

### BATTERY SERVICE

**Purpose:** To ensure the longevity and performance of the battery

**Reference:** Razor Battery on Razor Drives

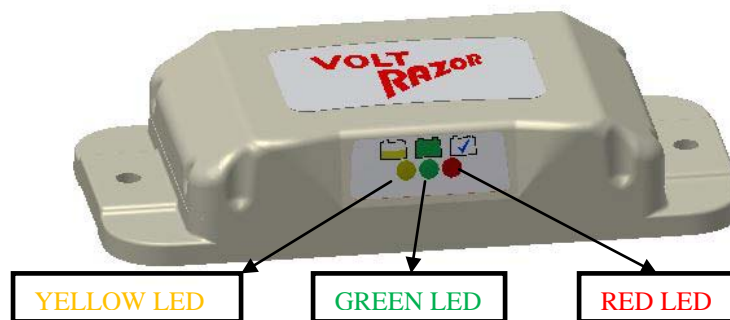
**Product affected:** All Versions of the Razor Drive Systems

**Symptom:** **Low battery voltage, which could be caused by:**

1. Battery not receiving charge
2. Loss of voltage across harness connectors
3. Battery failure typically a cell failure

Note: Blown 40A fuse is systematic of failure of the razor controller.

**Procedure:** 1. If the battery is not receiving a charge (Red Led not illuminate), then the voltage supply could be a fault due to the condition of the connectors of the harnesses or failure of the battery charger(refer Fig 1).



**Fig 1**

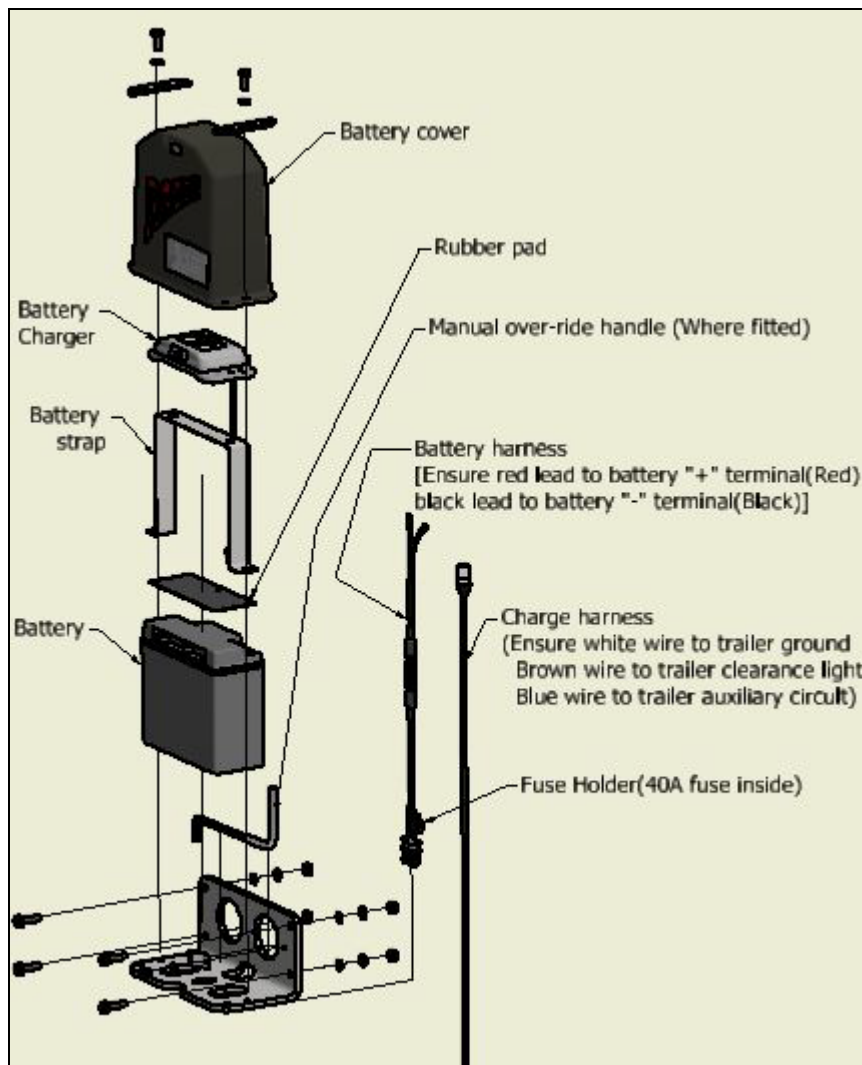
Red LED	This indicates that voltage supply is connected
Yellow LED	This indicates that the battery requires to be charged
Green LED	This indicates that the battery is fully charged

**Table 1**

If the two LEDs( Red & Yellow or Red & Green) do not illuminate as Table 1 is showing when the power supply from truck or trailer battery is connected (and above 9 volts), then the battery charger needs to be replaced.

2. With ongoing use there may be dirt or corrosion in the plugs of battery harness and charge harness (which leads to loss of voltage across harness connectors), if so they will need to be cleaned & sprayed with water inhibitor as per Fig 2 below.

3. If the battery has failed, then the battery needs to be replaced.  
Note: For good battery life, the battery should never be left uncharged for any period.



**Fig 2**