DI0WA–19

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 on inspected parts, inspect the ECU.
- If a malfunction code is displayed during the DTC check, check the circuit indicated by DTC. For details of each code, turn to the pages in 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–75)	Right front wheel speed sensor signal malfunction	• Right front, left front, right rear, left rear speed sensor • Each speed sensor circuit • Sensor rotor
C0205 / 32*1 (DI–75)	Left front wheel speed sensor signal malfunction	
C0210 / 33*1 (DI–75)	Right rear wheel speed sensor signal malfunction	
C0215 / 34*1 (DI–75)	Left rear wheel speed sensor signal malfunction	
C0226 / 21 (DI–82)	Open or short circuit in brake actuator solenoid circuit (SFR circuit)	• Brake actuator • SFRH or SFRR circuit
C0236 / 22 (DI–82)	Open or short circuit in brake actuator solenoid circuit (SFL circuit)	• Brake actuator • SFLH or SFLR circuit
C0246 / 23 (DI–82)	Open or short circuit in brake actuator solenoid circuit (SRR circuit)	• Brake actuator • SRRH or SRRR circuit
C0256 / 24 (DI–82)	Open or short circuit in brake actuator solenoid circuit (SRL circuit)	• Brake actuator • SRLH or SRLR circuit
C0273 / 13*1 (DI–85)	Open circuit in ABS MTR relay circuit	• ABS MTR relay • ABS MTR relay circuit
C0274 / 14 (DI–85)	Short circuit in ABS MTR relay circuit	
C0278 / 11 (DI–90)	Open circuit in ABS SOL relay circuit	• ABS SOL relay • ABS SOL relay circuit
C0279 / 12 (DI–90)	Short circuit in ABS SOL relay circuit	
C1225 / 25 (DI–104)	Open or short circuit in brake actuator solenoid circuit (SM circuit)	• Brake actuator • SM1 or SM2 circuit
C1235 / 35 (DI–75)	Foreign matter is attached on the tip of the right front sensor	• Right front, left front, right rear, left rear speed sensor • Sensor rotor
C1236 / 36 (DI–75)	Foreign matter is attached on the tip of the left front sensor	
C1238 / 38 (DI–75)	Foreign matter is attached on the tip of the right rear sensor	
C1239 / 39 (DI–75)	Foreign matter is attached on the tip of the left rear sensor	
C1241 / 41 (DI–117)	Low battery voltage	• Battery • Charging system • Power source circuit
C1243 / 43*1 (DI–120)	Malfunction in deceleration sensor (constant output)	• Deceleration sensor • Wire harness for deceleration sensor system

C1244/44 (DI-120)	Open or short circuit in deceleration sensor circuit	• Deceleration sensor • Deceleration sensor circuit
C1245/45*1 (DI-120)	Malfunction in deceleration sensor (output error)	• Deceleration sensor • Wire harness for deceleration sensor system
C1246/46*2 (DI-125)	Malfunction in master cylinder pressure sensor	• Master cylinder pressure sensor • Master cylinder pressure sensor circuit
C1249/49 (DI-128)	Open circuit in stop light switch circuit	• Stop light bulb • Stop light switch circuit
C1251/51*1 (DI-131)	ABS pump motor is locked Open circuit in pump motor circuit	ABS pump motor
C1361/91 (DI-125)	Short circuit in MTR CUT relay circuit	• ABS CUT relay • ABS CUT relay circuit
Always ON (DI-141)	Malfunction in skid control ECU	• Power source circuit • ABS warning light circuit • Multiplex communication circuit • Skid control ECU

*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 DI-53).
- *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 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-53).

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–96)	Malfunction in engine and ECT ECU	Engine control system
C1203 / 53 (DI–97)	Malfunction in engine and ECT ECU communication circuit	• TRC+ or TRC– circuit • ENG+ or ENG– circuit • Engine and ECT ECU
C1210/36 (DI–99)	Zero point calibration of yaw rate sensor undone	• Yaw rate sensor • Yaw rate sensor circuit • P position switch circuit
C1223 / 43 (DI–101)	Malfunction in ABS control system	ABS control system
C1224 / 44 (DI–102)	Open or short circuit in NEO signal circuit	• NEO circuit • Engine and ECT ECU
C1231 / 31 (DI–106)	Malfunction in steering angle sensor	• Steering angle sensor • Steering angle sensor circuit
C1232/32 (DI–111)	Malfunction in deceleration sensor	• Deceleration sensor • Deceleration sensor circuit
C1233 / 33 (DI–113)	Open or short circuit in yaw rate sensor circuit	• Yaw rate sensor • Yaw rate sensor circuit
C1234 / 34 (DI–113)	Malfunction in yaw rate sensor	
C1335 / 35 (DI–106)	Open circuit in steering angle sensor	• Steering angle sensor • Steering angle sensor circuit
C1336/39 (DI–134)	Zero point calibration of deceleration sensor undone	• Deceleration sensor • Deceleration sensor circuit • P position switch circuit
Always ON (DI–145)	Malfunction in skid control ECU Open circuit in VSC warning indicator circuit	• Power source circuit • Skid control ECU

HINT:
In some cases hand–held tester cannot be used when VSC warning light is always on.