

Fault Codes

The LED readout screen displays fault codes that provide information about the machine operating status and about malfunctions. The fault codes listed in the following charts describe malfunctions and can aid in troubleshooting the machine by pinpointing the area or component affected.



List of Fault Codes		
Display	Description	Lift Reaction
01 System Initialization Fault	System Initialization Fault	Disables All Motion
02 System Communication Fault	System Communication Fault	Disables All Motion
03 Invalid Option Setting Fault	Invalid Option Setting Fault	Disables All Motion
04 Calibration Incomplete	Calibration Incomplete	Warning Only
05 Left MC Fault	Left MC Fault	Disables All Motion
06 Right MC Fault	Right MC Fault	Disables All Motion
07 Lift MC Fault	Lift MC Fault	Disables All Motion
08 Steer MC Fault	Steer MC Fault	Disables All Motion
09 Left MC Communication Fault	Left MC Communication Fault	Disables All Motion
10 Right MC Communication Fault	Right MC Communication Fault	Disables All Motion
11 Pump MC Communication Fault	Pump MC Communication Fault	Disables All Motion
12 Steer MC Communication Fault	Steer MC Communication Fault	Disables All Motion
13 Chassis Up or Down Switch ON	Chassis Up or Down Switch ON	Disables All Motion
14 Load Sensor Communication Fault	Load Sensor Communication Fault	Disables All Motion
18 Pothole Guard Fault	Pothole Guard Fault	Disable Lifting and Driving
31 Load Sensor Fault	Load Sensor Fault	Disables All Motion
32 Angle Sensor Fault	Angle Sensor Fault	Disables All Motion
36 Low Battery Limp	Low Battery Limp	Drive speed limit
37 Battery Sleep	Battery Sleep	Warning Only
42 Platform Left Button ON	Platform Left Button ON	Warning Only
43 Platform Right Button ON	Platform Right Button ON	Warning Only
46 Platform Enable Button ON	Platform Enable Button ON	Disable Platform Control
47 Joystick Not In Neutral	Joystick Not In Neutral	Drive speed limit
68 Battery Low Voltage Fault	Battery Low Voltage Fault	Disables All Motion
80 Platform Load is over 80%	Platform Load is over 80%	Warning Only
90 Platform Load is over 90%	Platform Load is over 90%	Warning Only
99 Platform Load is over 99%	Platform Load is over 99%	Warning Only
100 Machine Inclined	Machine Inclined	Disable Lifting and Driving
100 Platform Overloaded	Platform Overloaded	Disable All Motion
101 Restore Parameters to Default	Restore Parameters to Default	Warning Only
102 Battery is draining	Battery is draining	Battery is draining

List of Fault Codes (Motor Controller)			
Display	Description	Display	Description
1037	Contactors Closed	2216	EB. Coil Open
1038	Contactors Open	2218	Sens Mot Temp KO
1060	Capacitor Charge	2220	Vkey Off Shorted

List of Fault Codes (Motor Controller)			
Display	Description	Display	Description
1062	TH. Protection	2223	Contactor Coil Short
1065	Motor Temperat.	2227	Current Sensor Fault
1066	Battery Low	2229	Hard Fault
1080	Forward and backward	2230	Contactor Coil Open
1153	Encoder Error	2248	No CAN Msg.
1175	Speed FB. Error	3037	Contactor Closed
1177	EB. Coil Short	3038	Contactor Open
1178	Motor Temp. Stop	3060	Capacitor Charge
1180	Overload	3062	TH. Protection
1196	Motor Phase Short	3065	Motor Temperat.
1200	Vdc Off Shorted	3066	Battery Low
1202	Vdc Link Overv.	3080	Forward and backward
1207	Motor Phase Open	3153	Encoder Error
1211	Stall Rotor	3175	Speed FB. Error
1212	Parameter Error	3177	EB. Coil Short
1216	EB. Coil Open	3178	Motor Temp. Stop
1218	Sens Mot Temp KO	3180	Overload
1220	Vkey Off Shorted	3196	Motor Phase Short
1223	Contactor Coil Short	3200	Vdc Off Shorted
1227	Current Sensor Fault	3202	Vdc Link Overv.
1229	Hard Fault	3207	Motor Phase Open
1230	Contactor Coil Open	3211	Stall Rotor
1248	No CAN Msg.	3212	Parameter Error
2037	Contactor Closed	3216	EB. Coil Open
2038	Contactor Open	3218	Sens Mot Temp KO
2060	Capacitor Charge	3220	Vkey Off Shorted
2062	TH. Protection	3223	Contactor Coil Short
2065	Motor Temperat.	3227	Current Sensor Fault
2066	Battery Low	3229	Hard Fault
2080	Forward and backward	3230	Contactor Coil Open
2153	Encoder Error	3248	No CAN Msg.
2175	Speed FB. Error	4038	Main Contactor Open
2177	EB. Coil Short	4062	TH. Protection
2178	Motor Temp. Stop	4180	Overload
2180	Overload	4202	Over Voltage Fault
2196	Motor Phase Short	4211	Stall Rotor
2200	Vdc Off Shorted	4220	Low Voltage Fault
2202	Vdc Link Overv.	4229	Hard Fault
2207	Motor Phase Open	5180	Overload
2211	Stall Rotor	5211	Stall Rotor
2212	Parameter Error		

Electrical Schematic

