



INSPECTION

1. INSPECT INJECTOR INJECTION

CAUTION:

Keep injector clean of sparks during the test.

- Remove the union bolt and 2 gaskets, and disconnect the fuel inlet hose from the fuel filter outlet.
- Connect SST (union and hose) to the fuel filter outlet with 2 gaskets and union bolts.

SST 09268-41046 (90405-09015)

Torque: 29.5 N·m (300 kgf·cm, 22 ft·lbf)

- Install the grommet and a O-ring to the injector.
- Connect SST (union and hose) to the injector, and hold the injector and union with SST (clamp).

SST 09268-41046

- Put the injector into the graduated cylinder.

CAUTION:

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

- Remove the fuse cover on the instrument panel.
- Connect the TOYOTA hand-held tester to the DLC3.
- Turn the ignition switch ON and TOYOTA hand-held tester main switch ON.

NOTICE:

Do not start the engine.

- Select the active test mode on the TOYOTA hand-held tester.
- Please refer to the TOYOTA hand-held tester operator's manual for further details.
- If you have no TOYOTA hand-held tester, connect the positive (+) and negative (-) leads from the battery to the fuel pump connector.

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- 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:

39 – 49 cm³ (2.4 – 3.0 cu in.) per 15 sec.

Difference between each injector:

5 cm³ (0.3 cu in.) or less

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

2. INSPECT LEAKAGE

- 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 3 minutes

- (b) Disconnect the negative (–) terminal cable from the battery.
- (c) Remove the SST.
SST 09268–41046, 09842–30070
- (d) Reconnect the fuel inlet hose to the fuel filter outlet with 2 new gaskets and the union bolt.
Torque: 29.5 N·m (300 kgf·cm, 22 ft·lbf)
- (e) Turn the ignition switch OFF.
- (f) Disconnect the TOYOTA hand-held tester from the DLC3.
- (g) Reinstall the fuse cover on the instrument panel.