1100G–07

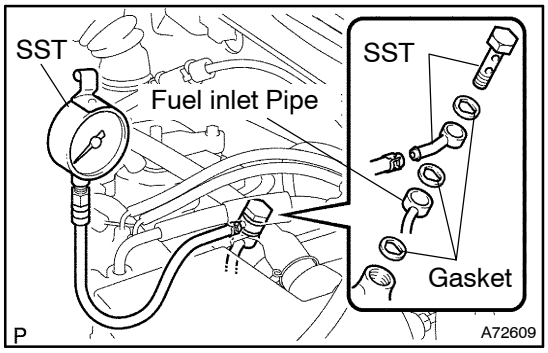
ON–VEHICLE INSPECTION

1. CHECK FUEL PRESSURE

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

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

(c) Remove the pulsation damper from the delivery pipe.



(d) Install the fuel inlet pipe and SST (pressure gauge) to the delivery pipe with the 3 gaskets and SST (union bolt).

SST 09268–45014 (09268–41200, 09268–41190, 90405–06176, 09268–41210, 90467–11009)

Torque: 29 N·m (300 kgf·cm, 22 ft·lbf)

(e) Wipe off any splattered gasoline.

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

(g) Connect the hand–held tester to the DLC3 (See step 1 in check fuel pump operation).

(h) Measure the fuel pressure.

Fuel pressure:

265 – 304 kPa (2.7 – 3.1 kgf/cm^2, 38 – 44 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 hand–held tester from the DLC3.

(j) Start the engine.

(k) Measure the fuel pressure at idle.

Fuel pressure:

265 – 304 kPa (2.7 – 3.1 kgf/cm^2, 38 – 44 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.

SST 09268–45014 (09268–41200, 09268–41190, 90405–06167, 09268–41210, 90467–11009)

(o) Reinstall the pulsation damper to the delivery pipe.

(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 hand–held tester

(1) Connect the hand–held tester to the DLC3.

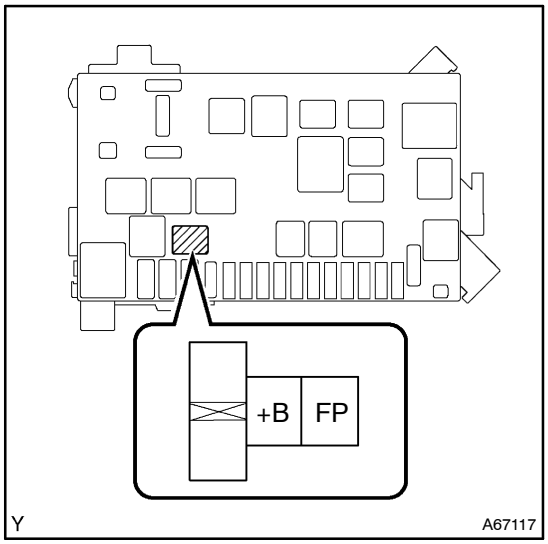
(2) Turn the ignition switch ON and hand–held tester main switch ON.

NOTICE:

Do not start the engine.

(3) Select the ACTIVE TEST mode on the hand–held tester.

(4) Please refer to the hand–held tester operator's manual for further details.



(b) When not using hand–held tester

(1) Remove the circuit opening relay.

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

NOTICE:

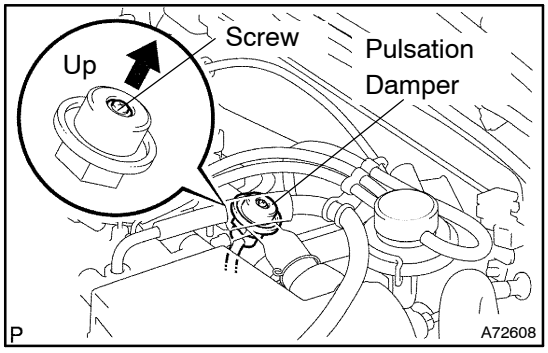
Pay due attention to the terminal connecting position to avoid a malfunction.

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

NOTICE:

Do not start the engine.

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



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

If operation is not as specified, check theses parts:

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

(e) Turn the ignition switch OFF.

(f) Disconnect the hand–held tester from the DLC3.