

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-337) | Right front wheel speed sensor signal malfunction | <ul style="list-style-type: none"> • Right front, left front, right rear, left rear speed sensor • Each speed sensor circuit • Sensor rotor |
| C0205 / 32*1 (DI-337) | Left front wheel speed sensor signal malfunction | |
| C0210 / 33*1 (DI-337) | Right rear wheel speed sensor signal malfunction | |
| C0215 / 34*1 (DI-337) | Left rear wheel speed sensor signal malfunction | |
| C0226 / 21 (DI-343) | Open or short circuit in brake actuator solenoid circuit (SFR circuit) | <ul style="list-style-type: none"> • Brake actuator • SFRH or SFRR circuit |
| C0236 / 22 (DI-343) | Open or short circuit in brake actuator solenoid circuit (SFL circuit) | <ul style="list-style-type: none"> • Brake actuator • SFLH or SFLR circuit |
| C0246 / 23 (DI-343) | Open or short circuit in brake actuator solenoid circuit (SRR circuit) | <ul style="list-style-type: none"> • Brake actuator • SRRH or SRRR circuit |
| C0256 / 24 (DI-343) | Open or short circuit in brake actuator solenoid circuit (SRL circuit) | <ul style="list-style-type: none"> • Brake actuator • SRLH or SRLR circuit |
| C0273 / 13*1 (DI-345) | Open circuit in ABS MTR relay circuit | <ul style="list-style-type: none"> • ABS MTR relay • ABS MTR relay circuit |
| C0274 / 14 (DI-345) | Short circuit in ABS MTR relay circuit | |
| C0278 / 11 (DI-349) | Open circuit in ABS SOL relay circuit | <ul style="list-style-type: none"> • ABS SOL relay • ABS SOL relay circuit |
| C0279 / 12 (DI-349) | Short circuit in ABS SOL relay circuit | |
| C1225 / 25 (DI-361) | Open or short circuit in brake actuator solenoid circuit (SM circuit) | <ul style="list-style-type: none"> • Brake actuator • SMF or SMR circuit |
| C1226 / 26 (DI-361) | Open or short circuit in brake actuator solenoid circuit (SRM circuit) | <ul style="list-style-type: none"> • Brake actuator • SRMF or SRMR circuit |
| C1227 / 27 (DI-361) | Open or short circuit in brake actuator solenoid circuit (SRC circuit) | <ul style="list-style-type: none"> • Brake actuator • SRCF or SRCR circuit |
| C1235 / 35 (DI-337) | 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 • Sensor rotor |
| C1236 / 36 (DI-337) | Foreign matter is attached on the tip of the left front sensor | |
| C1238 / 38 (DI-337) | Foreign matter is attached on the tip of the right rear sensor | |
| C1239 / 39 (DI-337) | Foreign matter is attached on the tip of the left rear sensor | |

| | | |
|------------------------|--|--|
| C1241 41 (DI-370) | Low battery voltage | <ul style="list-style-type: none"> Battery Charging system Power source circuit |
| C1243 43*1 (DI-373) | Malfunction in deceleration sensor (constant output) | <ul style="list-style-type: none"> Deceleration sensor Wire harness for deceleration sensor system |
| C1244 44 (DI-373) | Open or short circuit in deceleration sensor circuit | <ul style="list-style-type: none"> Deceleration sensor Deceleration sensor circuit |
| C1245 45*1 (DI-373) | Malfunction in deceleration sensor (output error) | <ul style="list-style-type: none"> Deceleration sensor Wire harness for deceleration sensor system |
| C1246 46*2 (DI-377) | Malfunction in master cylinder pressure sensor | <ul style="list-style-type: none"> Master cylinder pressure sensor Master cylinder pressure sensor circuit |
| C1249 49 (DI-381) | Open circuit in stop light switch circuit | <ul style="list-style-type: none"> Stop light bulb Stop light switch circuit |
| C1251 51*1 (DI-384) | ABS pump motor is locked Open circuit in pump motor circuit | ABS pump motor |
| C1360 61 (DI-377) | Malfunction in comparative master cylinder pressure sensor | <ul style="list-style-type: none"> Master cylinder pressure sensor Master cylinder pressure sensor circuit |
| Always ON (DI-386) | Malfunction in skid control ECU | <ul style="list-style-type: none"> 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-318)
- *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-318)

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-353) | Malfunction in engine and ECT ECU | Engine control system |
| C1202 / 52 (DI-354) | Brake fluid level low Open circuit in 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-356) | Malfunction in engine and ECT ECU communication circuit | <ul style="list-style-type: none"> • TRC+ or TRC- circuit • ENG+ or ENG- circuit • Engine and ECT ECU |
| C1223 / 43 (DI-358) | Malfunction in ABS control system | ABS control system |
| C1224 / 44 (DI-359) | Open or short circuit in NEO signal circuit | <ul style="list-style-type: none"> • NEO circuit • Engine and ECT ECU |
| C1231 / 31 (DI-363) | Malfunction in steering angle sensor | <ul style="list-style-type: none"> • Steering angle sensor • Steering angle sensor circuit |
| C1233 / 33 (DI-367) | Open or short circuit in yaw rate sensor circuit | <ul style="list-style-type: none"> • Yaw rate sensor • Yaw rate sensor circuit |
| C1234 / 34 (DI-367) | Malfunction in yaw rate sensor | |
| C1335 / 35 (DI-363) | Open circuit in steering angle sensor | <ul style="list-style-type: none"> • Steering angle sensor • Steering angle sensor circuit |
| Always ON (DI-390) | Malfunction in skid control ECU Open circuit in VSC warning indicator circuit | <ul style="list-style-type: none"> • Power source circuit • Skid control ECU |

HINT:

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