

## ON-VEHICLE INSPECTION

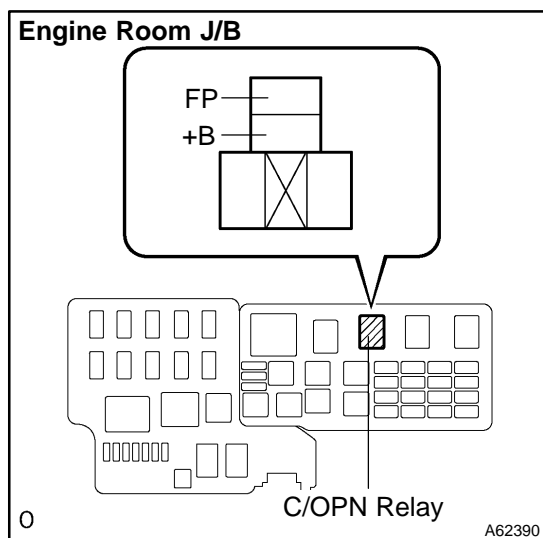
### 1. CHECK FUEL PUMP OPERATION AND FUEL LEAKS

- (a) When using the hand-held tester:  
Check fuel pump operation.
- (1) Connect the hand-held tester to the DLC3.
  - (2) Turn the ignition switch ON and push the hand-held tester main switch ON.

**NOTICE:**

**Do not start the engine.**

- (3) Select the ACTIVE TEST mode on the hand-held tester.
- (4) If you need help to select active test on the hand-held tester, refer to the hand-held tester instruction manual.
- (5) Turn the ignition switch OFF.
- (6) Disconnect the hand-held tester from the DLC3.



- (b) When not using the hand-held tester:  
Check fuel pump operation.
- (1) Remove the C/OPN relay from the engine room J/B.
  - (2) Using a service wire, connect terminals FP and +B of the engine room J/B.

**NOTICE:**

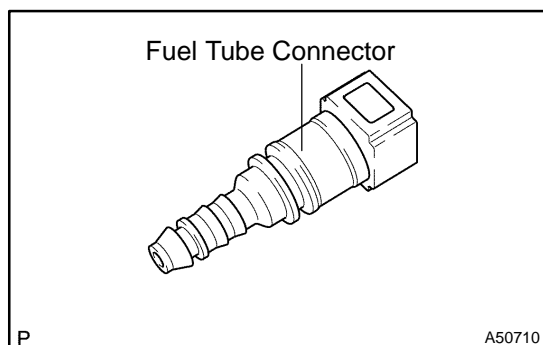
**Pay close attention to the terminal connecting position to avoid a malfunction.**

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

**NOTICE:**

**Do not start the engine.**

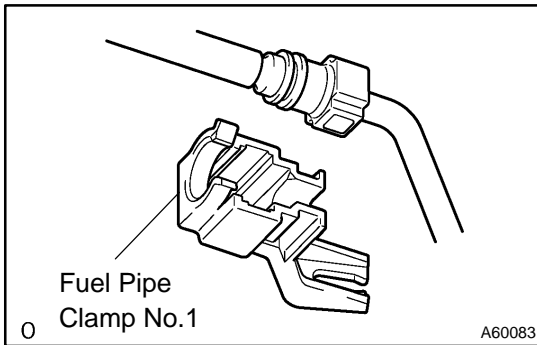
- (c) Check that there are no fuel leaks after doing maintenance anywhere on the fuel system.
- (d) Turn the ignition switch OFF.
- (e) Remove the service wire from the engine room J/B.
- (f) Install the C/OPN relay to the engine room J/B.



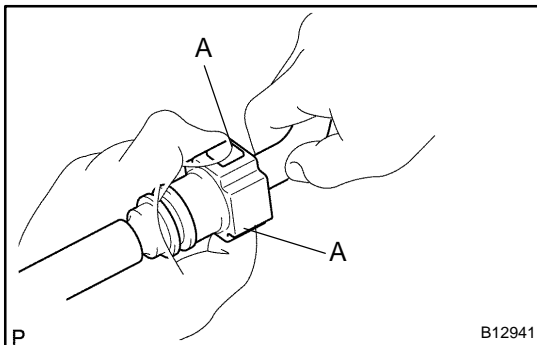
### 2. CHECK FUEL PRESSURE

- (a) Check that the battery positive voltage is above 12 V.
- (b) Disconnect the negative (–) terminal cable from the battery.
- (c) Purchase a new fuel tube and take out the fuel tube connector from its pipe.

Fuel tube: Part No. 23801–20190



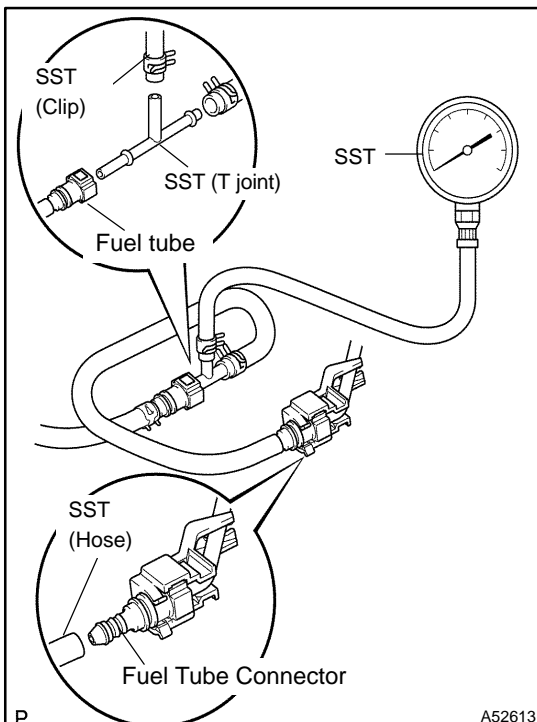
- (d) Remove the fuel pipe clamp from the fuel tube connector.



- (e) Disconnect the fuel tube connector from the fuel pipe by pinching part A with your fingers, as shown in the illustration.

**CAUTION:**

- Always read the precautions (see page 11-1) before disconnecting the fuel tube connector (quick type).
- The fuel pipe line may spray fuel as a result of retained pressure that remains in it. Do not allow fuel to be sprayed in the engine compartment.



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

- (g) Wipe off any gasoline.  
 (h) Reconnect the negative (-) battery cable.  
 (i) When using hand-held tester:  
 Operate the fuel pump (see step 1 (a)).  
 (j) When not using hand-held tester:  
 Operate the fuel pump (see step 1 (b)).  
 (k) Measure the fuel pressure.

**Fuel pressure:**

**304 to 343 kPa (3.1 to 3.5 kgf/cm<sup>2</sup>, 44 to 50 psi)**

If the pressure is high, replace the fuel pressure regulator.

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

- (l) Start the engine.  
 (m) Measure the fuel pressure at idle.

**Fuel pressure:**

**304 to 343 kPa (3.1 to 3.5 kgf/cm<sup>2</sup>, 44 to 50 psi)**

- (n) Stop the engine.

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

**Fuel pressure: 147 kPa (1.5 kgf/cm<sup>2</sup>, 21psi)**

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

- (p) After checking the fuel pressure, disconnect the negative (–) battery cable and carefully remove SST and fuel tube connector to prevent gasoline from spraying.
- (q) Reconnect the fuel inlet tube (fuel tube connector).

**CAUTION:**

**Always read the precautions (see page 11-1) before connecting the fuel tube connector (quick type).**