

## DTC P0125 [ZJ, Z6]

B3E010200100W11

DTC P0125	Insufficient coolant temperature for closed loop fuel control
<b>DETECTION CONDITION</b>	<ul style="list-style-type: none"> <li>The PCM monitors the ECT after cold engine start. If the ECT does not reach the specification in a certain period, the PCM determines that the engine coolant temperature for closed loop fuel control is insufficient.</li> </ul> <b>Diagnostic support note</b> <ul style="list-style-type: none"> <li>This is a continuous monitor (CCM).</li> <li>The MIL illuminates if the PCM detects the above malfunction condition in two consecutive drive cycles or in one drive cycle while the DTC for the same malfunction has been stored in the PCM.</li> <li>PENDING CODE is available if the PCM detects the above malfunction condition during the first drive cycle.</li> <li>FREEZE FRAME DATA is available.</li> <li>The DTC is stored in the PCM memory.</li> </ul>
<b>POSSIBLE CAUSE</b>	<ul style="list-style-type: none"> <li>ECT sensor malfunction</li> <li>MAF sensor malfunction</li> <li>PCM malfunction</li> </ul>

### Diagnostic procedure

STEP	INSPECTION	ACTION
1	<b>VERIFY FREEZE FRAME DATA HAS BEEN RECORDED</b> <ul style="list-style-type: none"> <li>Has FREEZE FRAME DATA been recorded?</li> </ul>	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>VERIFY CURRENT INPUT SIGNAL STATUS: IS CONCERN INTERMITTENT OR CONSTANT?</b> <ul style="list-style-type: none"> <li>Connect the WDS or equivalent to the DLC-2.</li> <li>Start the engine and warm it up completely.</li> <li>Access the ECT PID.</li> <li>Is the ECT PID <b>more than 70 °C {158 ° F}</b>?</li> </ul>	Yes Intermittent concern exists. Perform the "INTERMITTENT CONCERNS TROUBLESHOOTING". (See <a href="#">INTERMITTENT CONCERN TROUBLESHOOTING [ZJ, Z6]</a> .)
		No Go to the next step.
4	<b>INSPECT ECT SENSOR</b> <ul style="list-style-type: none"> <li>Inspect the ECT sensor. (See <a href="#">ENGINE COOLANT TEMPERATURE (ECT) SENSOR INSPECTION [ZJ, Z6]</a>.)</li> <li>Is there any malfunction?</li> </ul>	Yes Replace the ECT sensor, then go to Step 6. (See <a href="#">ENGINE COOLANT TEMPERATURE (ECT) SENSOR REMOVAL/INSTALLATION [ZJ, Z6]</a> .)
		No Go to the next step.
5	<b>INSPECT MAF SENSOR</b> <ul style="list-style-type: none"> <li>Inspect the MAF sensor. (See <a href="#">MASS AIR FLOW (MAF) SENSOR INSPECTION [ZJ, Z6]</a>.)</li> <li>Is there any malfunction?</li> </ul>	Yes Replace the MAF/IAT sensor, then go to the next step. (See <a href="#">MASS AIR FLOW (MAF)/INTAKE AIR TEMPERATURE (IAT) SENSOR REMOVAL/INSTALLATION [ZJ, Z6]</a> .)
		No Go to the next step.
	<b>VERIFY TROUBLESHOOTING OF DTC</b>	

6	<b>P0125 COMPLETED</b> <ul style="list-style-type: none"> <li>• Make sure to reconnect all disconnected connectors.</li> <li>• Clear the DTC from the PCM memory using the WDS or equivalent.</li> <li>• Access the ECT PID.</li> <li>• Wait until the ECT PID is <b>less than 20 °C {68 °F}</b>.</li> <li>• Start the engine and warm it up completely.</li> <li>• Is the PENDING CODE for this DTC present?</li> </ul>	Yes	Replace the PCM, then go to the next step. (See <a href="#">PCM REMOVAL/INSTALLATION [ZJ, Z6]</a> .)
		No	Go to the next step.
7	<b>VERIFY AFTER REPAIR PROCEDURE</b> <ul style="list-style-type: none"> <li>• Perform the "AFTER REPAIR PROCEDURE".</li> </ul> (See <a href="#">AFTER REPAIR PROCEDURE [ZJ, Z6]</a> .) <ul style="list-style-type: none"> <li>• Are any DTCs present?</li> </ul>	Yes	Go to the applicable DTC inspection. (See <a href="#">DTC TABLE [ZJ, Z6]</a> .)
		No	DTC troubleshooting completed.