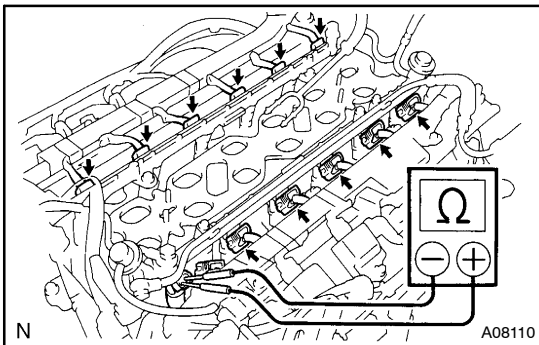


INJECTOR

ON-VEHICLE INSPECTION

SF115-01

1. **REMOVE INTAKE SURGE TANK LH AND RH WITH INTAKE AIR CONNECTOR** (See page EM-14)
 - (a) Remove the air cleaner inlet No.1 and V-tank cover.
 - (b) Remove the air cleaner assembly LH and RH with air flow meter.
 - (c) Remove the emission control valve set.
 - (d) Remove the throttle body LH and RH.
 - (e) Remove the idle-up No.2.
 - (f) Remove the vacuum transmitting pipe No.1 and No.2 with vacuum control valve set.
 - (g) Remove the intake surge tank LH and RH with intake air connector.



2. INSPECT INJECTOR RESISTANCE

- (a) Disconnect the 12 injector connectors.
- (b) 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.

- (c) Reconnect the 8 injector connectors.

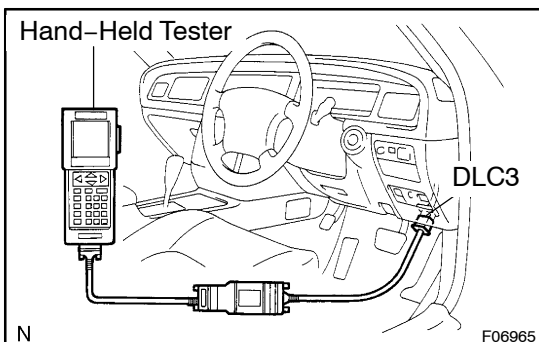
3. REMOVE INTAKE MANIFOLD WITH FUEL INJECTOR

(See page EM-14)

4. INSPECT INJECTOR INJECTION

NOTICE:

- When inspecting the injector, be sure that the intake manifold and fuel delivery pipe are assembled.
- Keep good ventilation and avoid heat or flame during inspection.

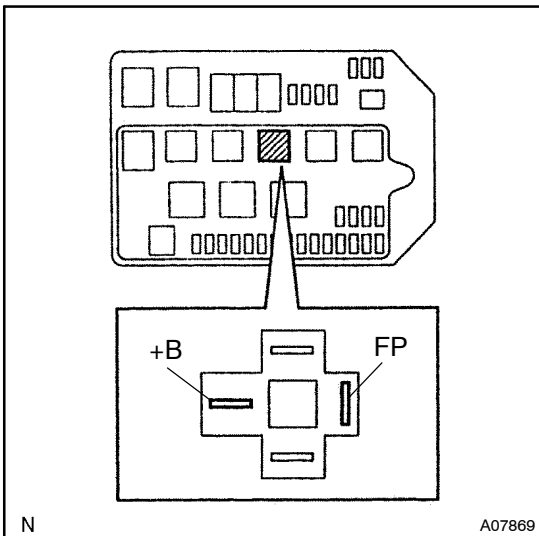


- (a) Connect the hand-held tester to the DLC3.
- (b) Turn the ignition switch ON and hand-held tester main switch ON.

NOTICE:

Do not start the engine.

- (c) Select the active test mode on the hand-held tester.
- (d) Please refer to the hand-held tester operator's manual for further details.



- (e) If you have no hand-held tester:
Remove the circuit opening relay in the engine room J/B and short between terminals FP and +B at J/B side.
- (f) Turn the ignition switch ON.
- (g) Place a graduated cylinder on the front of the injection.
- (h) 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: 60 – 73 cm³ (3.7 – 4.5 cu in.) per 15 sce.
**Difference between each injector:
13 cm³ (0.8 cu in.) or less.**

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

5. INSPECT LEAKAGE

- (a) In the condition above, disconnect the test 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 to LOCK.
- (c) Disconnect the negative (-) terminal cable from the battery.
- (d) Disconnect the hand-held tester from the DLC3.

6. REINSTALL INTAKE MANIFOLD WITH FUEL INJECTOR [\[See page EM-22\]](#)

7. REINSTALL INTAKE SURGE TANK LH AND RH WITH INTAKE AIR CONNECTOR [\[See page EM-22\]](#)

- (a) Install the intake surge tank LH and RH with intake air connector.
- (b) Install the vacuum transmitting pipe No.1 and No.2 with vacuum control valve set.
- (c) Install the idle-up pipe No.2.
- (d) Install the throttle body LH and RH.
- (e) Install the emission control valve set.
- (f) Install the air cleaner assembly LH and RH with air flow meter.
- (g) Install the V-bank cover and air cleaner inlet No.1.