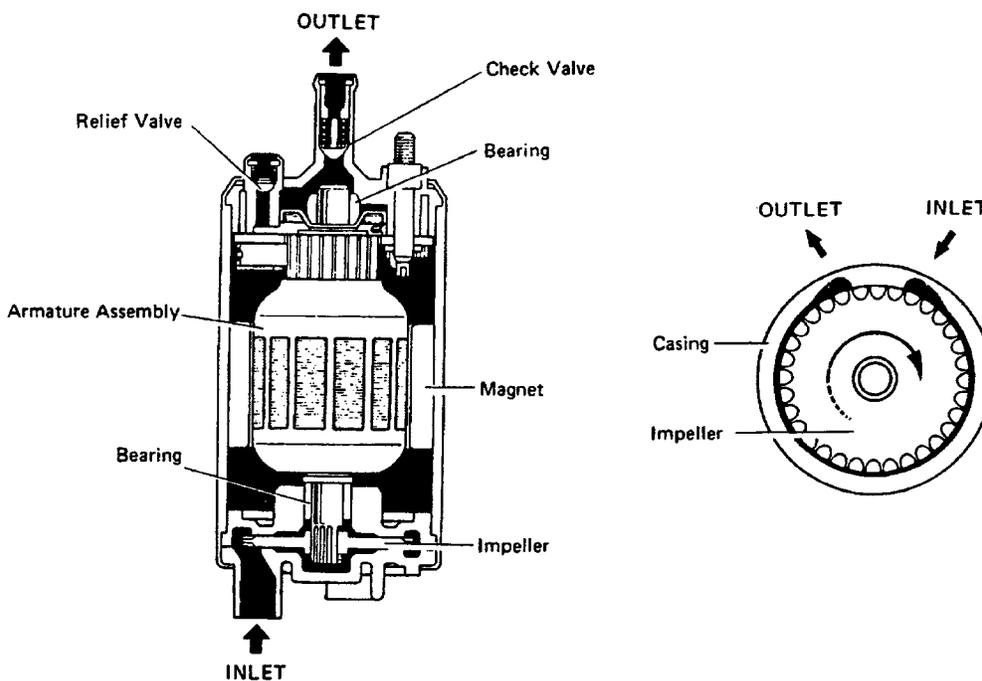


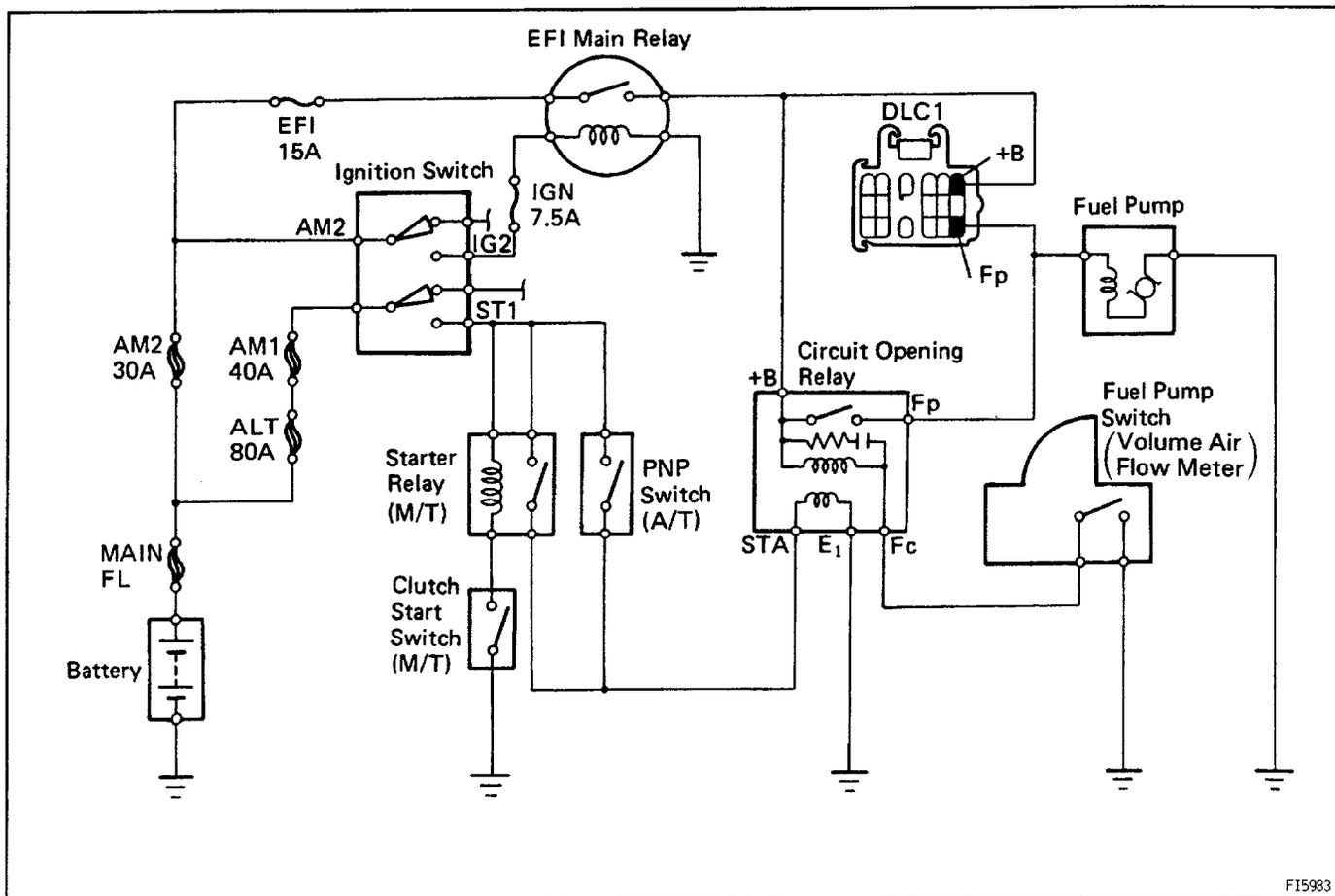
# FUEL PUMP

EG1XL-01

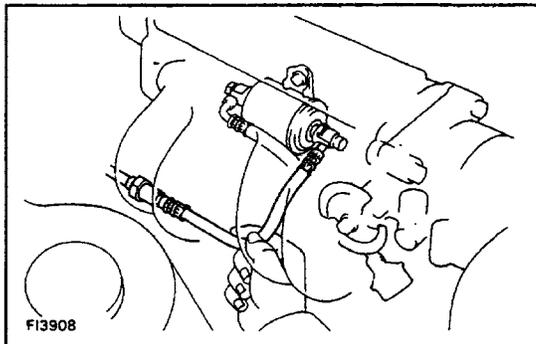
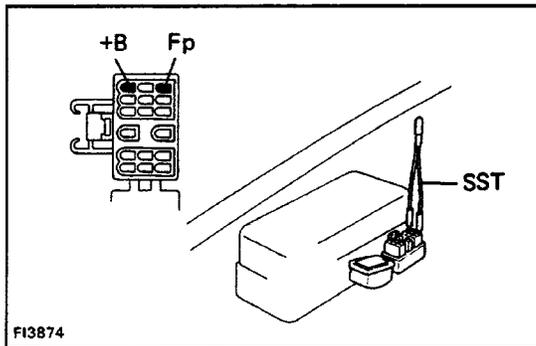


FI0530 FI1479

PO9144



FI5983



## 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 DLC1.

SST 09843-18020

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

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

HINT: At this time, you will hear fuel return noise from the pressure regulator.

(d) Remove SST from the DLC1.

(e) Turn the ignition switch OFF.

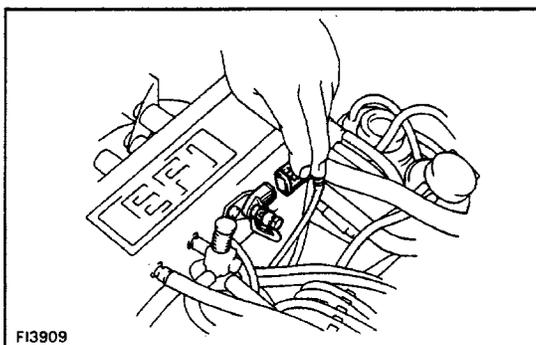
If there is no pressure, check the following parts:

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

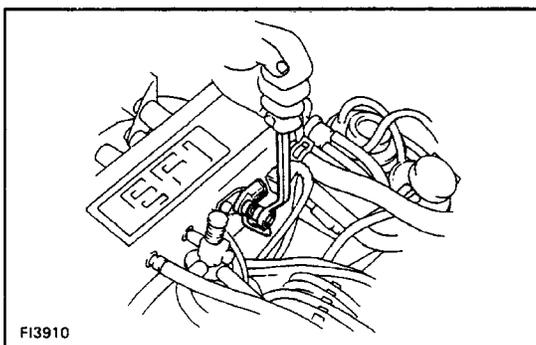
### 2. CHECK FUEL PRESSURE

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

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



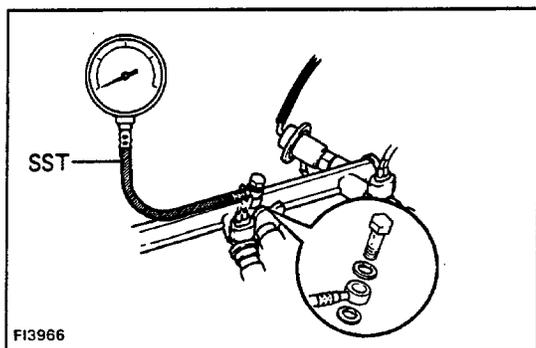
(c) Disconnect the wiring connector from the cold start injector.



(d) Put a suitable container or shop towel under the cold start injector pipe.

(e) Slowly loosen the union bolts of the cold start injector pipe and remove the bolts, cold start injector pipe and four gaskets. ,

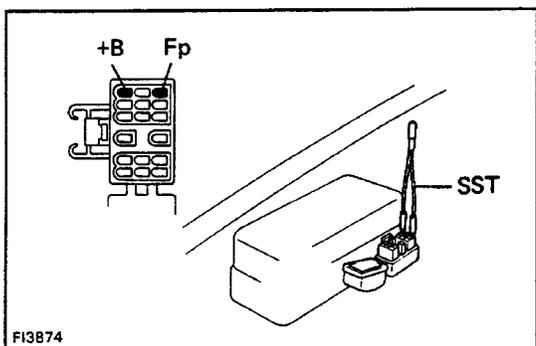
(f) Drain the fuel from the delivery pipe.



(g) Install a gasket, SST, another gasket and union bolt to the delivery pipe as shown in the illustration.

SST 09268-45012

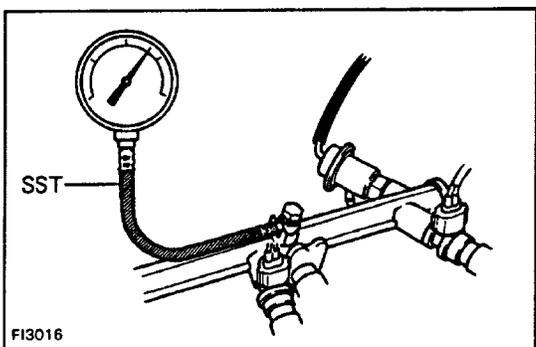
(h) Wipe off any splattered gasoline.



(i) Reconnect the battery negative terminal.

(j) Using SST, connect terminals Fp and +B of the DLC1.

SST 09843-18020



(k) Turn the ignition switch ON.

(l) Measure the fuel pressure.

**Fuel pressure: 265-304 kPa**

**(2.7-3.1 kgf/cm<sup>2</sup>, 38-44 psi)**

If high, replace the pressure regulator.

If low, check the following parts:

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

(m) Remove SST from the DLC1.

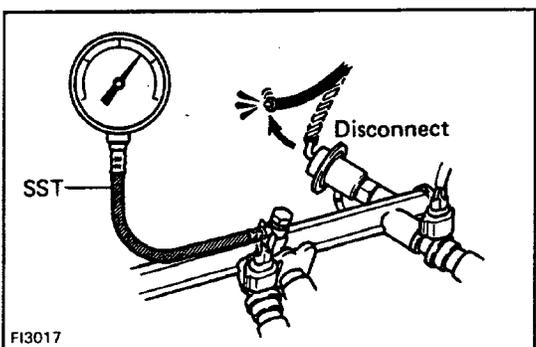
(n) Start the engine.

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

(p) Measure the fuel pressure at idling.

**Fuel pressure: 265-304 kPa**

**(2.7-3.1 kg f/cm<sup>2</sup>, 38-44 psi)**



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

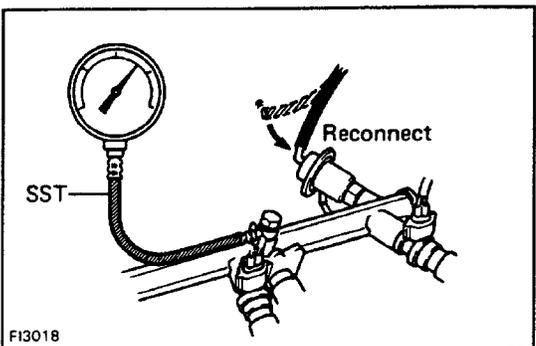
(r) Measure the fuel pressure at idling.

**Fuel pressure: 226-265 kPa**

**(2.3-2.6 kgf/cm<sup>2</sup>, 33-37 psi)**

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

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



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

(t) After checking fuel pressure, disconnect the battery ground strap and carefully remove the SST to prevent gasoline from splashing.

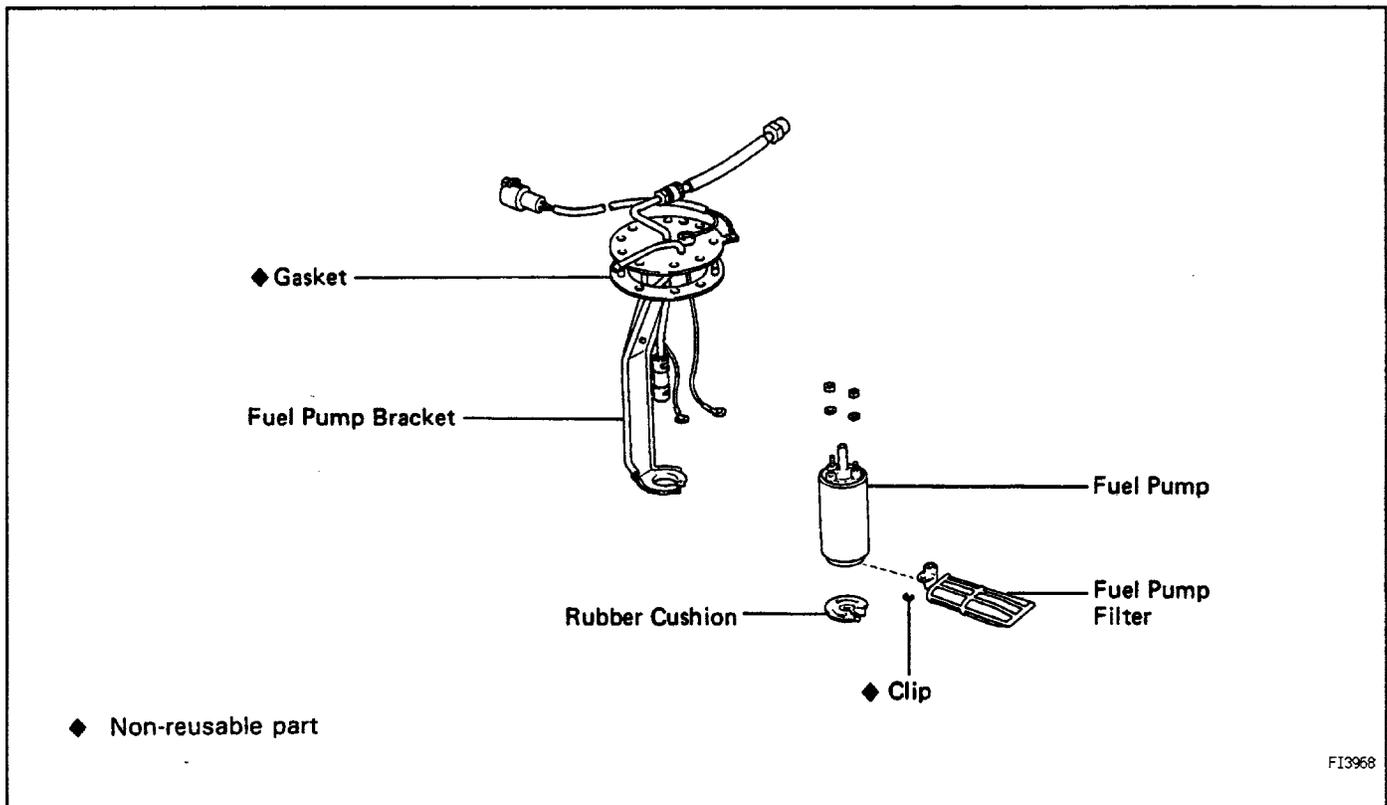
(u) Using new gaskets, reconnect the cold start injector pipe to the delivery pipe and cold start injector.

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

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

## FUEL PUMP REMOVAL

EG1XN-01



### 1. DRAIN FUEL FROM FUEL TANK

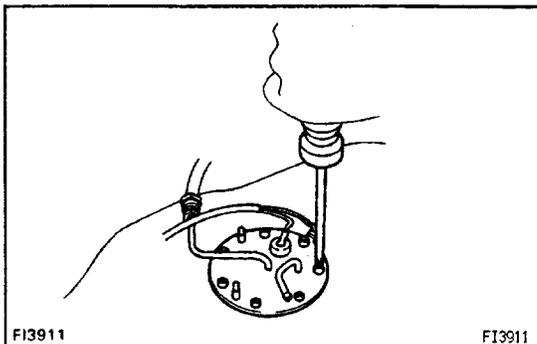
**CAUTION:** Do not smoke or work near an open flame when working on the fuel pump.

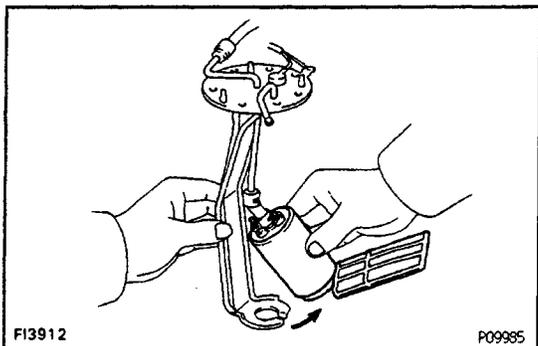
### 2. REMOVE FUEL TANK

### 3. REMOVE FUEL PUMP BRACKET

(a) Remove the seven bolts.

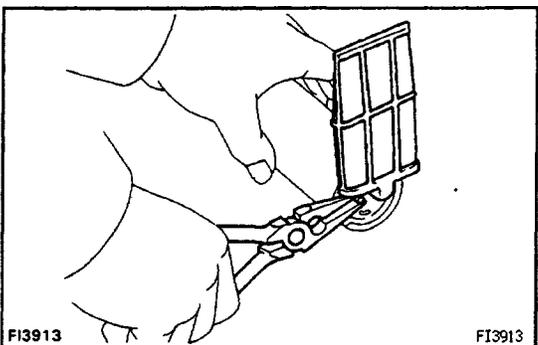
(b) Pull out the fuel pump bracket.





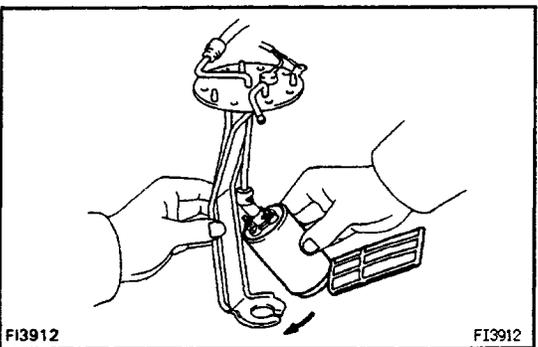
#### 4. REMOVE FUEL PUMP

- (a) Remove the two nuts and disconnect the wires from the fuel pump.
- (b) Pull off the fuel pump from the lower side of the bracket.
- (c) Remove the fuel pump from the fuel hose.



#### 5. REMOVE FUEL PUMP FILTER

- (a) Remove the rubber cushion.
- (b) Remove the clip and pull out the filter.



## FUEL PUMP INSTALLATION

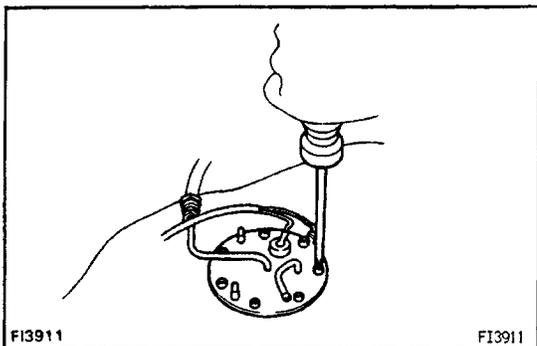
EG1XP-01

(See page [EG1-180](#))

#### 1. INSTALL FUEL PUMP FILTER

#### 2. INSTALL FUEL PUMP

- (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 pump, together with the rubber cushion, into the pump bracket.



#### 3. INSTALL FUEL PUMP BRACKET

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

**Torque: 3.8 N-m (40 kgf-cm, 34 in.-lbf)**

#### 4. INSTALL FUEL TANK

##### NOTICE:

- Tighten the fuel tank mounting bolts, etc. to the specified torque.

- 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