

MANIFOLD ABSOLUTE PRESSURE (MAP) SENSOR INSPECTION [LF]

B3E014018213W01

Note

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

Voltage Inspection

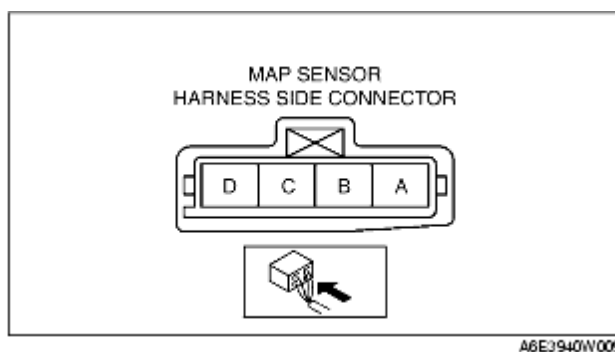
1. Remove the MAP sensor with the connector still connected. (See [MANIFOLD ABSOLUTE PRESSURE \(MAP\) SENSOR REMOVAL/INSTALLATION \[LF\]](#).)
2. Remove the vacuum hose of the MAP sensor.
3. Verify that the voltage at PCM terminal 2AL is within the specification when the ignition switch is turned to the ON position.
 - If not within the specification, replace the MAP sensor.

Voltage
2.69-4.37 V

4. Install the vacuum pump.
5. Turn the ignition switch to the ON position.
6. Verify that change in voltage is within the specification when a vacuum of **30 kPa {225 mmHg, 8.86 inHg}** is applied using a vacuum pump.
 - If not within the specification, replace the MAP sensor.

Voltage variance
1.16-1.27 V

Circuit Open/Short Inspection



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

Open circuit

- If there is no continuity, the circuit is open. Repair or replace the harness.
- MAP sensor terminal A and PCM terminal 2AA
- MAP sensor terminal D and PCM terminal 2AL
- MAP sensor terminal C and PCM terminal 2W

Short circuit

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