110P0–03

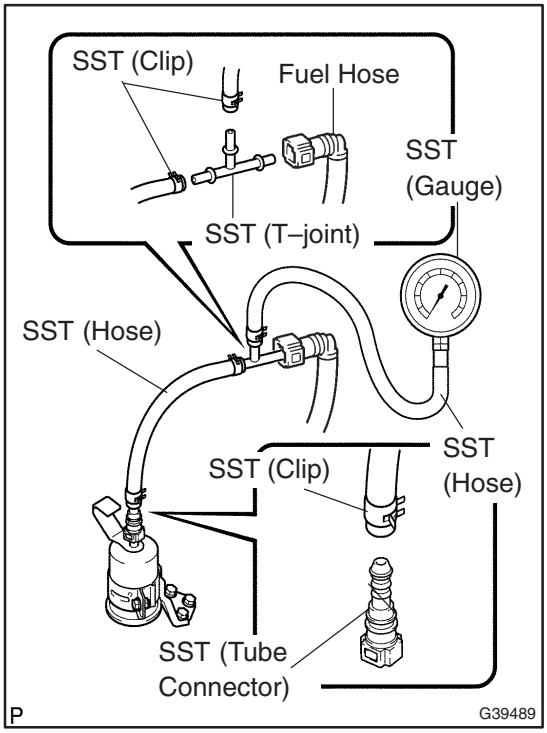
ON–VEHICLE INSPECTION

1. CHECK FUEL PRESSURE

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

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

(c) Disconnect the fuel hose from the fuel filter assy.



(d) Install SST (pressure gauge) using SSTs and a fuel tube connector as shown in the illustration.

SST 09268–41047 (90467–13001, 95336–08070), 09268–45014 (09268–41200, 09268–41220, 09268–41250, 90467–13001)

(e) Wipe off any splattered gasoline.

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

(g) Connect the intelligent tester II to the DLC3 (See step 1 in check fuel pump operation).

(h) Measure the fuel pressure.

Fuel pressure:

281 to 287 kPa (2.87 to 2.93 kgf·cm^2, 40.8 to 41.7 psi)

If pressure is high, replace the fuel pressure regulator.

If pressure is low, check the fuel hoses, fuel hose connection, fuel pump, fuel filter and fuel pressure regulator.

(i) Disconnect the intelligent tester II from the DLC3.

(j) Start the engine.

(k) Measure the fuel pressure at idle.

Fuel pressure:

281 to 287 kPa (2.87 to 2.93 kgf·cm^2, 40.8 to 41.7 psi)

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

(l) Stop the engine.

(m) Check that the fuel pressure remains as specified for 5 minutes after the engine has stopped.

Fuel pressure: 147 kPa (1.5 kgf/cm^2, 21 psi) or more

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

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

(o) Connect the fuel hose to the fuel filter assy.

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

(q) Check for fuel leakage.

2. CHECK FUEL PUMP OPERATION AND FUEL LEAK

(a) When using the intelligent tester II

(1) Connect the intelligent tester II to the DLC3.

(2) Turn the ignition switch to the ON position and intelligent tester II main switch ON.

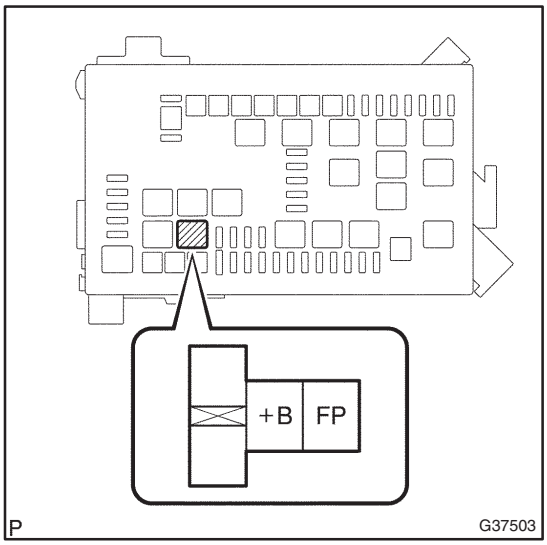
NOTICE:

Do not start the engine.

(3) Select the Active Test mode on the intelligent tester II.

HINT:

Please refer to the intelligent tester II operator's manual for further details.



(b) When not using the intelligent tester II

(1) Remove the circuit opening relay.

(2) Using a service wire, connect terminals FP and +B of the relay block.

NOTICE:

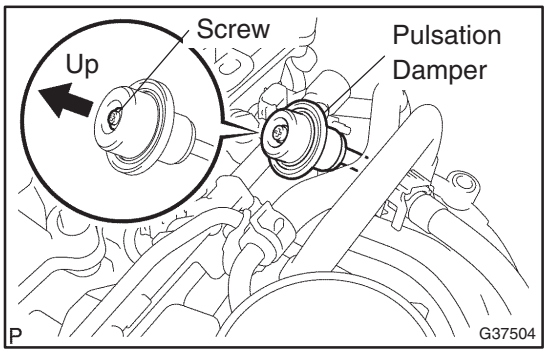
Pay attention to the terminal connecting position to avoid a malfunction.

(3) Turn the ignition switch to the ON position, and check that the fuel pump operates.

NOTICE:

Do not start the engine.

(c) Check that there are no fuel leaks anywhere on the fuel system after doing maintenance.



(d) Check that the pulsation damper screw rises up when the fuel pump operates.

If operation is not as specified, check the following parts:

- Fusible link
- Fuses
- EFI main relay
- Fuel pump
- ECM
- Wiring connections

(e) Turn the ignition switch off.

(f) Disconnect the intelligent tester II from the DLC3.