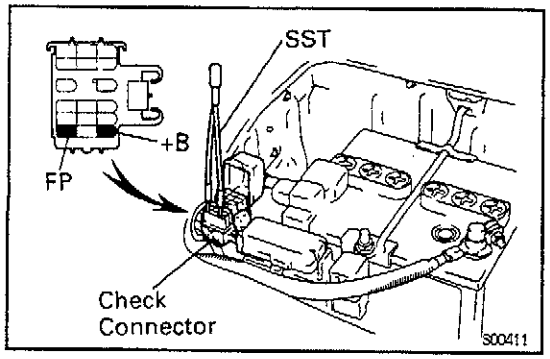


FUEL PUMP

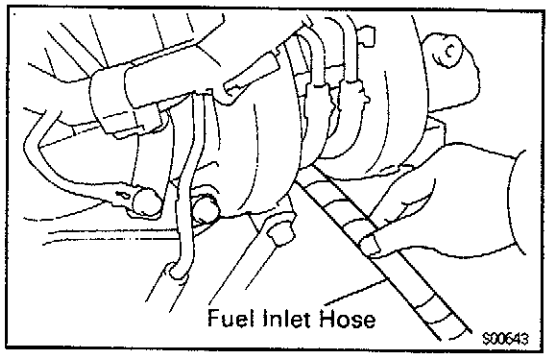
ON–VEHICLE INSPECTION

EG0N2–01

1. CHECK FUEL PUMP OPERATION

(a) Using SST, connect terminals +B and FP of the check connector.
SST 09843–18020

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



(c) Check that there is pressure in the fuel inlet hose from the fuel filter.
HINT: If there is fuel pressure, you will hear the sound of fuel flowing.
If there is no pressure, check the following parts:
- H–fuse
- Fuses
- EFI main relay
- Fuel pump
- Wiring connections

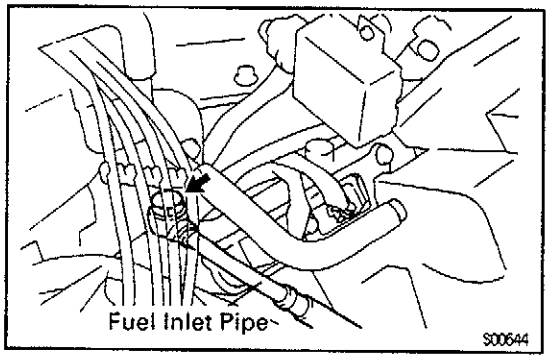
(d) Turn the ignition switch OFF.

(e) Remove the SST from the check connector.
SST 09843–18020

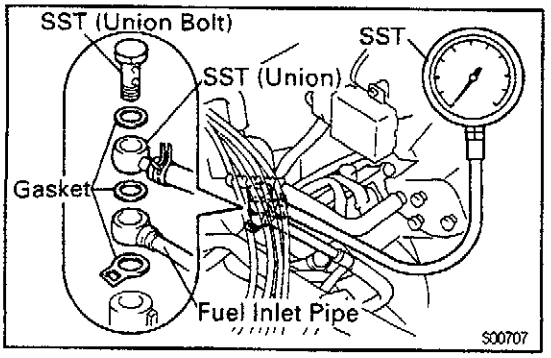
2. CHECK FUEL PRESSURE

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

(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.
CAUTION:
- **Put a suitable container or shop rag under the delivery pipe.**
- **Slowly loosen the union bolt.**

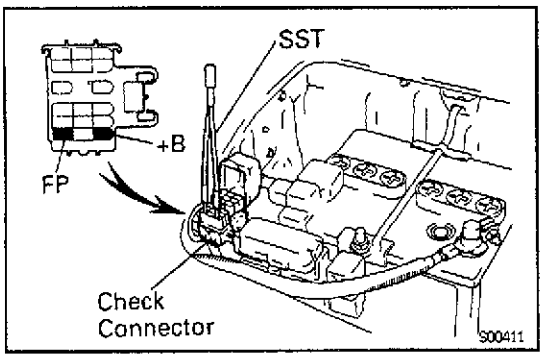


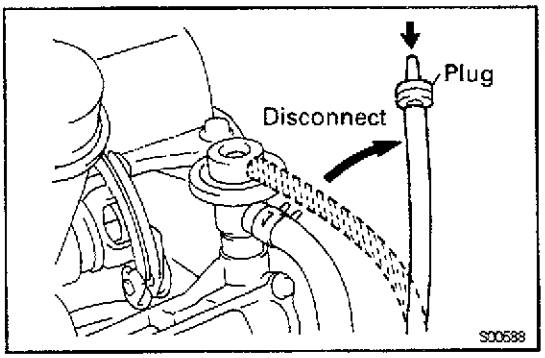
(d) Install the fuel inlet pipe and SST (pressure gauge) to the delivery pipe with the 3 gaskets and SST (union and union bolt).
SST 09268–45012 (09268–41190, 90405–06167)
Torque: 29.5 N·m (300 kgf·cm, 22 ft·lbf)

(e) Wipe off any splattered gasoline.

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(f) Using SST, connect terminals +B and FP of the check connector.
SST 09843–18020

(g) Reconnect the negative (–) terminal cable to the battery.

(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

(j) Remove the SST from the check connector.
SST 09483–18020

(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 kgf/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.

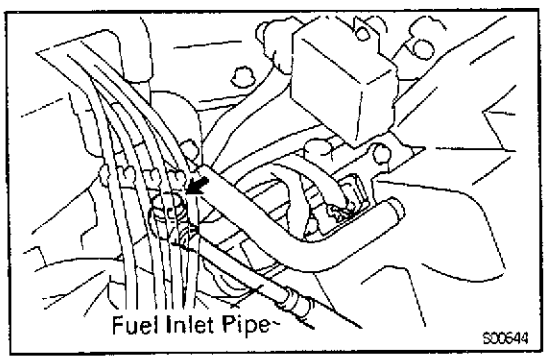
(q) Check that the fuel pressure remains as specified for 5 minutes after the engine has stopped.
Fuel pressure:
147 kPa (1.5 kgf/cm², 21 psi) or more
If pressure is not as specified, check the fuel pump, pressure regulator and/or injector.

(r) After checking fuel pressure, disconnect the battery negative (–) cable from the battery and carefully remove the SST to prevent gasoline from splashing.
SST 09268–45012

(s) Reconnect the fuel inlet hose to the delivery pipe with 2 new gaskets and the union bolt.
Torque: 29.5 N·m (300 kgf·cm, 22 ft·lbf)

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

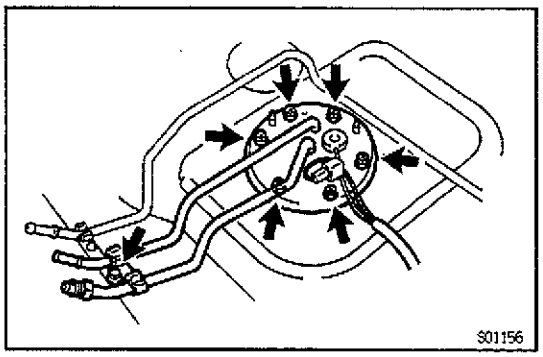
(u) Check for fuel leaks.
(See step 5 in fuel system in precaution)



FUEL PUMP AND BRACKET ASSEMBLY REMOVAL

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

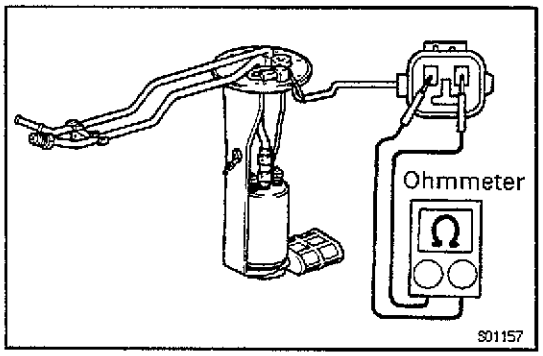
1. **REMOVE FUEL TANK FROM VEHICLE**
(See fuel tank and line in Body in Pub. No. RM156E)



2. **REMOVE FUEL PUMP AND BRACKET ASSEMBLY FROM FUEL TANK**

(a) Remove the bolt holding the fuel pipe clamp to fuel tank.

(b) Remove the 6 bolts, the fuel pump, bracket assembly and gasket.



FUEL PUMP INSPECTION

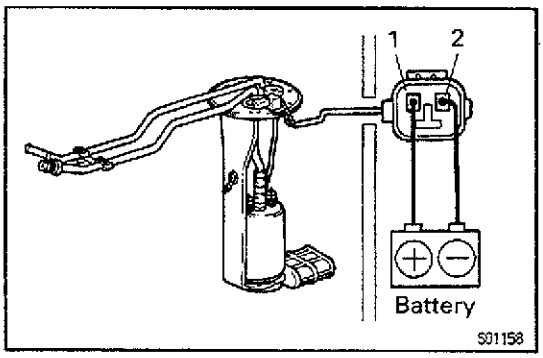
1. **INSPECT FUEL PUMP RESISTANCE**

Using an ohmmeter, measure the resistance between the terminals.

Resistance:

0.2 – 3.0 Ω at 20°C (68°F)

If the resistance is not as specified, replace the fuel pump, lead wire or fuel pump bracket.



2. **INSPECT FUEL PUMP OPERATION**

Connect a tester lead from terminal 1 of the connector to the positive (+) terminal of the battery; connect another tester lead from terminal 2 of the connector to the negative (–) terminal of the battery.

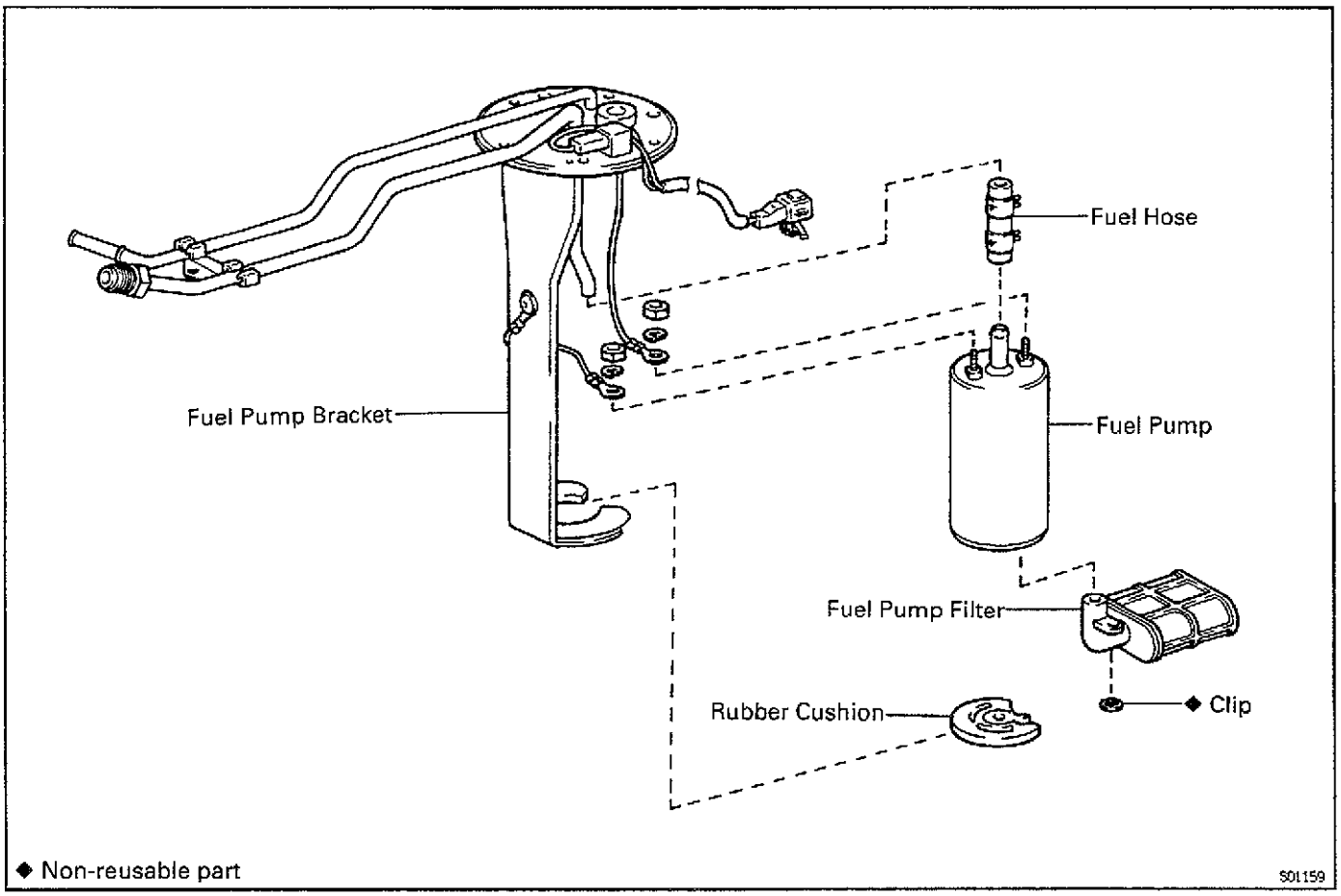
NOTICE:

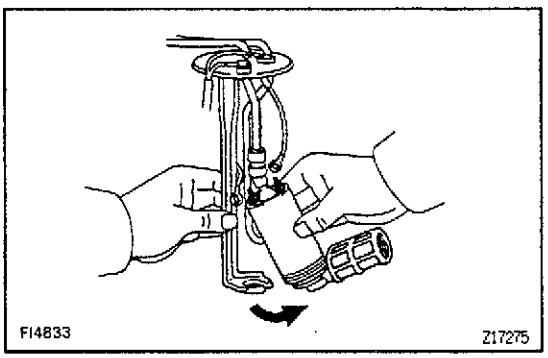
- **These tests must be performed quickly (within 10 seconds) to prevent the coil from burning out.**
- **Keep the fuel pump as far away from the battery as possible.**
- **Always connect or disconnect at the battery.**

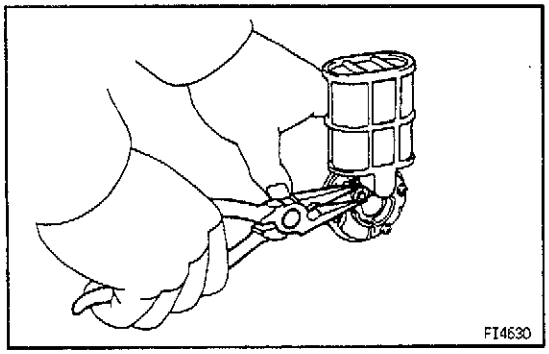
If operation is not as specified, replace the fuel pump, lead wire or fuel pump bracket.

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COMPONENTS FOR DISASSEMBLY AND ASSEMBLY







FUEL PUMP DISASSEMBLY

1. REMOVE FUEL PUMP FROM PUMP BRACKET

(a) Remove the 2 nuts and 2 spring washers, and disconnect the 2 lead wires from the fuel pump.

(b) Pull out the lower side of the fuel pump from the pump bracket.

(c) Remove the rubber cushion from the fuel pump.

(d) Disconnect the fuel hose from the fuel pump, and remove the fuel pump.

2. REMOVE FUEL PUMP FILTER FROM FUEL PUMP

(a) Remove the clip.

(b) Pull out the pump filter.