

## ABS MALFUNCTION LIST

DTC	Malfunction	Possible Causes	Possible Impact	Recommended Measures
C1101	ECU Voltage supply: high voltage	Poor connect of battery terminal.	ABS alarms and not working.	Clean the terminal.
C1102	ECU Voltage supply: low voltage	Poor connect of battery terminal.	ABS alarms and not working.	Clean the terminal.
C1200	Wheel-speed sensor, front: signal cable is short or open circuit; power supply cable is open circuit	Poor connect of sensor cable.	ABS alarms and not working.	Check the cable connection.
C1201	Wheel-speed sensor, front: (signal failure) out of range, lost, noise, Intermittent	Dirt on the sensor probe or tone wheel.	ABS alarms and not working.	Clean the probe and tone wheel.
C1202	Wheel-speed sensor, front: general error	Too much gap between the sensor probe with tone wheel.	ABS alarms and not working.	Check the distance between the sensor probe with tone wheel.
C1206	Wheel-speed sensor, rear: signal cable is short or open circuit; power supply cable is open circuit	Poor connect of sensor cable.	ABS alarms and not working.	Check the cable connection.
C1207	Wheel-speed sensor, rear: (signal failure) out of range, lost, noise, Intermittent	Dirt on the sensor probe or tone wheel.	ABS alarms and not working.	Clean the probe and tone wheel.
C1208	Wheel-speed sensor, rear: general error	Too much gap between the sensor probe with tone wheel.	ABS alarms and not working.	Check the distance between the sensor probe with tone wheel.

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C1604	ECU error (hardware, Micro-controller error)	ABS Internal damage	ABS internal damage and not working.	Replace ABS
C2308	Valve fault, inlet valve front	ABS Internal damage	ABS internal damage and not	Replace ABS
C2312	Valve fault, outlet valve front	ABS Internal damage	ABS internal damage and not	Replace ABS
C2324	Valve fault, inlet valve rear	ABS Internal damage	ABS internal damage and not working.	Replace ABS
C2328	Valve fault, outlet valve rear	ABS Internal damage	ABS internal damage and not working.	Replace ABS
C2112	Valve relay error	ABS Internal damage	ABS internal damage and not working.	Replace ABS
C2402	Reflux pump fault	ABS Internal damage	ABS internal damage and not working.	Replace ABS
C2501	Brake pedal switch error	Poor connection of ABS brake pedal signal cable. Too much ground resistance.	ABS can't detect the braking signal. No alarming.	Check the cable connection. Check the ground resistance of brake pedal cable.



No.	System or component	Error code	Error description	Driver behavior
13	Front Oxygen Sensor	P2A00	Front oxygen sensor signal activate failure	Check if the front oxygen sensor is connected effectively. If the error still persist ask for assistance.
14		P00D1	Front oxygen sensor heating circuit low current	
15	Fuel Pump Relay (FPR)	P0232	FPR Coil Circuit High Voltage	Check if the fuel pump relay is connected effectively. If the error still persist ask for assistance.
16		P0231	FPR Coil Circuit Low Voltage or Open	
17	Front Oxygen Sensor	P014D	Slow response of front oxygen sensor from thin to thick	Check if the front oxygen sensor is connected effectively. If the error still persist ask for assistance.
18		P014C	Slow response of front oxygen sensor from thick to thin	
19	ECU Read-Only Memory	P0601	ECM ROM validation error	Remove ECM and plug again. If the error still persist ask for assistance.
20	1st Cylinder Injector	P0262	1st cylinder injector short circuit to high voltage	Check if the front oxygen sensor is connected effectively. If the error still persist ask for assistance.
21		P0261	1st cylinder injector short circuit to low voltage/open circuit	
22	Intake Pressure	P3106	Low intake pressure in steady state	Check if the intake manifold pressure sensor is connected effectively. If the error still persist ask for assistance.
23	Manifold Absolute Pressure Sensor (MAP)	P0108	MAP Circuit High Voltage	
24		P0107	MAP Circuit Low Voltage or Open	
25	Intake Pressure Sensor	P0105	Intake pressure sensor signal	
26		P0109	Intake pressure sensor signal error fluctuation	
27	Intake Temperature Sensor	P0114	Intake temperature sensor signal error fluctuation	Check if the intake air temperature sensor is connected effectively. If the error still persist ask for assistance.
28	Intake Air Temperature Sensor (IAT)	P0113	IAT Circuit High Voltage or Open	
29		P0112	IAT Circuit Low Voltage	

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30	Intake Temperature Sensor	P0111	Intake temperature sensor signal stuck	
31	MIL	P0650	MIL Circuit Malfunction	Check if there's history error. Reset. If the error still persist ask for assistance.
32	Front Oxygen Sensor	P2195	Front oxygen sensor PE too thin	Check if the front oxygen sensor is connected effectively. If the error still persist ask for assistance.
33		P2196	Front oxygen sensor too thick when fuel cutoff for deceleration	
34	Oxygen Sensor	P0132	O2S 1 Circuit High Voltage	
35		P0131	O2S 1 Circuit Low Voltage	
36	1st cylinder	P0301	1st cylinder not working	
37	Oxygen Sensor Heater	P0031	O2S Heater Circuit Low Voltage/Open Circuit	
38		P0032	O2S Heater Circuit High Voltage	
39	System Voltage	P0563	System Voltage High	Check if the voltage regulator is connected effectively. Reset. If the error still persist ask for assistance.
40		P0562	System Voltage Low	
41	Vehicle Speed Sensor	P0500	VSS No Signal	Check if the vehicle speed sensor is connected effectively. Use multimeter to check the voltage (12V-14.7V normally). If the error still persist ask for assistance.
42	Secondary air compensating valve	P2257	Secondary air compensating valve open circuit/short circuit low voltage	Check if the secondary air compensating valve is connected effectively. If the error still persist ask for assistance.
43		P2258	Secondary air compensating valve short circuit high voltage	

No.	System or component	Error code	Error description	Driver behavior
44	Park Neutral Switch Diag	P0850	Park Neutral Switch Error	Check if the park neutral switch is connected effectively. If the error still persist ask for assistance.
45	Tachometer	P1693	Tachometer Circuit Low Voltage	Check if the crankshaft position sensor is connected effectively. If the error still persist ask for assistance.
46		P1694	Tachometer Circuit High Voltage	
47	Idle Control System	P0505	Idle Speed Control Error	Check if the circuit is connected effectively. Reset. If the error still persist ask for assistance.
48	Injector	P0201	Injector 1 Circuit Malfunction	Check if the injector 1 is connected effectively. If the error still persist ask for assistance.