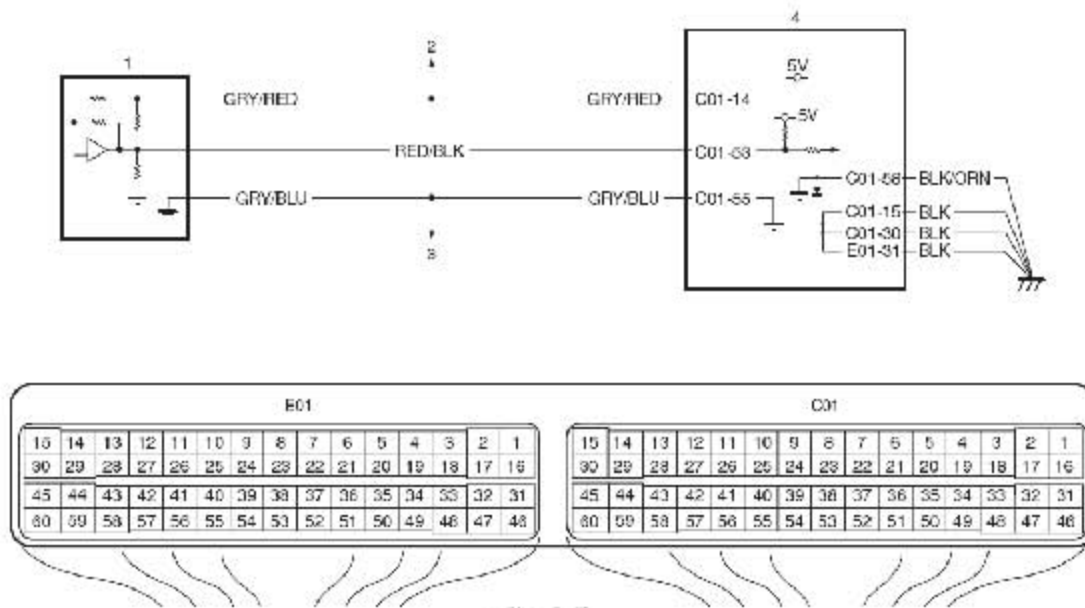


P0106 Manifold Absolute Pressure Range Performance

Wiring Diagram



1. Manifold absolute pressure sensor	3. To other sensors
2. To A/C refrigerant pressure sensor (if equipped with A/C)	4. ECM

DTC Detecting Condition and Trouble Area

DTC detecting condition	Trouble area
<ul style="list-style-type: none"> • Difference between Max. manifold absolute pressure value and Min. manifold pressure value is less than specified value when engine running at idle speed. • Difference between barometric pressure value and manifold pressure value is less than specified value for 5 sec. at 2000 r/min. or more with acceleration pedal off condition. (2 driving cycle detection logic) 	<ul style="list-style-type: none"> • Manifold absolute pressure sensor • Manifold absolute pressure sensor vacuum passage • Air intake system • ECM

DTC Confirmation Procedure

- 1) Connect scan tool to DLC with ignition switch 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 turned OFF. 2) Turn ON ignition switch. 3) Check DTC. Is there DTC P0107 or DTC P0108?	Go to applicable DTC diag. flow.	Go to Step 3.
3	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?	Go to Step 4.	Faulty MAP sensor.
4	MAP sensor circuit check 1) Check MAP sensor circuit referring to Step 3 to 6 of "DTC P0107: Manifold Absolute Pressure Circuit Low Input" or Step 3 to 8 of "DTC P0108: Manifold Absolute Pressure Circuit High Input". Is circuit in good condition?	Go to Step 5.	Repair or replace.
5	Air intake system check 1) Check air intake system for clog or leak. Is it in good condition?	Substitute a known-good ECM and recheck.	Repair or replace.