

INSPECTION

1. INSPECT FUEL INJECTOR ASSY

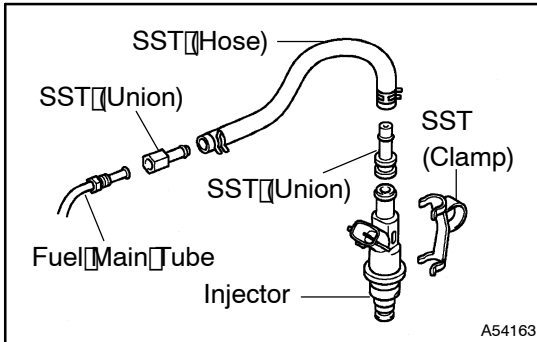
(a) Inspect the injector resistance.

Using an ohmmeter, measure the resistance between the terminals.

Standard: 13.4 to 14.2 Ω at 20°C (68°F)

HINT:

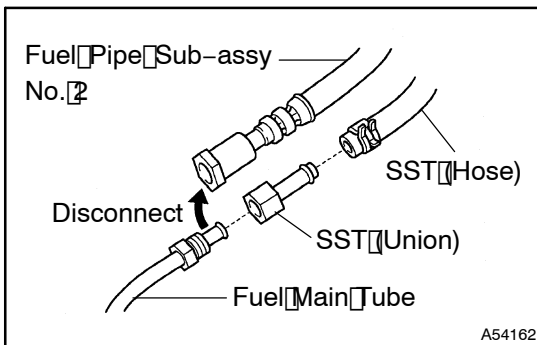
If the resistance is not as specified, replace the injector.



(b) Inspect the injector injection.

CAUTION:

Keep injector clear of sparks during the test.

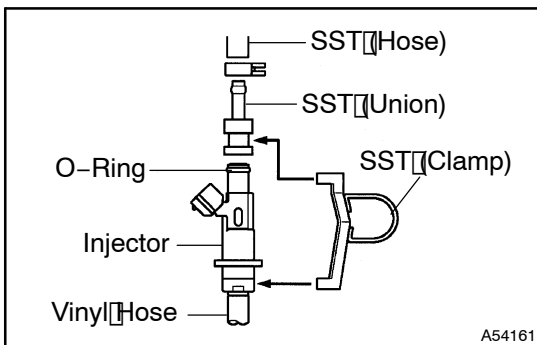


(c) Disconnect the fuel pipe sub-assy No. 2 from the fuel main tube.

(d) Temporarily install SST (union) to the fuel main tube.
SST 09268-41047 (09268-52011)

(e) Tighten the flare nut on the fuel main tube (see page 11-6)

(f) Connect SST (hose) to SST (union).
SST 09268-41047



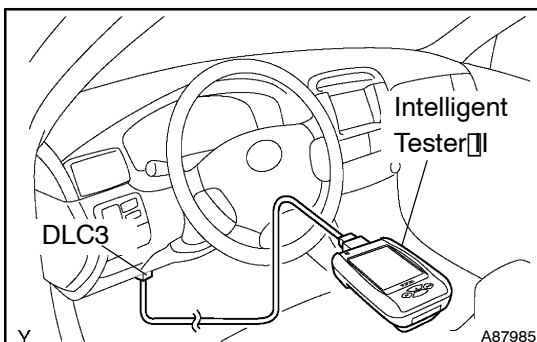
(g) Install a new O-ring to the injector.

(h) Connect SST (union and hose) to the injector, and hold the injector and union with SST (clamp).
SST 09268-41047 (09268-41110, 09268-41300)

(i) Put the injector into the graduated cylinder.

CAUTION:

Install a suitable vinyl hose onto the injector to prevent gasoline from spilling out.



(j) Connect the intelligent tester II to the DLC3.

(k) Connect the battery negative (-) cable to the battery.

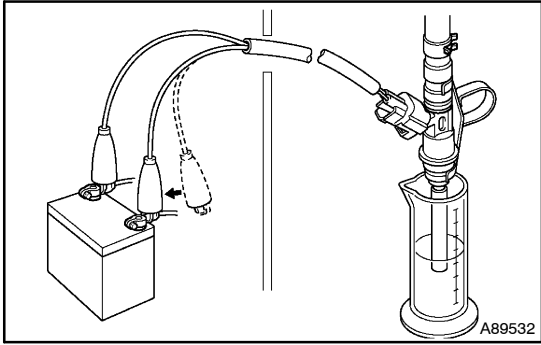
(l) Turn the ignition switch ON and push the intelligent tester II main switch ON.

NOTICE:

Do not start the engine.

(m) Select the ACTIVE TEST mode on the intelligent tester II.

(n) Please refer to the intelligent tester II operator's manual for further details.



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

SST 09842-30070

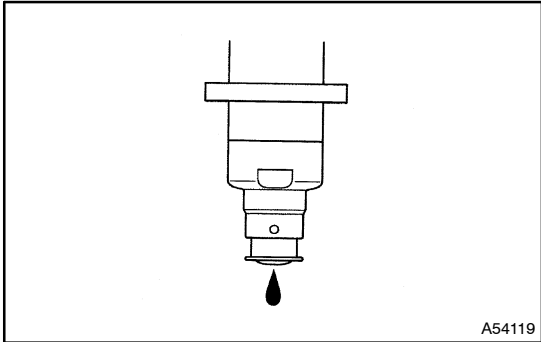
Injection volume:

60 to 73 cm³ (3.7 to 4.5 cu in.) per 15 seconds

Difference between each injector:

13 cm³ (0.6 cu in.) or less

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



- (p) Inspect the fuel leakage.

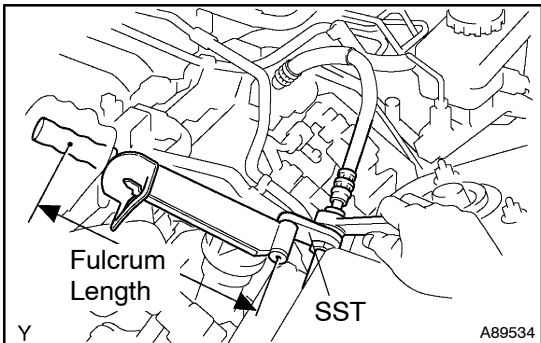
- (1) In the condition above, disconnect the tester probes of SST (wire) from the battery and check the fuel leakage from the injector.

SST 09842-30070

Fuel drop: 1 drop or less per 27 minutes

If the fuel leakage is not as specified, replace the injector.

- (q) Turn the ignition switch OFF.
 (r) Disconnect the negative (-) terminal cable from the battery.
 (s) Remove the SST.
 SST 09268-41047, 09842-30070
 (t) Disconnect the intelligent tester II from the DLC3.



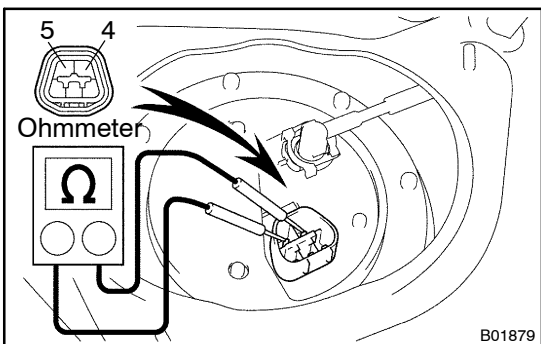
- (u) Reconnect the fuel pipe sub-assy No. 2 to the fuel main tube.

SST 09023-12700

Torque: 30 N·m (310 kgf·cm, 22 ft·lbf)

HINT:

Use a torque wrench with a fulcrum length of 30 cm (11.81 in.).



2. INSPECT FUEL PUMP ASSY

- (a) Inspect the fuel pump resistance.
 (1) Using an ohmmeter, measure the resistance between terminals 4 and 5.
Standard: 0.2 to 3.0 Ω at 20°C (68°F)
 (b) Inspect the fuel pump operation.
 (1) Apply battery voltage to both terminals. Check that the pump operates.

NOTICE:

- These tests must be done quickly (within 10 seconds) to prevent the coil from burning out.
- Keep the 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.