

MASS AIR FLOW (MAF) SENSOR INSPECTION [LF]

B3E014013210W01

Note

- Before performing the following inspection, make sure to follow the procedure as indicated in the troubleshooting flowchart.

Visual Inspection

1. Visually inspect the MAF sensor for the following:

- Damage, cracks
- Rusted sensor terminal
- Bent sensor terminal
 - If there is any malfunction, replace the MAF sensor.
 - If the monitor item status/specification (reference) is not within the specification even though there is no malfunction, perform the "Circuit Open/Short Inspection".

Voltage Inspection

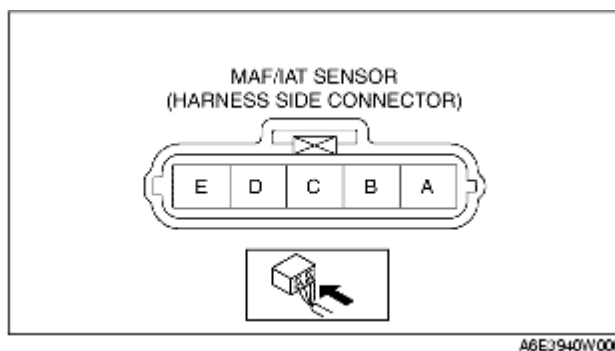
1. Remove the MAF/IAT sensor without disconnect the MAF/IAT sensor connector.

2. Turn the ignition switch to the ON position.

3. As the air gradually approaches the MAF detection part of the MAF/IAT sensor, verify that the voltage at PCM terminal 1AC (WDS PID: MAF) varies.

- If it cannot be verified even though the related harnesses have no malfunction, replace the MAF/IAT sensor.

Circuit Open/Short Inspection



1. Disconnect the PCM connector. (See [PCM REMOVAL/INSTALLATION \[LF\]](#).)
2. Disconnect the MAF sensor connector.
3. Inspect the following wiring harnesses for open or short. (Continuity check)

Open circuit

- If there is no continuity, the circuit is open. Repair or replace the harness.
 - MAF sensor terminal A and main relay terminal E
 - MAF sensor terminal B and PCM terminal 1BD
 - MAF sensor terminal C and PCM terminal 1AC

Short circuit

- If there is continuity, the circuit is shorted. Repair or replace the harness.
 - MAF sensor terminal A and body GND
 - MAF sensor terminal C and power supply
 - MAF sensor terminal C and body GND
 - MAF sensor terminal B and power supply