

# INSTALLATION

**Step3:**  
Align hole in shaft horizontally with Drive pin and insert  
*(Note: Ensure the slot of Drive pin at 12 o'clock position)*

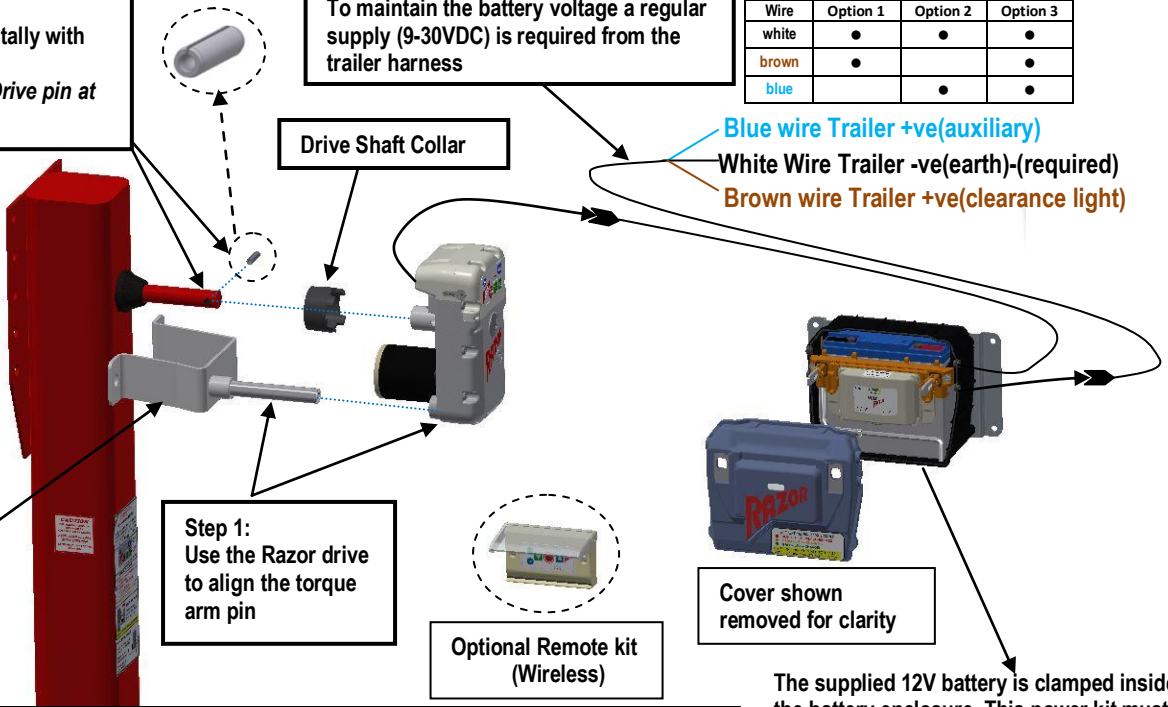
To maintain the battery voltage a regular supply (9-30VDC) is required from the trailer harness

Connection options			
Wire	Option 1	Option 2	Option 3
white	•	•	•
brown	•		•
blue		•	•

Blue wire Trailer +ve(auxiliary)  
White Wire Trailer -ve(earth)-(required)  
Brown wire Trailer +ve(clearance light)

**Step 2:**  
Tighten torque arm bolts, ensuring Razor drive is free to slide along torque arm pin after tightening.  
*(Note: For each commercial leg, there will be a unique torque arm to match.)*

**Step 1:**  
Use the Razor drive to align the torque arm pin



Optional Remote kit (Wireless)

Cover shown removed for clarity

The supplied 12V battery is clamped inside the battery enclosure. This power kit must be fitted to a sturdy location on the trailer close enough for wiring harnesses to connect to the Drive unit.  
*(Note: Battery is maintenance free sealed 12V20Ah lead acid.)*

**Caution:**

- Razor Drive is not to be operated without torque arm fitted.
- The Razor Drive in conjunction with landing legs can create high forces. Ensure the supplied caution labels are fitted to each leg to avoid possible injury from high force created.
- This Razor Drive unit **MUST NOT** be installed on a trailer used for transporting flammable goods without approval from the relevant authority.

## SERVICE

- Check cable plugs (at trailer service intervals) to ensure they are clean and dry inside. Faults can arise from bad electrical connections. If moisture is detected within the connector plugs or on the battery terminals, apply a suitable conductive moisture inhibitor.
- The operation may rely on use of both gears in the leg and this is achieved by sliding the RAZOR in and out on torque arm. If it is hard to slide along the torque arm. Ensure there is no build up dirt causing a binding effect, clean as required. (may require drive to be removed and refitted)
- All parts of the RAZOR are replaceable if damaged. To replace a controller, undo the 2 off M4 bolts and remove controller by gently tapping on the back of controller as per below image(Detailed procedures refer separate Tech bulletin 7). Any authorized service centre can provide this service if required.



- Batteries have a limited life (typically 5 years). A well maintained battery will achieve the best life. Keeping the battery as fully charged as possible at all times is critical. Long idle periods for the trailer (several months) could result in reduced battery life if the RAZOR is left connected.

**RAZOR**

## WARRANTY

**RAZOR**

### WHAT'S COVERED

Razor International Pty Ltd (Razor) warrants to the original retail purchaser that all of its products sold as new and installed in accordance with Razor's fitting instructions, will be free from defects in material or workmanship under normal use and service for a period of 12 months from the date of purchase ("the warranty period").

### WHAT'S NOT

This warranty excludes damage from accidents, objects striking RAZOR, misuse of RAZOR, alterations to RAZOR, air-borne fallout, (such as loads carried on the trailer or thrown up from the road and road wheels), windstorm, lightning, hailstorm and improper maintenance.

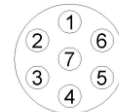
### OTHER TERMS

To the greatest extent permitted by law any warranty or guarantee either expressed or implied which varies in any way from this written warranty is excluded. Notwithstanding the provision of the warranty Razor and its authorised associates will not be responsible for any consequential loss or damage whatsoever and no such claims will be accepted. Warranty repairs will be covered for a period of 90 days or until the end of the original warranty period, whichever is the longer.

### WARRANTY ADJUSTMENTS

Razor or an authorised associate can only honour this warranty. All warranty claims are to be submitted to Razor. Razor will investigate warranty claims and where possible respond to the customer within 7 days. Subject to Razor review and approval, all RAZOR parts or units found to be defective and within the warranty period, will be repaired or replaced with an unit, as appropriate, at the sole discretion of Razor. This warranty gives you specific legal rights. You may also have other rights, which may vary from territory to territory.

### Appendix – Trailer Wiring



7 Pole Socket  
(view from Rear)

A.S. Pin	SAE Pin	Connect to	Colour
1	5	Left Flasher	Yellow
2	6	Reversing	Black
3	1	Earth	White
4	3	Right Flasher	Green
5	7	Service Brakes (Auxiliary)	Blue
6	4	Stop	Red
7	2	Tail, Licence & Clearance	Brown

A.S. pin refers to the configuration in accordance with Australian Standard 2513-1982 and ADR 42/02. The SAE pin is where a SAE (American Standard) connector is used. Typically this is evidenced by the larger pin in the "1" position.