

MIL TROUBLESHOOTING

MIL 1 BLINK (MAP SENSOR)

- Before starting the inspection, check for loose or poor contact on the MAP sensor 3P (Black) connector and recheck the MIL blinking.

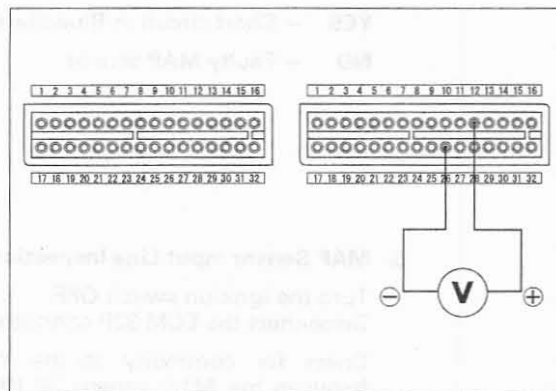
1. MAP Sensor Output Voltage Inspection

Turn the ignition switch OFF.
 Connect the ECM test harness to ECM connectors (page 6-11).
 Turn the ignition switch ON and engine stop switch "Q".
 Measure the voltage at the test harness terminals.

Connection: B12 (+) – B26 (-)

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

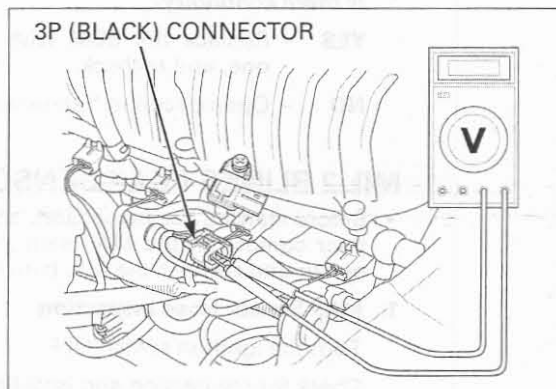
Turn the ignition switch OFF.
 Disconnect the MAP sensor 3P (Black) connector.

Turn the ignition switch ON and engine stop switch "Q".
 Measure the voltage at the wire harness side.

Connection: Blue/black (+) – Gray/black (-)

Is the voltage within 4.75 – 5.25V?

- YES** – Faulty MAP sensor
- NO** –
- Open circuit in Blue/black wire
 - Open circuit in Gray/black 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.

