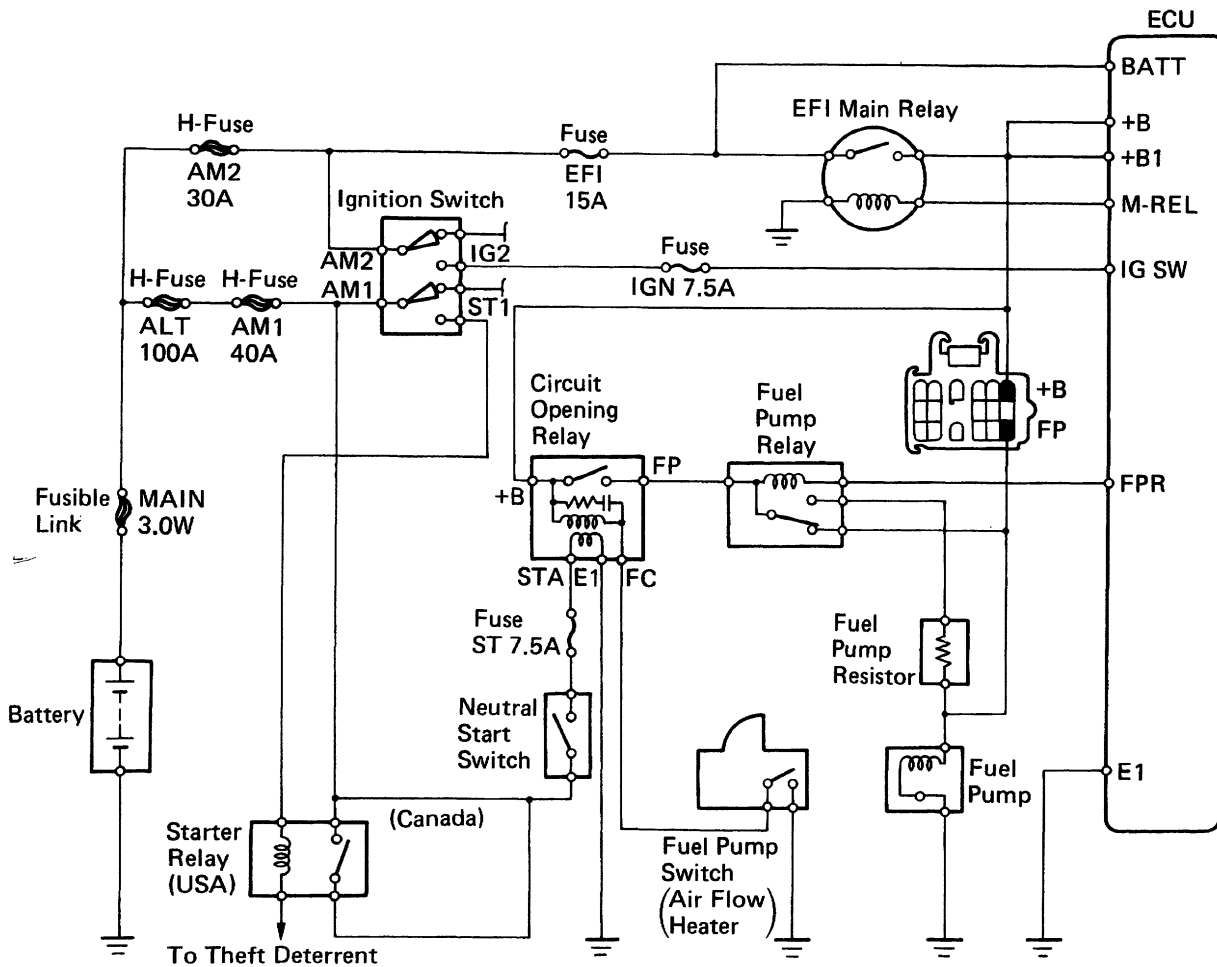
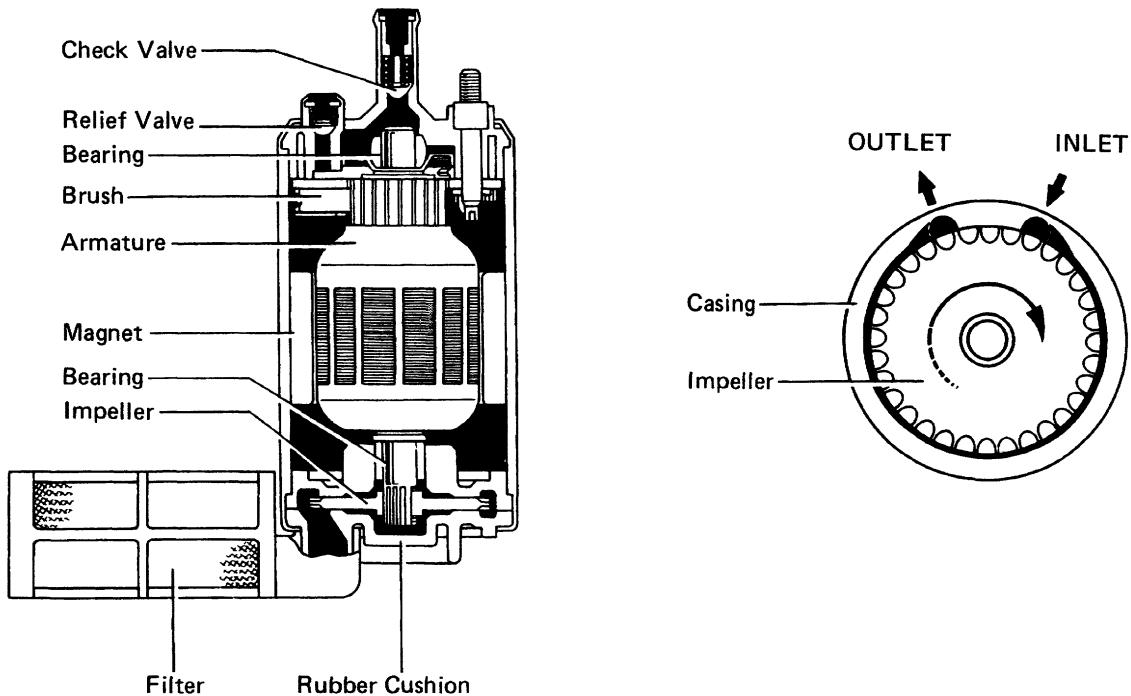
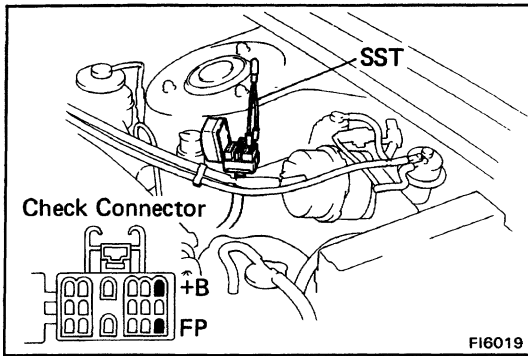


# FUEL SYSTEM

## Fuel Pump





## ON-VEHICLE INSPECTION

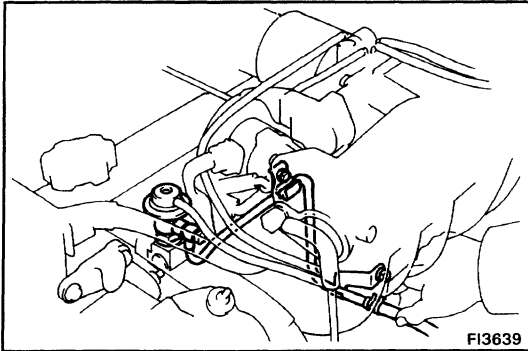
### 1. CHECK FUEL PUMP OPERATION

(a) Turn the ignition switch ON.

HINT: Do not start the engine.

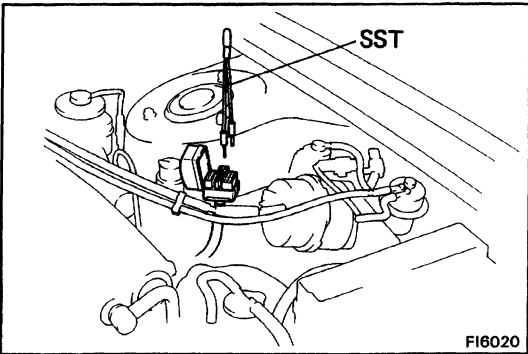
(b) Using SST, connect terminals +B and FP of the check connector.

SST 09843-18020



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

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



(d) Remove the SST.

SST 09843-18020

(e) Turn the ignition switch OFF.

If there is no pressure, check the following parts:

- Fusible links
- Fuses (EFI 20A, IG N 7.5A)
- EFI main relay
- Fuel pump
- ECU
- Wiring connections

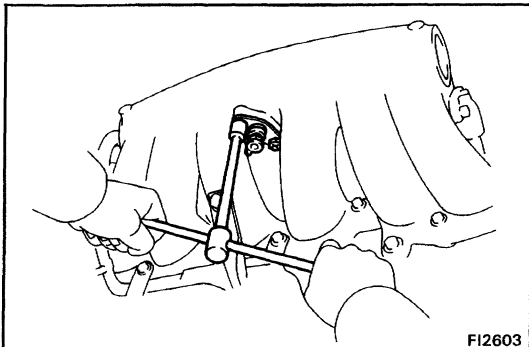
### 2. INSPECT FUEL PRESSURE

(a) Check that the battery voltage is above 11 V.

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

(c) Remove the cold start injector tube.

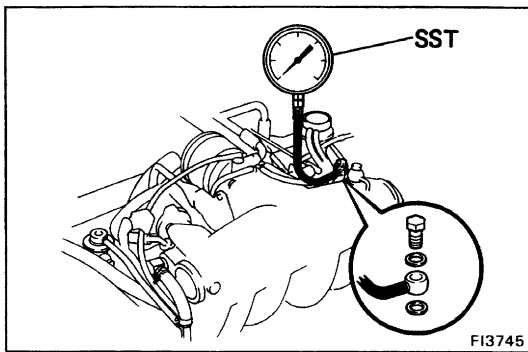
(See page [FI-54](#))



(d) Remove the cold start injector. (See page [FI-54](#))

(e) Install the gasket and cold start injector with the bolts without connecting the cold start injector connector.

**Torque: 55 kg-cm (48 in.-lb, 5.4 N-m)**

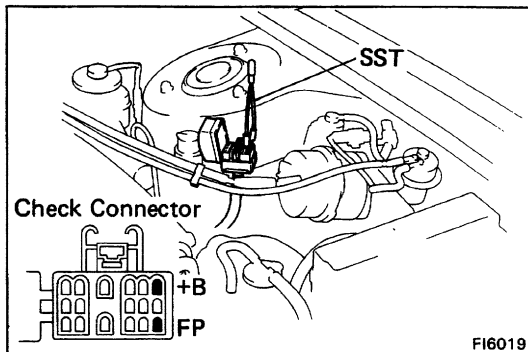


- (f) Install SST (pressure gauge) to the delivery pipe with two new gaskets and union bolt.

SST 09268-45012

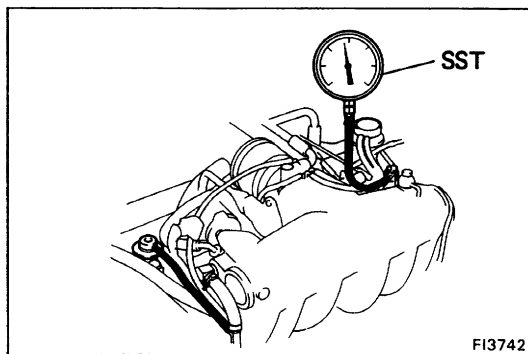
**Torque: 320 kg-cm (23 ft-lb, 31 N-m)**

- (g) Wipe off any splattered gasoline.  
 (h) Reconnect the battery negative (-) cable.



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

SST 09843-18020



- (j) Turn the ignition switch ON.

- (k) Measure the fuel pressure.

**Fuel pressure: 2.7 – 3.1 kg/cm<sup>2</sup>**

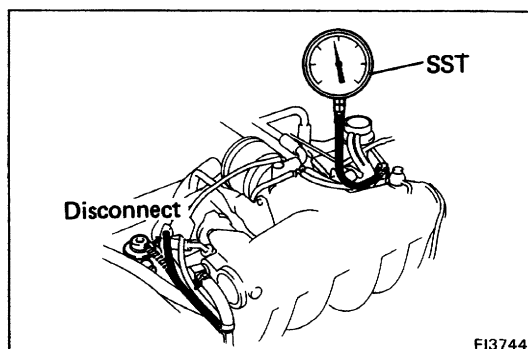
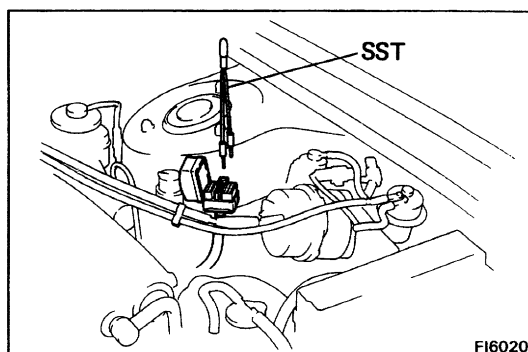
**(38 – 44 psi, 265 – 304 kPa)**

If pressure is high, replace the fuel pressure regulator.

If pressure is low, check the following parts:

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

- (l) Remove the SST.



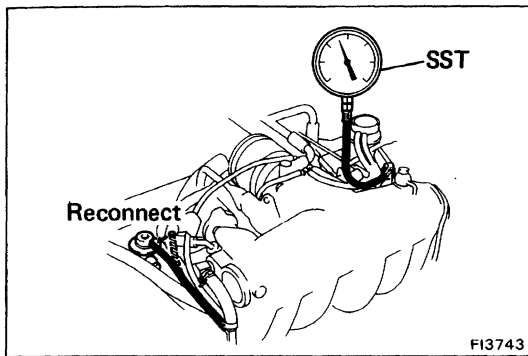
- (m) Start the engine.

- (n) Disconnect the vacuum sensing hose from the fuel pressure regulator.

- (o) Measure the fuel pressure at idling.

**Fuel pressure: 2.7 – 3.1 kg/cm<sup>2</sup>**

**(38 – 44 psi, 265 – 304 kPa)**



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

(q) Measure the fuel pressure at idling.

**Fuel pressure: 2.3 – 2.6 kg/cm<sup>2</sup>**

**(33 – 37 psi, 226 – 265 kPa)**

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

(r) Stop the engine. Check that the fuel pressure remains 1.5 kg/cm<sup>2</sup> (21 psi, 147 kPa) or more for 5 minutes after the engine is turned off.

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

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

SST 09268-45012

(t) Remove the cold start injector. (See page [FI-54](#))

(u) Install the cold start injector.

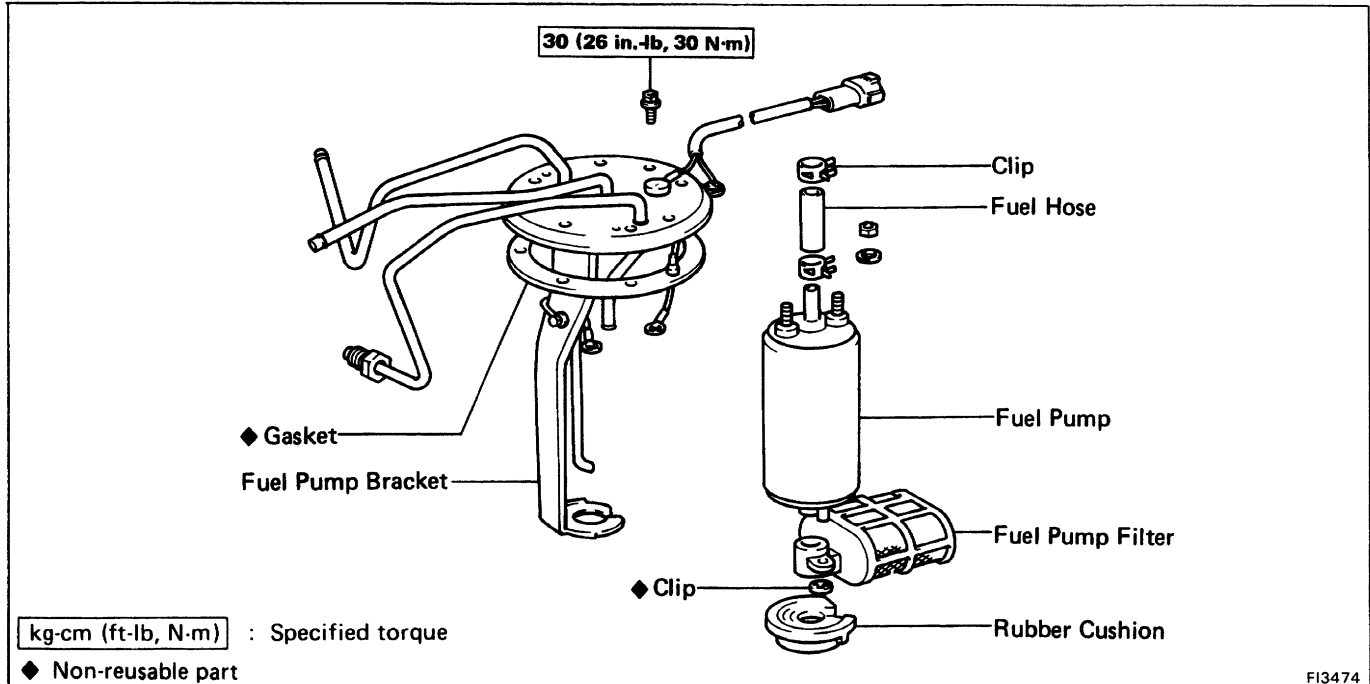
(See page [FI-56](#))

(v) Install the cold start injector tube. (See page [FI-56](#))

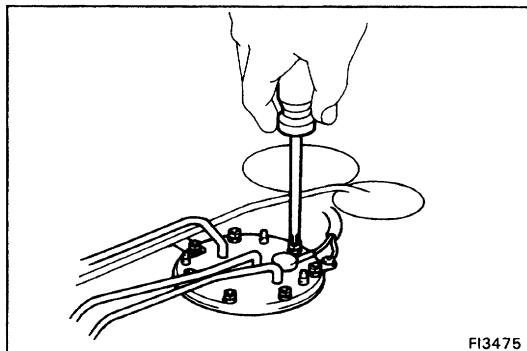
(w) Reconnect the cable to the negative (-) terminal of the battery.

(x) Check for fuel leakage.

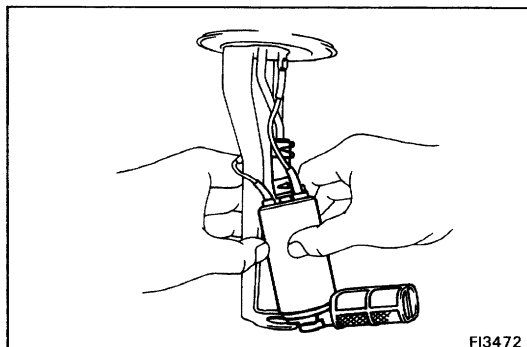
## REMOVAL OF FUEL PUMP



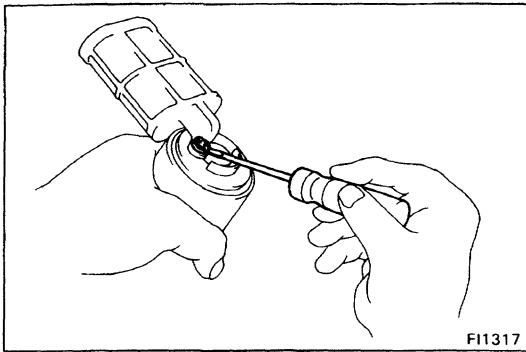
1. DISCONNECT CABLE FROM NEGATIVE TERMINAL OF BATTERY
2. DRAIN FUEL FROM FUEL TANK  
NOTICE: Do not smoke or work near an open flame when working on the fuel pump.
3. REMOVE FUEL TANK



4. REMOVE FUEL PUMP BRACKET FROM FUEL TANK
  - (a) Remove the bolt of the bracket.
  - (b) Remove the screws, and pull out the pump bracket.



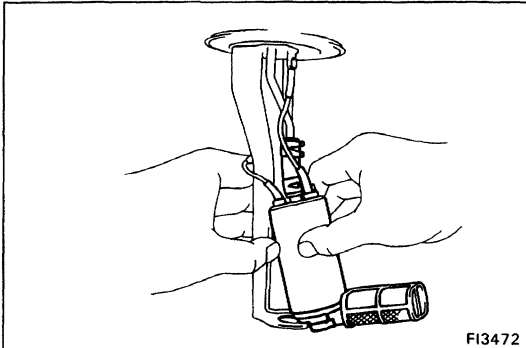
5. REMOVE FUEL PUMP FROM FUEL PUMP BRACKET
  - (a) Pull off the lower side of the fuel pump from the bracket.
  - (b) Remove the two nuts, and disconnect the wires from the fuel pump.
  - (c) Disconnect the fuel hose from the fuel pump.



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## 6. REMOVE FUEL PUMP FILTER FROM FUEL PUMP

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



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## INSTALLATION OF FUEL PUMP

(See page [FI-52](#))

### 1. INSTALL FUEL PUMP FILTER TO FUEL PUMP

- (a) Install the pump filter with a new clip.
- (b) Install the rubber cushion.

### 2. INSTALL FUEL PUMP TO FUEL PUMP BRACKET

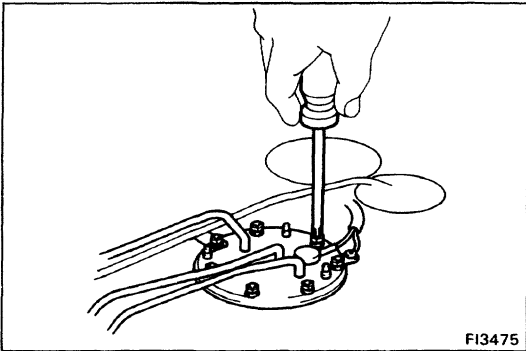
- (a) Connect the fuel hose to the outlet port of the fuel pump.
- (b) Connect the wires to the fuel pump with the two nuts.
- (c) Push the lower side of the fuel pump, and install the fuel pump.

### 3. INSTALL FUEL PUMP BRACKET TO FUEL TANK

- (a) Install a new gasket and the pump bracket with the screws.

**Torque: 30 kg-cm (26 in.-lb, 2.9 N-m)**

- (b) Install the bolt of the bracket.



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### 4. INSTALL FUEL TANK

When installing the fuel tank, refer to FI-S5 for the installation position of the cushion and the tightening torque.

### 5. REFILL FUEL

### 6. CONNECT CABLE TO NEGATIVE TERMINAL OF BATTERY ,