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

C0267

DTC C0267 or C0268

Test 1-3

<table>
<thead>
<tr>
<th>Step</th>
<th>Action</th>
<th>Values</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></td>
<td></td>
<td>Go to Diagnostic System Check - ABS</td>
</tr>
</tbody>
</table>
| 2    | 1. Use a scan tool in order to clear the DTCs.  
     | 2. Operate the vehicle within the Conditions for Running the DTC as specified in the supporting text.  
     | Does DTC C0267 set? |        |     | Go to Step 2 |
| 3    | Does DTC C0268 set? |        |     | Go to Step 3 |

Test 4-7
<table>
<thead>
<tr>
<th>Step</th>
<th>Action</th>
<th>Values</th>
<th>Yes</th>
<th>No</th>
</tr>
</thead>
<tbody>
<tr>
<td>4</td>
<td>Turn OFF the ignition.</td>
<td>0.0–0.2 Ω</td>
<td>Go to Step 5</td>
<td>Go to Step 10</td>
</tr>
<tr>
<td>5</td>
<td>Disconnect from the ECM, the 2-way harness connector which contains the battery positive voltage circuit and the ground circuit.</td>
<td>0.0–0.2 Ω</td>
<td>Go to Step 7</td>
<td>Go to Step 11</td>
</tr>
<tr>
<td>6</td>
<td>Use a DMM to measure the resistance of the ground circuit.</td>
<td>0.0–0.2 Ω</td>
<td>Go to Step 12</td>
<td>Go to Step 9</td>
</tr>
<tr>
<td>7</td>
<td>Important: On some applications, it may be necessary to separate the EBCM from the BPMV in order to perform this test. Also, DTC C0267 may set when this test is performed.</td>
<td></td>
<td>Go to Step 13</td>
<td>Go to Step 8</td>
</tr>
</tbody>
</table>

Test 8-15
Circuit Description
The EBCM applies the ground needed for pump motor activation. The low side of the pump motor has a feedback circuit to the EBCM. When the pump motor is commanded OFF and at rest, feedback voltage is high. When the pump motor is winding down after being commanded ON and then OFF, feedback voltage is low. The EBCM monitors this feedback voltage in order to determine if the motor is functioning properly.

Conditions for Running the DTC
- The ignition is ON.
- The vehicle speed is greater than 6 km/h (4 mph).

### Step 8
<table>
<thead>
<tr>
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<th>Action</th>
<th>Values</th>
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<th>No</th>
</tr>
</thead>
<tbody>
<tr>
<td>8</td>
<td>Use a DMM in order to measure the resistance across the ABS pump motor. Does the resistance measure within the specified range?</td>
<td>0.3-1.0 Ω</td>
<td>Go to Step 12</td>
<td>Go to Step 14</td>
</tr>
</tbody>
</table>

### Step 9
<table>
<thead>
<tr>
<th>Step</th>
<th>Action</th>
<th>Values</th>
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<th>No</th>
</tr>
</thead>
<tbody>
<tr>
<td>9</td>
<td>Inspect for poor connections at the pump motor pigtail connector. Refer to Testing for Intermittent and Poor Connections and to Connector Repairs</td>
<td>—</td>
<td>Go to Step 15</td>
<td>Go to Step 13</td>
</tr>
</tbody>
</table>

### Step 10
<table>
<thead>
<tr>
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<th>Values</th>
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<th>No</th>
</tr>
</thead>
<tbody>
<tr>
<td>10</td>
<td>Repair the high resistance in the underhood electrical center or the battery positive voltage circuit. Refer to Wiring Repairs</td>
<td>—</td>
<td>Go to Step 15</td>
<td>—</td>
</tr>
</tbody>
</table>

### Step 11
<table>
<thead>
<tr>
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</tr>
</thead>
<tbody>
<tr>
<td>11</td>
<td>Repair the high resistance in the ground circuit. Refer to Wiring Repairs</td>
<td>—</td>
<td>Go to Step 15</td>
<td>—</td>
</tr>
</tbody>
</table>

### Step 12
<table>
<thead>
<tr>
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<th>Action</th>
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<th>Yes</th>
<th>No</th>
</tr>
</thead>
<tbody>
<tr>
<td>12</td>
<td>Important: Following EBCM replacement, use the scan tool to perform the Tire Size Calibration procedure and the Trim Level Calibration procedure, if applicable. Replace the EBCM.</td>
<td>—</td>
<td>Go to Step 15</td>
<td>—</td>
</tr>
</tbody>
</table>

### Step 13
<table>
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<th>No</th>
</tr>
</thead>
<tbody>
<tr>
<td>13</td>
<td>Replace the BPWV.</td>
<td>—</td>
<td>Go to Step 15</td>
<td>—</td>
</tr>
</tbody>
</table>

### Step 14
<table>
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<th>No</th>
</tr>
</thead>
<tbody>
<tr>
<td>14</td>
<td>Important: Following EBCM replacement, use the scan tool to perform the Tire Size Calibration procedure and the Trim Level Calibration procedure, if applicable. Replace the EBCM and the BPWV.</td>
<td>—</td>
<td>Go to Step 15</td>
<td>—</td>
</tr>
</tbody>
</table>

### Step 15
<table>
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</thead>
<tbody>
<tr>
<td>15</td>
<td>1. Use a scan tool in order to clear the DTCs. 2. Operate the vehicle within the Conditions for Running the DTC as specified in the supporting text Does the DTC reset?</td>
<td>—</td>
<td>Go to Step 3</td>
<td>System OK</td>
</tr>
</tbody>
</table>
Conditions for Setting the DTC
The EBCM detects any of the following conditions:
^ An open or shorted pump motor
^ An open or shorted pump motor driver circuit
^ A seized pump motor

Action Taken When the DTC Sets
^ The EBCM disables the ABS.
^ The ABS indicator turns ON.

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
Thoroughly inspect connections or circuitry that may cause an intermittent malfunction.

Test Description
The numbers below refer to the step numbers on the diagnostic table.
2. It is imperative that the vehicle be driven to attempt to reset the DTC. Using the scan tool to perform a function test may not produce the same result, and therefore may cause misdiagnosis of the vehicle.
7. This step tests if the EBCM is capable of activating the ABS pump motor.
8. A shorted ABS pump motor may damage the EBCM. It is imperative that the steps in the table be followed in order to prevent damage to a replacement EBCM.