



# Service Bulletin: 11

## Revision: 1

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# General Service (Drive Unit)

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**Purpose:** To provide service checks on Razor Drive Units.

**Product Affected:** Razor Drive Units.

**Symptom:** Drive Unit won't operate, which could be caused by:

1. Flat Battery (5 **YELLOW** FLASHES)
2. Faulty Controller/Electronics
3. Loose/Tight Brake
4. Bad Connection
5. Broken Gears or Physical damage to Razor or Tarp System

### IF THERE ARE **NO** LED LIGHTS ON CONTROLLER

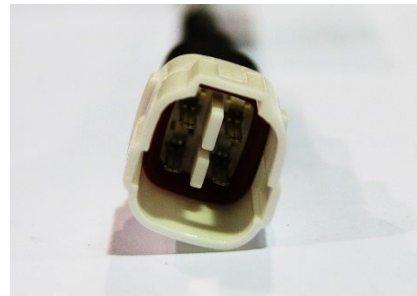
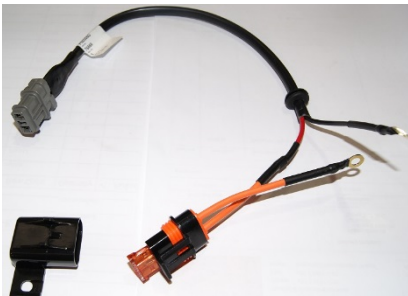
#### Checks:

1. Check the Battery Fuse and replace if blown (40 AMP Fuse).



2. Check the Battery Voltage (Must be at least 12 Volts), if Voltage shows 14 Volts or more without charger connected, the battery must be replaced.

3. Check Battery Terminals and Harness Plugs, service these as required to ensure a proper electrical connection.



## IF THERE ARE LED LIGHTS ON CONTROLLER

### Checks:

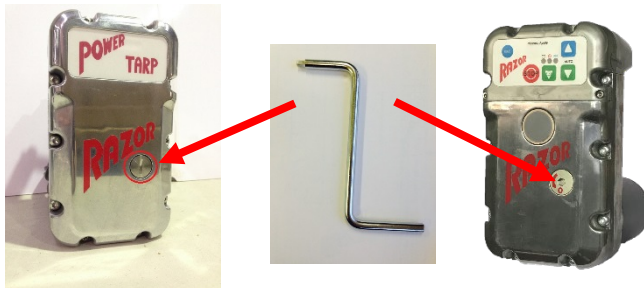
1. Check the Brake Operation, checking if the brake parts are worn, tight or loose.
  - Disengage the brake by lifting the toggle and test the performance by running the Unit.
  - Then while running the unit, flick the toggle back down to engage brake.
  - If Unit keeps running to end of travel, but won't start again with the brake engaged, will indicate the brake pad will need to be replaced.

*Note: The motor brake is a serviceable item (See RAZOR BRAKE SERVICE BULLETIN)*

or



- If the Unit isn't keeping tension, this could indicate that the brake is worn, or the tarp mechanism isn't operating properly.
2. Check the Manual Override Function, making sure the Unit can run smoothly with no fault.
    - Remove ¼ Turn Cap and fit Manual Handle (in Battery Housing), then first wind with brake engaged (shouldn't be able to move the tarp).
    - Then disengage brake and begin to operate tarp with a manual wind.



- If the Unit won't start, disengage brake, and Unit won't operate again, use manual handle (in Battery Housing) to manually operate Tarp to perform a mechanical check.  
*Note: This check will determine if there is a brake issue or a mechanical fault in the Tarp System.*
3. Check for physical damage, any damage could affect the performance of the Drive Unit.

**IF THERE ARE FURTHER ISSUES OR UNCERTAINTY WHEN PERFORMING CHECKS/SERVICES, PLEASE CONTACT YOUR RAZOR PRODUCT SUPPLIER.**