110P1–02

INSPECTION

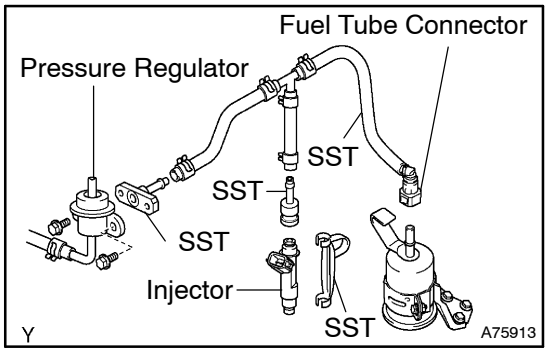
1. INSPECT FUEL INJECTOR ASSY

(a) Inspect injector resistance

(1) Using an ohmmeter, measure the resistance between the terminals.

Resistance: 11.6 to 12.4 Ω at 20°C (68°F)

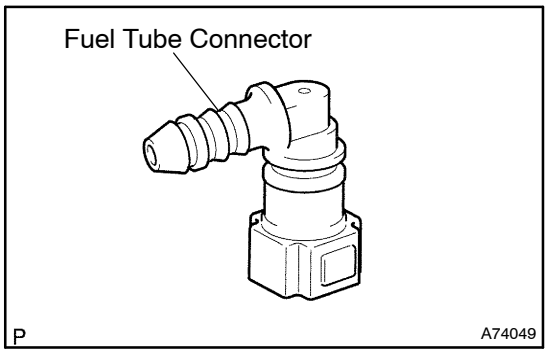
If the resistance is not as specified, replace the injector.



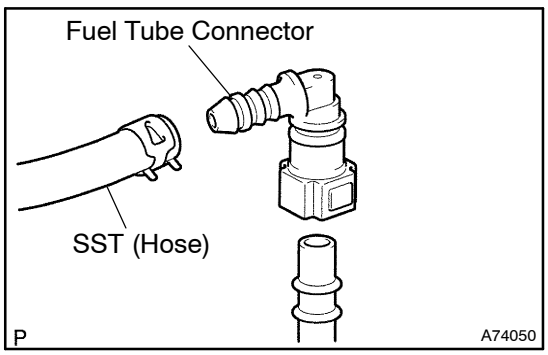
(b) Inspect injector inspection

CAUTION:

This test involves high – pressure fuel and electricity. Tank every precaution regarding safe handling of both the fuel and the electricity. Perform this test in a safe area, and avoid any spark or flam. Do not smoke.



(1) Obtain new No.1 fuel pipe (part No. 23801–31060) and remove the fuel tube connector from the pipe.



(2) Install the fuel tube connector to SST (hose), then connect the tube connector and the fuel pipe.

SST 09268–41047 (95336–08070)

CAUTION:

Connect the fuel tube connector (quick type) after observing the precautions.

(3) Remove the pressure regulator from the delivery pipe.

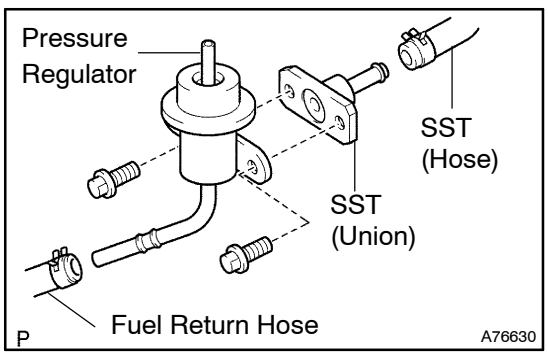
(4) Install the O–ring to the fuel inlet of the pressure regulator.

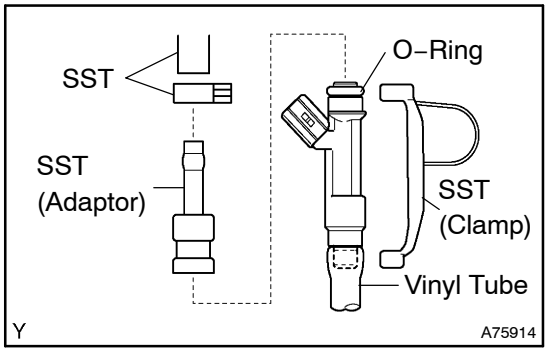
(5) Connect SST (hose) to the fuel inlet of the pressure regulator with another SST (union) and the 2 bolts.

SST 09268–41047 (95336–08070, 09268–41091)

Torque: 7.5 N·m (80 kgf·cm, 66 in.·lbf)

(6) Connect the fuel return hose to the fuel outlet of the pressure regulator.





(7) Install the O–ring to the injector.

(8) Connect SSTs (adaptor and hose) to the injector, and hold the injector and union with SST (clamp)

SST 09268–41047 (09268–41140, 09268–41400, 95336–08070)

(9) Put the injector into a graduated cylinder.

CAUTION:

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

(10) Operate the fuel pump (See Page 11–5).

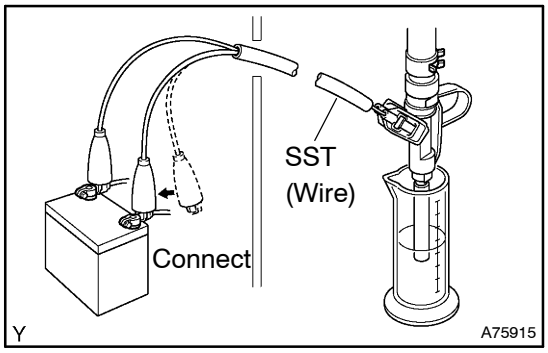
(11) Connect SST (wire) to the injector and the battery for 15 seconds, and measure the injection volume with a graduated cylinder. Test each injector 2 or 3 times.

SST 09842–30080

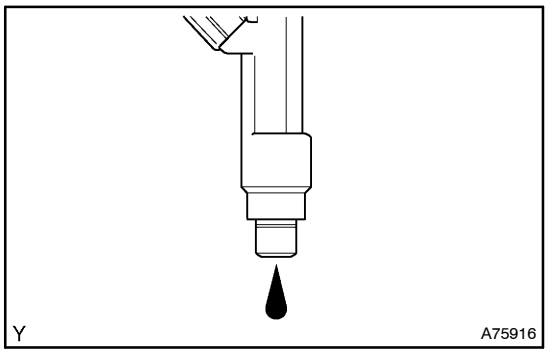
Volume: 71 to 86 cm^3 (4.3 to 5.2 cu in.) in 15 seconds

Difference between each injector:

15 cm^3 (0.9 cu in.) or less



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

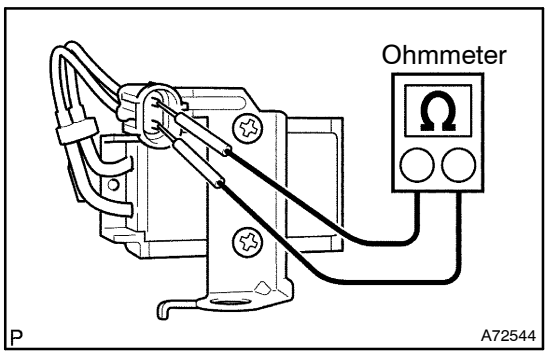


(c) Inspect leakage

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

SST 09842–30080

Fuel drop: 1 drop or less in 12 minutes

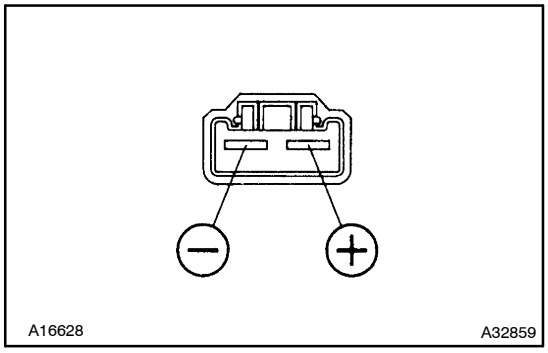


2. INSPECT FUEL PUMP RESISTER

(a) Inspect the fuel pump resistor resistance.

(1) Using an ohmmeter, measure the resistance between the terminal.

Resistance: 0.70 to 0.76 Ω at 20°C (68°F)



3. INSPECT FUEL PUMP

(a) Inspect fuel pump resistance.

(1) Using an ohmmeter, measure the resistance between terminals 4 and 5.

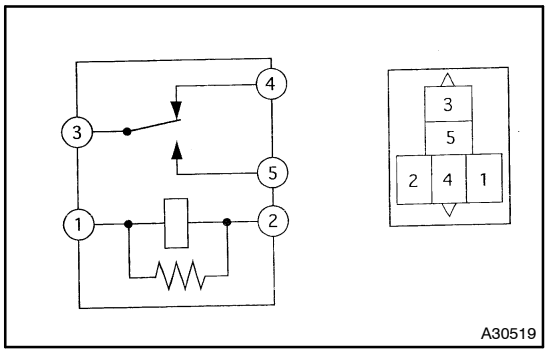
Resistance: 0.2 to 3.0 Ω at 20°C (68°F)

(b) Inspect fuel pump operation

(1) Apply the battery voltage to both the terminals. Check that the pump operates.

NOTICE:

- **These tests must be done quickly (within 10 seconds) to prevent damage to the pump.**
- **Keep fuel pump as far away from the battery as possible.**
- **Always do the switching at the battery side.**



4. INSPECT FUEL PUMP RELAY ASSY

(a) Continuity inspection.

(1) Using the ohmmeter, check that there is continuity between each terminal.

Specified condition:

Terminal No.	Specified condition
1 – 2 3 – 4	Continuity
3 – 5	No continuity
3 – 5	Continuity (Apply battery voltage terminals 1 and 2)

(2) Using the ohmmeter, check that there is continuity between terminals 3 and 5 when the battery voltage is applied across terminals 1 and 2.

Specified condition: Continuity