

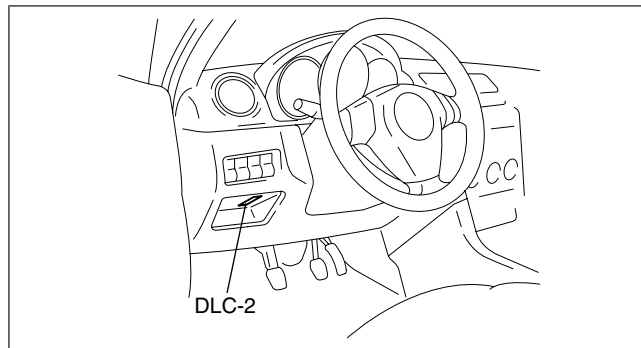
MANIFOLD ABSOLUTE PRESSURE (MAP) SENSOR INSPECTION[L3 Turbo]

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Note

- Perform the following inspection only when directed.
- The following vacuum values are indicated by relative pressure from the MAP sensor.

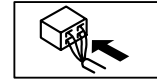
1. Connect the M-MDS to the DLC-2.
2. Turn the ignition switch to ON (Engine off).
3. Select MAP PID on the M-MDS.
4. Verify that the MAP PID (pressure) and barometric pressure are practically equal.
 - If not as verified, perform the "Circuit Open/Short Inspection".
 - If there is no open or short circuit, replace the MAP sensor.
 - If as verified, go to next step.
5. Apply vacuum of **-25.0 kPa {-187 mmHg, -7.38 inHg}** to the MAP sensor, and verify that the MAP variation from that of Step 4 is **approx. 25.0 kPa {187 mmHg, 7.38 inHg}**.
 - If not as verified, perform the "Circuit Open/Short inspection".
 - If there is no open or short circuit, replace the barometric pressure sensor. (See INTAKE AIR SYSTEM REMOVAL/INSTALLATION[L3 Turbo].)



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Circuit Open/Short Inspection

MAP/BOOST AIR
TEMPERATURE SENSOR
WIRING HARNESS SIDE CONNECTOR

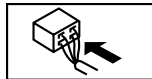


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PCM
WIRING HARNESS-SIDE CONNECTOR

2BE	2BA	2AW	2AS	2AO	2AK	2AG	2AC	2Y	2U	2Q	2M	2I	2E	2A
2BF	2BB	2AX	2AT	2AP	2AL	2AH	2AD	2Z	2V	2R	2N	2J	2F	2B
2BG	2BC	2AY	2AU	2AQ	2AM	2AI	2AE	2AA	2W	2S	2O	2K	2G	2C
2BH	2BD	2AZ	2AV	2AR	2AN	2AJ	2AF	2AB	2X	2T	2P	2L	2H	2D

1BE	1BA	1AW	1AS	1AO	1AK	1AG	1AC	1Y	1U	1Q	1M	1I	1E	1A
1BF	1BB	1AX	1AT	1AP	1AL	1AH	1AD	1Z	1V	1R	1N	1J	1F	1B
1BG	1BC	1AY	1AU	1AQ	1AM	1AI	1AE	1AA	1W	1S	1O	1K	1G	1C
1BH	1BD	1AZ	1AV	1AR	1AN	1AJ	1AF	1AB	1X	1T	1P	1L	1H	1D



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1. Disconnect the PCM connector. (See PCM REMOVAL/INSTALLATION[L3 Turbo].)
2. Inspect the following wiring harnesses for an open or short circuit. (Continuity check)

Open circuit

- If there is no continuity, there is an open circuit. Repair or replace the wiring harness.
 - MAP/boost air temperature sensor terminal A and PCM terminal 2AV
 - MAP/boost air temperature sensor terminal C and PCM terminal 2AU
 - MAP/boost air temperature sensor terminal D and PCM terminal 2AG

Short circuit

- If there is continuity, there is a short circuit. Repair or replace the wiring harness.
 - MAP/boost air temperature sensor terminal A and power supply.
 - MAP/boost air temperature sensor terminal C and body ground.
 - MAP/boost air temperature sensor terminal D and power supply.
 - MAP/boost air temperature sensor terminal D and body ground