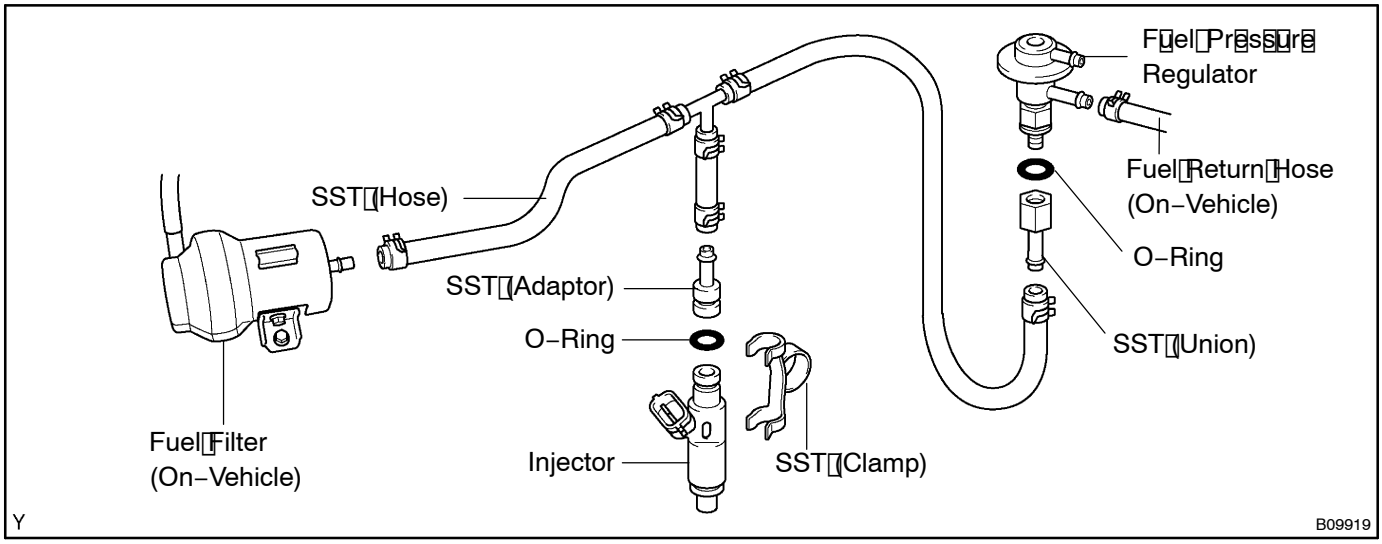
FI0QL–01

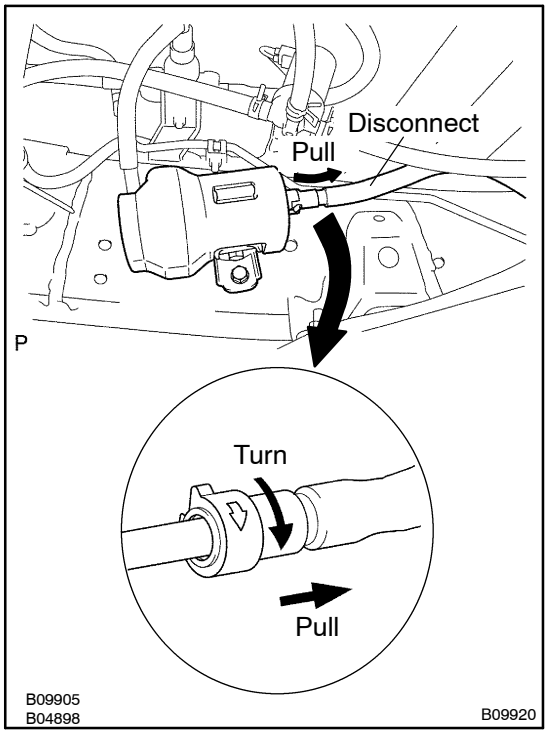
INSPECTION

1. INSPECT INJECTOR INJECTION

CAUTION:

Keep injector clean of sparks during the test.

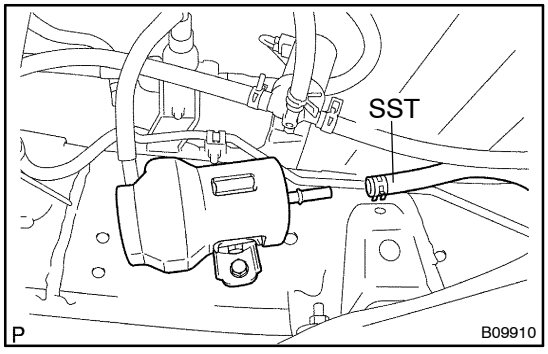




(a) Disconnect the fuel inlet hose (fuel tube connector) from the fuel filter.

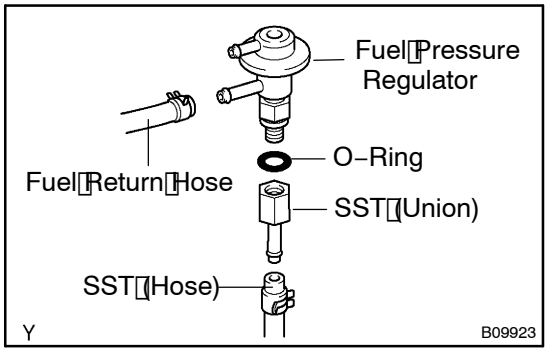
CAUTION:

Perform disconnecting operations of the fuel tube connector (quick type) after observing the precautions (See page FI–1).



(b) Connect SST (hose) to the fuel filter outlet.
SST 09268–41047

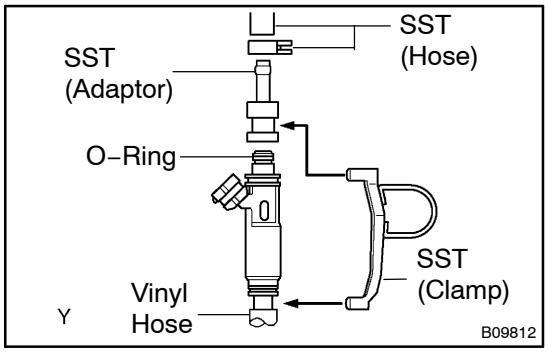
(c) Remove the fuel pressure regulator from the delivery pipe.



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

(e) Connect SST (hose) to the fuel inlet of the fuel pressure regulator with SST (union).
SST 09268–41047 (09268–41061)
Torque: 25 N·m (250 kgf·cm, 18 ft·lbf)

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

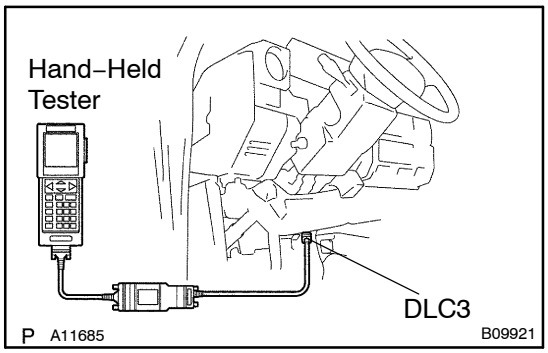


(g) Install the O–ring to the injector.

(h) Connect SST (hose) to the injector with SST (adapter), and hold the injector and adapter 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 splashing out.

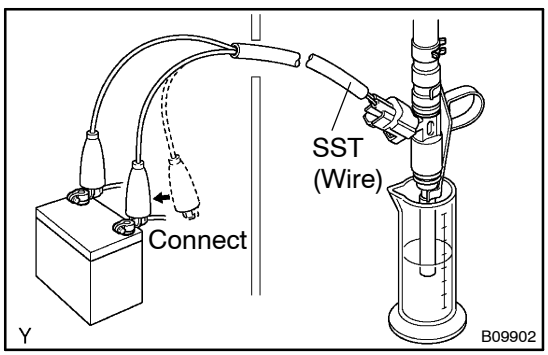


(j) Connect a hand–held tester to the DLC3.
(1) Connect a hand–held tester to the DLC3.
(2) Connect the battery negative (–) cable to the battery.
(3) Turn the ignition switch ON, and push the hand–held tester main switch ON.

NOTICE:
Do not start the engine.

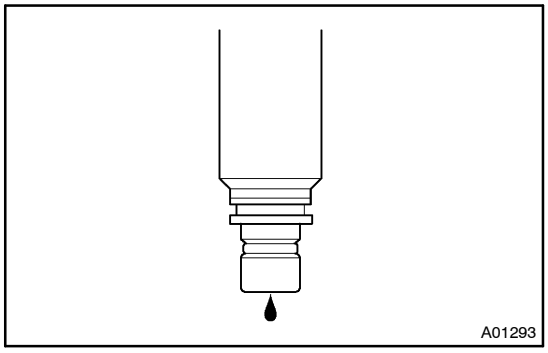
(4) Select the ACTIVE TEST mode on the hand–held tester.
(5) Please refer to the hand–held tester operator's manual for further details.

If you have no hand–held tester, connect the positive (+) and negative (–) leads from the battery to the fuel pump connector (See page FI–6).



(k) 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
Volume: 71 – 86 cm^3 (4.3 – 5.3 cu in.) per 15 seconds
Difference between each injector:
15 cm^3 (1.0 cu in.) or less

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



2. INSPECT LEAKAGE

(a) 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 12 minutes

(b) Turn the ignition switch OFF.

(c) Disconnect the negative (–) terminal cable from the battery.

(d) Remove the SST.
SST 09268–41047, 09842–30070

(e) Disconnect the hand–held tester from the DLC3.

(f) Install the fuel pressure regulator to the delivery pipe.
Torque: 25 N·m (250 kgf·cm, 18 ft·lbf)

(g) Reconnect the fuel inlet hose (fuel tube connector) to the fuel filter.

CAUTION:
Perform connecting operations of the fuel tube connector (quick type) after observing the precautions (See page FI–1).