

## DTC P0500 [ZJ, Z6]

B3E010200500W01

DTC P0500	VSS circuit problem
<b>DETECTION CONDITION</b>	<ul style="list-style-type: none"> <li>The PCM monitors the vehicle speed from the ABS HU/CM or DSC HU/CM. If the PCM does not receive the input vehicle speed signal, the PCM determines that there is a VSS circuit problem.</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>VSS circuit 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 STORED DTC IN ABS HU/CM OR DSC HU/CM</b> <ul style="list-style-type: none"> <li>Turn the ignition switch to the ON position (Engine off).</li> <li>Verify stored DTCs in ABS HU/CM or DSC HU/CM.</li> <li>(See <a href="#">ON-BOARD DIAGNOSIS [ABS]</a>.)</li> <li>(See <a href="#">ON-BOARD DIAGNOSIS [DSC (DYNAMIC STABILITY CONTROL)]</a>.)</li> <li>Are DTCs stored?</li> </ul>	Yes Go to the appropriate DTC inspection. (See <a href="#">DTC Table</a> ) (See <a href="#">DTC Table</a> .)
		No Go to the next step.
4	<b>VERIFY TROUBLESHOOTING OF DTC P0500 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 PENDING CODE for this DTC present?</li> </ul>	<b>MTX</b> Replace the PCM, then go to the next step. (See <a href="#">PCM REMOVAL/INSTALLATION [ZJ, Z6]</a> .) <b>ATX</b>  <b>Note</b>  <ul style="list-style-type: none"> <li>Possible VSS circuit problem related to ATX control.</li> </ul> Go to DTC inspection for ATX control. (See <a href="#">DTC P0500 [FN4A-EL]</a> .)
		No Go to the next step.

5	<b>VERIFY AFTER REPAIR PROCEDURE</b> <ul style="list-style-type: none"><li>• Perform the "AFTER REPAIR PROCEDURE". (See <a href="#">AFTER REPAIR PROCEDURE [ZJ, Z6]</a>.)</li><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.