

FUEL SYSTEM (Programmed Fuel Injection)

5. MAP Sensor Inspection

Replace the MAP sensor with a known good one (page 6-88).

Reset the ECM (page 6-9).

Turn the ignition switch ON and engine stop switch "Q".

Check the MAP sensor with the HDS.

Is DTC 1-1 indicated?

YES – Replace the ECM with a known good one, and recheck

NO – Faulty original MAP sensor

DTC 1-2 (MAP SENSOR HIGH VOLTAGE)

- Before starting the inspection, check for loose or poor contact on the MAP sensor connector and recheck the DTC.

1. MAP Sensor System Inspection 1

Turn the ignition switch ON and engine stop switch "Q".

Check the MAP sensor with the HDS.

Is about 5 V indicated?

YES – GO TO STEP 2.

NO – • Intermittent failure
• Loose or poor contact on the MAP sensor connector

2. MAP Sensor System Inspection 2

Turn the ignition switch OFF.

Disconnect the MAP sensor 3P connector. Connect the MAP sensor terminals at the wire harness side with a jumper wire.

Connection: Light green/yellow – Green/orange

Turn the ignition switch ON and engine stop switch "Q".

Check the MAP sensor with the HDS.

Is about 0 V indicated?

YES – Faulty MAP sensor

NO – GO TO STEP 3.

3. MAP Sensor Input Voltage Inspection

Turn the ignition switch OFF.

Remove the jumper wire.

Turn the ignition switch ON and engine stop switch "Q".

Measure the voltage at the wire harness side.

Connection: Yellow/red (+) – Green/orange (–)

Is the voltage within 4.75 – 5.25V?

YES – GO TO STEP 4.

NO – Open circuit in Green/orange wire

