

## DIAGNOSTIC TROUBLE CODE CHART

### HINT:

If a malfunction code is displayed during the DTC check, check the circuit indicated by the DTC. For details of each code, turn to the page for the respective DTC No. in the DTC chart.

### DTC chart of ABS:

DTC No. (See Page)	Detection Item	Trouble Area
C0200/31*1 (05-636)	Right front wheel speed sensor signal malfunction	<ul style="list-style-type: none"> <li>• Right front speed sensor</li> <li>• Right front speed sensor circuit</li> <li>• Sensor rotor</li> </ul>
C0205/32*1 (05-636)	Left front wheel speed sensor signal malfunction	<ul style="list-style-type: none"> <li>• Left front speed sensor</li> <li>• Left front speed sensor circuit</li> <li>• Sensor rotor</li> </ul>
C0210/33*1 (05-667)	Right rear wheel speed sensor signal malfunction	<ul style="list-style-type: none"> <li>• Right rear speed sensor</li> <li>• Right rear speed sensor circuit</li> <li>• Sensor rotor</li> </ul>
C0215/34*1 (05-667)	Left rear wheel speed sensor signal malfunction	<ul style="list-style-type: none"> <li>• Left rear speed sensor</li> <li>• Left rear speed sensor circuit</li> <li>• Sensor rotor</li> </ul>
C0226/21 (05-649)	Open or short circuit in brake actuator solenoid circuit (SFR circuit)	<ul style="list-style-type: none"> <li>• ABS &amp; TRC actuator</li> <li>• SFRH or SFRR circuit</li> </ul>
C0236/22 (05-649)	Open or short circuit in brake actuator solenoid circuit (SFL circuit)	<ul style="list-style-type: none"> <li>• ABS &amp; TRC actuator</li> <li>• SFLH or SFLR circuit</li> </ul>
C0246/23 (05-649)	Open or short circuit in brake actuator solenoid circuit (SRR circuit)	<ul style="list-style-type: none"> <li>• ABS &amp; TRC actuator</li> <li>• SRRH or SRRR circuit</li> </ul>
C0256/24 (05-649)	Open or short circuit in brake actuator solenoid circuit (SRL circuit)	<ul style="list-style-type: none"> <li>• ABS &amp; TRC actuator</li> <li>• SRLH or SRLR circuit</li> </ul>
C0273/13*1 (05-652)	Open circuit in ABS MTR relay circuit	<ul style="list-style-type: none"> <li>• ABS No.1 fuse</li> <li>• ABS MTR relay</li> <li>• ABS MTR relay circuit</li> <li>• ABS CUT relay</li> <li>• ABS CUT relay circuit</li> <li>• ABS R/B</li> </ul>
C0274/14 (05-652)	Short circuit in ABS MTR relay circuit	<ul style="list-style-type: none"> <li>• ABS No.1 fuse</li> <li>• ABS MTR relay</li> <li>• ABS MTR relay circuit</li> <li>• ABS R/B</li> </ul>
C0278/11 (05-657)	Open circuit in ABS SOL relay circuit	<ul style="list-style-type: none"> <li>• ABS No.2 fuse</li> <li>• ABS SOL relay</li> <li>• ABS SOL relay circuit</li> <li>• ABS &amp; TRC actuator</li> </ul>
C0279/12 (05-657)	Short circuit in ABS SOL relay circuit	<ul style="list-style-type: none"> <li>• ABS No.2 fuse</li> <li>• ABS SOL relay</li> <li>• ABS SOL relay circuit</li> <li>• ABS &amp; TRC actuator</li> </ul>
C1225/25 (05-649)	Open or short circuit in brake actuator solenoid circuit (SM circuit)	<ul style="list-style-type: none"> <li>• SMF or SMR circuit</li> <li>• ABS &amp; TRC actuator</li> </ul>
C1235/35 (05-636)	Foreign matter is attached on the tip of the right front sensor	<ul style="list-style-type: none"> <li>• Right front speed sensor</li> <li>• Sensor rotor</li> </ul>
C1236/36 (05-636)	Foreign matter is attached on the tip of the left front sensor	<ul style="list-style-type: none"> <li>• Left front speed sensor</li> <li>• Sensor rotor</li> </ul>
C1238/38 (05-667)	Foreign matter is attached on the tip of the right rear sensor	<ul style="list-style-type: none"> <li>• Right rear speed sensor</li> <li>• Sensor rotor</li> </ul>

C1239/39 (05-667)	Foreign matter is attached on the tip of the left rear sensor	<ul style="list-style-type: none"> <li>• Left rear speed sensor</li> <li>• Sensor rotor</li> </ul>
C1241/41 (05-667)	Low battery positive voltage	<ul style="list-style-type: none"> <li>• Battery</li> <li>• Charging system</li> <li>• Power source circuit</li> </ul>
C1243/43*1 (05-678)	Malfunction in deceleration sensor (constant output)	<ul style="list-style-type: none"> <li>• Yaw rate sensor (Deceleration sensor)</li> <li>• Yaw rate sensor circuit (Deceleration sensor circuit)</li> </ul>
C1244/44 (05-678)	Malfunction in deceleration sensor	<ul style="list-style-type: none"> <li>• Yaw rate sensor (Deceleration sensor)</li> <li>• Yaw rate sensor circuit (Deceleration sensor circuit)</li> </ul>
C1245/45*1 (05-678)	Malfunction in deceleration sensor	<ul style="list-style-type: none"> <li>• Yaw rate sensor (Deceleration sensor)</li> <li>• Yaw rate sensor circuit (Deceleration sensor circuit)</li> </ul>
C1246/46*2 (05-687)	Malfunction in master cylinder pressure sensor	<ul style="list-style-type: none"> <li>• Master cylinder pressure sensor</li> <li>• Master cylinder pressure sensor circuit</li> </ul>
C1249/49 (05-689)	Open circuit in stop light switch circuit	<ul style="list-style-type: none"> <li>• Stop lamp switch Assy</li> <li>• Stop lamp switch circuit</li> </ul>
C1251/51*1 (05-694)	ABS pump motor is locked Open circuit in pump motor circuit	<ul style="list-style-type: none"> <li>• ABS &amp; TRC actuator</li> </ul>
C1361/91 (05-652)	Short circuit in ABS motor fail safe relay circuit	<ul style="list-style-type: none"> <li>• ABS No. 1 fuse</li> <li>• ABS CUT relay</li> <li>• ABS CUT relay circuit</li> <li>• ABS R/B</li> </ul>
C1381/97 (05-678)	Malfunction in power supply voltage yaw/deceleration sensor	<ul style="list-style-type: none"> <li>• Yaw rate sensor</li> <li>• Yaw rate sensor power source circuit</li> <li>• CAN communication circuit</li> </ul>
U0121/94 (05-1267)	Malfunction in CAN communication	<ul style="list-style-type: none"> <li>• Wire harness</li> <li>• Skid control ECU</li> </ul>
U0124/95 (05-1267)	Malfunction in CAN communication with deceleration sensor	<ul style="list-style-type: none"> <li>• Wire harness</li> <li>• Yaw rate sensor (Deceleration sensor)</li> </ul>

\*1, \*2:

Even after the trouble areas are repaired, the ABS warning lamp will not go off unless the following operations are performed.

- \*1:
  - (1) Drive the vehicle at 20 km/h (12 mph) for 30 seconds or more and check that the ABS warning lamp goes off.
  - (2) Clear the DTC (see page 05-625).
- \*2:
  - (1) Keep the vehicle in a stationary condition for 5 seconds or more and depress the brake pedal lightly 2 or 3 times.
  - (2) Drive the vehicle at a speed of 50 km/h (31 mph). Then depress the brake pedal strongly for about 3 seconds.
  - (3) Repeat the above operation 3 times or more and check that the ABS warning lamp goes off.
  - (4) Clear the DTC (see page 05-625).

HINT:

- In some cases, the Intelligent Tester II cannot be used when the ABS warning lamp remains on.
- If U0121/94, U0123/62, U0124/95 or U0126/63 is output, inspect and repair the trouble areas indicated by those DTCs first.

**DTC Chart of VSC:**

DTC No. (See Page)	Detection Item	Trouble Area
C1201/51 (05-662)	Malfunction in ECM	Engine control system
C1203/53 (05-663)	Malfunction in ECM communication circuit	<ul style="list-style-type: none"> <li>• TRC+ or TRC- circuit</li> <li>• ENG+ or ENG- circuit</li> <li>• ECM</li> </ul>
C1210/36 (05-667)	Zero point calibration of yaw rate sensor undone	<ul style="list-style-type: none"> <li>• Yaw rate sensor (Deceleration sensor)</li> <li>• Zero point calibration undone</li> </ul>
C1223/43 (05-669)	Malfunction in ABS control system	ABS control system
C1224/44 (05-670)	Open or short circuit in NEO signal circuit	<ul style="list-style-type: none"> <li>• NEO circuit</li> <li>• ECM</li> <li>• Skid control ECU</li> </ul>
C1231/31 (05-674)	Malfunction in steering angle sensor	<ul style="list-style-type: none"> <li>• Steering angle sensor</li> <li>• Steering angle sensor circuit</li> <li>• Steering angle sensor power supply</li> <li>• CAN communication circuit</li> </ul>
C1232/32 (05-678)	Malfunction in deceleration sensor	<ul style="list-style-type: none"> <li>• Yaw rate sensor (Deceleration sensor)</li> <li>• Yaw rate sensor (Deceleration sensor) circuit</li> <li>• CAN communication circuit</li> </ul>
C1234/34 (05-678)	Malfunction in yaw rate sensor	<ul style="list-style-type: none"> <li>• Yaw rate sensor (Deceleration sensor)</li> <li>• CAN communication circuit</li> </ul>
C1336/39 (05-667)	Zero point calibration of deceleration sensor undone	<ul style="list-style-type: none"> <li>• Yaw rate sensor (Deceleration sensor)</li> <li>• Zero point calibration undone</li> </ul>
U0123/62 (05-1267)	Malfunction in CAN communication with yaw rate sensor	<ul style="list-style-type: none"> <li>• Wire harness</li> <li>• Yaw rate sensor (Deceleration sensor)</li> </ul>
U0126/63 (05-1267)	Malfunction in CAN communication with angle position sensor	<ul style="list-style-type: none"> <li>• Wire harness</li> <li>• Steering angle sensor</li> </ul>

**HINT:**

In some cases, the intelligent tester II cannot be used when the VSC warning lamp remains on.