

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 (05-1013)	Right front speed sensor	<ul style="list-style-type: none"> • Right front and/or left front speed sensor • Each speed sensor circuit • Sensor rotor • Sensor installation
C0205/32*1 (05-1013)	Left front speed sensor	
C0210/33*1 (05-1019)	Right rear speed sensor	<ul style="list-style-type: none"> • Right rear and/or left rear speed sensor • Each speed sensor circuit • Sensor rotor • Sensor installation
C0215/34*1 (05-1019)	Left rear speed sensor	
C0226/21 (05-1025)	SFR solenoid circuit	<ul style="list-style-type: none"> • Brake actuator assy • SFRH or SFRR circuit
C0236/22 (05-1025)	SFL solenoid circuit	<ul style="list-style-type: none"> • Brake actuator assy • SFLH or SFLR circuit
C0246/23 (05-1025)	SRR solenoid circuit	<ul style="list-style-type: none"> • Brake actuator assy • SRRH or SRRR circuit
C0256/24 (05-1025)	SRL solenoid circuit	<ul style="list-style-type: none"> • Brake actuator assy • SRLH or SRLR circuit
C0273/13*1 (05-1028)	Open circuit in ABS motor relay circuit	<ul style="list-style-type: none"> • ABS No.1 fuse • ABS MTR relay • ABS MTR relay circuit • ABS R/B
C0274/14 (05-1028)	Short circuit in ABS motor relay circuit	
C0278/11 (05-1034)	Open circuit in ABS solenoid relay circuit	<ul style="list-style-type: none"> • ABS No.3 fuse • Brake actuator assy (solenoid relay circuit)
C0279/12 (05-1034)	Short circuit in ABS solenoid relay circuit	
C1225/25 (05-1025)	SMC solenoid circuit (SM circuit)	<ul style="list-style-type: none"> • SMF or SMR circuit • Brake actuator assy
C1235/35 (05-1013)	Foreign matter is attached on the tip of the right front sensor	<ul style="list-style-type: none"> • Right front and/or left front speed sensor • Sensor rotor • Sensor installation
C1236/36 (05-1013)	Foreign matter is attached on the tip of the left front sensor	
C1238/38 (05-1019)	Foreign matter is attached on the tip of the right rear sensor	<ul style="list-style-type: none"> • Right rear and/or left rear speed sensor • Sensor rotor • Sensor installation
C1239/39 (05-1019)	Foreign matter is attached on the tip of the left rear sensor	
C1241/41 (05-1055)	Low battery positive voltage	<ul style="list-style-type: none"> • Battery • Charging system • Power source circuit
C1243/43*1 (05-1052)	Malfunction in deceleration sensor	<ul style="list-style-type: none"> • Yaw rate (deceleration) sensor • Yaw rate (deceleration) sensor circuit • CAN communication system
C1244/44 (05-1052)	Open or short in deceleration sensor	<ul style="list-style-type: none"> • Yaw rate (deceleration) sensor • Yaw rate (deceleration) sensor circuit • CAN communication system

C1245/45*1 (05-1052)	Malfunction in deceleration sensor	<ul style="list-style-type: none"> • Yaw rate (deceleration) sensor • Yaw rate (deceleration) sensor circuit • CAN communication system
C1246/46*2 (05-1058)	Malfunction in master cylinder pressure sensor	<ul style="list-style-type: none"> • Master cylinder pressure sensor • Master cylinder pressure sensor circuit
C1249/49 (05-1060)	Open circuit in stop light switch circuit	<ul style="list-style-type: none"> • Stop lamp switch assy • Stop lamp switch circuit
C1251/51*1 (05-1064)	Pump motor is locked Open circuit in pump motor ground	<ul style="list-style-type: none"> • Brake actuator assy
C1361/91 (05-1028)	Short circuit in ABS motor fail safe relay circuit	<ul style="list-style-type: none"> • ABS No.1 fuse • ABS CUT relay • ABS CUT relay circuit • ABS R/B
C1381/97 (05-1052)	Malfunction in power supply voltage yaw/deceleration sensor	<ul style="list-style-type: none"> • Yaw rate (deceleration) sensor • Yaw rate (deceleration) sensor circuit
U0121/94*3 (05-2174)	Malfunction in CAN communication	<ul style="list-style-type: none"> • Wire harness • Skid control ECU
U0124/95 (05-2174)	Malfunction in CAN communication with deceleration sensor	<ul style="list-style-type: none"> • Wire harness • Yaw rate (deceleration) sensor

*1, *2:

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

*3:

1MZ,3MZ

- *1:
 - (1) Drive the vehicle at 12 mph (20 km/h) for 30 seconds or more and check that the ABS warning light goes off.
 - (2) Clear the DTC (see page 05-1002).
- *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 vehicle speed of 31 mph (50 km/h) and keep depressing the brake pedal strongly for about 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 05-1002).

HINT:

In some cases, the hand-held tester cannot be used when the ABS warning light remains on.

DTC chart of VSC:

DTC No. (See Page)	Detection Item	Trouble Area
C1201/51 (05-1037)	Engine control system malfunction	Engine control system
C1203/53 (05-1038)	ECM communication circuit malfunction	<ul style="list-style-type: none"> • TRC+ or TRC- circuit (1MZ, 3MZ) • ENG+ or ENG- circuit (1MZ, 3MZ) • ECM • CAN communication system (2AZ)
C1210/36 (05-1042)	Zero point calibration of yaw rate sensor undone	<ul style="list-style-type: none"> • Yaw rate (deceleration) sensor • Zero point calibration not done
C1223/43 (05-1045)	ABS control system malfunction	ABS control system

C1224/44 (05-1046)	NE signal circuit	<ul style="list-style-type: none"> • NEO circuit • ECM • Brake actuator assy (skid control ECU)
C1231/31 (05-1049)	Malfunction in steering angle sensor circuit	<ul style="list-style-type: none"> • Steering angle sensor • Steering angle sensor circuit • CAN communication system
C1232/32 (05-1052)	Malfunction in deceleration sensor	<ul style="list-style-type: none"> • Yaw rate (deceleration) sensor • Yaw rate (deceleration) sensor circuit • CAN communication system
C1234/34 (05-1052)	Malfunction in yaw rate sensor	<ul style="list-style-type: none"> • Yaw rate (deceleration) sensor • Yaw rate (deceleration) sensor circuit • CAN communication system
C1336/39 (05-1042)	Zero point calibration of deceleration sensor undone	<ul style="list-style-type: none"> • Yaw rate (deceleration) sensor • Zero point calibration not done
U0073/94*4 (05-2174)	Malfunction in CAN communication system	<ul style="list-style-type: none"> • Wire harness • CAN system
U0100/65*4 (05-2174)	Malfunction in CAN communication system	<ul style="list-style-type: none"> • Wire harness • ECM system
U0123/62 (05-2174)	Malfunction in CAN communication with yaw rate sensor	<ul style="list-style-type: none"> • Wire harness • Yaw rate (deceleration) sensor
U0126/63 (05-2174)	Malfunction in CAN communication with angle position sensor	<ul style="list-style-type: none"> • Wire harness • Steering angle sensor

*4:

2AZ

HINT:

In some cases, the hand-held tester cannot be used when the VSC warning light remains on.

DTC of sensor check function:

Code No.	Diagnosis	Trouble Area
C1271/71	Low output voltage of right front speed sensor	<ul style="list-style-type: none"> • Right front speed sensor • Sensor installation • Sensor rotor
C1272/72	Low output voltage of left front speed sensor	<ul style="list-style-type: none"> • Left front speed sensor • Sensor installation • Sensor rotor
C1273/73	Low output voltage of right rear speed sensor	<ul style="list-style-type: none"> • Right rear speed sensor • Sensor installation • Sensor rotor
C1274/74	Low output voltage of left rear speed sensor	<ul style="list-style-type: none"> • Left rear speed sensor • Sensor installation • Sensor rotor
C1275/75	Abnormal change in output voltage of right front speed sensor	Right front sensor rotor
C1276/76	Abnormal change in output voltage of left front speed sensor	Left front speed sensor rotor
C1277/77	Abnormal change in output voltage of right rear speed sensor	Right rear sensor rotor
C1278/78	Abnormal change in output voltage of left rear speed sensor	Left rear speed sensor rotor
C1279/79	Deceleration sensor is faulty	<ul style="list-style-type: none"> • Yaw rate (deceleration) sensor • Sensor installation
C1281/81	Master cylinder pressure sensor output signal is faulty	Master cylinder pressure sensor
C0371/71	Yaw rate sensor output signal is faulty	Yaw rate (deceleration) sensor