P0108 Manifold Absolute Pressure Circuit High Input

DTC Detecting Condition and Trouble Area

DTC detecting condition	Trouble area
Manifold absolute pressure sensor output voltage is higher than specified value for specified time. (1 driving cycle detection logic)	• Manifold absolute pressure sensor circuit • Manifold absolute pressure sensor • A/C refrigerant pressure sensor (if equipped with A/C) •ECM

DTC Confirmation Procedure

1) Connect scan tool to DLC with ignition switch turned OFF.
2) Turn ON ignition switch and clear DTC using scan tool and warm up engine completely.
3) Run engine at idle speed for 1 min.
4) Check DTC and pending DTC.

DTC Troubleshooting

Step	Action	Yes	No
1	Was "Engine and Emission Control System Check" performed?	Go to Step 2.	Go to "Engine and Emission Control System Check".
2	MAP sensor and its circuit check 1) Connect scan tool to DLC with ignition switch OFF. 2) Turn ignition switch ON. 3) Check intake manifold pressure displayed on scan tool. Is it 127 kPa (37.5 in.Hg)?	Go to Step 3.	Intermittent trouble. Check for intermittent referring to "Intermittent and Poor Connection Inspection in Section 00".

Step	Action	Yes	No
3	MAP sensor power supply voltage check 1) Disconnect connector from MAP sensor with ignition switch turned OFF. 2) Check for proper connection of MAP sensor at "GRY/ RED", "RED/BLK" and "GRY/BLU" wire terminals. 3) Turn ON ignition switch, measure voltage between engine ground and "GRY/RED" wire terminal of MAP sensor connector. Is voltage 4 – 6 V?	Go to Step 5.	Go to Step 4.
4	MAP sensor power supply circuit check 1) Disconnect connectors from A/C refrigerant pressure sensor (if equipped with A/C) with ignition switch turned OFF. 2) Turn ON ignition switch, measure voltage between engine ground and "GRY/RED" wire terminal of MAP sensor connector. Is voltage 4 – 6 V?	Faulty A/C refrigerant pressure sensor (if equipped with A/C).	"GRY/RED" wire is open or shorted to power circuit.
5	MAP sensor ground circuit check 1) Measure resistance between "GRY/BLU" wire terminal of MAP sensor connector and engine ground with ignition switch turned OFF. Is resistance below 5 Ω?	Go to Step 7.	Go to Step 6.

Step	Action	Yes	No
6	Ground circuit check 1) Measure resistance between "C01-55" terminal of ECM connector and vehicle body ground. Is resistance below 5 Ω?	"GRY/BLU" wire is open or high resistance circuit.	ECM grounds "C01-58", "C01-15", "C01-30" and/ or "E01-31" circuit are open or high resistance. If wires are OK, substitute a known-good ECM and recheck.
7	MAP sensor signal circuit check 1) Turn ON ignition switch. 2) Measure voltage between "RED/BLK" wire terminal of MAP sensor connector and engine ground. Is voltage 4 – 6 V?	Go to Step 9.	Go to Step 8.
8	MAP sensor signal circuit check 1) Disconnect connectors from ECM with ignition switch turned OFF. 2) Measure resistance between "RED/BLK" wire terminal of MAP sensor connector and "C01-53" terminal of ECM connector. Is resistance below 2 Ω?	"RED/BLK" wire is shorted to power supply circuit.	"RED/BLK" wire is open or high resistance circuit.
9	MAP sensor output signal check 1) Check MAP sensor according to "Manifold Absolute Pressure (MAP) Sensor Inspection (If Equipped) in Section 1C". Is it in good condition?	Substitute a known-good ECM and recheck.	Faulty MAP sensor.