

SENSOR UNIT POWER/GROUND CIRCUIT INSPECTION

MIL 1 and 8 BLINKS OR 1,8,9 ALL BLINKS (MAP, TP, IAT SENSOR)

1. Connector Inspection

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

Turn the ignition switch "OFF".

Disconnect the sensor unit 5P connector and ECM 33P connector.

Check for loose or poor contact on the sensor unit 5P connector and ECM 33P connector.

Connect the sensor unit 5P connector and ECM 33P connector.

Turn the ignition switch "ON".

Check if the MIL blinks.

Is the MIL blinking?

NO - Loose or poor contact on the sensor unit 5P connector and ECM 33P connector.

YES - GO TO STEP 2.

2. Sensor Unit 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.

CONNECTION: Yellow/Orange (+) - Green/Orange (-)

STANDARD: 4.75 - 5.25 V

Is the voltage within 4.75 - 5.25 V?

YES - Replace the sensor unit with a new one, and recheck.

NO - GO TO STEP 3.

3. Sensor Unit 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/Orange - Yellow/Orange	Continuity
Green/Orange - Green/Orange	

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

CONNECTION	STANDARD
Yellow/Orange - Ground	No continuity

Are the above inspections normal?

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

NO -

- Open circuit in Yellow/Orange wire.
- Open circuit in Green/Orange wire.
- Short circuit in Yellow/Orange wire.

