

MIL TROUBLESHOOTING

MIL 1 BLINK (MAP SENSOR)

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

1. MAP Sensor Output Voltage Inspection

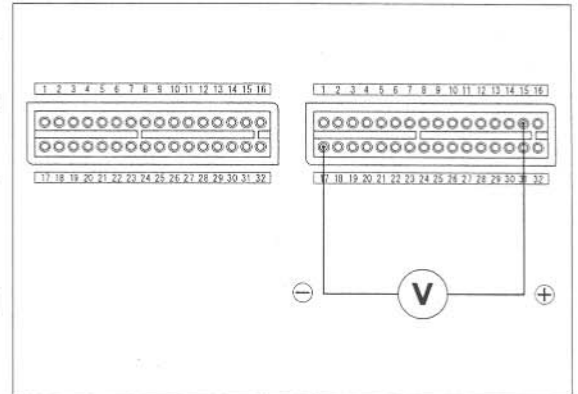
Turn the ignition switch OFF.
Connect the ECM test harness to ECM connectors (page 6-10).

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

Measure the voltage at the test harness terminals.

Is the voltage within 2.7 – 3.1V?

- YES** –
- Intermittent failure
 - Loose or poor contact on the ECM connectors
- NO** –
- About 5 V
GO TO STEP 2.
 - About 0 V
GO TO STEP 3.



2. MAP Sensor Output Line Inspection

Turn the ignition switch OFF.
Disconnect the MAP sensor 3P connector.

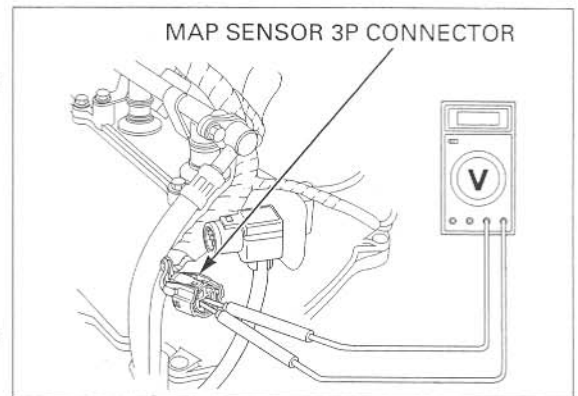
Turn the ignition switch ON and engine stop switch "Q".

Measure the voltage at the wire harness side.

Connection: Light green/yellow (+) – Green/orange (-)

Is the voltage within 4.75 – 5.25V?

- YES** – Faulty MAP sensor
- NO** –
- Open circuit in Light green/yellow wire
 - Open circuit in Green/orange wire



3. MAP Sensor Input Voltage Inspection

Measure the voltage at the wire harness side.

Connection: Yellow/red (+) – Ground (-)

Is the voltage within 4.75 – 5.25V?

- YES** – GO TO STEP 4.
- NO** – GO TO STEP 5.

