



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**).

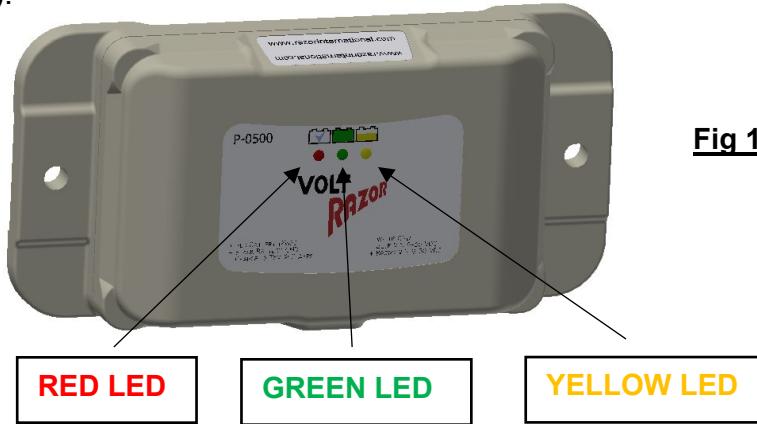


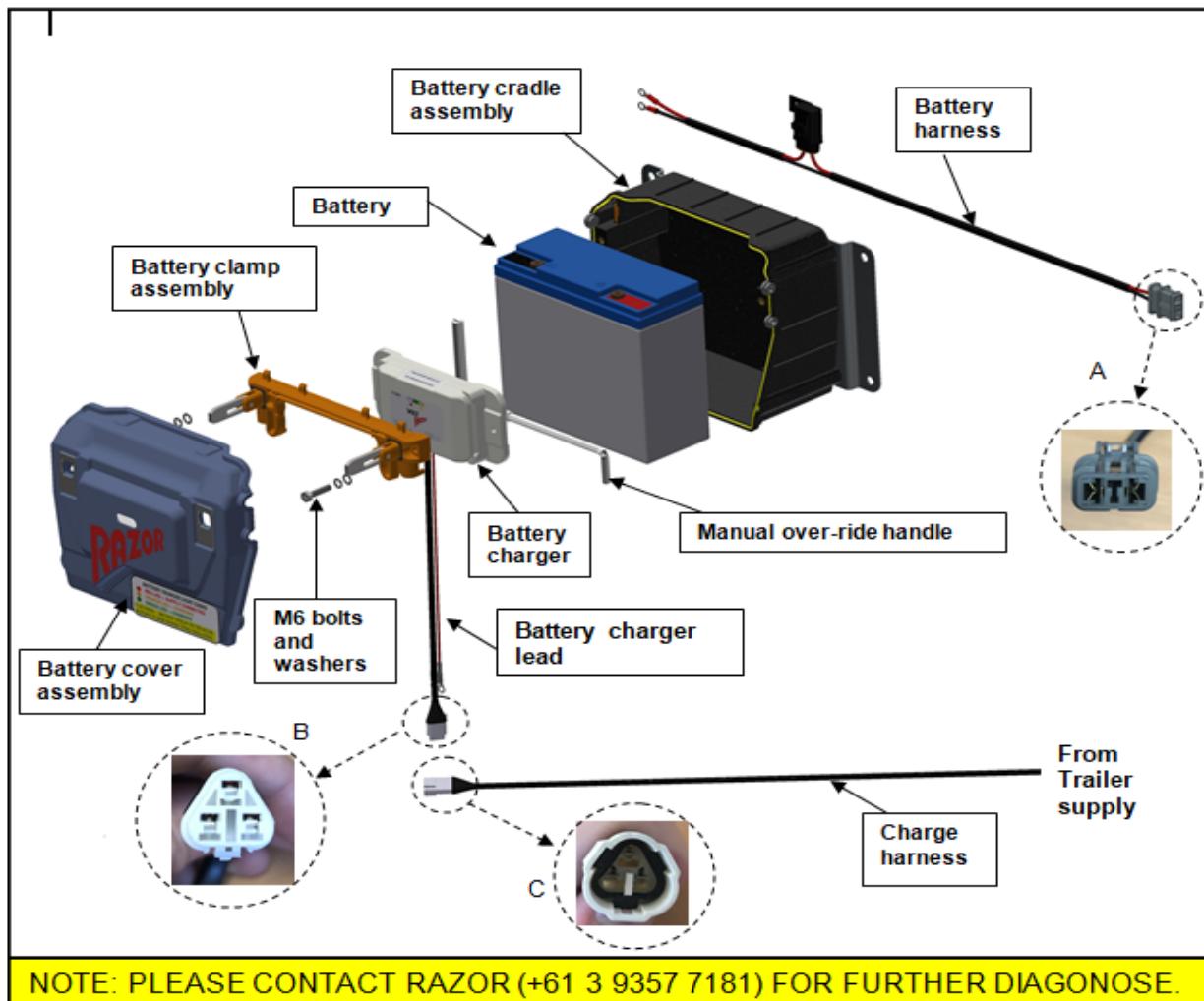
Fig 1

Table 1

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

- 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**).
- 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**.