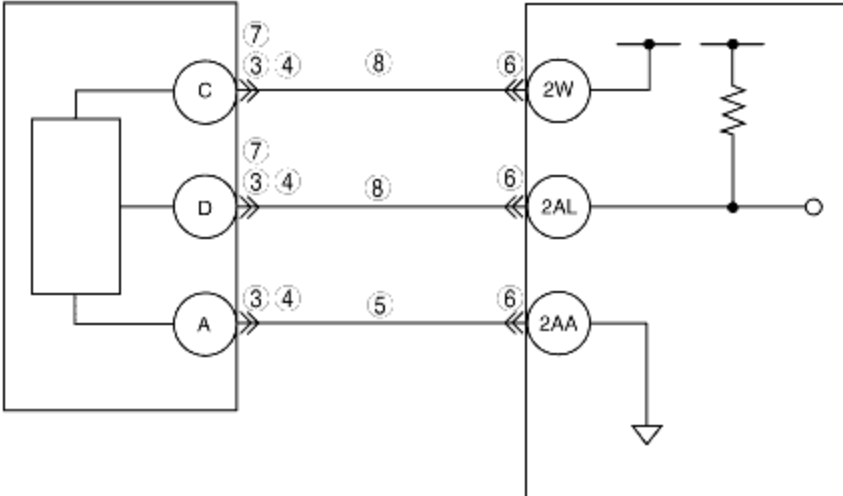
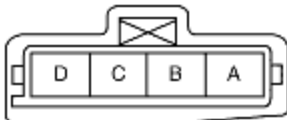

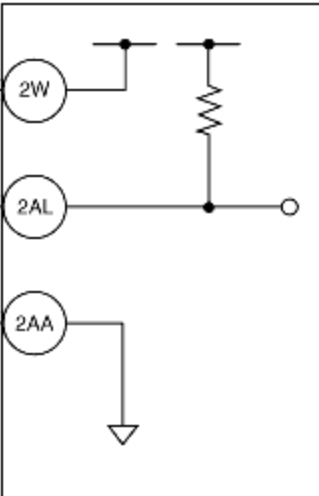
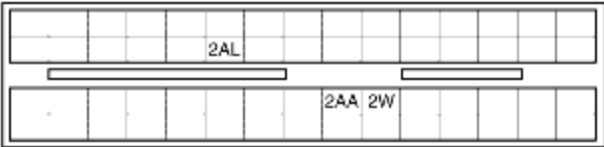



## DTC P0108 [LF]

B3E010201084W09

DTC P0108	MAP sensor circuit high input
<b>DETECTION CONDITION</b>	<ul style="list-style-type: none"> <li>The PCM monitors the input voltage from the MAP sensor when the intake air temperature is <b>above 10 °C {50 °F}</b>. If input the voltage at PCM terminal 2AL is <b>above 4.9V</b>, the PCM determines that the MAP sensor circuit has malfunction.</li> <li><b>Diagnostic support note</b></li> <li>This is a continuous monitor (CCM).</li> <li>The MIL illuminates if the PCM detects the above malfunction condition during first drive cycle.</li> <li>PENDING CODE is available if the PCM detects the above malfunction condition.</li> <li>FREEZE FRAME DATA is available.</li> <li>DTC is stored in the PCM memory.</li> </ul>
<b>POSSIBLE CAUSE</b>	<ul style="list-style-type: none"> <li>MAP sensor malfunction</li> <li>Connector or terminal malfunction</li> <li>Open circuit in wiring harness between MAP sensor terminal A and PCM terminal 2AA</li> <li>Open circuit in wiring harness between MAP sensor terminal D and PCM terminal 2AL</li> <li>MAP sensor signal circuit shorts to constant voltage supply circuit</li> <li>PCM malfunction</li> </ul>
<div style="display: flex; justify-content: space-around; align-items: flex-start;"> <div style="text-align: center;"> <p>MAP SENSOR</p>  <p>MAP SENSOR WIRING HARNESS-SIDE CONNECTOR</p>   </div> <div style="text-align: center;"> <p>PCM</p>  <p>PCM WIRING HARNESS-SIDE CONNECTOR</p>   </div> </div>	

### Diagnostic procedure

STEP	INSPECTION	ACTION
1	<b>VERIFY FREEZE FRAME DATA HAS BEEN RECORDED</b> • Has FREEZE FRAME DATA been recorded?	Yes Go to the next step.
		No Record the FREEZE FRAME DATA on the repair order, then go to the next step.

2	<b>VERIFY RELATED REPAIR INFORMATION AVAILABILITY</b> <ul style="list-style-type: none"> <li>• Verify related service repair information availability.</li> <li>• Is any related repair information available?</li> </ul>	Yes	Perform repair or diagnosis according to the available repair information. • If the vehicle is not repaired, go to the next step.
		No	Go to the next step.
3	<b>INSPECT CONNECTION OF MAP SENSOR CONNECTOR</b> <ul style="list-style-type: none"> <li>• Turn the ignition switch off.</li> <li>• Verify that the MAP sensor connector is connected securely.</li> <li>• Is connection normal?</li> </ul>	Yes	Go to the next step.
		No	Reconnect the connector, then go to Step 9.
4	<b>INSPECT POOR CONNECTION OF MAP SENSOR CONNECTOR</b> <ul style="list-style-type: none"> <li>• Disconnect the MAP sensor connector.</li> <li>• Inspect for poor connection (such as damaged/pulled-out pins, corrosion).</li> <li>• Is there any malfunction?</li> </ul>	Yes	Repair or replace the terminal, then go to Step 9.
		No	Go to the next step.
5	<b>VERIFY MAP SENSOR GROUND CIRCUIT FOR OPEN CIRCUIT</b> <ul style="list-style-type: none"> <li>• Inspect for continuity between the MAP sensor terminal A (wiring harness-side) and body ground.</li> <li>• Is there continuity?</li> </ul>	Yes	Go to the next step.
		No	Inspect for open circuit in wiring harness between PCM terminal 2AA (wiring harness-side) and MAP sensor terminal A (wiring harness-side). Repair or replace suspected harness, then go to Step 9.
6	<b>INSPECT PCM CONNECTOR</b> <ul style="list-style-type: none"> <li>• Disconnect the PCM connector.</li> <li>• Inspect for poor connection at terminals (such as damaged/pulled-out pins, corrosion).</li> <li>• Is there any malfunction?</li> </ul>	Yes	Repair the terminal, then go to Step 9.
		No	Go to the next step.
7	<b>VERIFY MAP SENSOR SIGNAL CIRCUIT FOR SHORT TO CONSTANT VOLTAGE CIRCUIT</b> <ul style="list-style-type: none"> <li>• Inspect for continuity between MAP sensor terminal D and C (wiring harness-side).</li> <li>• Is there continuity?</li> </ul>	Yes	Repair or replace the wiring harness, then go to Step 9.
		No	Go to the next step.
8	<b>VERIFY MAP SENSOR SIGNAL CIRCUIT FOR OPEN CIRCUIT</b> <ul style="list-style-type: none"> <li>• Inspect for continuity between MAP sensor terminal D (wiring harness-side) and PCM terminal 2AL (wiring harness-side).</li> <li>• Is there continuity?</li> </ul>	Yes	Go to the next step.
		No	Repair or replace the wiring harness, then go to the next step.
9	<b>VERIFY TROUBLESHOOTING OF DTC P0108 COMPLETED</b> <ul style="list-style-type: none"> <li>• Make sure to reconnect all disconnected connectors.</li> <li>• Turn the ignition switch to the ON position (Engine off).</li> <li>• Clear the DTC from the memory using the WDS or equivalent.</li> <li>• Start the engine.</li> <li>• Is the same DTC present?</li> </ul>	Yes	Replace the PCM, then go to the next step. (See <a href="#">PCM REMOVAL/INSTALLATION [LF]</a> .)
		No	Go to the next step.
10	<b>VERIFY AFTER REPAIR PROCEDURE</b> <ul style="list-style-type: none"> <li>• Perform "After Repair Procedure". (See <a href="#">AFTER REPAIR PROCEDURE [LF]</a>.)</li> <li>• Are any DTC present?</li> </ul>	Yes	Go to the applicable DTC troubleshooting. (See <a href="#">DTC TABLE [LF]</a> .)
		No	Troubleshooting completed.