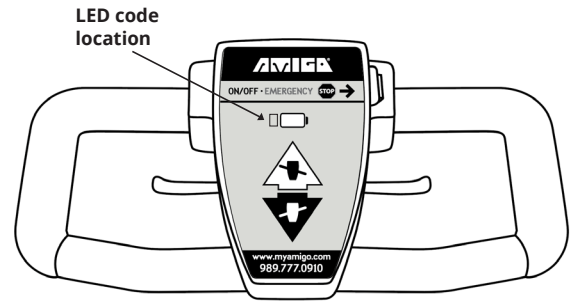


DIAGNOSTICS CODES

The Amigo controller has a built-in diagnostic feature that displays a number when a service issue has occurred. When a service issue occurs, a numeric code will display to the left of the battery gauge. Follow the guide below to determine the problem. If a service problem is indicated, contact your local service representative, or call the Amigo service department at **1-800-248-9131** for instructions to verify and correct the problem. .



Note: First solution listed for each diagnostic code will fix that problem 80% of the time. Attempt solutions in the order listed.

LED CODE	CAUSE	SOLUTIONS
1	EM Brake windings or connections are shorted	<ol style="list-style-type: none"> (1) Unplug handle cable and plug back in. (2) Check all wiring connections and output. (3) Disconnect brake and cycle key, if code changes to 1-2, replace brake. (4) Replace controller.
2	EM Brake windings or connections are open or EM brake release lever in "freewheeling position"	<ol style="list-style-type: none"> (1) Ensure EM brake lever is in normal/drive position (SmartShopper only). (2) Unplug handle cable and plug back in. (3) Check all wiring connections and output. (4) Replace brake. (5) Replace controller.
3	Motor windings or connections are shorted	<ol style="list-style-type: none"> (1) Check motor wiring connections. (2) Disconnect brake and cycle key, if code changes to 2-2, replace motor. (3) Replace controller.
4	Motor windings or connections are open	<ol style="list-style-type: none"> (1) Ensure EM brake lever is in normal/drive position. (2) Check motor wiring connections. (3) Replace motor. (4) Replace controller.
5	Throttle hall effect or throttle circuitry reading fail band fault	<ol style="list-style-type: none"> (1) Check to ensure handle cable is in good condition. (2) Check that throttle lever moves freely and returns to center. (3) Replace throttle hall effect.
6	Over temperature condition	<ol style="list-style-type: none"> (1) Allow to sit idle for 15 minutes, restart and see if code disappears. (2) Ensure EM brake and / or motor is not causing excessive amperage draw. (3) Replace controller.
7	Charger not dropping back into "float mode" during battery charge cycle	<ol style="list-style-type: none"> (1) Replace charger wiring. (2) Replace battery charger. (3) Replace controller.
8	Power shortage	<ol style="list-style-type: none"> (1) Check / replace batteries. (2) Check / replace controller.
8	Controller drive FETS shorted	<ol style="list-style-type: none"> (1) Replace controller.
8	Controller regenerative braking FETS shorted	<ol style="list-style-type: none"> (1) Replace controller.