

# MIL TROUBLESHOOTING

## MIL 1 BLINK (MAP SENSOR)

### 1. Recheck MIL Blinks

Erase the self diagnosis memory data from the ECM (page 6-15).

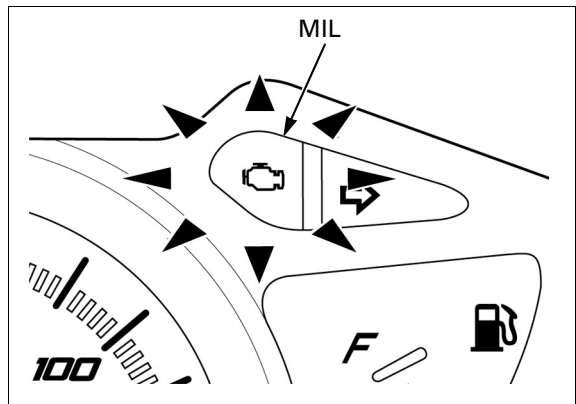
Turn the ignition switch "ON".

Check the MIL blinks.

**How many times does MIL blink?**

**1 and 8 or 1,8,9 all blinks** – GO TO SENSOR UNIT POWER/GROUND CIRCUIT INSPECTION (page 6-21).

**1 blink** – GO TO STEP 2.



### 2. MAP Sensor Input Voltage Inspection

Turn the ignition switch "OFF".

Disconnect the sensor unit 5P connector.

Turn the ignition switch "ON".

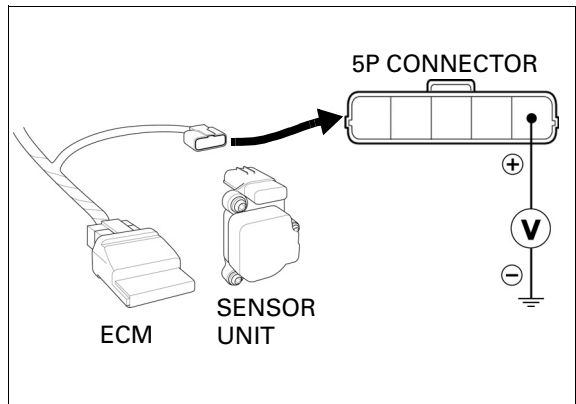
Measure the voltage between the sensor unit 5P connector of the wire harness side and ground.

**CONNECTION: Yellow/Red (+) – Ground (-)**  
**STANDARD: 3.8 – 5.25 V**

**Is the voltage within 3.8 – 5.25 V?**

**YES** – Replace the sensor unit with a new one, and recheck. (Faulty MAP sensor)

**NO** – GO TO STEP 3.



### 3. MAP Sensor Circuit Continuity Inspection

Turn the ignition switch "OFF".

Disconnect the ECM 33P connector.

Check for continuity between the sensor unit 5P connector and the ECM 33P connector of the wire harness side.

CONNECTION	STANDARD
Yellow/Red – Yellow/Red	Continuity

Check the continuity between the sensor unit 5P connector of the wire harness side and ground.

CONNECTION	STANDARD
Yellow/Red – Ground	No continuity

**Are the above inspections normal?**

**YES** – Replace the ECM with a new one, and recheck.

**NO** –

- Open circuit in Yellow/Red wire.
- Short circuit in Yellow/Red wire.

