2004 Chevy Truck Avalanche 1500 2WD V8-5.3L VIN T
Vehicle > ALL Diagnostic Trouble Codes (DTC) > Testing and Inspection > C Code Charts > C0223

WITH RPO JL4

DTC C0221-C0227 (W/JL4)

Test 1-4

<table>
<thead>
<tr>
<th>Step</th>
<th>Action</th>
<th>Yes</th>
<th>No</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Did you perform the ABS Diagnostic System Check?</td>
<td>Go to Step 2</td>
<td>Go to Diagnostic System Check - ABS</td>
</tr>
</tbody>
</table>
| 2    | 1. Use a scan tool in order to clear the DTC.
2. Use the scan tool in order to perform the necessary Solenoid Tests. Refer to Scan Tool Output Control. | Do the Solenoid Tests show the system to be functioning normally? | Go to Diagnostic Aids | Go to Step 3 |
| 3    | Replace the BPMV. Refer to Brake Pressure Modulator Valve (BPMV) Replacement | Did you complete the replacement? | Go to Step 4 | —— |
| 4    | Use the scan tool in order to perform the necessary Solenoid Tests. Do the Solenoid Tests show the system to be functioning normally? | System OK | Go to Step 3 |

Circuit Description
The system relay is energized when the ignition is ON. The system relay supplies voltage to the valve solenoids and the pump motor. This voltage is referred to as the system voltage. The Electronic Brake Control Module (EBCM) microprocessor activates the valve solenoids by grounding the control circuit.

Conditions for Running the DTC
^ The ignition is ON.
^ The vehicle is experiencing an ABS event.

Conditions for Setting the DTC
The EBCM energizes the right, front dump valve for 9 consecutive seconds.

Action Taken When the DTC Sets
^ The EBCM disables the ABS/DRP/VSES.
^ The TCS operates with engine torque reduction only.
^ The ABS indicator turns ON.
^ The brake warning indicator turns ON.
^ The message center displays the service stability system message.

**Conditions for Clearing the DTC**
The conditions for setting the DTC are no longer present and you use the scan tool Clear DTCs function.

**Diagnostic Aids**
The most likely cause of this DTC is a mechanical failure that causes a wheel to lock and remain locked. The DTCs may also set, conceivably, when the ABS is activated on surfaces that are nearly impossible to get traction on. If the DTC sets within these conditions, diagnosis of the ABS system is not necessary.

**Test Description**
The number below refers to the step number on the diagnostic table:
2. Performing solenoid tests determines if there is a mechanical malfunction inside the BPMV.