

**MIL 9 BLINKS (IAT SENSOR)**

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

**1. IAT 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.

**Connection:** B30 (+) -B17 (-)  
**Standard:** 2.7 – 3.1 V (20°C/68°F)

*Is the voltage within 2.7 – 3.1 V?*

- YES** –
- Intermittent failure
  - Loose or poor contact on the ECM connectors

**NO** – GO TO STEP 2.

**2. IAT Sensor Input Voltage Inspection**

Turn the ignition switch OFF.  
Disconnect the IAT sensor 2P connector.

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

**Connection:** Gray/blue – Green/orange

*Is the voltage within 4.75 – 5.25V?*

**YES** – GO TO STEP 3.

**NO** – GO TO STEP 4.

**3. IAT Sensor Resistance Inspection**

Turn the ignition switch OFF.  
Disconnect the IAT sensor 2P connector.  
Measure the resistance at the IAT sensor terminals (at 20 – 30 °C/68 – 86 °F).

**Standard:** 1 – 4 kΩ (20 – 30 °C/68 – 86 °F)

*Is the resistance within 1 – 4 kΩ?*

**NO** – Faulty IAT sensor

**YES** – GO TO STEP 4.

