

Applies to:

Envoy 8+

Diagnostics

Below is a break down of the flash sequence giving an indication of the area which is at fault. If there is a fault present the controller will indicate the fault by a flash sequence.

In the event of a fault being detected, the 3 left most LEDs on the battery gauge will flash green followed by the 3 right most LEDs flashing red. This sequence will continue for approximately 15 seconds until the fault is displayed by one of the LEDs flashing.

The battery gauge will continue flashing until the fault is rectified and the keyswitch has been cycled



<p>1st LED solid RED 2nd LED flash RED * * - - - - -</p>	<p>Low Battery. Battery voltage has dropped below 23.3V. Recharge batteries as soon as possible.</p>
<p>1st LED flash RED * - - - - -</p>	<p>Battery voltage too low. Voltage has dropped below 16.5V. Recharge batteries then check the battery, connections and wiring.</p>
<p>All LEDs flash * * * * * * *</p>	<p>Battery voltage too high. Unplug the charger from the scooter if it is plugged in. Turn the scooter off and on. Reduce speed down any gradients to minimize regenerative charging.</p>
<p>2nd LED flash RED - * - - - - -</p>	<p>Current limit time-out or Controller Too Hot. The scooter may have stalled. Turn the scooter off for a few minutes and turn back on again. Check the motor and associated connections and wiring.</p>
<p>3rd LED flash RED - - * - - - -</p>	<p>Brake Fault. Either a park brake release switch is active or the park brake is faulty. Check the park brake and associated connections and wiring. Ensure the freewheel lever is in the DRIVE position.</p>
<p>4th LED flash AMBER - - - * - - -</p>	<p>Out of Neutral at Power Up. Return wigwag paddle to neutral then turn off and on again. If problems persist, wigwag paddle may need re-calibrating.</p>
<p>5th LED flash GREEN - - - * - -</p>	<p>Speed Pot Error. Wigwag paddle or its wiring is faulty. Check the paddle is calibrated and check for open or short circuits.</p>
<p>6th LED flash GREEN - - - - * -</p>	<p>Motor Volts Error. Motor or its wiring is faulty. Check the paddle is calibrated and check for open or short circuits.</p>
<p>7th LED flash GREEN - - - - - * *</p>	<p>Internal Controller Fault. Check all connections and wiring. If symptoms persist, contact Drive Medical</p>