

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 (05-991) | Right front wheel speed sensor signal malfunction | <ul style="list-style-type: none"> • Right front speed sensor • Speed sensor circuit • Sensor rotor • Sensor installation |
| C0205/32 (05-991) | Left front wheel speed sensor signal malfunction | <ul style="list-style-type: none"> • Left front speed sensor • Speed sensor circuit • Sensor rotor • Sensor installation |
| C0210/33 (05-998) | Right rear wheel speed sensor signal malfunction | <ul style="list-style-type: none"> • Right rear speed sensor • Speed sensor circuit • Sensor rotor • Sensor installation |
| C0215/34 (05-998) | Left rear wheel speed sensor signal malfunction | <ul style="list-style-type: none"> • Left rear speed sensor • Speed sensor circuit • Sensor rotor • Sensor installation |
| C1235/35 (05-1015) | Metal stick to speed sensor (FR) | <ul style="list-style-type: none"> • Right front speed sensor • Speed sensor circuit • Sensor installation |
| C1236/36 (05-1015) | Metal stick to speed sensor (FL) | <ul style="list-style-type: none"> • Left front speed sensor • Speed sensor circuit • Sensor installation |
| C1238/38 (05-1015) | Metal stick to speed sensor (RR) | <ul style="list-style-type: none"> • Right rear speed sensor • Speed sensor circuit • Sensor installation |
| C1239/39 (05-1015) | Metal stick to speed sensor (RL) | <ul style="list-style-type: none"> • Left rear speed sensor • Speed sensor circuit • Sensor installation |
| C1243/43 (05-1006) | Malfunction in deceleration sensor (constant output) | <ul style="list-style-type: none"> • Yaw rate (deceleration) sensor • Skid control ECU |
| C1244/44 (05-1006) | Open or short circuit in deceleration sensor circuit | <ul style="list-style-type: none"> • Yaw rate (deceleration) sensor • Yaw rate (deceleration) sensor installation • Zero point calibration not done • Skid control ECU |
| C1245/45 (05-1006) | Malfunction in deceleration sensor | <ul style="list-style-type: none"> • Yaw rate (deceleration) sensor • Zero point calibration not done • Skid control ECU |
| C1381/97 (05-1006) | Malfunction in power supply voltage of yaw/deceleration sensor | <ul style="list-style-type: none"> • Yaw rate (deceleration) sensor circuit • Harness and connector • Skid control ECU |

- (1) Drive the vehicle at the vehicle speed of 31 mph (50 km/h) and keep depressing the brake pedal strongly for approximately 3 seconds.
- (2) Repeat the above operation 3 times or more and check that the ABS warning light goes off.
- (3) Clear the DTC (see page 05-975).

HINT:

In some cases, the intelligent tester II cannot be used when ABS warning light remains on.

DTC chart of Enhanced VSC:

| DTC No. (See page) | Detection Item | Trouble Area |
|-----------------------|--|---|
| C1210/36 (05-1006) | Zero point calibration of yaw rate sensor undone | <ul style="list-style-type: none"> • Zero point calibration undone (Perform zero point calibration and check DTC. If DTC is not output again, the sensor is normal.) |
| C1231/31 (05-1011) | Malfunction in steering angle sensor | <ul style="list-style-type: none"> • Steering angle sensor • Skid control ECU |
| C1232/32 (05-1006) | Malfunction in deceleration sensor | <ul style="list-style-type: none"> • Yaw rate (deceleration) sensor • Skid control ECU |
| C1234/34 (05-1006) | Malfunction in yaw rate sensor | <ul style="list-style-type: none"> • Yaw rate (deceleration) sensor |
| C1310/51 (05-1055) | Malfunction in HV system | <ul style="list-style-type: none"> • Hybrid control system (Enhanced VSC, TRAC system) |
| C1336/39 (05-1006) | Zero point calibration of deceleration sensor undone | <ul style="list-style-type: none"> • Zero point calibration undone (Perform zero point calibration and check DTC. If DTC is not output again, the sensor is normal.) |

DTC chart of ECB:

| DTC No. (See page) | Detection Item | Trouble Area |
|-----------------------|--|--|
| C1202/68 (05-1003) | 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 • Harness and connector • Skid control ECU |
| C1241/41 (05-1019) | Low battery positive voltage or abnormally high battery positive voltage | <ul style="list-style-type: none"> • ABS No.1 relay • ABS No.2 relay • Harness and connector • Skid control power supply circuit • Brake control power supply assy • Hybrid control system |
| C1242/42 (05-1019) | Open circuit in IG2 circuit | <ul style="list-style-type: none"> • ABS No.1 relay • ABS No.2 relay • Harness and connector • Skid control power supply circuit • Brake control power supply assy • Hybrid control system |
| C1246/46 (05-1027) | Malfunction in master cylinder pressure sensor | <ul style="list-style-type: none"> • Brake actuator assy • Skid control ECU • Harness and connector |
| C1247/47 (05-1034) | Malfunction in stroke sensor | <ul style="list-style-type: none"> • Brake pedal stroke sensor • Skid control ECU • Harness and connector |

DIAGNOSTICS – ELECTRONICALLY CONTROLLED BRAKE SYSTEM

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|-----------------------|--|---|
| C1249/49 (05-1039) | Open circuit in stop light switch circuit | <ul style="list-style-type: none"> • Stop lamp switch • Stop lamp switch circuit • Stop lamp bulb |
| C1252/52 (05-1045) | Hydro-booster pump motor malfunction | <ul style="list-style-type: none"> • Brake actuator assy |
| C1253/53 (05-1045) | Hydro-booster pump motor relay malfunction | <ul style="list-style-type: none"> • ABS MTR relay • ABS MTR2 relay • Harness and connector • Brake actuator assy |
| C1256/57 (05-1053) | Accumulator low pressure malfunction | <ul style="list-style-type: none"> • Brake actuator assy (accumulator pressure, accumulator pressure sensor, pump motor) |
| C1259/58 (05-1055) | HV system regenerative malfunction | <ul style="list-style-type: none"> • Hybrid control system |
| C1300/- (05-1057) | Malfunction in ECU | <ul style="list-style-type: none"> • Skid control ECU |
| C1311/11 (05-1058) | Open circuit in main relay 1 | <ul style="list-style-type: none"> • ABS No.1 relay • Skid control ECU • Harness and connector |
| C1312/12 (05-1058) | Short circuit in main relay 1 | <ul style="list-style-type: none"> • ABS No.1 relay • Skid control ECU • Harness and connector |
| C1313/13 (05-1058) | Open circuit in main relay 2 | <ul style="list-style-type: none"> • ABS No.2 relay • Skid control ECU • Harness and connector |
| C1314/14 (05-1058) | Short circuit in main relay 2 | <ul style="list-style-type: none"> • ABS No.2 relay • Skid control ECU • Harness and connector |
| C1315/31 (05-1066) | Changeover solenoid malfunction(SMC1) | <ul style="list-style-type: none"> • Brake actuator assy (SMC1) • Skid control ECU • Harness and connector |
| C1316/32 (05-1066) | Changeover solenoid malfunction(SMC2) | <ul style="list-style-type: none"> • Brake actuator assy (SMC2) • Skid control ECU • Harness and connector |
| C1319/35 (05-1074) | Changeover solenoid malfunction(SCSS) | <ul style="list-style-type: none"> • Stroke simulator • Skid control ECU • Harness and connector |
| C1341/62 (05-1078) | Malfunction in hydraulic system(FR) | <ul style="list-style-type: none"> • Fluid leakage • Brake actuator assy • Disc rotor |
| C1342/63 (05-1078) | Malfunction in hydraulic system(FL) | <ul style="list-style-type: none"> • Fluid leakage • Brake actuator assy • Disc rotor |
| C1343/64 (05-1078) | Malfunction in hydraulic system(RR) | <ul style="list-style-type: none"> • Fluid leakage • Brake actuator assy • Disc rotor |
| C1344/65 (05-1078) | Malfunction in hydraulic system(RL) | <ul style="list-style-type: none"> • Fluid leakage • Brake actuator assy • Disc rotor |
| C1345/66 (05-1087) | Not learning linear valve offset abnormality | <ul style="list-style-type: none"> • Initialization of linear solenoid valve and calibration undone |
| C1352/21 (05-1066) | Increasing pressure solenoid malfunction(FR) | <ul style="list-style-type: none"> • Brake actuator assy • Skid control ECU • Harness and connector |

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| C1353/23 (05-1066) | Increasing pressure solenoid malfunction(FL) | <ul style="list-style-type: none"> • Brake actuator assy • Skid control ECU • Harness and connector |
| C1354/25 (05-1066) | Increasing pressure solenoid malfunction(RR) | <ul style="list-style-type: none"> • Brake actuator assy • Skid control ECU • Harness and connector |
| C1355/27 (05-1066) | Increasing pressure solenoid malfunction(RL) | <ul style="list-style-type: none"> • Brake actuator assy • Skid control ECU • Harness and connector |
| C1356/22 (05-1066) | Decreasing pressure solenoid malfunction(FR) | <ul style="list-style-type: none"> • Brake actuator assy • Skid control ECU • Harness and connector |
| C1357/24 (05-1066) | Decreasing pressure solenoid malfunction(FL) | <ul style="list-style-type: none"> • Brake actuator assy • Skid control ECU • Harness and connector |
| C1358/26 (05-1066) | Decreasing pressure solenoid malfunction(RR) | <ul style="list-style-type: none"> • Brake actuator assy • Skid control ECU • Harness and connector |
| C1359/28 (05-1066) | Decreasing pressure solenoid malfunction(RL) | <ul style="list-style-type: none"> • Brake actuator assy • Skid control ECU • Harness and connector |
| C1364/61 (05-1027) | Malfunction in W/C pressure sensor | <ul style="list-style-type: none"> • Brake actuator assy • Skid control ECU • Harness and connector |
| C1365/54 (05-1088) | Malfunction in ACC pressure sensor | <ul style="list-style-type: none"> • Brake actuator assy (accumulator pressure sensor) • Skid control ECU |
| C1368/67 (05-1088) | Linear valve offset malfunction | <ul style="list-style-type: none"> • Initialization of linear solenoid valve and calibration undone • Skid control ECU |
| C1377/43 (05-1092) | Capacitor malfunction | <ul style="list-style-type: none"> • Brake control power supply • Harness and connector • ABS No.1 fuse • ABS No.2 fuse • ABS No.3 fuse • Apply high voltage |
| C1378/44 (05-1099) | Capacitor communication circuit malfunction | <ul style="list-style-type: none"> • Harness and connector • Skid control ECU |
| C1391/69 (05-1103) | Abnormal leak of ACC PRESS | <ul style="list-style-type: none"> • Fluid leakage • Brake actuator assy |
| C1392/48 (05-1034) | Un-correction of a zero point of the stroke sensor | <ul style="list-style-type: none"> • Brake pedal stroke sensor zero point calibration undone (initialization of linear solenoid valve and calibration undone) • Skid control ECU |