

## ON-VEHICLE INSPECTION

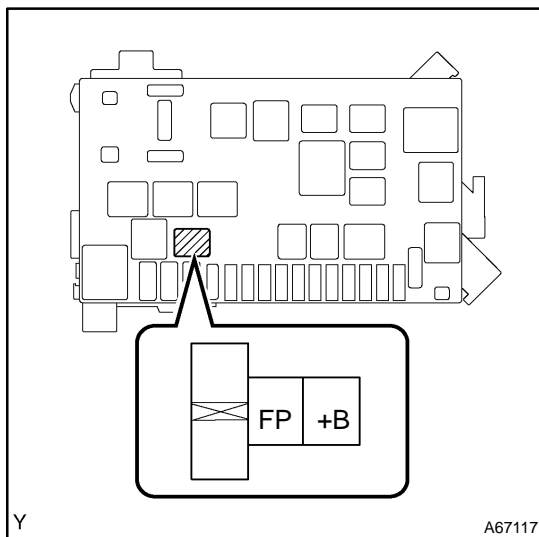
### 1. CHECK FUEL PUMP OPERATION AND FUEL LEAK

- (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:

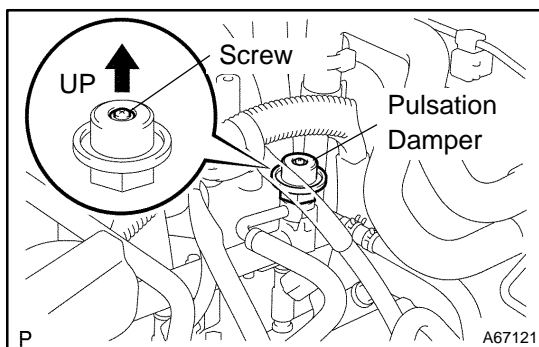
**Pay due attention to the terminal connecting position to avoid a malfunction.**

- (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.

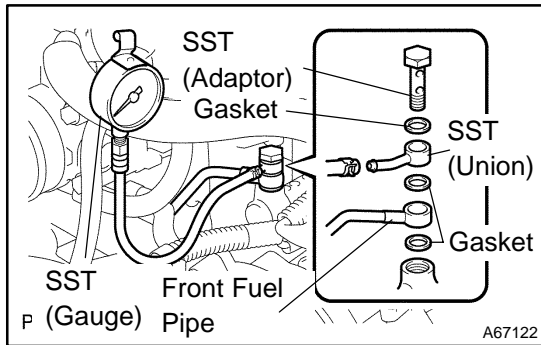
If operation is not as specified, check these parts:

- 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.

### 2. CHECK FUEL PRESSURE

- (a) Check the battery positive voltage is above 12 V.
- (b) Disconnect the negative (-) terminal cable from the battery.
- (c) Remove the front fuel pipe from the LH delivery pipe (See page 11-11)



- (d) Install the front fuel pipe and SST (pressure gauge) to the delivery pipe with 3 lower gaskets and SST (adaptor).  
SST 09268-45014 (09268-41200, 09268-41190, 90405-06167, 09268-41210, 90467-11009)

**Torque: 39 N·m (400 kgf·cm, 29 ft·lbf)**

- (e) Wipe off any splattered gasoline.  
(f) Reconnect the negative (-) terminal cable to the battery.  
(g) Connect a 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<sup>2</sup>, 38 - 44 psi)**

If pressure is high, replace the fuel pressure regulator.

If pressure is low, check these parts:

- Fuel hoses and connections
- Fuel pump
- Fuel filter
- 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<sup>2</sup>, 38 - 44 psi)**

- (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<sup>2</sup>, 21 psi) or more**

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

- (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 front fuel pipe to the LH delivery pipe (See page 11-11).  
(p) Reconnect the negative (-) terminal cable to the battery.  
(q) Check for fuel leakage (See step 1 in check fuel pump operation).