

DIAGNOSTIC TROUBLE CODE CHART

NOTICE:

Before replacing or removing the part, turn the ignition switch OFF.

HINT:

- Using SST 09843-18040, connect the terminals Tc and CG of DLC3.
- If any abnormality is not found when inspecting parts, inspect the ECU.
- If a malfunction code is displayed during the DTC check, check the circuit listed for that code. For details of each code, turn to the page referred to under the "See page" for respective "DTC No." in the DTC chart.

DTC chart of ABS:

DTC No. (See Page)	Detection Item	Trouble Area
C0200 / 31*1 (DI-21)	Right front wheel speed sensor signal malfunction	<ul style="list-style-type: none"> • Right front, left front, right rear and left rear speed sensor • Each speed sensor circuit • Speed sensor rotor
C0205 / 32*1 (DI-21)	Left front wheel speed sensor signal malfunction	
C0210 / 33*1 (DI-21)	Right rear wheel speed sensor signal malfunction	
C0215 / 34*1 (DI-21)	Left rear wheel speed sensor signal malfunction	
C0226 / 21 (DI-28)	Open or short circuit of brake actuator solenoid circuit (SFR circuit)	<ul style="list-style-type: none"> • Brake actuator • SFRR or SFRH circuit
C0236 / 22 (DI-28)	Open or short circuit of brake actuator solenoid circuit (SFL circuit)	<ul style="list-style-type: none"> • Brake actuator • SFLR or SFLH circuit
C0246 / 23 (DI-28)	Open or short circuit of brake actuator solenoid circuit (SRR circuit)	<ul style="list-style-type: none"> • Brake actuator • SRRR or SRRH circuit
C0256 / 24 (DI-28)	Open or short circuit of brake actuator solenoid circuit (SRL circuit)	<ul style="list-style-type: none"> • Brake actuator • SRLR or SRLH circuit
C0273 / 13*1 (DI-32)	Open or short circuit of ABS motor relay circuit	<ul style="list-style-type: none"> • ABS motor relay • ABS motor relay circuit
C0274 / 14 (DI-32)	B+ short circuit of ABS motor relay circuit	
C0278 / 11 (DI-36)	Open or short circuit of ABS solenoid relay circuit	<ul style="list-style-type: none"> • ABS solenoid relay • ABS solenoid relay circuit
C0279 / 12 (DI-36)	B+ short circuit of ABS solenoid relay circuit	
C1225 / 25 (DI-28)	Open or short circuit of brake actuator solenoid circuit (SMFR, SMFL or SMR circuit)	<ul style="list-style-type: none"> • Brake actuator • SMFR, SMFL or SMR circuit
C1226 / 26 (DI-28)	Open or short circuit of brake actuator solenoid circuit (SPFR, or SPFL circuit)	<ul style="list-style-type: none"> • Brake actuator • SPFR or SPFL circuit
C1227 / 27 (DI-28)	Open or short circuit of brake actuator solenoid circuit (SRCF or SRCR circuit)	<ul style="list-style-type: none"> • Brake actuator • SRCF or SRCR circuit
C1235 / 35 (DI-21)	Foreign matter is attached on the tip of the right front sensor	<ul style="list-style-type: none"> • Right front, left front, right rear, left rear speed sensor • Speed sensor rotor
C1236 / 36 (DI-21)	Foreign matter is attached on the tip of the left front sensor	
C1238 / 38 (DI-21)	Foreign matter is attached on the tip of the right rear sensor	
C1239 / 39 (DI-21)	Foreign matter is attached on the tip of the left rear sensor	

C1241 / 41 (DI-60)	Low battery voltage or abnormally high battery voltage	<ul style="list-style-type: none"> Battery Charging system Power source circuit
C1243 / 43*1 (DI-64)	Malfunction in deceleration sensor (abnormal constant output)	<ul style="list-style-type: none"> Deceleration sensor Wire harness for deceleration sensor system
C1244 / 44 (DI-64)	Open or short circuit of deceleration sensor circuit	<ul style="list-style-type: none"> Deceleration sensor Deceleration sensor circuit
C1245 / 45*1 (DI-64)	Malfunction in deceleration sensor	<ul style="list-style-type: none"> Deceleration sensor Wire harness for deceleration sensor system
C1246 / 46*2 (DI-69)	Malfunction in master cylinder pressure sensor	<ul style="list-style-type: none"> Master cylinder pressure sensor Master cylinder pressure sensor circuit
C1249 / 49 (DI-72)	Open circuit of stop light switch circuit	<ul style="list-style-type: none"> Stop light switch Stop light switch circuit
C1251 / 51*1 (DI-75)	Pump motor is locked Open circuit of pump motor circuit	<ul style="list-style-type: none"> Brake actuator Brake actuator circuit
Always ON (DI-77)	Malfunction in skid control ECU ABS warning light circuit	<ul style="list-style-type: none"> Power source circuit ABS warning light circuit Skid control ECU

- *1: These DTC will not affect to cancel the ABS warning light by repairing the trouble area, so perform the following operations.
 - (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 DI-3)
- *2: These DTC will not affect to cancel the ABS warning light by repairing the trouble area, so perform the following operations.
 - (1) Keep the vehicle in the stationary condition for 5 seconds or more and depress the brake pedal lightly 2 or 3 times.
 - (2) Driving the vehicle at the vehicle speed 50 km/h (31 mph) 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 DI-3)

HINT:

There is a case that hand-held tester cannot be used when ABS warning light is always on.

DTC chart of VSC:

DTC No. (See page)	Detection Item	Trouble Area
C1201 / 51 (DI-41)	Engine and ECT ECU system malfunction	Engine control system
C1202 / 52 (DI-42)	Brake fluid level low Open circuit of brake fluid level warning switch circuit	<ul style="list-style-type: none"> Brake fluid level Brake fluid level warning switch Brake fluid level warning switch circuit
C1203 / 53 (DI-44)	Engine and ETC ECU communication circuit malfunction	<ul style="list-style-type: none"> BS2+ or BS2- circuit BS3+ or BS3- circuit Engine and ECT ECU Skid control ECU
C1210 / 36 (DI-46)	Zero point calibration of yaw rate sensor undone	<ul style="list-style-type: none"> Yaw rate sensor Yaw rate sensor circuit P range switch circuit
C1223 / 43 (DI-48)	Malfunction in ABS control system	ABS control system

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C1224 / 44 (DI-49)	Open or short circuit of NE signal circuit	<ul style="list-style-type: none"> • NEO circuit • Engine and ECT ECU
C1231 / 31 (DI-51)	Malfunction in steering angle sensor	<ul style="list-style-type: none"> • Steering angle sensor • Steering angle sensor circuit
C1232 / 32 (DI-54)	Malfunction in deceleration sensor	<ul style="list-style-type: none"> • Deceleration sensor • Deceleration sensor circuit
C1233 / 33 (DI-56)	Open or short circuit of yaw rate sensor circuit	<ul style="list-style-type: none"> • Yaw rate sensor • Yaw rate sensor circuit
C1234 / 34 (DI-56)	Malfunction in yaw rate sensor	
C1335 / 35 (DI-51)	Malfunction in steering angle sensor communication circuit	<ul style="list-style-type: none"> • Steering angle sensor • Steering angle sensor circuit
Always ON (DI-81)	Malfunction in skid control ECU VSC warning light circuit	<ul style="list-style-type: none"> • Power source circuit • VSC warning light circuit • Skid control ECU

HINT:

There is a case that hand-held tester cannot be used when VSC warning light is always on.