110P0–02

ON–VEHICLE INSPECTION

1. CHECK FUEL PUMP OPERATION AND FUEL LEAK

(a) When using the hand–held tester.

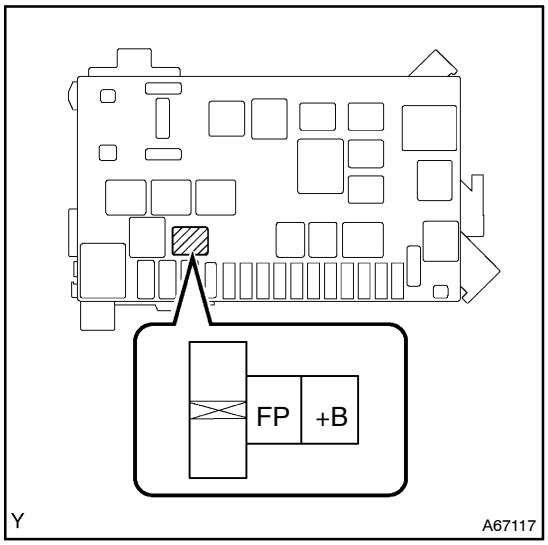
(1) Connect the hand–held tester to the DLC3.

(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. Refer to the hand–held tester user'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 to on the fuel system.

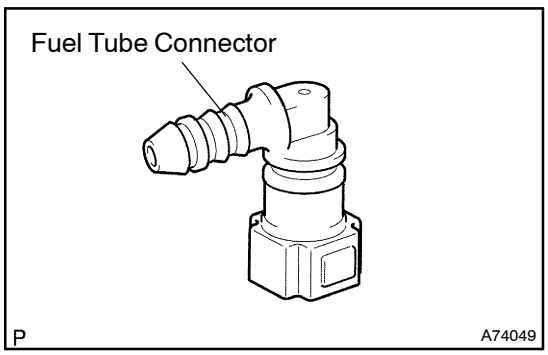
(d) Turn the ignition switch OFF.

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

2. CHECK FUEL PRESSURE

(a) Prepare for inspection.

(1) Obtain a new fuel tube and remove the fuel tube connector from the tube.

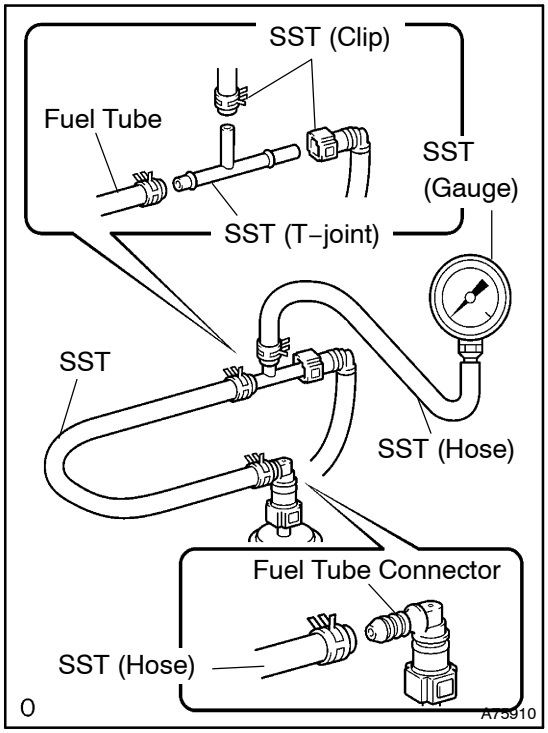


HINT:

Part No. 23801–31060

(b) Discharge fuel system pressure (See page 11–1).

(c) Disconnect the fuel pipe No. 1 from the fuel main tube (See page 11–19).



(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 up any gasoline.

(f) Start the engine.

(g) 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)

(h) Stop the engine.

(i) 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 injectors.

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

(k) Reconnect the fuel tube to the fuel main tube.

(l) Check for fuel leaks (See page 11–1).