

DIAGNOSTIC TROUBLE CODE CHART

HINT:

- If no abnormality is found when inspecting parts, check the skid control ECU and check for poor contact at the 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

DTC No.	Detection Item	Trouble Area	See page
C0200/31*1	Right Front Wheel Speed Sensor Signal	- Front speed sensor - Front speed sensor circuit - Sensor installation - Foreign matter on sensor rotor	BC-62
C0205/32*1	Left Front Wheel Speed Sensor Signal	- Front speed sensor - Front speed sensor circuit - Sensor installation - Foreign matter on sensor rotor	BC-62
C0210/33*1	Right Rear Wheel Speed Sensor Signal	- Skid control sensor RH (2WD) - Rear speed sensor RH (4WD) - Skid control sensor RH circuit (2WD) - Rear speed sensor RH circuit (4WD) - Sensor installation - Foreign matter on sensor rotor	BC-69
C0215/34*1	Left Rear Wheel Speed Sensor Signal	- Skid control sensor RH (2WD) - Rear speed sensor RH (4WD) - Skid control sensor RH circuit (2WD) - Rear speed sensor RH circuit (4WD) - Sensor installation - Foreign matter on sensor rotor	BC-69
C0226/21	SFR Solenoid Circuit	- ABS and TRACTION actuator	BC-76
C0236/22	SFL Solenoid Circuit	- ABS and TRACTION actuator	BC-76
C0246/23	SRR Solenoid Circuit	- ABS and TRACTION actuator	BC-76
C0256/24	SRL Solenoid Circuit	- ABS and TRACTION actuator	BC-76
C0273/13*1	Open in ABS Motor Relay Circuit	- ABS1 H-fuse - VSC MTR relay - VSC MTR relay circuit - VSC FAIL relay - VSC FAIL relay circuit - ABS and TRACTION actuator	BC-78
C0274/14	Short to B+ in ABS Motor Relay Circuit	- ABS1 H-fuse - VSC MTR relay - VSC MTR relay circuit - VSC FAIL relay - VSC FAIL relay circuit - ABS and TRACTION actuator	BC-78
C0278/11	Open in ABS Solenoid Relay Circuit	- ABS2 H-fuse - Wire harness (+BS circuit) - ABS and TRACTION actuator	BC-83
C0279/12	Short to B+ in ABS Solenoid Relay Circuit	- ABS2 H-fuse - Wire harness (+BS circuit) - ABS and TRACTION actuator	BC-83
C1225/25	SM Solenoid Circuit	- ABS and TRACTION actuator	BC-76

DTC No.	Detection Item	Trouble Area	See page
C1235/35	Foreign Object is Attached on Tip of Front Speed Sensor RH	- Front speed sensor - Front speed sensor circuit - Sensor installation	BC-62
C1236/36	Foreign Object is Attached on Tip of Front Speed Sensor LH	- Front speed sensor - Front speed sensor circuit - Sensor installation	BC-62
C1238/38	Foreign Object is Attached on Tip of Rear Speed Sensor RH	- Skid control sensor RH (2WD) - Rear speed sensor RH (4WD) - Skid control sensor RH circuit (2WD) - Rear speed sensor RH circuit (4WD) - Sensor installation	BC-69
C1239/39	Foreign Object is Attached on Tip of Rear Speed Sensor LH	- Skid control sensor RH (2WD) - Rear speed sensor RH (4WD) - Skid control sensor RH circuit (2WD) - Rear speed sensor RH circuit (4WD) - Sensor installation	BC-69
C1241/41	Low Battery Positive Voltage	- Battery - Charging system - Power source circuit - Internal power supply circuit of skid control ECU	BC-99
C1243/43*1	Acceleration Sensor Stuck Malfunction	- Yaw rate sensor - Yaw rate sensor circuit	BC-96
C1244/44	Open or Short in Deceleration Sensor Circuit	- Yaw rate sensor - Yaw rate sensor circuit	BC-96
C1245/45*1	Acceleration Sensor Output Malfunction	- Yaw rate sensor - Yaw rate sensor circuit	BC-96
C1246/46*2	Master Cylinder Pressure Sensor Malfunction	- Master cylinder pressure sensor - Master cylinder pressure sensor circuit - Stop light switch circuit - ABS and TRACTION actuator	BC-103
C1249/49	Open in Stop Light Switch Circuit	- STOP fuse - Stop light switch - Stop light switch circuit - ABS and TRACTION actuator - Stop light control relay	BC-105
C1251/51*1	Open in Pump Motor Circuit	- Wire harness - ABS and TRACTION actuator	BC-109
C1267/67*3	Brake Pedal Load Sensing Switch	- Brake pedal load sensing switch - Brake pedal load sensing switch circuit	BC-111
C1337/37	Different Diameter Tire Malfunction	- Tire size	BC-117
C1361/91	Short Circuit in ABS Motor Fail Safe Relay Circuit	- ABS1 H-fuse - VSC MTR relay - VSC MTR relay circuit - VSC FAIL relay - VSC FAIL relay circuit - ABS and TRACTION actuator	BC-78
C1381/97	Yaw Rate and / or Acceleration Sensor Power Supply Voltage Malfunction	- Yaw rate sensor - Yaw rate sensor circuit	BC-96
U0073/94	Control Module Communication Bus OFF	- CAN communication system	BC-130

HINT:

*1, *2

BC

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 20 km/h (12 mph) for 30 seconds or more and check that the ABS warning light goes off.
 - (b) Clear the DTC(s).
- *2:
 - (a) Keep the vehicle stationary for 5 seconds or more and depress the brake pedal lightly 2 or 3 times.
 - (b) Drive the vehicle at a vehicle speed of 50 km/h (31 mph) and keep depressing the brake pedal firmly for approximately 3 seconds.
 - (c) Repeat the above operation 3 times or more and check that the ABS warning light goes off.
 - (d) Clear the DTC(s).
- *3: 16-inch disc

DTC chart of VSC

DTC No.	Detection Item	Trouble Area	See page
C1201/51	Engine Control System Malfunction	- Engine control system	BC-85
C1203/53	ECM Communication Circuit Malfunction	- ECM	BC-87
C1210/36	Zero Point Calibration of Yaw Rate Sensor Undone	- ABS and TRACTION actuator (skid control ECU) - Zero point calibration incomplete	BC-88
C1223/43	ABS Control System Malfunction	- Skid control ECU	BC-91
C1231/31	Steering Angle Sensor Circuit Malfunction	- Steering sensor - Steering sensor circuit - Steering sensor power supply - CAN communication system	BC-92
C1232/32	Stuck in Deceleration Sensor	- Yaw rate sensor - Yaw rate sensor circuit	BC-96
C1234/34	Yaw Rate Sensor Malfunction	- Yaw rate sensor - Yaw rate sensor circuit	BC-96
C1290/66	Steering Angle Sensor Zero Point Malfunction	- Yaw rate and deceleration sensor zero point calibration incomplete - Poor adjustment of centered position of steering wheel - Poor adjustment of front wheel alignment	BC-115
C1336/39	Zero Point Calibration of Acceleration Sensor Undone	- ABS and TRACTION actuator (skid control ECU) - Zero point calibration incomplete	BC-88
C1380/64	Stop Light Control Relay Malfunction	- Stop light assembly - Stop light switch circuit - STOP LP CTRL relay - ABS and TRACTION Actuator (skid control ECU)	BC-121
U0100/65	Lost Communication with ECM / PCM	- CAN communication system (Skid control ECU to ECM)	BC-130
U0123/62	Lost Communication with Yaw Rate Sensor Module	- CAN communication system (Skid control ECU to yaw rate and acceleration sensor)	BC-130
U0126/63	Lost Communication with Steering Angle Sensor Module	- CAN communication system	BC-130

DTC of ABS sensor check function

DTC No.	Detection Item	Trouble Area	See page
C1271/71	Low Output Signal of Front Speed Sensor RH (Test Mode DTC)	<ul style="list-style-type: none"> - Front speed sensor - Front speed sensor circuit - Sensor installation - Foreign matter on sensor rotor 	BC-62
C1272/72	Low Output Signal of Front Speed Sensor LH (Test Mode DTC)	<ul style="list-style-type: none"> - Front speed sensor - Front speed sensor circuit - Sensor installation - Foreign matter on sensor rotor 	BC-62
C1273/73	Low Output Signal of Rear Speed Sensor RH (Test Mode DTC)	<ul style="list-style-type: none"> - Skid control sensor RH (2WD) - Rear speed sensor RH (4WD) - Skid control sensor RH circuit (2WD) - Rear speed sensor RH circuit (4WD) - Sensor installation - Foreign matter on sensor rotor 	BC-69
C1274/74	Low Output Signal of Rear Speed Sensor LH (Test Mode DTC)	<ul style="list-style-type: none"> - Skid control sensor RH (2WD) - Rear speed sensor RH (4WD) - Skid control sensor RH circuit (2WD) - Rear speed sensor RH circuit (4WD) - Sensor installation - Foreign matter on sensor rotor 	BC-69
C1275/75	Abnormal Change in Output Signal of Front Speed Sensor RH (Test Mode DTC)	<ul style="list-style-type: none"> - Front speed sensor - Front speed sensor circuit - Sensor installation 	BC-62
C1276/76	Abnormal Change in Output Signal of Front Speed Sensor LH (Test Mode DTC)	<ul style="list-style-type: none"> - Front speed sensor - Front speed sensor circuit - Sensor installation 	BC-62
C1277/77	Abnormal Change in Output Signal of Rear Speed Sensor RH (Test Mode DTC)	<ul style="list-style-type: none"> - Skid control sensor RH (2WD) - Rear speed sensor RH (4WD) - Skid control sensor RH circuit (2WD) - Rear speed sensor RH circuit (4WD) - Sensor installation 	BC-69
C1278/78	Abnormal Change in Output Signal of Rear Speed Sensor LH (Test Mode DTC)	<ul style="list-style-type: none"> - Skid control sensor RH (2WD) - Rear speed sensor RH (4WD) - Skid control sensor RH circuit (2WD) - Rear speed sensor RH circuit (4WD) - Sensor installation 	BC-69
C1279/79	Deceleration Sensor Output Voltage Malfunction (Test Mode DTC)	<ul style="list-style-type: none"> - Yaw rate sensor - Yaw rate sensor circuit 	BC-96
C1281/81	Master Cylinder Pressure Sensor Output Malfunction (Test Mode DTC)	<ul style="list-style-type: none"> - Master cylinder pressure sensor - Master cylinder pressure sensor circuit - Stop light switch circuit - ABS and TRACTION actuator 	BC-103
U0124/95	Lost Communication with Lateral Acceleration Sensor Module	<ul style="list-style-type: none"> - CAN communication system (Skid control ECU to yaw rate and acceleration sensor) 	BC-130

DTC of VSC sensor check function

DTC No.	Detection Item	Trouble Area	See page
C0371/71	Yaw Rate Sensor (Test Mode DTC)	<ul style="list-style-type: none"> - Yaw rate sensor - Yaw rate sensor circuit 	BC-96
C1379/74*	Downhill Assist Control Operation Switch (Test Mode DTC)	<ul style="list-style-type: none"> - Downhill assist control switch 	BC-119

HINT:

*: w/ Downhill assist control