

# BAROMETRIC PRESSURE (BARO) SENSOR INSPECTION [ZJ, Z6]

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B3E014018210W03

## Note

- Before performing the following inspection, make sure to follow the procedure as indicated in the troubleshooting flowchart. (See [Troubleshooting Procedure](#).)

## Voltage Inspection

1. Remove the BARO sensor with the connector still connected.
2. Remove the BARO sensor hose.
3. Turn the ignition switch to the ON position.
4. Verify that the BARO sensor output voltage (WDS PID: BARO) is within the specification. (See [PCM INSPECTION \[ZJ, Z6\]](#).)
  - If not within the specification even though the related wiring harnesses have no malfunction, replace the BARO sensor.
5. Install the vacuum pump to the BARO sensor.
6. Verify that the change in the BARO sensor output voltage (WDS PID: BARO) is within the specification when a vacuum of **30 kPa {0.30 kgf/cm<sup>2</sup>, 4.4 psi}** is applied.
  - If not within the specification, replace the BARO sensor.

**BARO sensor output voltage variance**  
**0.5-0.7 V**

## Note

- The voltage shown in the figure may vary excessively depending on the weather or battery conditions.

## Circuit Open/Short Inspection

1. Remove the PCM connector cover.
2. Disconnect the PCM connector. (See [INTAKE-AIR SYSTEM REMOVAL/INSTALLATION \[ZJ, Z6\]](#).)
3. Inspect the following wiring harness for open or short circuit (continuity check).

**Open circuit**

- If there is no continuity, there is an open circuit. Repair or replace the wiring harness.
- BARO sensor terminal C and PCM terminal 2W
- BARO sensor terminal A and PCM terminal 2AX
- BARO sensor terminal B and PCM terminal 2S

**Short circuit**

- If there is continuity, there is a short circuit. Repair or replace the wiring harness.
- BARO sensor terminal C and body GND
- BARO sensor terminal A and body power supply
- BARO sensor terminal B and body GND
- BARO sensor terminal B and body power supply