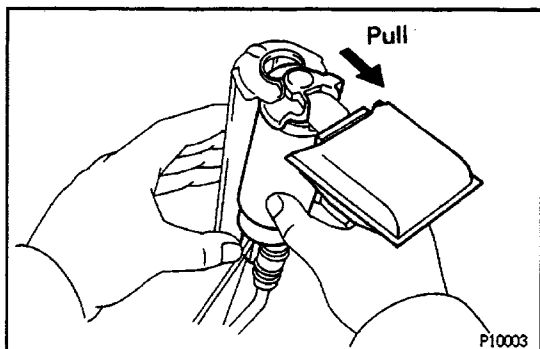
CAUTION: Do not smoke or work near an open flame when working on the fuel pump.

2. REMOVE FUEL TANK



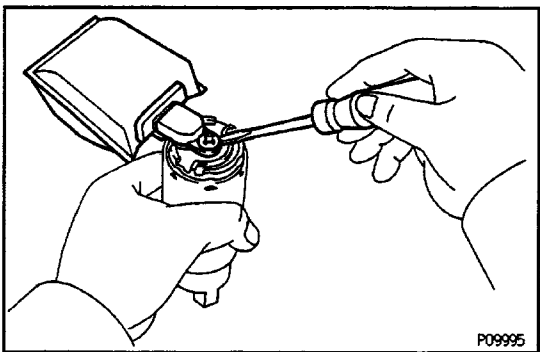
3. REMOVE FUEL PUMP BRACKET

- (a) Remove the seven bolts.
- (b) Pull out the fuel pump bracket.



4. REMOVE FUEL PUMP FROM FUEL PUMP BRACKET

- (a) Pull off the lower side of the fuel pump from the pump bracket.
- (b) Disconnect the fuel pump connector.
- (c) Disconnect the fuel hose from the fuel pump, and remove the fuel pump.
- (d) Remove the rubber cushion from the fuel pump.



5. REMOVE FUEL PUMP FILTER FROM FUEL PUMP

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

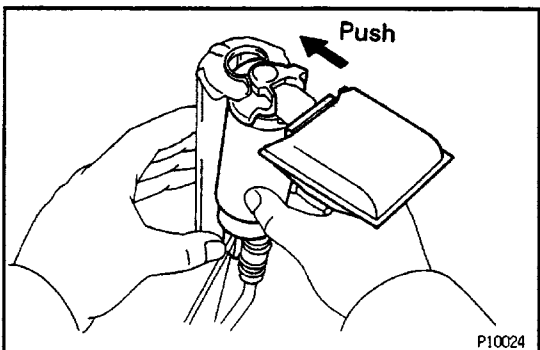
FUEL PUMP INSTALLATION

50170-02

(See Components for Removal and Installation)

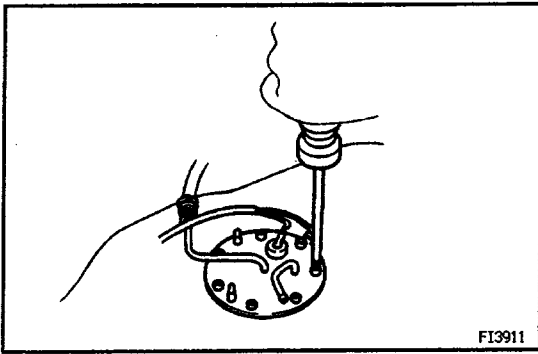
1. INSTALL FUEL PUMP FILTER TO FUEL PUMP

Install the pump filter with a new clip.



2. 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.



3. INSTALL FUEL PUMP BRACKET

- (a) Place the bracket with a new gasket on the fuel tank.
- (b) Install and tighten the seven bolts.

Torque: 3.9 N·m (40 kgf·cm, 34 in.-lbf)

4. INSTALL FUEL TANK

NOTICE:

- Tighten the pipe and flare nut type hose to the specified torque.
- Push in the pipe and insert-type hose to the specified position, and install the clip to the specified location.
- If reusing the hose, reinstall the clip at the original location.

5. REFILL WITH FUEL