

## DTC P0327 [ZJ, Z6]

B3E010200300W03

DTC P0327	KS circuit low input
<b>DETECTION CONDITION</b> <ul style="list-style-type: none"> <li>The PCM monitors the input signal from the KS when the engine is running. If the input voltage at PCM terminal 2BA is <b>less than 1.25 V</b>, the PCM determines that the KS circuit has a 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 in the 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>The DTC is stored in the PCM memory.</li> </ul>	
<b>POSSIBLE CAUSE</b> <ul style="list-style-type: none"> <li>KS malfunction</li> <li>Connector or terminal malfunction</li> <li>Short to GND in wiring harness between KS terminal A and PCM terminal 2BA</li> <li>PCM malfunction</li> </ul>	

### 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> • Verify related service repair information availability.	Yes	Perform repair or diagnosis according to the available repair information. • If the vehicle is not repaired, go to the next step.

	• Is any related repair information available?	No	Go to the next step.
3	<b>INSPECT KS CONNECTOR FOR POOR CONNECTION</b> <ul style="list-style-type: none"> <li>• Turn the ignition switch off.</li> <li>• Disconnect the KS 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 7.
		No	Go to the next step.
4	<b>INSPECT KS SIGNAL CIRCUIT FOR SHORT TO GND</b> <ul style="list-style-type: none"> <li>• Turn the ignition switch off.</li> <li>• Inspect for continuity between KS terminal A (wiring harness-side) and body GND.</li> <li>• Is there continuity?</li> </ul>	Yes	Repair or replace the wiring harness for a possible short to GND, then go to Step 7.
		No	Go to the next step.
5	<b>INSPECT KS</b> <ul style="list-style-type: none"> <li>• Inspect the KS.</li> </ul> (See <a href="#">KNOCK SENSOR (KS) INSPECTION [ZJ, Z6].</a> ) <ul style="list-style-type: none"> <li>• Is there any malfunction?</li> </ul>	Yes	Replace the KS, then go to Step 7. (See <a href="#">KNOCK SENSOR (KS) REMOVAL/INSTALLATION [ZJ, Z6].</a> )
		No	Go to the next step.
6	<b>INSPECT PCM CONNECTOR FOR POOR CONNECTION</b> <ul style="list-style-type: none"> <li>• Turn the ignition switch off.</li> <li>• Disconnect the PCM 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 the next step.
		No	Go to the next step.
7	<b>VERIFY TROUBLESHOOTING OF DTC P0327 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>• 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 [ZJ, Z6].</a> )
		No	Go to the next step.
8	<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.