**DIAGNOSTIC TROUBLE CODE CHART**

**NOTICE:**
When removing any parts, turn the ignition switch off.

**HINT:**
- If no abnormality is found when inspecting parts, check the skid control ECU and check for poor contact at ground points.
- If a DTC is displayed during the DTC check, check the circuit for the DTC listed in the table below. For details of each DTC, refer to the page indicated.
- When 2 or more DTCs are detected, perform circuit inspections one by one until the problem is identified.
- All DTCs in the table below are detected in accordance with 1 trip detection logic.

### DTC chart of ABS

<table>
<thead>
<tr>
<th>DTC No.</th>
<th>Detection Item</th>
<th>Trouble Areas</th>
<th>See page</th>
</tr>
</thead>
</table>
| C0200/31 (^1) | Front Speed Sensor RH Circuit         | 1. Front speed sensor RH  
2. Front speed sensor RH circuit  
3. Sensor installation  
4. Skid control sensor wire  
5. Master cylinder solenoid (skid control ECU) | BC-59   |
| C0205/32 (^1) | Front Speed Sensor LH Circuit         | 1. Front speed sensor LH  
2. Front speed sensor LH circuit  
3. Sensor installation  
4. Skid control sensor wire  
5. Master cylinder solenoid (skid control ECU) | BC-59   |
| C0210/33 (^1) | Rear Speed Sensor RH Circuit          | 1. Rear speed sensor RH  
2. Rear speed sensor RH circuit  
3. Sensor installation  
4. Skid control sensor wire  
5. Master cylinder solenoid (skid control ECU) | BC-67   |
| C0215/34 (^1) | Rear Speed Sensor LH Circuit          | 1. Rear speed sensor LH  
2. Rear speed sensor LH circuit  
3. Sensor installation  
4. Skid control sensor wire  
5. Master cylinder solenoid (skid control ECU) | BC-67   |
| C0226/21      | SFR Solenoid Circuit                  | Master cylinder solenoid                                                     | BC-74   |
| C0236/22      | SFL Solenoid Circuit                  | Master cylinder solenoid                                                     | BC-74   |
| C0246/23      | SRR Solenoid Circuit                  | Master cylinder solenoid                                                     | BC-74   |
| C0256/24      | SRL Solenoid Circuit                  | Master cylinder solenoid                                                     | BC-74   |
| C0278/11      | Open in ABS Solenoid Relay Circuit    | 1. ABS SOL fuse  
2. +BS terminal circuit  
3. Master cylinder solenoid (skid control ECU) | BC-76   |
| C0279/12      | Short to B+ in ABS Solenoid Relay Circuit | 1. ABS SOL fuse  
2. +BS terminal circuit  
3. Master cylinder solenoid (skid control ECU) | BC-76   |
| C1202/58      | Brake Fluid Level Low / Open Circuit in Brake Fluid Level Warning Switch Circuit | 1. Brake fluid level  
2. Brake master cylinder reservoir sub-assembly (brake fluid level warning switch)  
3. Brake fluid level warning switch circuit  
4. Master cylinder solenoid (skid control ECU) | BC-83   |
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<tr>
<td>C1225/25</td>
<td>SMC Solenoid Circuit</td>
<td>Master cylinder solenoid</td>
<td>BC-74</td>
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<tr>
<td>C1226/26</td>
<td>SPC Solenoid Circuit</td>
<td>Master cylinder solenoid</td>
<td>BC-74</td>
</tr>
<tr>
<td>C1227/27</td>
<td>SRC Solenoid Circuit</td>
<td>Master cylinder solenoid</td>
<td>BC-74</td>
</tr>
<tr>
<td>C1228/28</td>
<td>STR Solenoid Circuit</td>
<td>Master cylinder solenoid</td>
<td>BC-74</td>
</tr>
</tbody>
</table>
| C1235/35   | Foreign Object is Attached on Tip of Front Speed Sensor RH | 1. Front speed sensor RH  
2. Front speed sensor RH circuit  
3. Master cylinder solenoid (skid control ECU) | BC-59    |
| C1236/36   | Foreign Object is Attached on Tip of Front Speed Sensor LH | 1. Front speed sensor LH  
2. Front speed sensor LH circuit  
3. Master cylinder solenoid (skid control ECU) | BC-59    |
| C1238/38   | Foreign Object is Attached on Tip of Rear Speed Sensor RH | 1. Rear speed sensor RH  
2. Rear speed sensor RH circuit  
3. Master cylinder solenoid (skid control ECU) | BC-67    |
| C1239/39   | Foreign Object is Attached on Tip of Rear Speed Sensor LH | 1. Rear speed sensor LH  
2. Rear speed sensor LH circuit  
3. Master cylinder solenoid (skid control ECU) | BC-67    |
| C1241/41   | Low Battery Positive Voltage                   | 1. Battery  
2. Charging system  
3. ECU-IG fuse  
4. Power source circuit  
5. Master cylinder solenoid (skid control ECU) | BC-97    |
| C1242/42   | IG2 Power Source Circuit                       | 1. Battery  
2. Charging system  
3. IGN fuse  
4. Power source circuit  
5. Master cylinder solenoid (skid control ECU) | BC-101   |
| C1243/43   | Deceleration Sensor Stuck Malfunction          | 1. Yaw rate and deceleration sensor  
2. Yaw rate and deceleration sensor circuit | BC-79    |
| C1244/44   | Open or Short in Deceleration Sensor Circuit   | 1. Yaw rate and deceleration sensor  
2. Yaw rate and deceleration sensor circuit | BC-79    |
| C1245/45   | Deceleration Sensor Output Malfunction         | 1. Yaw rate and deceleration sensor  
2. Yaw rate and deceleration sensor circuit | BC-79    |
| C1246/46   | Master Cylinder Pressure Sensor Malfunction    | 1. Hydraulic brake booster (master cylinder pressure sensor)  
2. Stop light switch circuit  
3. Master cylinder solenoid (skid control ECU) | BC-104   |
| C1248/48   | Open Circuit in Rear Differential Lock          | 1. Rear differential lock position switch  
2. Rear differential lock position switch circuit  
3. Master cylinder solenoid (skid control ECU) | BC-108   |
| C1249/49   | Open in Stop Light Switch Circuit              | 1. Stop light switch assembly  
2. Stop light switch circuit  
3. Master cylinder (skid control ECU) | BC-111   |
| C1251/51   | Open in Pump Motor Circuit                     | 1. Brake booster pump assembly  
2. Master cylinder solenoid (skid control ECU) | BC-115   |
### Brake Control - Vehicle Stability Control System

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<td>C1254/54</td>
<td>Pressure Switch Circuit</td>
<td>1. Master cylinder solenoid (skid control ECU) 2. Hydraulic brake booster (accumulator pressure sensor) 3. Hydraulic brake booster (master cylinder pressure sensor)</td>
<td>BC-124</td>
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<td>C1268/68 (3)</td>
<td>Transfer &quot;L4&quot; Position Switch Circuit</td>
<td>1. Transfer indicator switch (L4 position) 2. Transfer indicator switch (L4 position) circuit 3. Master cylinder solenoid (skid control ECU)</td>
<td>BC-138</td>
</tr>
<tr>
<td>C1381/97</td>
<td>Yaw Rate and / or Acceleration Sensor Power Supply Voltage Malfunction</td>
<td>1. Yaw rate and deceleration sensor 2. Yaw rate and deceleration sensor circuit</td>
<td>BC-79</td>
</tr>
<tr>
<td>U0073/94</td>
<td>Control Module Communication Bus OFF</td>
<td>CAN communication system</td>
<td>BC-149</td>
</tr>
<tr>
<td>U0124/95</td>
<td>Lost Communication with Lateral Acceleration Sensor Module</td>
<td>CAN communication system</td>
<td>BC-149</td>
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</tbody>
</table>

**HINT:**

(1), (2):
Even after the trouble areas are repaired, the ABS warning light will not go off unless the following operations are performed.

- (1):
  - (a) Drive the vehicle at 12 mph (20 km/h) for 30 seconds or more and check that the ABS warning light goes off.
  - (b) Clear the DTC.

- (2):
  - (a) Keep the vehicle stationary for 5 seconds or more and depress the brake pedal several times.
  - (b) Repeat the above operation 3 times or more and check that the ABS warning light goes off.
  - (c) Clear the DTC.

- (3): 4WD only

- (4): Skid control buzzer sounds.
## DTC chart of VSC

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<td>C1201/51</td>
<td>Engine Control System Malfunction</td>
<td>Engine control system</td>
<td>BC-82</td>
</tr>
</tbody>
</table>
| C1203/53     | ECM Communication Circuit Malfunction | 1. CAN communication system  
2. ECM                                                                              | BC-86    |
| C1210/36     | Zero Point Calibration of Yaw Rate Sensor Undone | 1. Yaw rate sensor and deceleration sensor  
2. Zero point calibration not complete  
3. PNP switch circuit (P position) (A/T)  
4. Parking brake switch circuit (M/T)  
5. Master cylinder solenoid (skid control ECU) | BC-87    |
| C1223/43     | ABS Control System Malfunction        | ABS control system                                                            | BC-92    |
| C1231/31     | Steering Angle Sensor Circuit Malfunction | 1. Steering angle sensor  
2. Steering angle sensor circuit  
3. CAN communication system  
4. Master cylinder solenoid (skid control ECU) | BC-93    |
| C1232/32     | Stuck in Deceleration Sensor          | 1. Yaw rate and deceleration sensor  
2. Yaw rate and deceleration sensor circuit                                      | BC-79    |
| C1234/34     | Yaw Rate Sensor Malfunction           | 1. Yaw rate and deceleration sensor  
2. Yaw rate and deceleration sensor circuit                                      | BC-79    |
| C1258/58     | Transfer 4WD Position Switch Circuit  | 1. Transfer indicator switch (4WD position) (A/T)  
2. Transfer indicator switch (4WD position) circuit (A/T)  
3. Transfer indicator switch (center differential lock position) (M/T)  
4. Transfer indicator switch (center differential lock position) circuit (A/T)  
5. Master cylinder solenoid (skid control ECU) | BC-131   |
| C1290/66     | Steering Angle Sensor Zero Point Malfunction | Steering angle sensor                                                      | BC-93    |
| C1336/39     | Zero Point Calibration of Acceleration Sensor Undone | 1. Yaw rate sensor and deceleration sensor  
2. Zero point calibration not complete  
3. PNP switch circuit (P position) (A/T)  
4. Parking brake switch circuit (M/T)  
5. Master cylinder solenoid (skid control ECU) | BC-87    |
| C1380/64     | Stop Light Control Relay Malfunction  | 1. Stop light switch assembly  
2. Stop light switch circuit  
3. Stop LP CTRL relay  
4. Master cylinder solenoid (skid control ECU)                                      | BC-144   |
| U0100/65     | Lost Communication with ECM / PCM     | CAN communication system                                                     | BC-149   |
| U0123/62     | Lost Communication with Yaw Rate Sensor Module | CAN communication system                                                  | BC-149   |
| U0126/63     | Lost Communication with Steering Angle Sensor Module | CAN communication system                                                 | BC-149   |
### Test Mode DTC of ABS

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| C1271/71 | Low Output Signal of Front Speed Sensor RH (Test Mode DTC) | 1. Front speed sensor RH  
2. Front speed sensor RH circuit  
3. Sensor installation  
4. Skid control sensor wire  
5. Master cylinder solenoid (skid control ECU) | BC-59    |
| C1272/72 | Low Output Signal of Front Speed Sensor LH (Test Mode DTC) | 1. Front speed sensor LH  
2. Front speed sensor LH circuit  
3. Sensor installation  
4. Skid control sensor wire  
5. Master cylinder solenoid (skid control ECU) | BC-59    |
| C1273/73 | Low Output Signal of Rear Speed Sensor RH (Test Mode DTC) | 1. Rear speed sensor RH  
2. Rear speed sensor RH circuit  
3. Sensor installation  
4. Skid control sensor wire  
5. Master cylinder solenoid (skid control ECU) | BC-67    |
| C1274/74 | Low Output Signal of Rear Speed Sensor LH (Test Mode DTC) | 1. Rear speed sensor LH  
2. Rear speed sensor LH circuit  
3. Sensor installation  
4. Skid control sensor wire  
5. Master cylinder solenoid (skid control ECU) | BC-67    |
| C1275/75 | Abnormal Change in Output Signal of Front Speed Sensor RH (Test Mode DTC) | 1. Front speed sensor RH  
2. Front speed sensor RH circuit  
3. Master cylinder solenoid (skid control ECU) | BC-59    |
| C1276/76 | Abnormal Change in Output Signal of Front Speed Sensor LH (Test Mode DTC) | 1. Front speed sensor LH  
2. Front speed sensor LH circuit  
3. Master cylinder solenoid (skid control ECU) | BC-59    |
| C1277/77 | Abnormal Change in Output Signal of Rear Speed Sensor RH (Test Mode DTC) | 1. Rear speed sensor RH  
2. Rear speed sensor RH circuit  
3. Master cylinder solenoid (skid control ECU) | BC-67    |
| C1278/78 | Abnormal Change in Output Signal of Rear Speed Sensor LH (Test Mode DTC) | 1. Rear speed sensor LH  
2. Rear speed sensor LH circuit  
3. Master cylinder solenoid (skid control ECU) | BC-67    |
| C1279/79 | Deceleration Sensor Output Voltage Malfunction (Test Mode DTC) | 1. Yaw rate and deceleration sensor  
2. Yaw rate and deceleration sensor circuit | BC-79    |
| C1281/81 | Master Cylinder Pressure Sensor Output Malfunction (Test Mode DTC) | 1. Hydraulic brake booster (master cylinder pressure sensor)  
2. Stop light switch circuit  
3. Master cylinder solenoid (skid control ECU) | BC-104   |
| C1282/82 | Center Differential Lock Position Switch Malfunction (Test Mode DTC) | 1. Transfer indicator switch (4WD position) (A/T)  
2. Transfer indicator switch (4WD position) circuit (A/T)  
3. Transfer indicator switch (center differential lock position) (M/T)  
4. Transfer indicator switch (center differential lock position) circuit (A/T)  
5. Master cylinder solenoid (skid control ECU) | BC-131   |
## Test Mode DTC of VSC

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| C1283/83 | L4 Position Switch Malfunction (Test Mode DTC) | 1. Transfer indicator switch (L4 position)  
2. Transfer indicator switch (L4 position) circuit  
3. Master cylinder solenoid (skid control ECU) | BC-138 |
| C0371/71 | Yaw Rate Sensor (Test Mode DTC) | 1. Yaw rate and deceleration sensor  
2. Yaw rate and deceleration sensor circuit | BC-79 |