110LT–01

INSPECTION

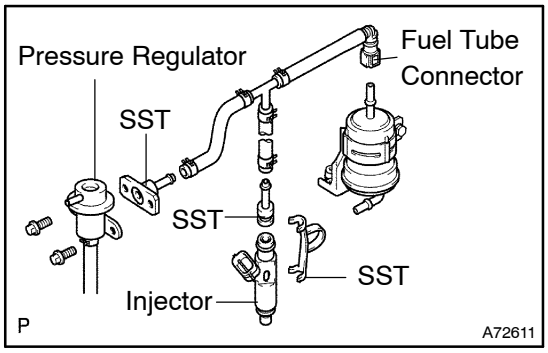
1. FUEL INJECTOR ASSY

(a) Inspect injector resistance

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

Resistance:13.4 – 14.2 Ω at 20°C (68°F)

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



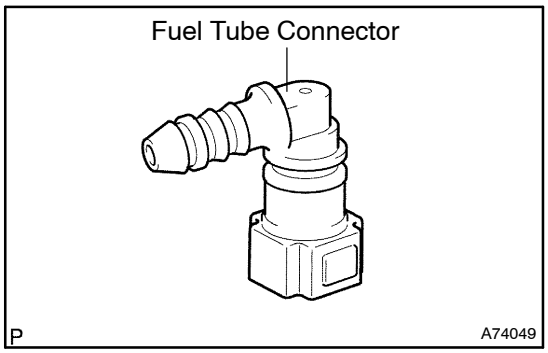
(b) Inspect injector inspection

CAUTION:

Keep injector clear of sparks during the test.

(1) Disconnect the fuel inlet hose (fuel tube connector) from the fuel filter.

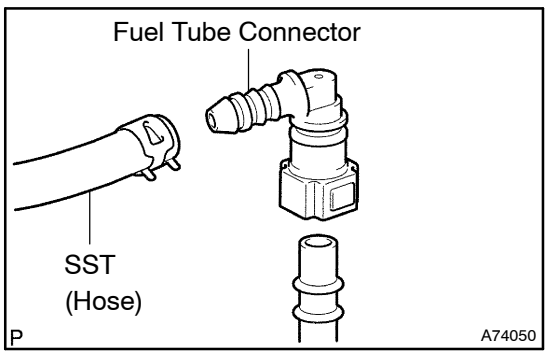
(2) Connect SST (attachment and hose) to the fuel tube.



(3) Purchase the new No.1 fuel pipe and take out the fuel tube connector from its pipe.

HINT:

Part No. 23801–75110

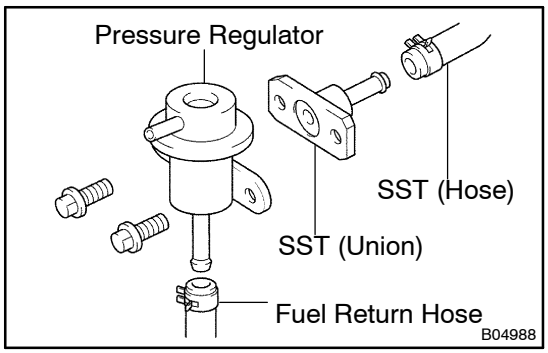


(4) Connect SST and fuel tube connector to the fuel pipe.

SST 09268–41047 (95336–08070)

CAUTION:

Perform connecting operations of the fuel tube connector (quick type) after observing the precautions.



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

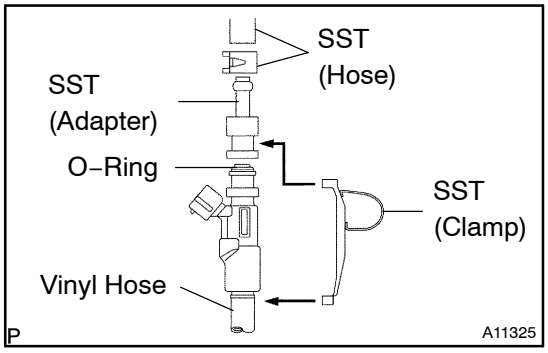
(6) Install the O–ring to the fuel inlet of the pressure regulator.

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

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

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

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



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

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

SST 09268–41047 (09268–41110, 09268–41300, 95336–08070)

(11) Put the injector into a graduated cylinder.

CAUTION:

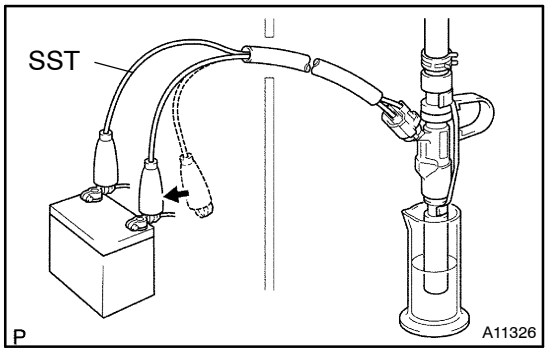
Install a suitable vinyl tube onto the injector to prevent gasoline from splashing out.

(12) Operate the fuel pump.(See Page 11–4)

(13) 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 time.

SST 09842–30070 (95333–06030)

Injection volume:



Gasoline Type	Injection volume	Difference between each injector
Leaded Gasoline Model	64 – 77 cm^3 (3.9 – 4.7 cu in.) per 15 seconds	13 cm^3 (0.8 cu in.) or less
Unleaded Gasoline Model	71 – 86 cm^3 (4.3 – 5.3 cu in.) per 15 seconds	15 cm^3 (1.0 cu in.) or less

NOTICE:

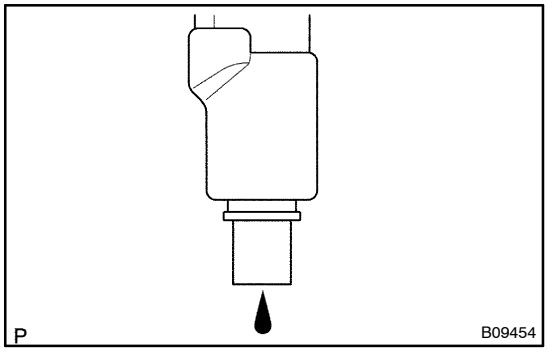
Always do the switching at the battery side.

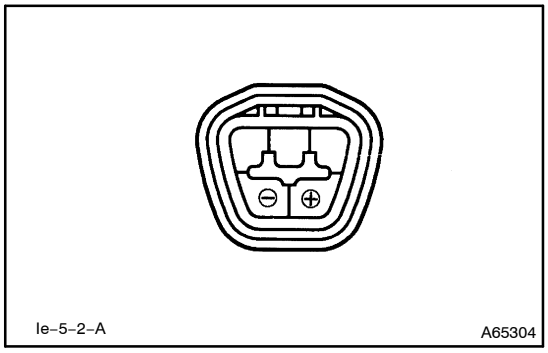
If the injection volume is not as specified,replace the injector.

(c) Inspect 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 SUCTION W/PUMP & GAGE TUBE ASSY (5 DOOR BODY TYPE)

(a) Inspect fuel pump resistance.

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

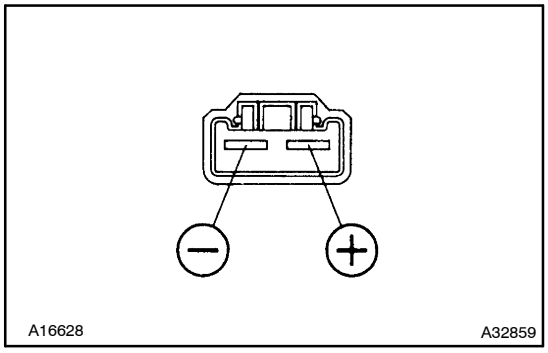
Resistance: 0.2 – 3.0 Ω at 20°C (68°F)

(b) Inspect 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 fuel pump as far away from the battery as possible.**
- **Always do the switching at the battery side.**



3. FUEL PUMP (3 DOOR BODY TYPE)

(a) Inspect fuel pump resistance.

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

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

(b) Inspect 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 fuel pump as far away from the battery as possible.**
- **Always do the switching at the battery side.**