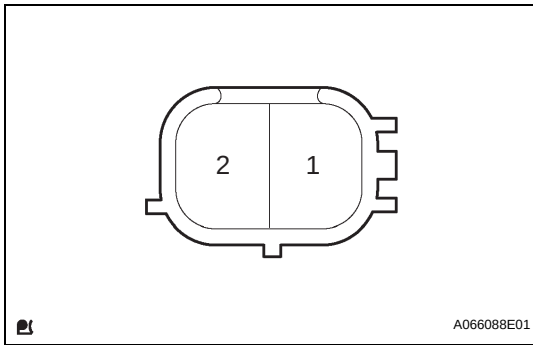




INSPECTION

1. INSPECT FUEL INJECTOR ASSEMBLY

(a) Check the resistance.

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

Standard resistance

Tester Connection	Specified Condition
1 - 2	11.6 to 12.4 Ω at 20°C (68°F)

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

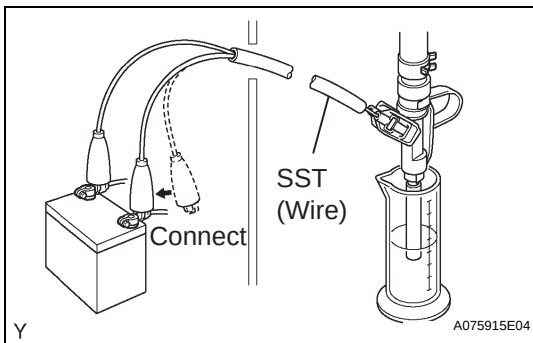
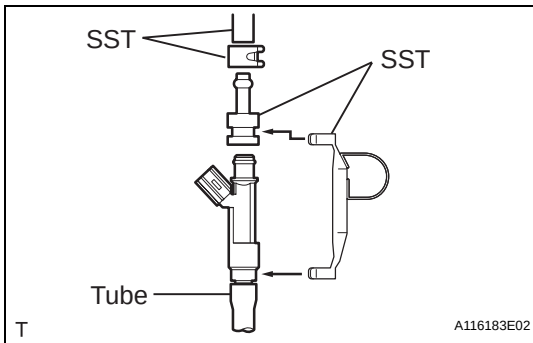
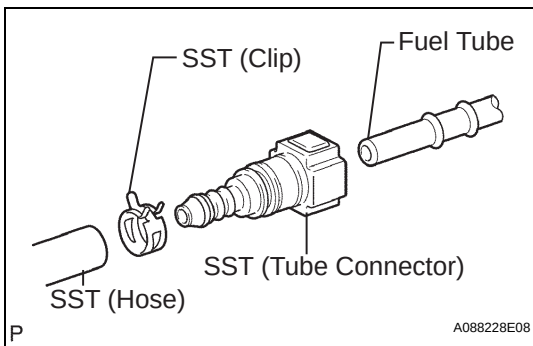
(b) Inspect the injector injection volume.

CAUTION:

Keep the injector away from sparks during this test.

- (1) Connect SST (fuel tube connector) to SST (hose), then connect them to the fuel pipe (the vehicle side).

SST 09268-31011 (09268-41500, 90467-13001, 95336-08070)



- (2) Install the O-ring to the fuel injector.

- (3) Connect SST (adapter and hose) to the injector, and hold the injector and union with SST (clamp).

SST 09268-31011 (09268-41110, 09268-41300, 90467-13001)

- (4) Put the fuel injector into the graduated cylinder.

CAUTION:

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

- (5) Operate the fuel pump (See page [FU-7](#)).

- (6) Install SST onto the fuel injector.

SST 09842-30080

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

Standard volume

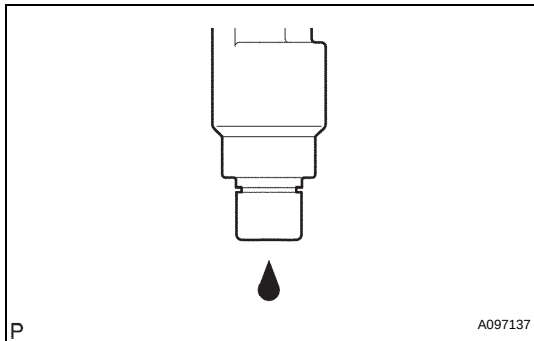
Injection Volume	Difference between each fuel injector
60 to 73 cm ³ (3.6 to 4.5 cu in.) per 15 seconds	13 cm ³ (0.8 cu in.) or less

NOTICE:

Always do the switching at the battery side.

HINT:

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

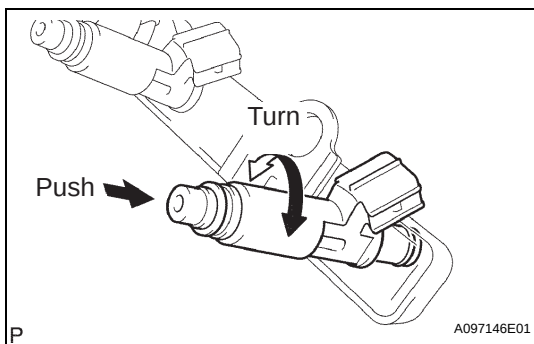
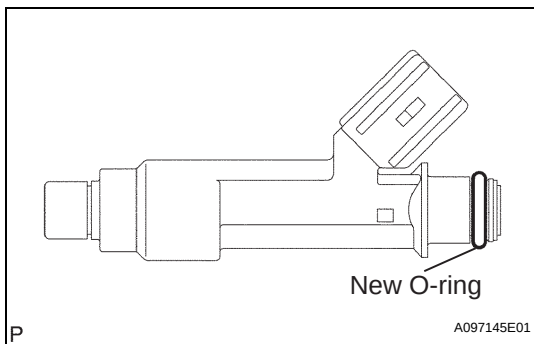


- (c) Inspect the fuel leakage.
- (1) Disconnect the SST (wire) tester probes from the battery and check the fuel leakage from the injector.
- Standard:**
1 drop or less every 12 minutes
- HINT:**
 If the result is not as specified, replace the fuel injector.
- (2) Turn the ignition switch off.
 - (3) Disconnect the cable from the negative (-) battery terminal.
 - (4) Remove the SST.
 - (5) Disconnect the intelligent tester from the DLC3.
 - (6) Reconnect the fuel main tube to the fuel pipe.

INSTALLATION

1. INSTALL FUEL INJECTOR ASSEMBLY

- (a) Apply a light coat of gasoline or spindle oil to a new O-ring, then install it onto each fuel injector.



- (b) Apply a light coat of gasoline or spindle oil to the fuel delivery pipe which comes into contact with the O-ring of the fuel injector.
- (c) Apply a light coat of gasoline or spindle oil to the O-ring again, then install the fuel injector right and left onto the fuel delivery pipe.

NOTICE:

Make sure that the O-ring is not cracked or jammed when installing.

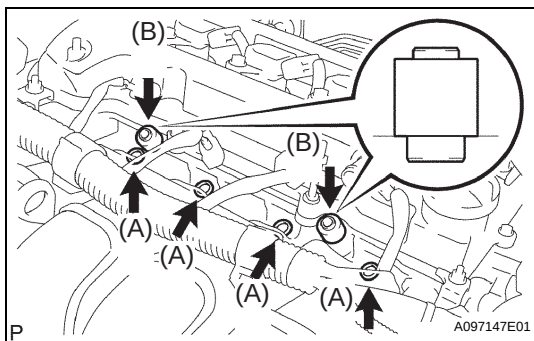
- (d) Check that the fuel injector rotates smoothly.
 If the fuel injector does not rotate, replace the O-ring.

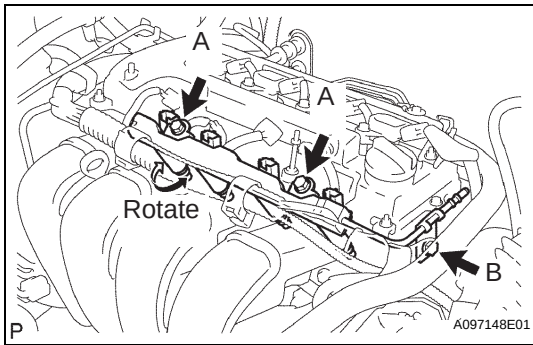
2. INSTALL FUEL DELIVERY PIPE SUB-ASSEMBLY

- (a) Install 4 new insulators into the cylinder head (A).
- (b) Install the 2 delivery pipe No. 1 spacers onto the cylinder head (B).

NOTICE:

Make sure that the delivery pipe No. 1 spacers are installed in the correct direction.





- (c) Install the fuel delivery pipe together with the 4 fuel injectors, then temporarily tighten the 3 bolts (C).

NOTICE:

Do not drop the fuel injectors when installing the fuel delivery pipe.

- (d) Check that the fuel injector rotates smoothly (D). If the fuel injector does not rotate, replace the O-ring.
- (e) Tighten the 3 bolts to the specified torque (E).

Torque: Bolt A

19 N*m (194 kgf*cm, 14 ft.*lbf)

Bolt B

9.0 N*m (92 kgf*cm, 80 in.*lbf)

- (f) Connect the fuel tube (F).

- (1) Align the fuel tube connector with the pipe, then push the fuel tube connector in until the retainer makes a "click" sound to connect the fuel tube to the pipe.

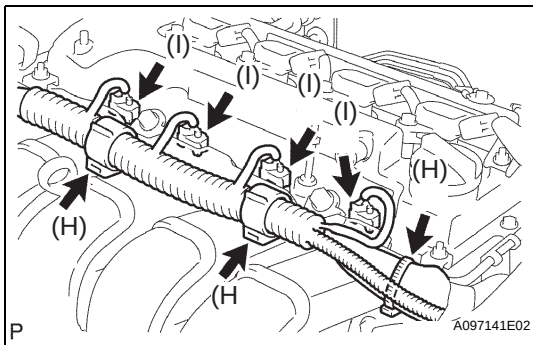
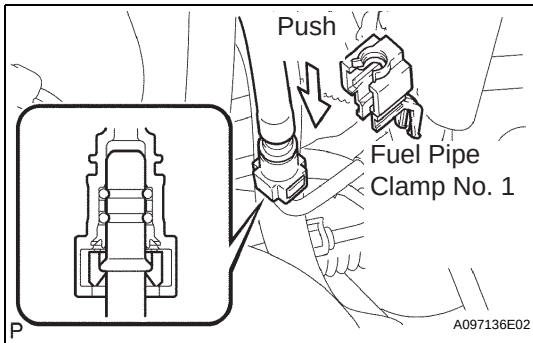
NOTICE:

- Check that there are no scratches or foreign objects around the connected part of the fuel tube connector and pipe before performing this work.
- After connecting the fuel tube, check that the fuel tube is securely connected by pulling the fuel tube connector.

- (g) Install the fuel pipe clamp No. 1 (G).

- (h) Install the 3 wire harness clamps (H).

- (i) Connect the 4 fuel injector connectors (I).

**3. CONNECT VENTILATION HOSE**

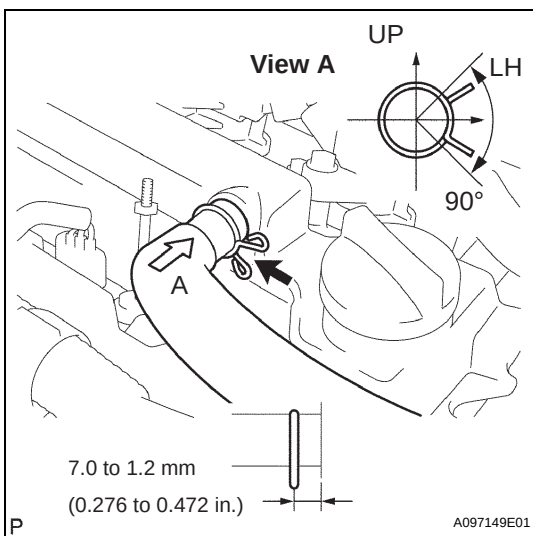
- (a) Connect the ventilation hose to the cylinder head cover.

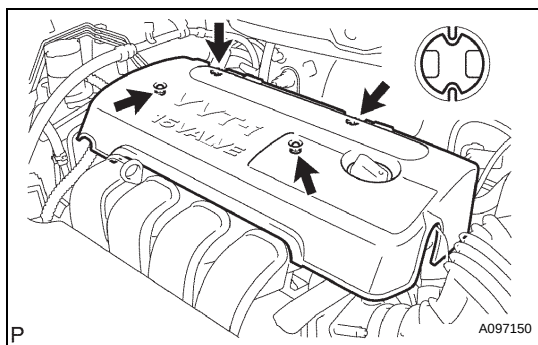
NOTICE:

Make sure that the hose clamp is at the correct angle when installing.

4. CONNECT BATTERY NEGATIVE TERMINAL

Torque: 5.4 N*m (55 kgf*cm, 48 in.*lbf)

5. INSPECT FOR FUEL LEAK (See page [FU-7](#))

**6. INSTALL NO. 2 CYLINDER HEAD COVER**

- (a) Install the No. 2 cylinder head cover with the 2 nuts and 2 clips.

Torque: 7.0 N*m (70 kgf*cm, 62 in.*lbf)