

DIAGNOSTIC TROUBLE CODE CHART

DTC Chart of ABS:

DTC No.	Detection Item	Trouble Areas	See page
C0200/31 (*1)	Right Front Wheel Speed Sensor Signal Malfunction	<ol style="list-style-type: none"> 1. Right front speed sensor 2. Speed sensor circuit 3. Speed sensor rotor 4. Sensor installation 5. Master cylinder solenoid (skid control ECU) 	BC-130
C0205/32 (*1)	Left Front Wheel Speed Sensor Signal Malfunction	<ol style="list-style-type: none"> 1. Left front speed sensor 2. Speed sensor circuit 3. Speed sensor rotor 4. Sensor installation 5. Master cylinder solenoid (skid control ECU) 	BC-130
C0210/33 (*1)	Right Rear Wheel Speed Sensor Signal Malfunction	<ol style="list-style-type: none"> 1. Right rear speed sensor 2. Speed sensor circuit 3. Speed sensor rotor 4. Sensor installation 5. Master cylinder solenoid (skid control ECU) 	BC-130
C0215/34 (*1)	Left Rear Wheel Speed Sensor Signal Malfunction	<ol style="list-style-type: none"> 1. Left rear speed sensor 2. Speed sensor circuit 3. Speed sensor rotor 4. Sensor installation 5. Master cylinder solenoid (skid control ECU) 	BC-130
C0226/21	SFR Solenoid Circuit	<ol style="list-style-type: none"> 1. Master cylinder solenoid (skid control ECU) 2. SFRH or SFRR circuit 	BC-137
C0236/22	SFL Solenoid Circuit	<ol style="list-style-type: none"> 1. Master cylinder solenoid (skid control ECU) 2. SFLH or SFLR circuit 	BC-137
C0246/23	SRR Solenoid Circuit	<ol style="list-style-type: none"> 1. Master cylinder solenoid (skid control ECU) 2. SRRH or SRRR circuit 	BC-137
C0256/24	SRL Solenoid Circuit	<ol style="list-style-type: none"> 1. Master cylinder solenoid (skid control ECU) 2. SRRH or SRLR circuit 	BC-137
C0278/11	Open or Short Circuit in ABS Solenoid Relay Circuit	<ol style="list-style-type: none"> 1. ABS NO. 2 fuse 2. ABS solenoid relay 3. ABS solenoid relay circuit 4. Master cylinder solenoid (skid control ECU) 	BC-140
C0279/12	Short to B+ in ABS Solenoid Relay Circuit	<ol style="list-style-type: none"> 1. ABS NO. 2 fuse 2. ABS solenoid relay 3. ABS solenoid relay circuit 4. Master cylinder solenoid (skid control ECU) 	BC-140
C1225/25	SMC Solenoid Circuit	<ol style="list-style-type: none"> 1. Master cylinder solenoid (skid control ECU) 2. SMCR circuit 	BC-137
C1226/26	SPC Solenoid Circuit	<ol style="list-style-type: none"> 1. Master cylinder solenoid 2. SREA circuit 	BC-137
C1227/27	SRC Solenoid Circuit	<ol style="list-style-type: none"> 1. Master cylinder solenoid 2. SREC circuit 	BC-137
C1228/28	STR Solenoid Circuit	<ol style="list-style-type: none"> 1. Master cylinder solenoid 2. STR circuit 	BC-137
C1235/35	Foreign Object is Attached on Tip of Front Speed Sensor RH	<ol style="list-style-type: none"> 1. Master cylinder solenoid (skid control ECU) 2. Speed sensor 3. Speed sensor rotor 	BC-164

DTC No.	Detection Item	Trouble Areas	See page
C1236/36	Foreign Object is Attached on Tip of Front Speed Sensor LH	1. Master cylinder solenoid (skid control ECU) 2. Speed sensor 3. Speed sensor rotor	BC-164
C1238/38	Foreign Object is Attached on Tip of Rear Speed Sensor RH	1. Master cylinder solenoid (skid control ECU) 2. Speed sensor 3. Speed sensor rotor	BC-164
C1239/39	Foreign Object is Attached on Tip of Rear Speed Sensor LH	1. Master cylinder solenoid (skid control ECU) 2. Speed sensor 3. Speed sensor rotor	BC-164
C1241/41	Low Battery Positive Voltage	1. Battery 2. IG NO. 2 fuse 3. Charging system 4. Power source circuit	BC-169
C1242/42	IG2 Power Source Circuit	1. Battery 2. IC regulator 3. Power source circuit 4. Master cylinder solenoid (skid control ECU)	BC-174
C1243/43 (*1)	Acceleration Sensor Stuck Malfunction	1. Yaw rate and deceleration sensor 2. Yaw rate and deceleration sensor circuit	BC-161
C1244/44	Open or Short in Deceleration Sensor Circuit	1. Yaw rate and deceleration sensor 2. Yaw rate and deceleration sensor circuit	BC-161
C1245/45 (*1)	Acceleration Sensor Output Malfunction	1. Yaw rate and deceleration sensor 2. Yaw rate and deceleration sensor circuit	BC-161
C1246/46	Master Cylinder Pressure Sensor Malfunction	1. Master cylinder pressure sensor 2. Master cylinder pressure sensor circuit 3. Master cylinder solenoid (skid control ECU) 4. Stop light circuit	BC-177
C1248/48	Open Circuit in Rear Differential Lock	1. Transfer indicator switch (rear diff. lock) 2. Rear differential lock circuit 3. Master cylinder solenoid (skid control ECU)	BC-181
C1249/49	Open in Stop Light Switch Circuit	1. Stop light switch assembly 2. Stop light switch circuit 3. Master cylinder solenoid (skid control ECU)	BC-186
C1251/51 (*4)	Open in Pump Motor Circuit	Hydraulic brake booster pump motor circuit	BC-192
C1252/52 (*2) (*4)	Brake Booster Pump Motor on Time Abnormally Long	1. Hydraulic brake booster pump motor 2. Hydraulic brake booster pump motor circuit 3. Accumulator pressure	BC-194
C1253/53 (*2)	Hydro Booster Pump Motor Relay Malfunction	1. Hydraulic brake booster pump motor 2. Hydraulic brake booster pump motor circuit	BC-198

DTC No.	Detection Item	Trouble Areas	See page
C1254/54	Pressure Switch Circuit	1. Hydraulic brake booster 2. Accumulator pressure sensor 3. Master cylinder pressure sensor	BC-203
C1256/56 (*2) (*4)	Accumulator Low Pressure	1. Hydraulic brake booster 2. Hydraulic brake booster pump motor 3. Hydraulic brake booster pump motor circuit 4. Accumulator pressure sensor	BC-206
C1257/57	IG Power Source	Hydraulic brake booster pump motor circuit	BC-209
C1268/68 (*3)	Transfer "L4" Position Switch Circuit	1. Transfer indicator switch (L4 position) 2. Transfer indicator switch (L4 position) circuit 3. Master cylinder solenoid (skid control ECU)	BC-217
C1337/37	Different Diameter Tire Malfunction	1. Speed sensor 2. Speed sensor rotor 3. Speed sensor circuit 4. Tire sizes	BC-222
C1381/97	Yaw Rate and / or Acceleration Sensor Power Supply Voltage Malfunction	1. Yaw rate and deceleration sensor 2. Yaw rate and deceleration sensor circuit	BC-161

(*1), (*2):

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

- (*1):
 - (a) Drive the vehicle at 12 mph (20 km/h) for 30 seconds or more and check that the ABS warning light goes off.
 - (b) Clear the DTC.
- (*2):
 - (a) Keep the vehicle stationary for 5 seconds or more and depress the brake pedal several times.
 - (b) Repeat the above operation 3 times or more and check that the ABS warning light goes off.
 - (c) Clear the DTC.

(*3): 4WD

(*4): Skid control (VSC control) buzzer sounds.

HINT:

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

DTC Chart of VSC:

DTC No.	Detection Item	Trouble Areas	See page
C1201/51	Engine Control System Malfunction	Engine control system	BC-144
C1202/52	Brake Fluid Level Low / Open Circuit in Brake Fluid Level Warning Switch Circuit	1. Brake fluid level 2. Brake fluid level warning switch 3. Brake fluid level warning switch circuit 4. Master cylinder solenoid (skid control ECU)	BC-145

DTC No.	Detection Item	Trouble Areas	See page
C1202/58	Brake Fluid Level Low / Open Circuit in Brake Fluid Level Warning Switch Circuit	1. Brake fluid level 2. Brake fluid level warning switch 3. Brake fluid level warning switch circuit 4. Master cylinder solenoid (skid control ECU)	BC-145
C1203/53	ECM Communication Circuit Malfunction	1. CAN communication system 2. ECM	BC-149
C1210/36	Zero Point Calibration of Yaw Rate Sensor Undone	1. Yaw rate sensor and deceleration sensor 2. Zero point calibration not complete 3. PNP switch circuit (P position) (A/T) 4. Parking brake switch circuit (M/T)	BC-150
C1223/43	ABS Control System Malfunction	ABS control system	BC-156
C1231/31	Steering Angle Sensor Circuit Malfunction	1. Master cylinder solenoid (skid control ECU) 2. Steering angle sensor 3. Steering angle sensor circuit 4. CAN communication system	BC-157
C1232/32	Stuck in Deceleration Sensor	1. Yaw rate and deceleration sensor 2. Yaw rate and deceleration sensor circuit	BC-161
C1234/34	Yaw Rate Sensor Malfunction	1. Yaw rate and deceleration sensor 2. Yaw rate and deceleration sensor circuit	BC-161
C1258/58	Transfer 4WD Position Switch Circuit	1. Transfer indicator switch (4WD position) 2. Transfer indicator switch (4WD position) circuit 3. Master cylinder solenoid (skid control ECU)	BC-210
C1290/66	Steering Angle Sensor Zero Point Malfunction	Steering angle sensor	BC-157
C1336/39	Zero Point Calibration of Acceleration Sensor Undone	1. Yaw rate sensor and deceleration sensor 2. Zero point calibration not complete 3. PNP switch circuit (P position) (A/T) 4. Parking brake switch circuit (M/T)	BC-150
C1380/64	Stop Light Control Relay Malfunction	1. Stop light switch assembly 2. Stop light switch circuit 3. STOP LP CTRL relay 4. Master cylinder solenoid (skid control ECU)	BC-224

HINT:

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