

## INSPECTION

### 1. FUEL INJECTOR ASSY

(a) Check the injector resistance.

(1) Measure the resistance between the terminals.

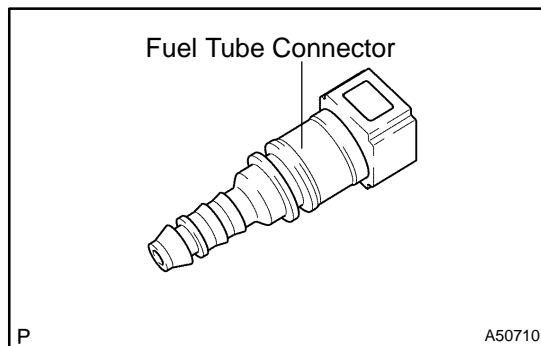
**Standard: 11.6 to 12.4  $\Omega$  at 20°C (68°F)**

If the result is not as specified, replace the injector.

(b) Check the injector injection.

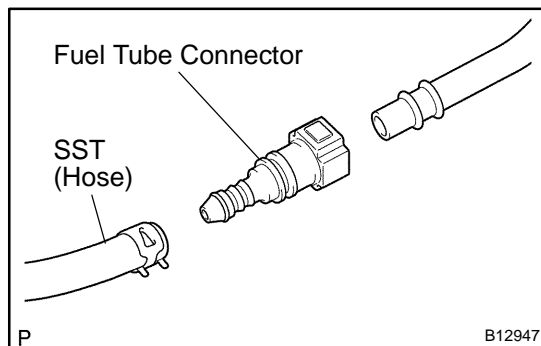
#### CAUTION:

- This test involves high-pressure fuel and electricity.
- Take every precaution regarding safe handling of both the fuel and the electricity.
- Perform this test in a safe area, and avoid any sparks or flame.
- Do not smoke.



(1) Purchase a new fuel tube and take out the fuel tube connector from its pipe.

Part No. 23801-20190

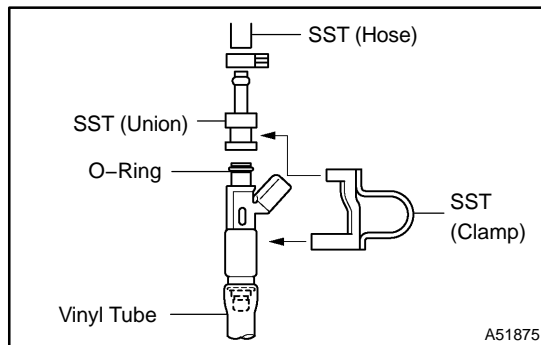


(2) Connect SST and fuel tube connector to the fuel pipe.

SST 09268-41047

#### CAUTION:

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



(3) Install the O-ring to the injector.

(4) Connect SST (union and hose) to the injector, and hold the injector and union with SST (clamp).

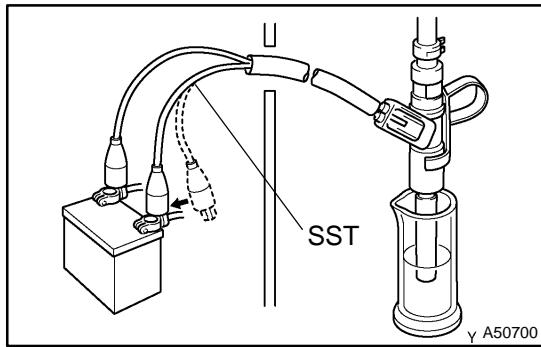
SST 09268-41047 (09268-41110, 09268-41300)

(5) Put the injector into a graduated cylinder.

#### HINT:

Install a suitable vinyl tube onto the injector to contain the gasoline spray.

(6) Operate the fuel pump (see page 11-14).



- (7) Connect SST (wire) to the injector and the battery for 15 seconds, and measure the injection volume with a graduated cylinder. Test each injector 2 or 3 times.

SST 09842-30080

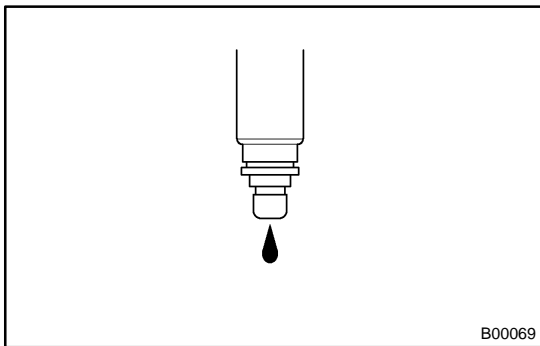
**Standard:**

| Injection Volume                                               | Difference Between Each Injector        |
|----------------------------------------------------------------|-----------------------------------------|
| 76 to 91 cm <sup>3</sup> (4.6 to 5.6 cu in.)<br>per 15 seconds | 16 cm <sup>3</sup> (1.0 cu in.) or less |

**NOTICE:**

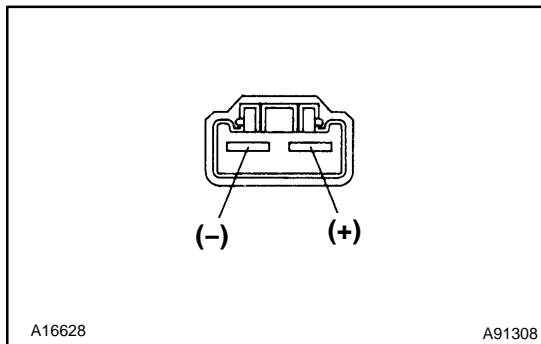
**Always turn on and off the voltage on the battery side, not the fuel pump side.**

If the injection volume is not as specified, replace the injector.



- (c) Check fuel leakage.
- (1) In the condition above, disconnect the test probes of SST (wire) from the battery and check the fuel leakage from the injector.

**Fuel drop: 1 drop or less per 12 minutes**



**2. FUEL PUMP**

- (a) Check fuel pump resistance.
- (1) Measure the resistance between the terminals.  
**Resistance: 0.2 to 3.0  $\Omega$  at 20°C (68°F)**
- (b) Check fuel pump operation.
- (1) Apply battery voltage to both terminals. Check that the pump operates.

**NOTICE:**

- These tests must be done within 10 seconds to prevent the coil from burning out.
- Keep fuel pump as far away from the battery as possible.
- Always turn on and off the voltage on the battery side, not the fuel pump side.