

## DIAGNOSTIC TROUBLE CODE CHART

### HINT:

- If a trouble 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.
- Inspect the fuse and relay before investigating the trouble areas as shown in the table below.

### DTC Chart of ABS:

| DTC No.       | Detection Item                                                                   | Trouble Areas                                                                                                                            | See page |
|---------------|----------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------|----------|
| C0200/31 (*1) | Front Speed Sensor RH Circuit                                                    | 1. Right front speed sensor<br>2. Speed sensor circuit<br>3. Speed sensor rotor<br>4. Sensor installation<br>5. Master cylinder solenoid | BC-51    |
| C0205/32 (*1) | Front Speed Sensor LH Circuit                                                    | 1. Left front speed sensor<br>2. Speed sensor circuit<br>3. Speed sensor rotor<br>4. Sensor installation<br>5. Master cylinder solenoid  | BC-51    |
| C0210/33 (*1) | Rear Speed Sensor RH Circuit                                                     | 1. Right rear speed sensor<br>2. Speed sensor circuit<br>3. Speed sensor rotor<br>4. Sensor installation<br>5. Master cylinder solenoid  | BC-60    |
| C0215/34 (*1) | Rear Speed Sensor LH Circuit                                                     | 1. Left rear speed sensor<br>2. Speed sensor circuit<br>3. Speed sensor rotor<br>4. Sensor installation<br>5. Master cylinder solenoid   | BC-60    |
| C0226/21      | SFR Solenoid Circuit                                                             | 1. Master cylinder solenoid<br>2. SFRH or SFRR circuit                                                                                   | BC-69    |
| C0236/22      | SFL Solenoid Circuit                                                             | 1. Master cylinder solenoid<br>2. SFLH or SFLR circuit                                                                                   | BC-69    |
| C0246/23      | SRR Solenoid Circuit                                                             | 1. Master cylinder solenoid<br>2. SRRH or SRRR circuit                                                                                   | BC-69    |
| C0256/24      | SRL Solenoid Circuit                                                             | 1. Master cylinder solenoid<br>2. SRLH or SRLR circuit                                                                                   | BC-69    |
| C0278/11      | Open or Short Circuit in ABS Solenoid Relay Circuit                              | 1. ABS SOL fuse<br>2. ABS solenoid relay<br>3. ABS solenoid relay circuit<br>4. Master cylinder solenoid                                 | BC-72    |
| C0279/12      | Short to B+ in ABS Solenoid Relay Circuit                                        | 1. ABS SOL fuse<br>2. ABS solenoid relay<br>3. ABS solenoid relay circuit<br>4. Master cylinder solenoid                                 | BC-72    |
| C1202/58      | Brake Fluid Level Low / Open Circuit in Brake Fluid Level Warning Switch Circuit | 1. Brake fluid level<br>2. Brake fluid level warning switch<br>3. Brake fluid level warning switch circuit                               | BC-77    |
| C1225/25      | SMC Solenoid Circuit                                                             | 1. Master cylinder solenoid<br>2. SMCF circuit                                                                                           | BC-69    |
| C1226/26      | SPC Solenoid Circuit                                                             | 1. Master cylinder solenoid<br>2. SREA circuit                                                                                           | BC-69    |
| C1227/27      | SRC Solenoid Circuit                                                             | 1. Master cylinder solenoid<br>2. SREC circuit                                                                                           | BC-69    |
| C1228/28      | STR Solenoid Circuit                                                             | 1. Master cylinder solenoid<br>2. STR circuit                                                                                            | BC-69    |

| DTC No.          | Detection Item                                             | Trouble Areas                                                                                                                                   | See page               |
|------------------|------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|
| C1235/35         | Foreign Object is Attached on Tip of Front Speed Sensor RH | 1. Master cylinder solenoid<br>2. Right front speed sensor<br>3. Speed sensor rotor<br>4. Sensor installation                                   | <a href="#">BC-51</a>  |
| C1236/36         | Foreign Object is Attached on Tip of Front Speed Sensor LH | 1. Master cylinder solenoid<br>2. Left front speed sensor<br>3. Speed sensor rotor<br>4. Sensor installation                                    | <a href="#">BC-51</a>  |
| C1238/38         | Foreign Object is Attached on Tip of Rear Speed Sensor RH  | 1. Master cylinder solenoid<br>2. Right rear speed sensor<br>3. Speed sensor rotor<br>4. Sensor installation                                    | <a href="#">BC-60</a>  |
| C1239/39         | Foreign Object is Attached on Tip of Rear Speed Sensor LH  | 1. Master cylinder solenoid<br>2. Left rear speed sensor<br>3. Speed sensor rotor<br>4. Sensor installation                                     | <a href="#">BC-60</a>  |
| C1241/41         | Low Battery Positive Voltage                               | 1. Battery<br>2. ECU-IG fuse<br>3. Charging system<br>4. Power source circuit                                                                   | <a href="#">BC-92</a>  |
| C1242/42         | IG2 Power Source Circuit                                   | 1. Battery<br>2. IC regulator<br>3. Power source circuit<br>4. IGN fuse                                                                         | <a href="#">BC-96</a>  |
| C1243/43 (*1)    | Acceleration Sensor Stuck Malfunction                      | 1. Yaw rate and acceleration sensor<br>2. Yaw rate and acceleration sensor circuit<br>3. CAN communication system                               | <a href="#">BC-89</a>  |
| C1244/44         | Open or Short in Deceleration Sensor Circuit               | 1. Yaw rate and acceleration sensor<br>2. Yaw rate and acceleration sensor circuit<br>3. CAN communication system                               | <a href="#">BC-89</a>  |
| C1245/45 (*1)    | Acceleration Sensor Output Malfunction                     | 1. Yaw rate and acceleration sensor<br>2. Yaw rate and acceleration sensor circuit<br>3. CAN communication system                               | <a href="#">BC-89</a>  |
| C1246/46         | Master Cylinder Pressure Sensor Malfunction                | 1. Master cylinder pressure sensor<br>2. Master cylinder pressure sensor circuit<br>3. Master cylinder solenoid<br>4. Stop light switch circuit | <a href="#">BC-99</a>  |
| C1249/49         | Open in Stop Light Switch Circuit                          | 1. Stop light switch<br>2. Stop light switch circuit<br>3. Rear combination light (stop light) assembly                                         | <a href="#">BC-102</a> |
| C1251/51 (*1, 3) | Open in Pump Motor Circuit                                 | Hydraulic brake booster pump motor circuit                                                                                                      | <a href="#">BC-107</a> |
| C1252/52 (*2, 3) | Brake Booster Pump Motor on Time Abnormally Long           | 1. Hydraulic brake booster pump motor<br>2. Hydraulic brake booster pump motor circuit<br>3. Accumulator pressure sensor                        | <a href="#">BC-109</a> |
| C1253/53 (*2)    | Hydro Booster Pump Motor Relay Malfunction                 | 1. Hydraulic brake booster pump motor<br>2. Hydraulic brake booster pump motor circuit                                                          | <a href="#">BC-113</a> |

| DTC No.          | Detection Item                                                         | Trouble Areas                                                                                                                                          | See page               |
|------------------|------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|
| C1254/54         | Pressure Switch Circuit                                                | 1. Hydraulic brake booster<br>2. Accumulator pressure sensor<br>3. Master cylinder pressure sensor                                                     | <a href="#">BC-117</a> |
| C1256/56 (*2, 3) | Accumulator Low Pressure                                               | 1. Hydraulic brake booster<br>2. Hydraulic brake booster pump motor<br>3. Hydraulic brake booster pump motor circuit<br>4. Accumulator pressure sensor | <a href="#">BC-120</a> |
| C1257/57 (*2)    | IG Power Source                                                        | Hydraulic brake booster pump motor circuit                                                                                                             | <a href="#">BC-123</a> |
| C1268/68 (*4)    | Transfer "L4" Position Switch Circuit                                  | 1. 4WD control (L4) switch<br>2. 4WD control (L4) switch circuit<br>3. 4WD control ECU                                                                 | <a href="#">BC-130</a> |
| C1337/37         | Different Diameter Tire Malfunction                                    | 1. Speed sensor<br>2. Speed sensor rotor<br>3. Speed sensor circuit<br>4. Tire size                                                                    | <a href="#">BC-135</a> |
| C1381/97         | Yaw Rate and / or Acceleration Sensor Power Supply Voltage Malfunction | 1. Yaw rate and acceleration sensor<br>2. Yaw rate and acceleration sensor power source circuit<br>3. CAN communication system                         | <a href="#">BC-89</a>  |
| U0073/94         | Control Module Communication Bus OFF                                   | Wire harness                                                                                                                                           | <a href="#">BC-154</a> |
| U0124/95         | Lost Communication with Lateral Acceleration Sensor Module             | 1. Wire harness<br>2. Yaw rate and acceleration sensor                                                                                                 | <a href="#">BC-154</a> |

(\*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 in a stationary condition for 5 seconds or more and depress the brake pedal lightly 2 or 3 times.
  - (b) Repeat the above operations 3 times or more and check that the ABS warning light goes off.
  - (c) Clear the DTC.

HINT:

- In some cases, the intelligent tester cannot be used when the ABS warning light remains on.
- When U0073/94, U0100/65, U0123/62, U0124/95 or U0126/63 is output, inspect and repair the trouble areas indicated by these codes first.

(\*3): The skid control buzzer sounds.

(\*4): Multi Mode 4WD

#### DTC Chart of VSC:

| DTC No.  | Detection Item                    | Trouble Areas         | See page              |
|----------|-----------------------------------|-----------------------|-----------------------|
| C1201/51 | Engine Control System Malfunction | Engine control system | <a href="#">BC-76</a> |

| DTC No.       | Detection Item                                                                   | Trouble Areas                                                                                                                            | See page               |
|---------------|----------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------|------------------------|
| C1202/52      | Brake Fluid Level Low / Open Circuit in Brake Fluid Level Warning Switch Circuit | 1. Brake fluid level<br>2. Brake fluid level warning switch<br>3. Brake fluid level warning switch circuit                               | <a href="#">BC-77</a>  |
| C1203/53      | ECM Communication Circuit Malfunction                                            | ECM                                                                                                                                      | <a href="#">BC-80</a>  |
| C1210/36      | Zero Point Calibration of Yaw Rate Sensor Undone                                 | 1. Yaw rate and acceleration sensor<br>2. Zero point calibration undone<br>3. Park / Neutral position switch (P) circuit                 | <a href="#">BC-81</a>  |
| C1223/43      | ABS Control System Malfunction                                                   | ABS control system                                                                                                                       | <a href="#">BC-85</a>  |
| C1231/31      | Steering Angle Sensor Circuit Malfunction                                        | 1. Steering angle sensor<br>2. Steering angle sensor circuit<br>3. Steering angle sensor power supply<br>4. CAN communication system     | <a href="#">BC-86</a>  |
| C1232/32      | Stuck in Deceleration Sensor                                                     | 1. Yaw rate and acceleration sensor<br>2. Yaw rate and acceleration sensor circuit<br>3. CAN communication system                        | <a href="#">BC-89</a>  |
| C1234/34      | Yaw Rate Sensor Malfunction                                                      | 1. Yaw rate and acceleration sensor<br>2. Yaw rate and acceleration sensor circuit<br>3. CAN communication system                        | <a href="#">BC-89</a>  |
| C1258/58 (*4) | Transfer 4WD Position Switch Circuit                                             | 1. 4WD control (4WD) switch<br>2. 4WD control (4WD) switch circuit<br>3. 4WD control ECU                                                 | <a href="#">BC-124</a> |
| C1290/66      | Steering Angle Sensor Zero Point Malfunction                                     | Steering angle sensor                                                                                                                    | <a href="#">BC-86</a>  |
| C1336/39      | Zero Point Calibration of Acceleration Sensor Undone                             | 1. Yaw rate and acceleration sensor<br>2. Zero point calibration undone<br>3. Park / Neutral position switch (P) circuit                 | <a href="#">BC-81</a>  |
| C1340/47 (*5) | Center Differential Lock Circuit                                                 | 1. Center diff. lock switch<br>2. Center diff. lock switch circuit<br>3. Center diff. lock indicator light circuit<br>4. 4WD control ECU | <a href="#">BC-137</a> |
| C1380/64      | Stop Light Control Relay Malfunction                                             | 1. Stop light operation relay<br>2. Stop light operation relay circuit                                                                   | <a href="#">BC-145</a> |
| U0100/65      | Lost Communication with ECM / PCM                                                | Wire harness                                                                                                                             | <a href="#">BC-154</a> |
| U0123/62      | Lost Communication with Yaw Rate Sensor Module                                   | 1. Wire harness<br>2. Yaw rate and acceleration sensor                                                                                   | <a href="#">BC-154</a> |
| U0126/63      | Lost Communication with Steering Angle Sensor Module                             | 1. Wire harness<br>2. Steering angle sensor                                                                                              | <a href="#">BC-154</a> |

(\*4): Multi Mode 4WD

(\*5): 4WD

HINT:

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