



# Service Bulletin: 2

## Revision: 1

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# Battery Service

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

**Reference:** Razor Battery on Razor Drive Units

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

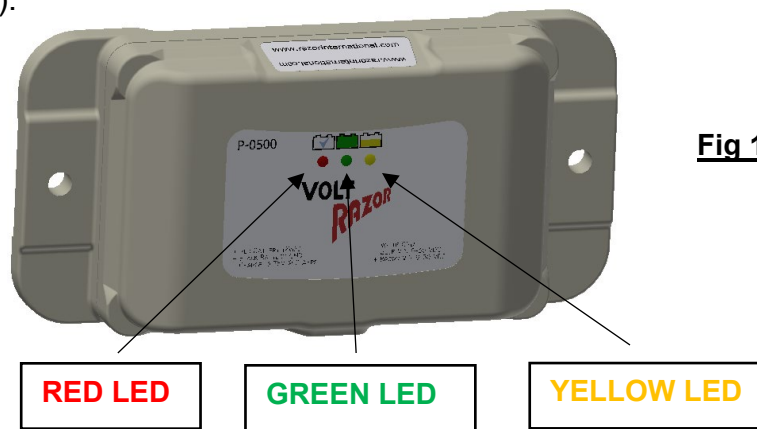
**Symptom:** Low battery voltage, which could be caused by:

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 does 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**).



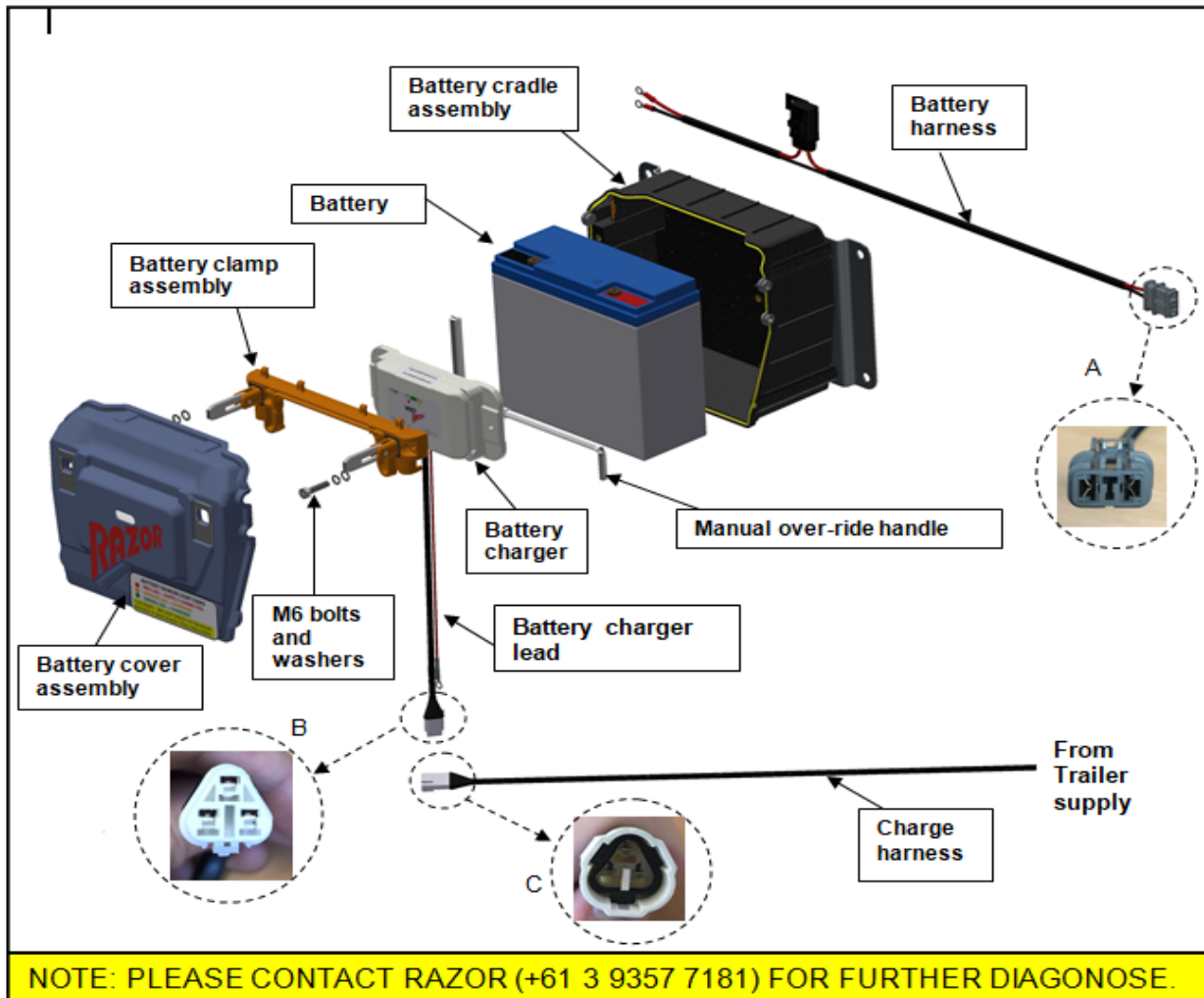
**Fig 1**

**Table 1**

<b>RED LED</b>	This indicates that voltage supply is connected.
<b>YELLOW LED</b>	This indicates that the battery is charging.
<b>GREEN LED</b>	This indicates that the battery is fully charged.

2. With ongoing use there may be dirt or corrosion in the plugs of battery harness and/or 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** details of plugs as per below view **A**, **B**, **C**).
3. If the battery has failed, then the battery needs to be replaced as per **Fig 2**.  
*Note: For good battery life, the battery should never be left uncharged for any period.*

**Fig 2**



Note: If two LEDs (RED & YELLOW or RED & GREEN) are not illuminated as per **Table 1** is showing, when the power supply from truck is connected (and Battery is above 9 Volts), then the battery charger needs to be replaced as per **Fig 2**.