

## ON-VEHICLE INSPECTION

### 1. CHECK FUEL PUMP

- (a) Connect the intelligent tester to the DLC3.
- (b) Turn the ignition switch to ON.

**NOTICE:**

**Do not start the engine.**

- (c) Turn the intelligent tester ON.
- (d) Select the following menu items: DIAGNOSIS / ENHANCED OBD II / ACTIVE TEST / FUEL PUMP / SPD.
- (e) Check the fuel operation by operating it with the intelligent tester.  
If the fuel pump does not operate, replace the fuel pump.

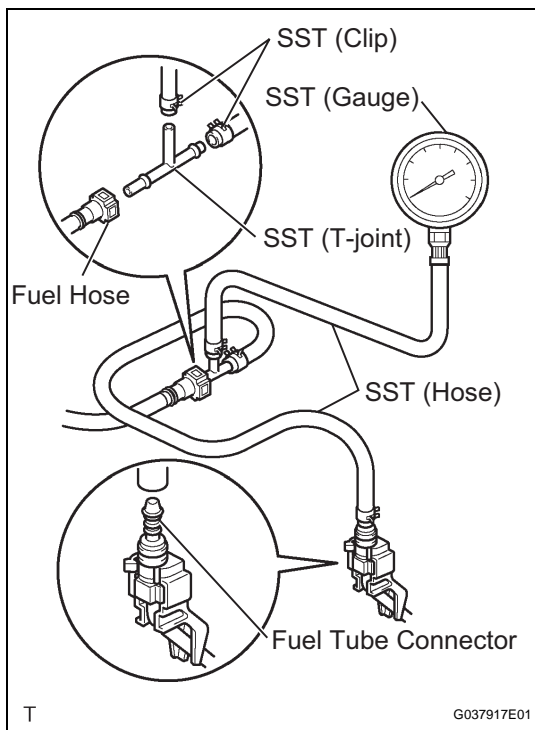
### 2. CHECK FUEL PRESSURE

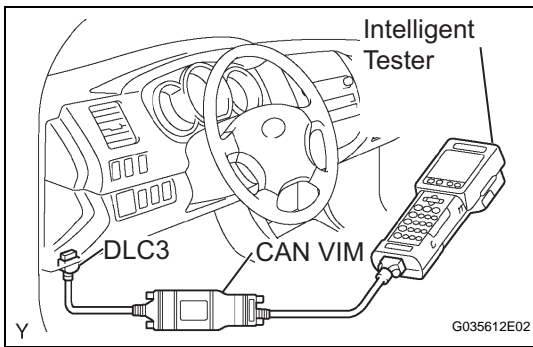
- (a) Discharge the fuel system pressure.
- (b) Using a voltmeter, measure the battery voltage.

**Standard:**

**9.0 to 14 V**

- (c) Disconnect the cable from the negative battery terminal.
- (d) Remove the fuel pipe clamp.
- (e) Disconnect the fuel hose.
- (f) Install SST into the vehicle.  
**SST 09268-41048 (09268-41500, 90467-13001, 95336-08070), 09268-45014 (09268-41200, 09268-41220, 09268-41250)**
- (g) Wipe off any spilt gasoline.
- (h) Connect the cable to the negative battery terminal.  
**Torque: 3.9 N\*m (40 kgf\*cm, 35 in.\*lbf)**





- (i) Connect the intelligent tester to the DLC3.
- (j) Turn the ignition switch to ON.
- (k) Turn the intelligent tester ON.
- (l) Select the following menu items: DIAGNOSIS / ENHANCED OBD II / ACTIVE TEST / FUEL PUMP / SPD / ON.
- (m) Measure the fuel pressure.

**Standard:**

**281 to 287 kPa (2.87 to 2.93 kgf/cm<sup>2</sup>, 40.8 to 41.7 psi)**

- If the pressure is too high, replace the fuel pressure regulator.
- If the pressure is too low, check the connection between the fuel hose and fuel pump.

- (n) Disconnect the intelligent tester from the DLC3.
- (o) Start the engine.
- (p) Measure the fuel pressure while the engine idles.

**Standard:**

**281 to 287 kPa (2.87 to 2.93 kgf/cm<sup>2</sup>, 40.8 to 41.7 psi)**

- (q) Stop the engine.
- (r) Check that the fuel pressure does not change for 5 minutes.

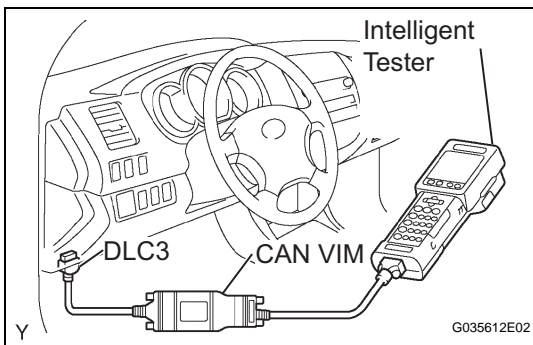
**Standard:**

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

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

- (s) Discharge the fuel system pressure.
- (t) Disconnect the cable from the negative battery terminal.
- (u) Remove SST while being careful to prevent gasoline splashes.
- (v) Connect the fuel hose.
- (w) Install the fuel pipe clamp.
- (x) Connect the cable to the negative battery terminal.

**Torque: 3.9 N\*m (40 kgf\*cm, 35 in.\*lbf)**

**3. CHECK FOR FUEL LEAKAGE**

- (a) Connect the intelligent tester to the DLC3.
- (b) Turn the ignition switch to ON.

**NOTICE:**

**Do not start the engine.**

- (c) Turn the intelligent tester ON.
- (d) Select the following menu items: DIAGNOSIS / ENHANCED OBD II / ACTIVE TEST / FUEL PUMP / SPD / ON.
- (e) Check that there are no leakage in the fuel system.