

FUEL PUMP

ON-VEHICLE INSPECTION

SF1Y6-01

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 to the ON position and the hand-held tester main switch ON.

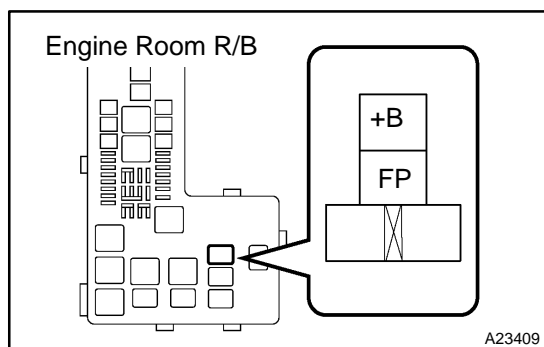
NOTICE:

Do not start the engine.

- (3) Enter the following menus: DIAGNOSIS / ENHANCED OBD II / ACTIVE TEST / FUEL PUMP / SPD

HINT:

Please refer to the hand-held tester operator's manual for further details.



- (b) When not using the hand-held tester:
- (1) Remove the circuit opening relay.
 - (2) Using a service wire, connect terminals FP and +B of the relay block.

NOTICE:

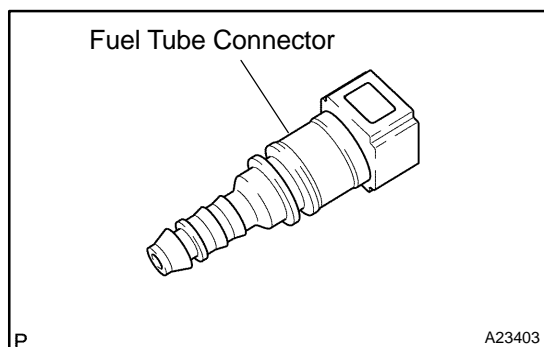
Pay careful attention to the terminal connecting position to avoid a malfunction.

- (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 after performing maintenance of the fuel system.
- (d) Turn the ignition switch off.
- (e) Disconnect the hand-held tester from the DLC3.



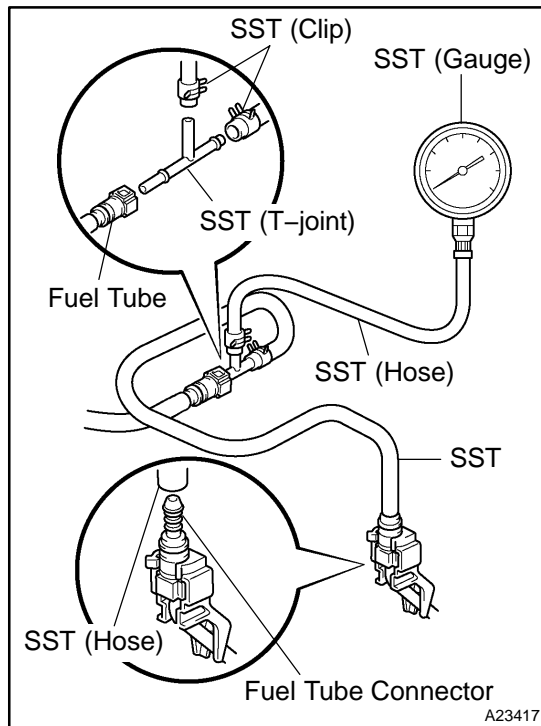
2. CHECK FUEL PRESSURE

- (a) Prepare for inspection.
- (1) Prepare a new fuel tube, and take the fuel tube connector out of the tube.

HINT:

Part No. 23801-31070

- (b) Prevent gasoline from spilling out (See page [SF-1](#)).
- (c) Disconnect the fuel pipe clamp (See page [SF-1](#)).
- (d) Disconnect the fuel pipe No. 1 from the fuel main tube.



- (e) Install SST (pressure gauge) as shown in the illustration by using SSTs and a fuel tube connector.
 SST 09268-41047 (90467-13001, 95336-08070),
 09268-45014 (09268-41200, 09268-41220,
 09268-41250, 90467-13001)

- (f) Wipe off any spattered gasoline.
 (g) Start the engine.
 (h) Measure the fuel pressure at idle.

Fuel pressure:

281 to 287 kPa (2.87 to 2.93 kgf·cm², 40.8 to 41.7 psi)

- (i) Stop the engine.
 (j) 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 injectors.

- (k) After checking the fuel pressure, disconnect the negative (-) terminal cable from the battery carefully, and remove the SST and fuel tube connector to prevent gasoline from splashing.
 (l) Reconnect the fuel tube to the fuel main tube.
 (m) Install the EFI fuel pipe clamp.
 (n) Check for fuel leak.