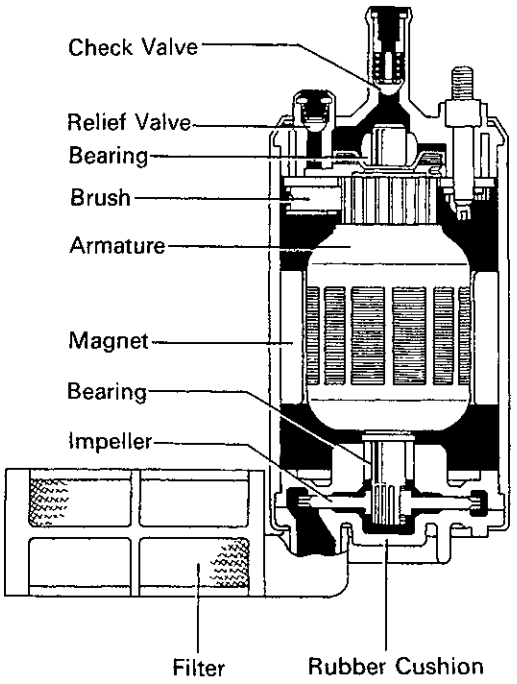
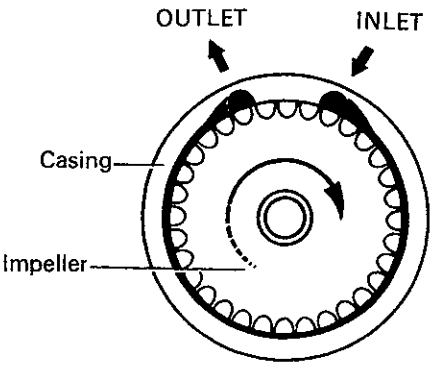
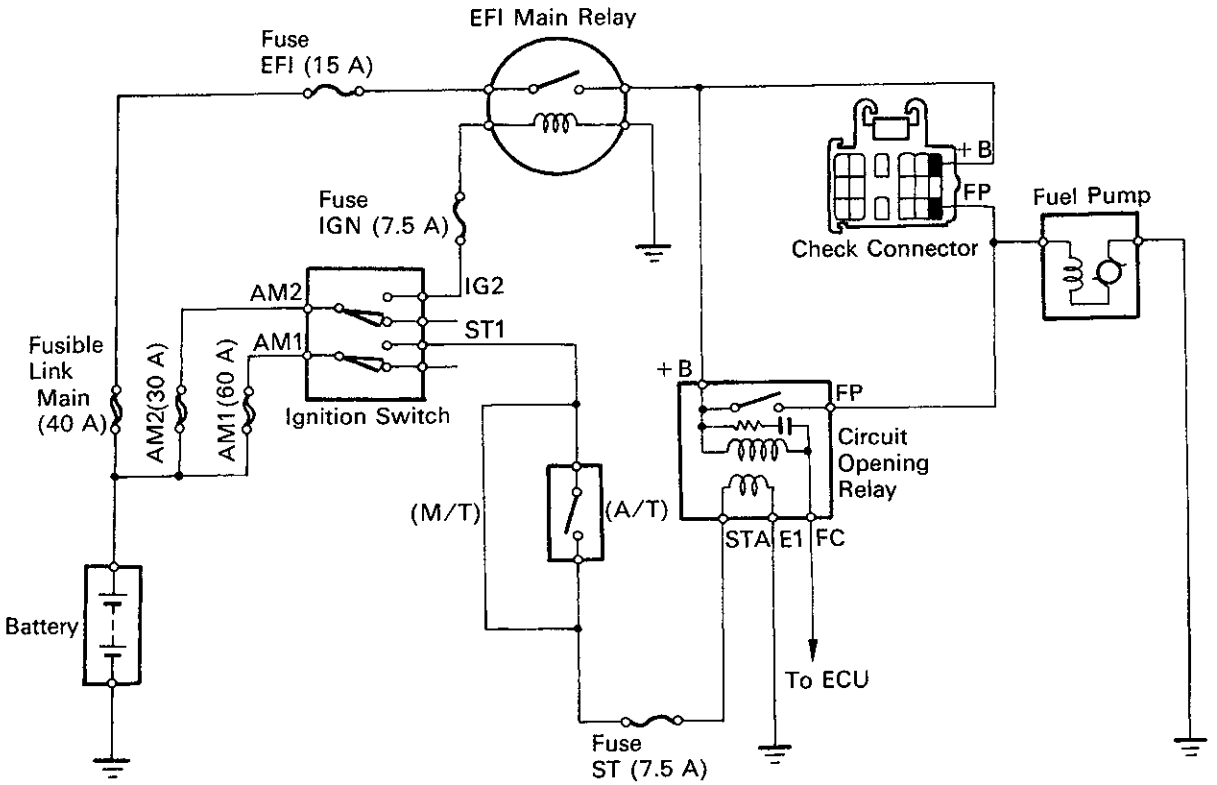
FUEL SYSTEM

Fuel Pump







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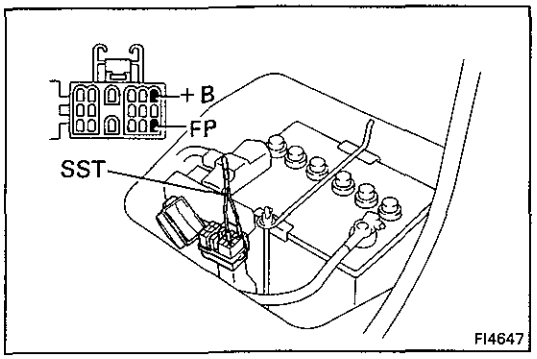
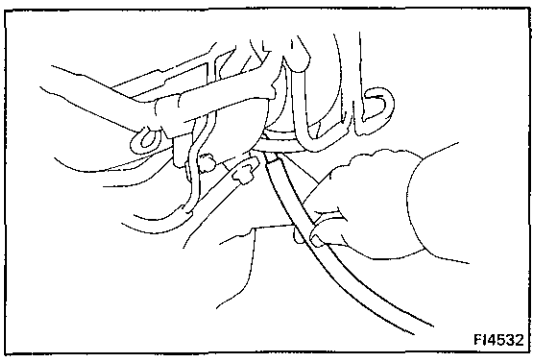




ON-VEHICLE INSPECTION

1. CHECK FUEL PUMP OPERATION

(a) Turn the ignition switch to ON.

HINT: Do not start the engine.

(b) Using SST. connect terminals FP and +B of the check connector.

SST 09843-18020

HINT: The check connector is located near the battery.

(c) Check that there is pressure in the fuel inlet hose.

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

(d) Remove SST from the check connector.

(e) Turn the ignition switch to OFF.

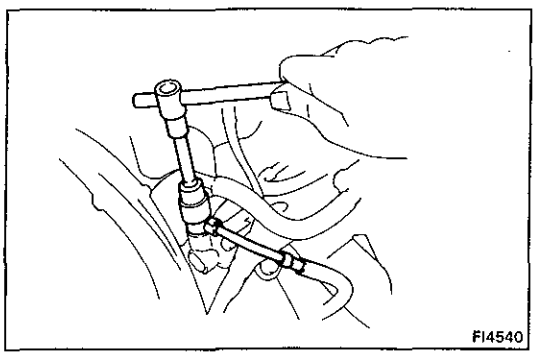
If there is no pressure, check the following parts.

- Fusible link
- Fuse
- EFI main relay
- Circuit opening relay
- Fuel pump
- Wiring connections

2. CHECK FUEL PRESSURE

(a) Check that battery voltage is above 12 volts.

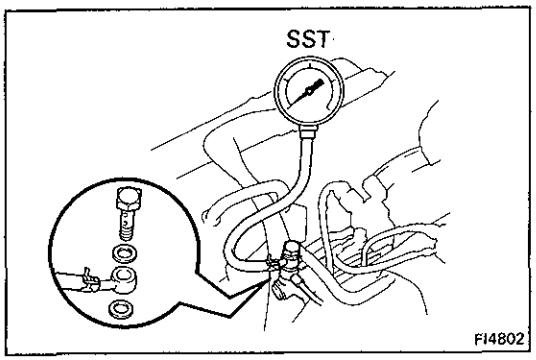
(b) Disconnect the battery negative terminal.



(c) Place a suitable container or shop towel under cold start injector tube.

(d) Slowly loosen the union bolt of the cold start injector tube, and remove the union bolt and two gaskets from the delivery pipe.

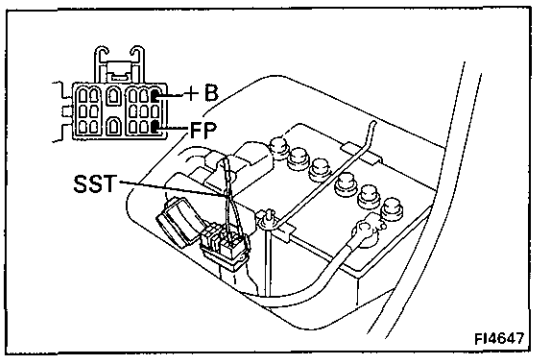
(e) Drain the fuel from the delivery pipe.



(f) Install SST(pressure gauge) to the delivery pipe with two new gaskets as shown in the figure.

SST 09268-45012

(g) Wipe off any splattered gasoline.



(h) Reconnect the battery negative terminal.

(i) Using SST, connect terminals FP and +B of the check connector.

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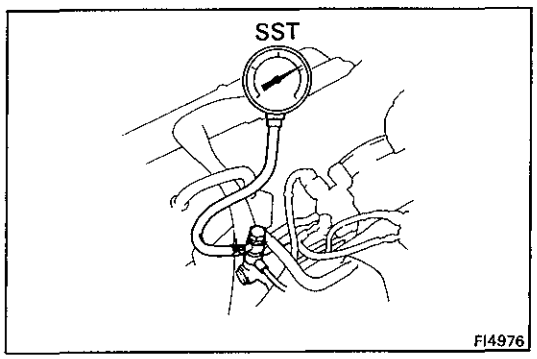


(j) Turn the ignition switch to ON.

(k) Measure the fuel pressure.

Fuel pressure: 2.7 – 3.1 kg/cm² (38 – 44 psi, 265 – 304 kPa)

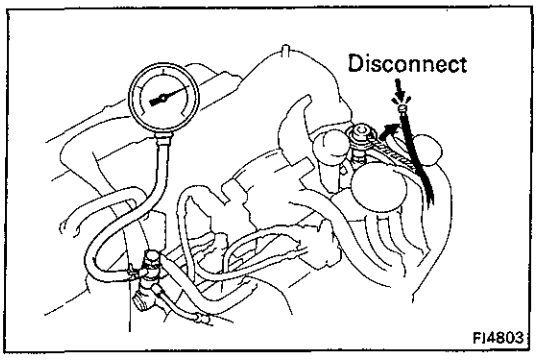
If high, replace the pressure regulator.

If low, check the following parts.

- Fuel hoses and connection
- Fuel pump
- Fuel filter
- Pressure regulator

(l) Remove SST from the check connector.

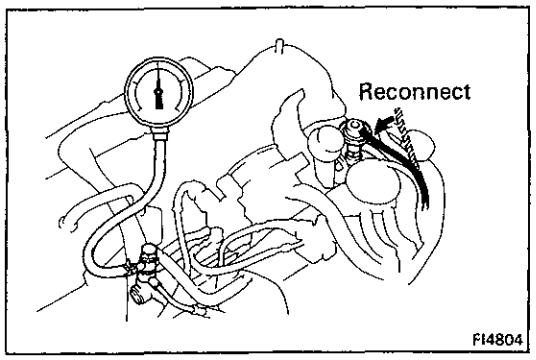
(m) Start the engine.



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

(o) Measure the fuel pressure at idling.

Fuel pressure: 2.7 – 3.1 kg/cm² (38 – 44 psi, 265 – 304 kPa)



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

(q) Measure the fuel pressure at idling.

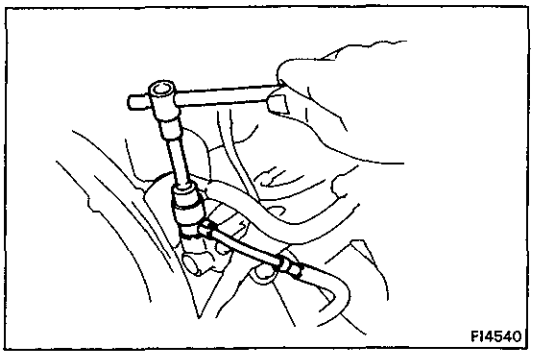
Fuel pressure: 2.3 – 2.6 kg/cm² (33 – 37 psi, 226 – 265 kPa)

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

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

If not within specification, check the fuel pump, 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.

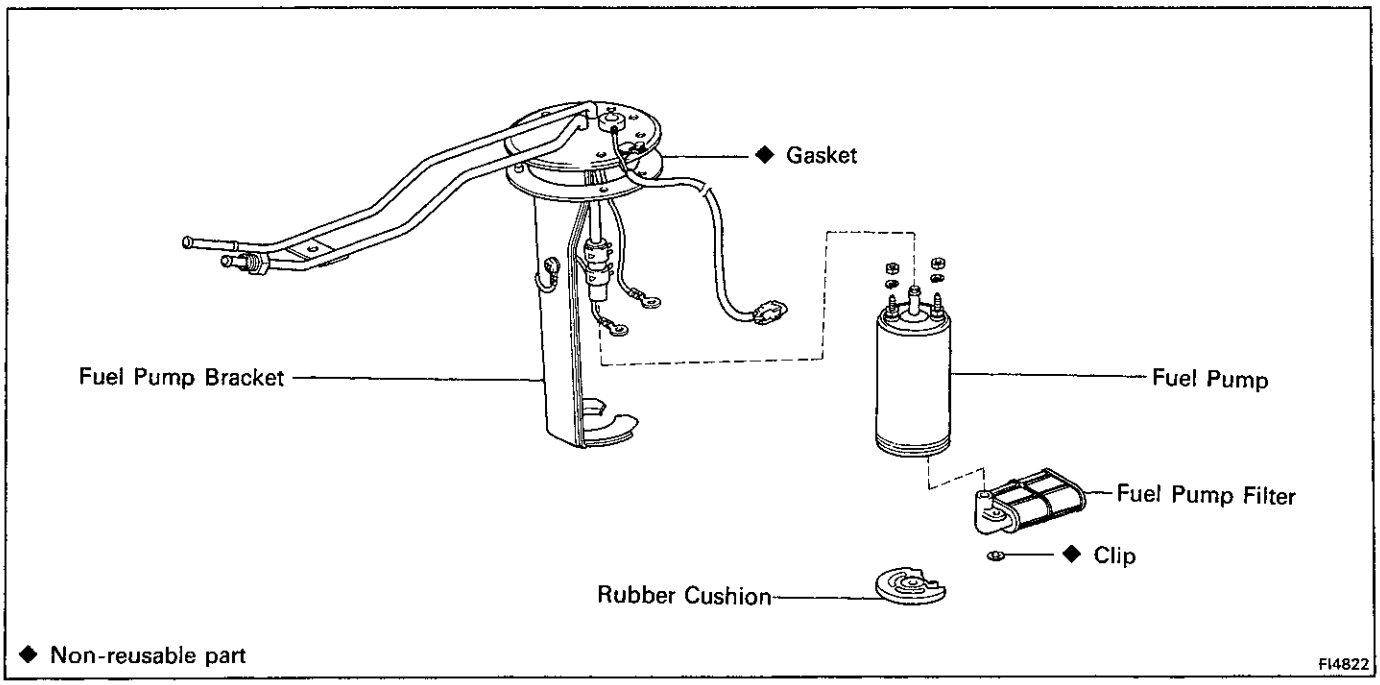


(t) Using new gaskets, reconnect the cold start injector tube to the delivery pipe.

(u) Connect the wiring connector to the cold start injector.

(v) Start the engine and check for fuel leakage.

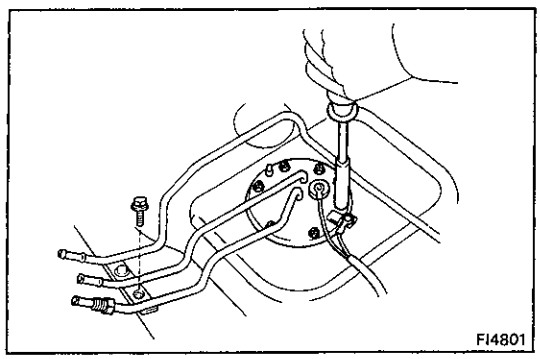
REMOVAL OF FUEL PUMP



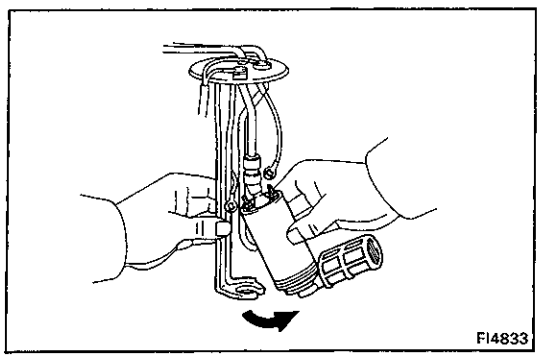
CAUTION: Do not smoke or work near an open flame when working the fuel pump.

1. **DRAIN GASOLINE FROM FUEL TANK**

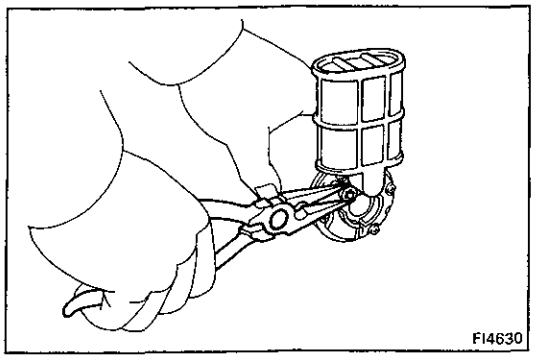
2. **REMOVE FUEL TANK**



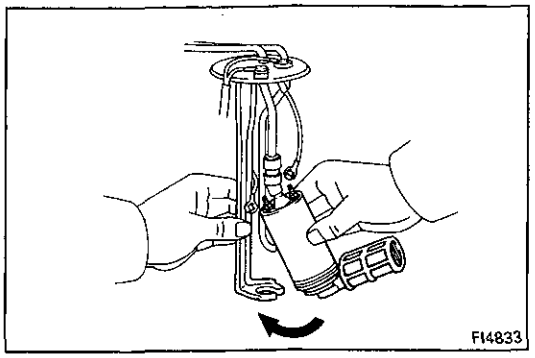
3. **REMOVE FUEL PUMP BRACKET FROM FUEL TANK**
   (a) Remove the six screws and bolt.
   (b) Pull out the fuel pump bracket.

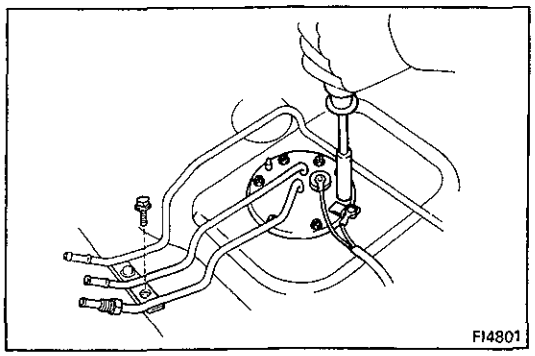


4. **REMOVE FUEL PUMP FROM FUEL PUMP BRACKET**
   (a) Remove the two nuts and disconnect the wires from the fuel pump.
   (b) Pull off the lower side of the fuel pump from the bracket.
   (c) Remove the fuel pump from the fuel hose.



5. REMOVE FUEL PUMP FILTER FROM FUEL PUMP
   (a) Remove the rubber cushion.
   (b) Remove the clip and pull out the filter.





INSTALLATION OF FUEL PUMP

(See page FI-46)

1. INSTALL FUEL PUMP FILTER TO FUEL PUMP
2. INSTALL FUEL PUMP TO FUEL PUMP BRACKET
   (a) Insert the outlet port of the fuel pump into the fuel hose.
   (b) Install the rubber cushion to the lower side of the fuel pump.
   (c) Push the lower side of the fuel pump, together with the rubber cushion, into the fuel pump bracket.
3. INSTALL FUEL PUMP BRACKET
   (a) Place the bracket with a new gasket on the fuel tank.
   (b) Install and torque the six screws and bolt.

   Torque: Screw 40 kg-cm (35 in.-lb, 3.9 N·m)
   Bolt 55 kg-cm (48 in.-lb, 5.4 N·m)
4. INSTALL FUEL TANK
5. REFILL WITH GASOLINE