



We Reinvented The Wheel



POWER CHAIR FAULT CODES

Flash Code	Fault Description	Actions
0	No Indicator Light when Key is 'ON'	<ul style="list-style-type: none">•Check that the Battery to Controller Connector is securely attached•Check the Battery Terminals for proper connection and for Corrosion•Using a Volt Meter Manually Check that the Batteries are putting out at LEAST 15 volts•Check Supply Fuses and Main circuit Breaker



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Flash Code	Fault Description	Actions
1	Low Battery Voltage	<ul style="list-style-type: none">•Check ALL Battery Terminals for proper connection and for Corrosion•Using a Volt Meter Manually Check that the Batteries are putting out at LEAST 15 volts together AND that BOTH Batteries Voltage Output is within 3% of Each Other.•Load Test each Battery to see if its Life Span has been Exhausted.



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Flash Code	Fault Description	Actions
2	High Battery Voltage	<ul style="list-style-type: none">•Check the Output of the Battery Charger – It should NOT Produce more than 28 Volts.•Is the Correct CTM Approved Charger being used?•Battery Standing voltage, with Charger Removed should never be higher than 30 volts.



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Flash Code	Fault Description	Actions
3	LEFT Motor Fault	<ul style="list-style-type: none">•Check the MOTOR and BRAKE wiring•Left and Right Motor Resistance at the Connector should be < 1 Ohm, but > than 100 milli Ohms
4	RIGHT Motor Fault	<ul style="list-style-type: none">•Resistance between either Motor Contact and the Motor Housing must be more than 1 MEG Ohm•Disconnect BOTH Motors and Brakes and Cycle the Controller OFF and ON. If problem persists, the controller may be at fault.



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Flash Code	Fault Description	Actions
5	LEFT or RIGHT Parking Brake Fault	<ul style="list-style-type: none">•Check ALL BRAKE Terminals for proper Connection and for Corrosion•Using an Ohm Meter, Disconnect Each Brake and measure that the FIELD COIL RESISTANCE is between 20 and 100 Ohms•Inspect for Proper and Secure Placement and Mounting of inner Brake Assembly.



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Flash Code	Fault Description	Actions
6	Controller Fault	<ul style="list-style-type: none">•Disconnect BOTH Drive Units and Cycle the Key Switch OFF then ON. If Flash Code 6 still occurs, Controller Fault is Confirmed.•Disconnect BOTH Drive Units and Cycle the Key Switch OFF then ON. Briefly Deflect the Joystick. If Flash Code now indicates “LEFT MOTOR FAULT” then Controller is Confirmed GOOD.



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Flash Code	Fault Description	Actions
7	Motor Stalled or Joystick Out-of-Neutral Time Out	<ul style="list-style-type: none">•Check that the Joystick is Released and in Neutral when the Key is Switched ON.•Check for any Mechanical Obstruction•Check Supply Fuses and Main circuit Breaker



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GLOSSARY OF TERMS

BATTERY	Cells arranged under the seat for storing electricity
BRAKE	Electro-Mechanical Friction Plate which locks the motor upon throttle release, to prevent roll-away.
CARBON BRUSH	A spring loaded, solid conductive block that delivers DC current to a rotating armature inside the motor.
CHARGER	Device used for refilling battery with electricity.
CONTROLLER	The 'brains' of the scooter. Regulates power coming in from battery and out to motor (s).
KEY SWITCH	Master switch for turning vehicle ON and OFF.
MOTOR	Converts electricity into rotating power to drive the vehicle wheels via a gear set.
THROTTLE	Input lever to regulate Forward and Reverse speed.
TRANSAXLE	A gear set to modify motor output into a slower speed and higher torque to the drive wheels.