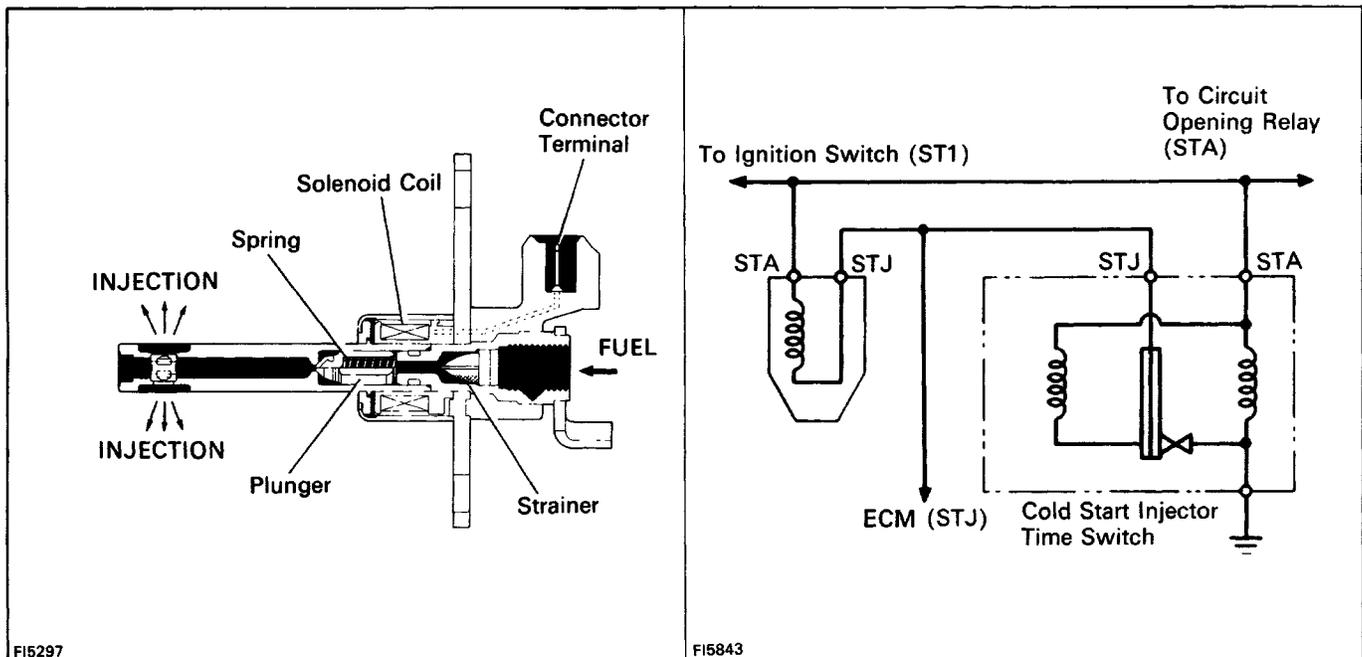
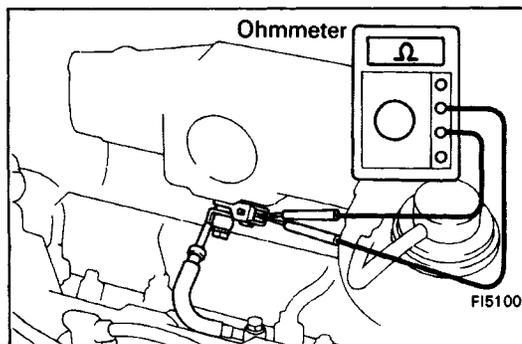


Cold Start Injector (3S-GTE)



FI5297

FI5843



FI5100

ON-VEHICLE INSPECTION

INSPECT RESISTANCE OF COLD START INJECTOR

- Remove the throttle body.
(See steps 1 to 8, 10 and 11 on pages [FI-194](#) and [195](#))
- Disconnect the cold start injector connector.
- Using an ohmmeter, measure the resistance between the terminals.

Resistance: 2 – 4Ω

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

- Reconnect the cold start injector connector.
- Reinstall the throttle body.
(See steps 2, 3 and 5 to 12 on pages [FI-197](#) and [198](#))

REMOVAL OF COLD START INJECTOR

1. REMOVE THROTTLE BODY

(See steps 1 to 8, 10 and 11 on pages [FI-173](#) and [174](#))

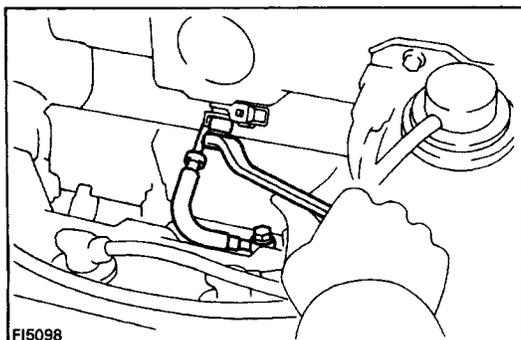
2. DISCONNECT COLD START INJECTOR CONNECTOR

3. REMOVE COLD START INJECTOR PIPE

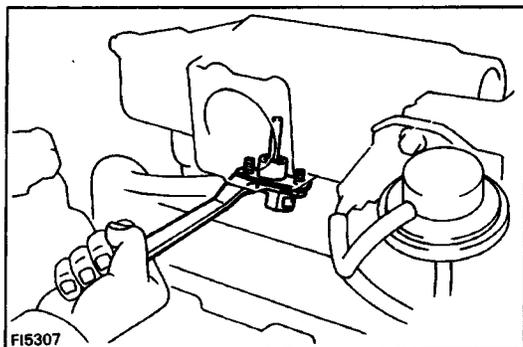
Remove the two union bolts and four gaskets and injector pipe.

HINT:

- Put a suitable container or shop towel under the injector pipe.
- Slowly loosen the union bolt.

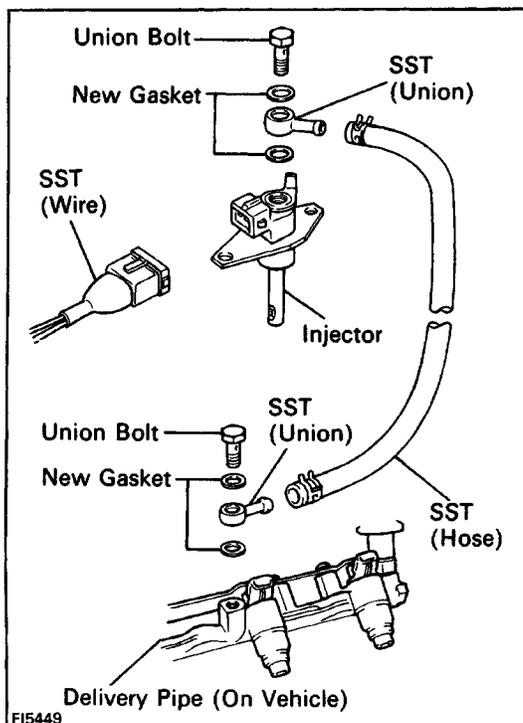


FI5098



4. REMOVE COLD START INJECTOR

Remove the two bolts, cold start injector and gasket.



INSPECTION OF COLD START INJECTOR

1. INSPECT INJECTION OF COLD START INJECTOR

CAUTION: Keep injector clear of sparks during the test.

(a) Install SST (two unions) to the injector and delivery pipe with four new gaskets and the union bolts.

SST 09268-41045 (09268-41080)

Torque: 12 N-m (125 kgf-cm, 9 ft-lbf)

(b) Connect SST (hose) to the unions.

SST 09268-41045

(c) Connect SST (wire) to the injector.

SST 09842-30050

(d) Put a container under the injector.

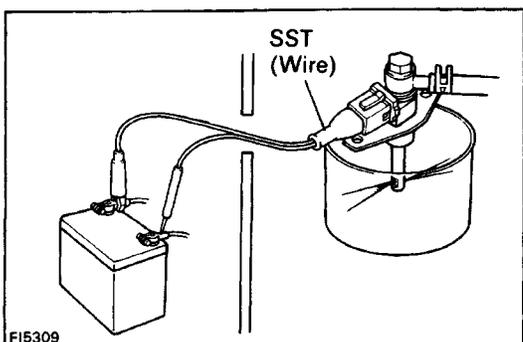
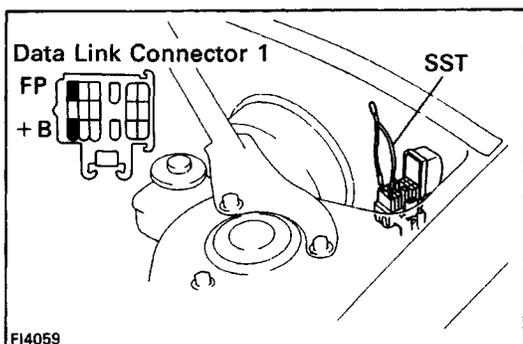
(e) Using SST, connect terminals +B and FP of the data link connector 1.

SST 09843-18020

(f) Reconnect the battery negative (-) cable.

(g) Turn the ignition switch ON.

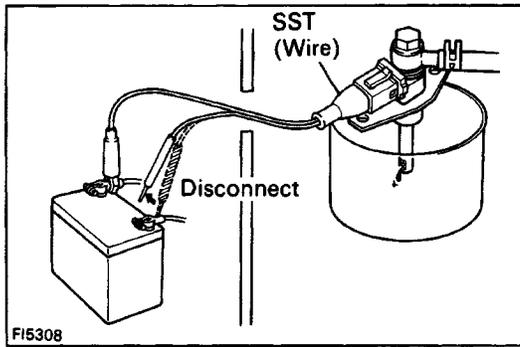
NOTICE: Do not start the engine.



(h) Connect the test probes of the SST (wire) to the battery, and check that the fuel spray is as shown.

SST 09842-30050

NOTICE: Perform this check within the shortest possible time.



FI5308

2. INSPECT LEAKAGE

- (a) In the condition above, disconnect the test probes of SST (wire) from the battery and check for fuel leakage from the injector.

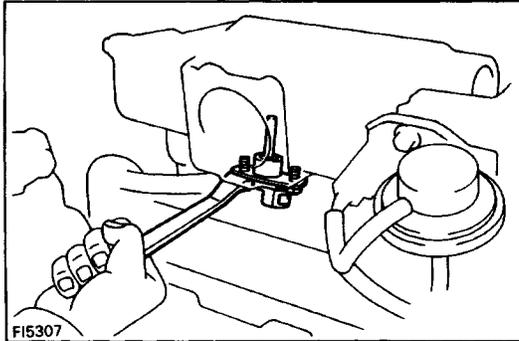
SST 09842-30050

Fuel drop: One drop or less per minute

- (b) Disconnect the battery negative (-) cable.

- (c) Remove SST.

SST 09268-41045, 09842-30050 and 09843-18020



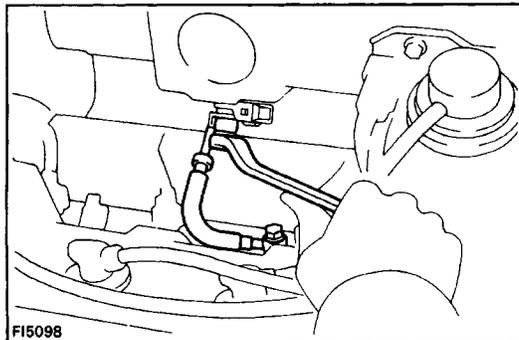
FI5307

INSTALLATION OF COLD START INJECTOR

1. INSTALL COLD START INJECTOR

Install a new gasket and the injector with the two bolts.

Torque: 5.9 N-m (60 kgf-cm, 52 in.-lbf)



FI5098

2. INSTALL COLD START INJECTOR PIPE

Install the injector pipe with four new gaskets and the two union bolts.

Torque: 12 N-m (125 kgf-cm, 9 ft-lbf)

3. CONNECT COLD START INJECTOR CONNECTOR

4. INSTALL THROTTLE BODY

(See steps 2, 3 and 5 to 12 on pages [FI-197](#) and 198)