

## 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.<br>(See Page)  | Detection Item                                                         | Trouble Area                                                                                                                                                                                                       |
|------------------------|------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| C0200/31*1<br>(05-412) | Right front wheel speed sensor signal malfunction                      | <ul style="list-style-type: none"> <li>• Right front speed sensor</li> <li>• Speed sensor circuit</li> <li>• Sensor rotor</li> <li>• Sensor installation</li> </ul>                                                |
| C0205/32*1<br>(05-412) | Left front wheel speed sensor signal malfunction                       | <ul style="list-style-type: none"> <li>• Left front speed sensor</li> <li>• Speed sensor circuit</li> <li>• Sensor rotor</li> <li>• Sensor installation</li> </ul>                                                 |
| C0210/33*1<br>(05-420) | Right rear wheel speed sensor signal malfunction                       | <ul style="list-style-type: none"> <li>• Right rear speed sensor</li> <li>• Speed sensor circuit</li> <li>• Sensor rotor</li> <li>• Sensor installation</li> </ul>                                                 |
| C0215/34*1<br>(05-420) | Left rear wheel speed sensor signal malfunction                        | <ul style="list-style-type: none"> <li>• Left rear speed sensor</li> <li>• Speed sensor circuit</li> <li>• Sensor rotor</li> <li>• Sensor installation</li> </ul>                                                  |
| C0226/21<br>(05-426)   | 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<br>(05-426)   | 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<br>(05-426)   | 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<br>(05-426)   | 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<br>(05-429) | Open circuit in ABS MTR relay circuit                                  | <ul style="list-style-type: none"> <li>• ABS 2 fuse</li> <li>• ABS MTR relay</li> <li>• ABS MTR relay circuit</li> <li>• Engine room No.3 R/B</li> <li>• ABS cut relay</li> <li>• ABS cut relay circuit</li> </ul> |
| C0274/14<br>(05-429)   | Short circuit in ABS MTR relay circuit                                 | <ul style="list-style-type: none"> <li>• ABS 2 fuse</li> <li>• ABS MTR relay</li> <li>• ABS MTR relay circuit</li> <li>• Engine room No.3 R/B</li> <li>• ABS cut relay</li> <li>• ABS cut relay circuit</li> </ul> |
| C0278/11<br>(05-435)   | Open circuit in ABS SOL relay circuit                                  | <ul style="list-style-type: none"> <li>• ABS 1 fuse</li> <li>• ABS SOL relay</li> <li>• ABS SOL relay circuit</li> <li>• ABS &amp; TRC actuator</li> </ul>                                                         |
| C0279/12<br>(05-435)   | Short circuit in ABS SOL relay circuit                                 | <ul style="list-style-type: none"> <li>• ABS 1 fuse</li> <li>• ABS SOL relay</li> <li>• ABS SOL relay circuit</li> <li>• ABS &amp; TRC actuator</li> </ul>                                                         |
| C1225/25<br>(05-426)   | Open or short circuit in brake actuator solenoid circuit (SM circuit)  | <ul style="list-style-type: none"> <li>• SM1 or SM2 circuit</li> <li>• ABS &amp; TRC actuator</li> </ul>                                                                                                           |

|                        |                                                                 |                                                                                                                                                                                                                    |
|------------------------|-----------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| C1235/35<br>(05-452)   | 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> <li>• Sensor installation</li> </ul>                                                                                |
| C1236/36<br>(05-452)   | 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> <li>• Sensor installation</li> </ul>                                                                                 |
| C1238/38<br>(05-452)   | 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> <li>• Sensor installation</li> </ul>                                                                                 |
| C1239/39<br>(05-452)   | 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> <li>• Sensor installation</li> </ul>                                                                                  |
| C1241/41<br>(05-455)   | 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<br>(05-448) | Malfunction in deceleration sensor (constant output)            | <ul style="list-style-type: none"> <li>• Yaw rate (Deceleration sensor) sensor</li> <li>• Yaw rate sensor (Deceleration sensor) circuit</li> </ul>                                                                 |
| C1244/44<br>(05-448)   | Malfunction in deceleration sensor                              | <ul style="list-style-type: none"> <li>• Yaw rate (Deceleration sensor) sensor</li> <li>• Yaw rate sensor (Deceleration sensor) circuit</li> </ul>                                                                 |
| C1245/45*1<br>(05-448) | Malfunction in deceleration sensor                              | <ul style="list-style-type: none"> <li>• Yaw rate (Deceleration sensor) sensor</li> <li>• Yaw rate sensor (Deceleration sensor) circuit</li> </ul>                                                                 |
| C1246/46*2<br>(05-458) | 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> <li>• Stop lamp circuit</li> </ul>                                                |
| C1249/49<br>(05-460)   | Open circuit in stop light switch circuit                       | <ul style="list-style-type: none"> <li>• Stop lamp bulb</li> <li>• Stop lamp switch circuit</li> </ul>                                                                                                             |
| C1251/51*1<br>(05-470) | ABS pump motor is locked<br>Open circuit in pump motor circuit  | <ul style="list-style-type: none"> <li>• ABS &amp; TRC actuator</li> </ul>                                                                                                                                         |
| C1267/67<br>(05-472)   | Malfunction in brake pedal load sensing switch                  | <ul style="list-style-type: none"> <li>• Brake pedal load sensing switch</li> <li>• Brake pedal load sensing switch circuit</li> </ul>                                                                             |
| C1361/91<br>(05-429)   | Short circuit in ABS motor fail safe relay circuit              | <ul style="list-style-type: none"> <li>• ABS 2 fuse</li> <li>• ABS MTR relay</li> <li>• ABS MTR relay circuit</li> <li>• Engine room No.3 R/B</li> <li>• ABS cut relay</li> <li>• ABS cut relay circuit</li> </ul> |
| C1381/97<br>(05-448)   | Malfunction in power supply voltage yaw/deceleration sensor     | <ul style="list-style-type: none"> <li>• Yaw rate sensor (Deceleration sensor)</li> <li>• Yaw rate (Deceleration sensor) – sensor power source circuit</li> </ul>                                                  |
| U0073/94<br>(05-3331)  | Malfunction in CAN communication                                | <ul style="list-style-type: none"> <li>• Wire harness</li> <li>• Skid control ECU</li> </ul>                                                                                                                       |
| U0124/95<br>(05-3331)  | 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 troubled areas are repaired, ABS warning light 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 light goes off.
  - (2) Clear the DTC ([see page 05-400](#)).
- \*2:
  - (1) Keep the vehicle in the stationary condition for 5 seconds or more and depress the brake pedal lightly 2 or 3 times.

- (2) Drive the vehicle at the vehicle speed of 50 km/h (31 mph) and keep depressing the brake pedal strongly for approximately 3 seconds.
- (3) Repeat the above operation 3 times or more and check that the ABS warning light goes off.
- (4) Clear the DTC ([see page 05-400](#)).

**HINT:**

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

**DTC chart of VSC:**

| DTC No.<br>(See Page) | Detection Item                                              | Trouble Area                                                                                                                     |
|-----------------------|-------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------|
| C1201/51<br>(05-439)  | Malfunction in ECM                                          | Engine control system                                                                                                            |
| C1203/53<br>(05-440)  | Malfunction in ECM communication circuit                    | • ECM                                                                                                                            |
| C1210/36<br>(05-441)  | Zero point calibration of yaw rate sensor undone            | • Yaw rate sensor (Deceleration sensor)<br>• Zero point calibration not done                                                     |
| C1223/43<br>(05-443)  | Malfunction in ABS control system                           | ABS control system                                                                                                               |
| C1231/31<br>(05-444)  | Malfunction in steering angle sensor                        | • Steering angle sensor<br>• Steering angle sensor power supply<br>• Steering angle sensor circuit<br>• CAN communication system |
| C1232/32<br>(05-448)  | Malfunction in deceleration sensor                          | • Yaw rate sensor (Deceleration sensor)<br>• Yaw rate sensor (Deceleration sensor) circuit                                       |
| C1234/34<br>(05-448)  | Malfunction in yaw rate sensor                              | • Yaw rate sensor (Deceleration sensor)<br>• Yaw rate sensor (Deceleration sensor) circuit                                       |
| C1336/39<br>(05-441)  | Zero point calibration of deceleration sensor undone        | • Yaw rate sensor (Deceleration sensor)<br>• Zero point calibration not done                                                     |
| U0100/65<br>(05-3331) | Malfunction in CAN communication with ECU                   | • Wire harness<br>• Skid control ECU                                                                                             |
| U0123/62<br>(05-3331) | Malfunction in CAN communication with yaw rate sensor       | • Wire harness<br>• Yaw rate sensor (Deceleration sensor)                                                                        |
| U0126/63<br>(05-3331) | Malfunction in CAN communication with angle position sensor | • Wire harness<br>• Skid control ECU                                                                                             |

**HINT:**

In some cases, the intelligent tester II cannot be used when VSC warning light is always on.