

VERSA 3.2TB Power Vertical Bike Rack

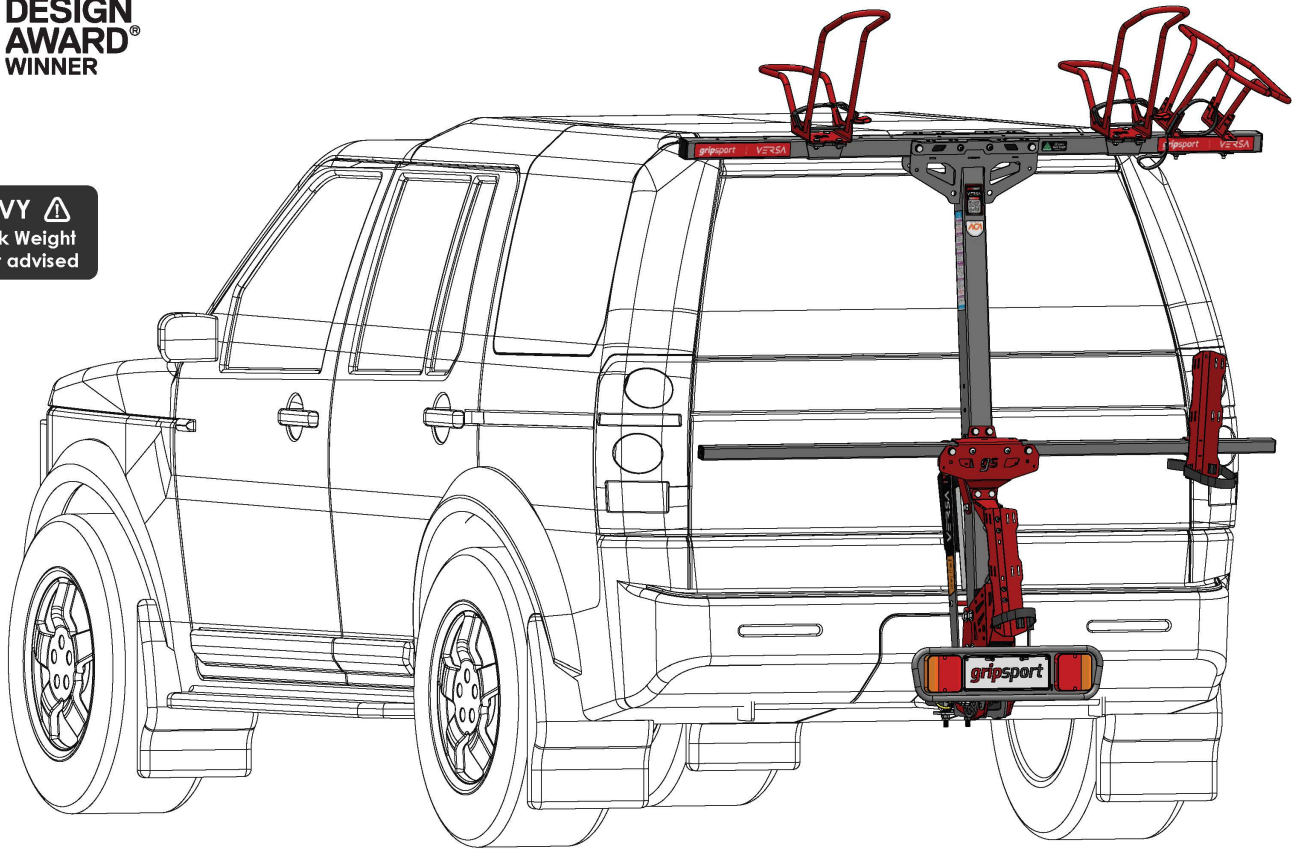
Assembly instructions

gripsport

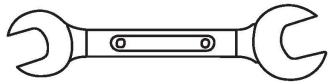


Pictured:
Trike with Straddle Taquito
+ 1x Bike Wheel Basket

HEAVY
45+kg Rack Weight
2 person lift advised

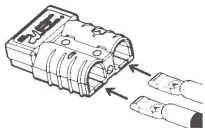


Required:



- 24mm
- 17mm
- 16mm
- 15mm
- 13mm

- 3mm
- 4mm
- 5mm
- 6mm



Anderson Plug
Power Connection



7 Pin Flat
Trailer Socket



Rated: 70kg Total maximum
50x50mm Square Hitch Mount only
Light Off-Road use limited
Check Vehicle & Tow Bar Rating

Warranty:
5 year limited lifetime.
See all details online at:
www.gripsport.com.au/terms-conditions



Bike Racks. Built Tough.



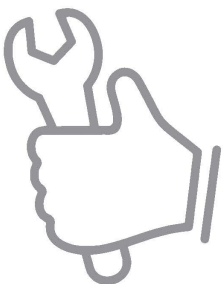
/gripsport.real



@gripsportbikeracks



bit.ly/GripSportVideos



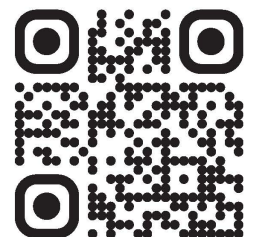
Hand tools assembly only.
Do not use power tools.



Read and refer to this manual to ensure correct assembly and installation.
See also: Fitting Guide



Danger of accident and injury if these instructions are not followed. If unsure, contact gripsport or get a qualified installer to assist.

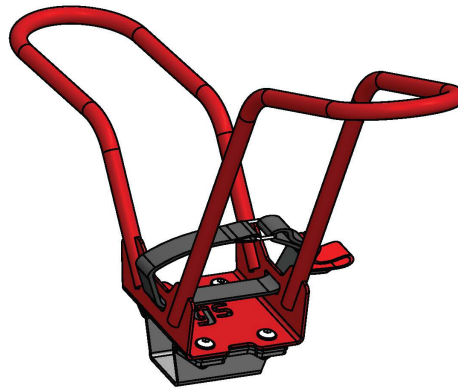
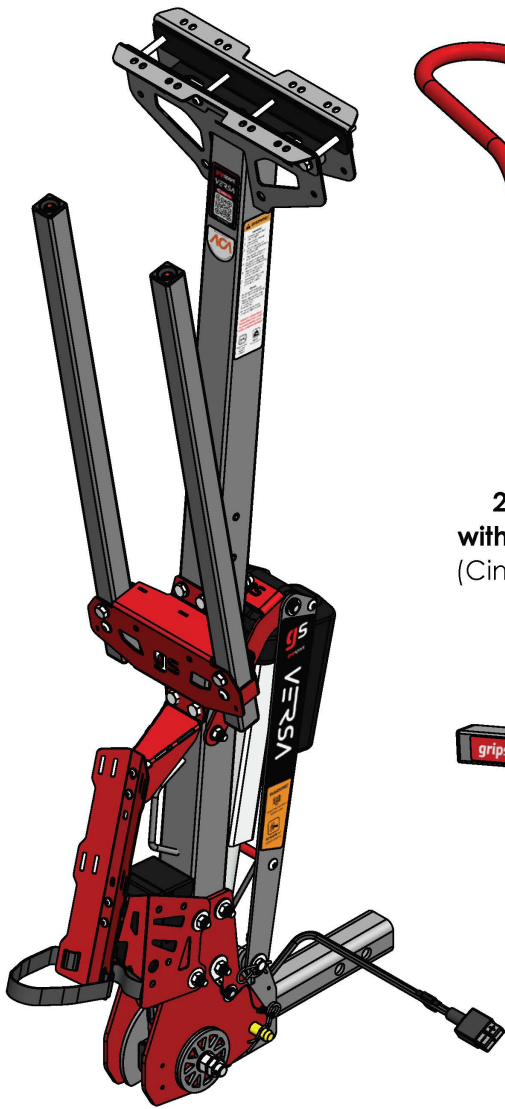


website info at:
www.gripsport.com.au

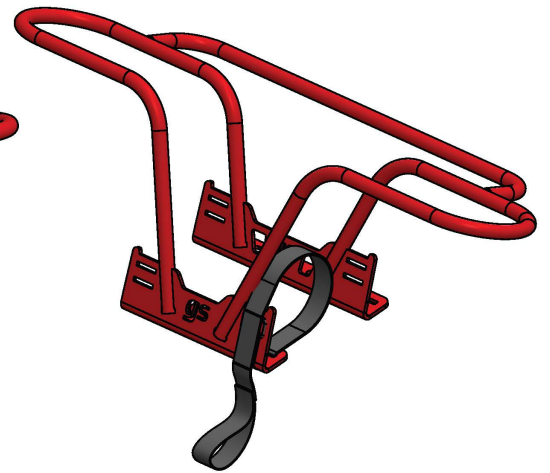
Versa 3.2 Power - Parts List

gripsport

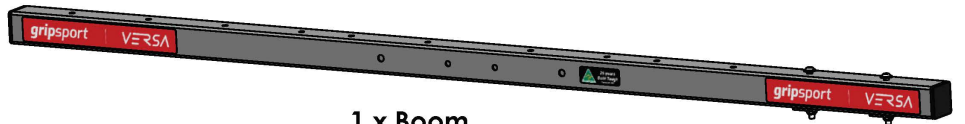
1x trike & 1x Bike, Power Rack quantities shown below.



2 x Trike Wheel Basket with Top Hat Sliding Bracket
(CinchStraps with grab loop pre-fitted)

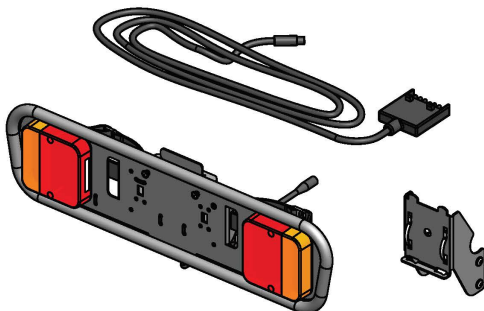


1 x Bike Wheel Basket
(WrapStraps with grab loop pre-fitted for use on large wheel basket)

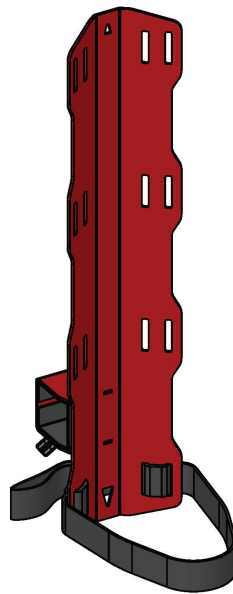


1 x Boom
(Loosely fitted Dogbone/s and Bolts for Basket)

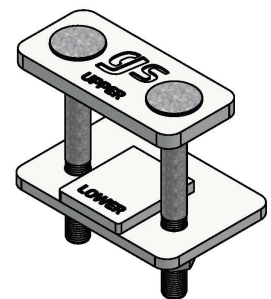
1 x Mast Assembly pre-fitted with Straddle Taquito and Rack Light Arms
(Loosely fitted bolts for Arms)



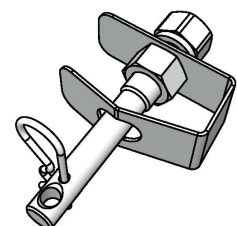
1 x Rack Light + Mount Bracket (Flap Trigger style) with detachable cable and 7-pin Flat plug connector
(mount low on rack else directly on bikes)



1 x XL Taquito
(WrapStrap with grab loop pre-fitted)



1 x Hitch Clamp

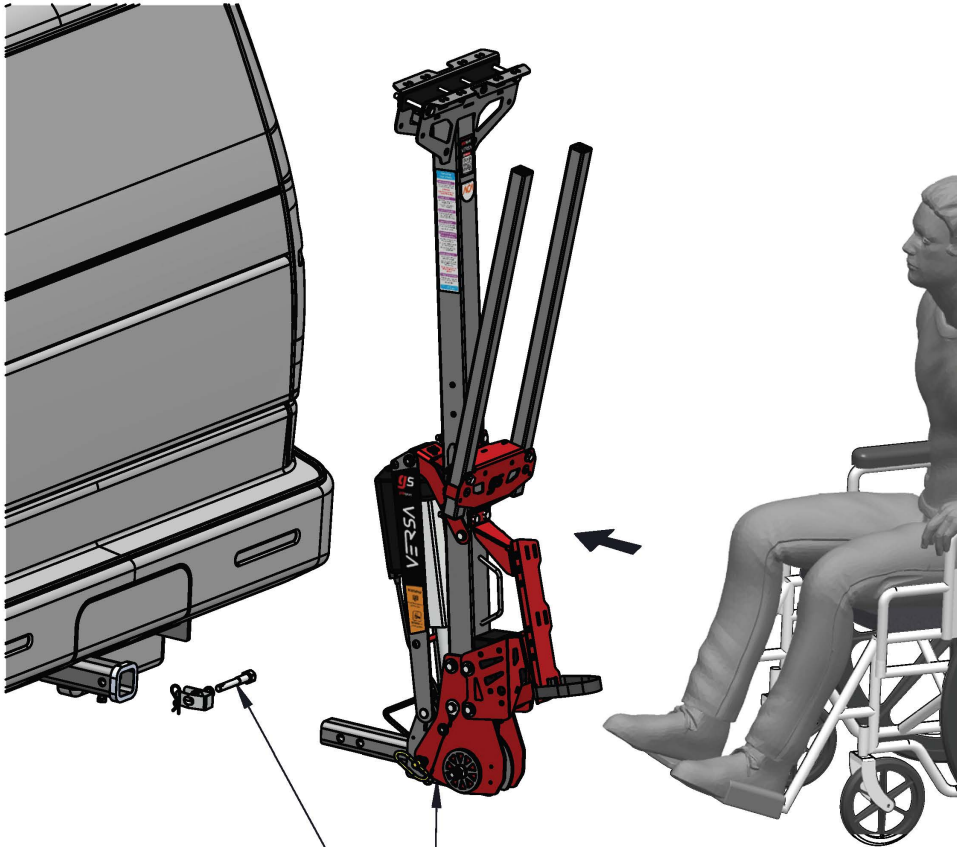


1 x Hitch Stabiliser
(with extra hole for padlock)

1. Install Hitch Stabiliser, Hitch Arm & Hitch Clamp

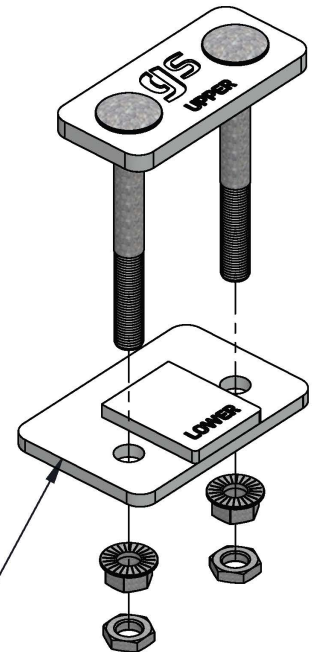
gripsport

**KEEP VERY TIGHT
CHECK REGULARLY
OVER ROUGH TERRAIN**



(a) Insert Hitch Stabiliser into Bike Rack Hitch Arm. See diagram on pack for directions.

(b) Insert Bike Rack Hitch Arm into vehicle hitch up to desired position and secure accordingly. Tighten the Safety Pin and fit the supplied R Clip.



Hitch Clamp

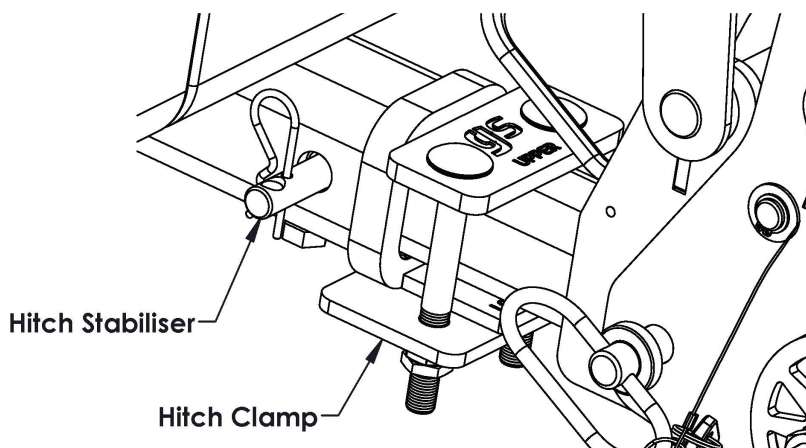
(c) Fit the Hitch Clamp over the top/bottom of the protruding Hitch Arm, making sure to catch the bottom edge of the Tow Bar Hitch with the Lower Plate. The Upper Plate only rests on top of the Bike Rack Hitch Arm.

Alternatively, you may wish to sit the Mast assembly on the ground, resting securely against a bench, or similar. Take care not to scratch the underside of the Hitch Hub.

The installation should look like this below:

Secure the large nuts underneath, one after another until tight, pulling the rack downwards. Advance the nuts to a very tight limit.

Once the nuts are both equally very tight, screw on the thin locking nuts, and nip up to avoid large nuts loosening.



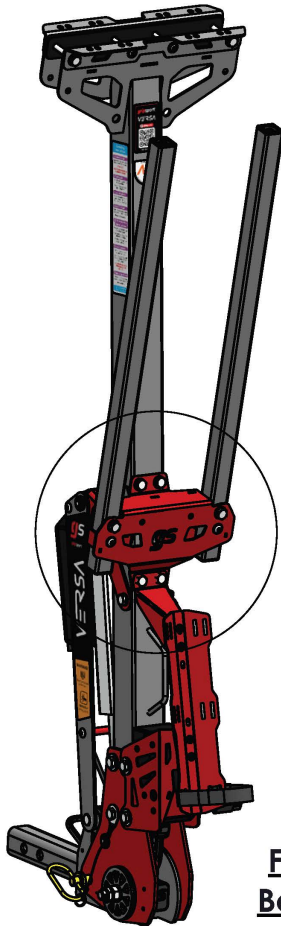
Recommend 60% of tow bar down rating including rack & bikes

Vehicle & Tow Bar combination	Towball down-weight limit	60% of down-weight limit	Rack	Trike + Bike	Total Load	Suitable?
eg; Ford Ranger + towing pack & towbar	350kg	210kg	45kg	45 + 25 = 70kg	115kg	Yes
eg; Nissan Xtrail SUV + Class 4 Tow Bar	200kg	120kg	45kg	45 + 25 = 70kg	115kg	Yes
eg; Toyota Rav4 SUV + Class 4 Tow Bar	150kg	90kg	45kg	45 + 25 = 70kg	115kg	No
eg; Toyota Rav4 SUV + Class 4 Tow Bar	150kg	90kg	45kg	45 + 0 = 45kg	90kg	Yes
eg; Hyundai i30 Sedan + Class 4 Tow Bar	120kg	72kg	45kg	45 + 0 = 45kg	90kg	No
eg; Hyundai i30 Sedan + Class 4 Tow Bar	120kg	72kg	45kg	0 + 25 = 25kg	70kg	Yes

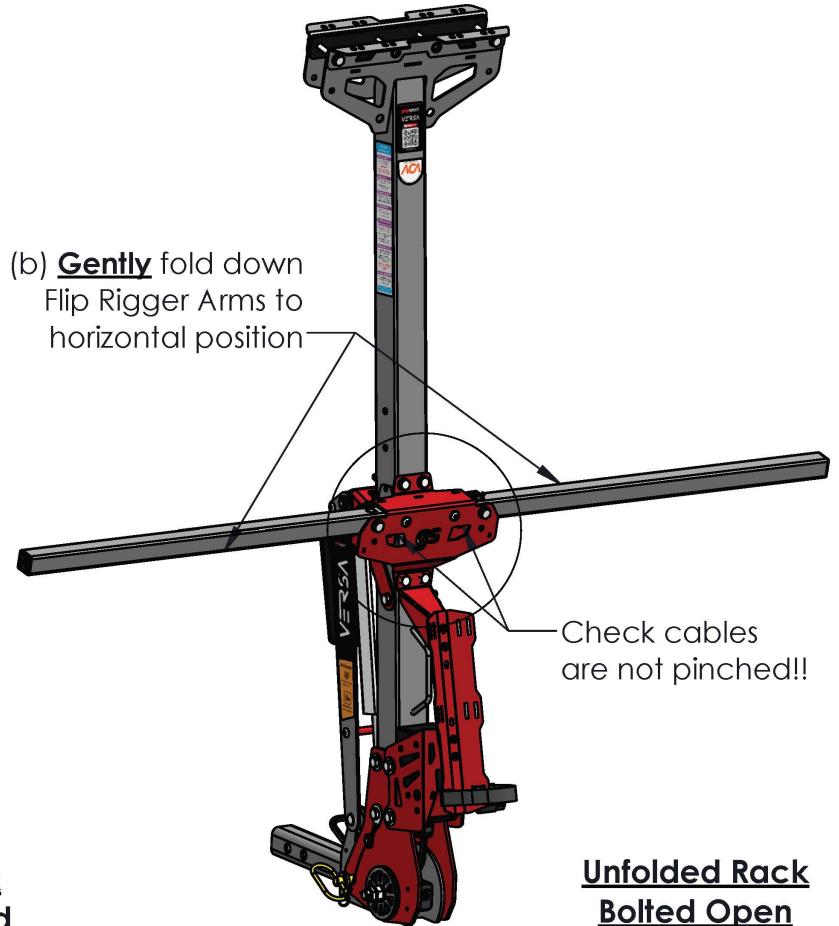
2. Unfold Arms & Lock-out into Open Position

gripsport

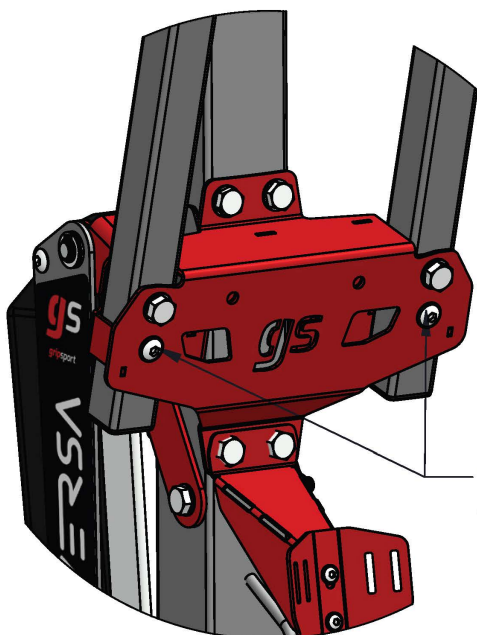
- (a) Remove 2x loosely fitted M8 bolts from the locking holes for the vertical arrangement to allow the Arms to pivot.
- (b) Very slowly and carefully, pivot the 2x Flip Rigger Arms into a horizontal position, looking to ensure electrical cables are not pinched when pivoting. **Cables should be free from stretching or pinching - check and watch through the gs logo cutout.**
- (c) Refit the 2x M8 bolts as shown. Secure firmly.



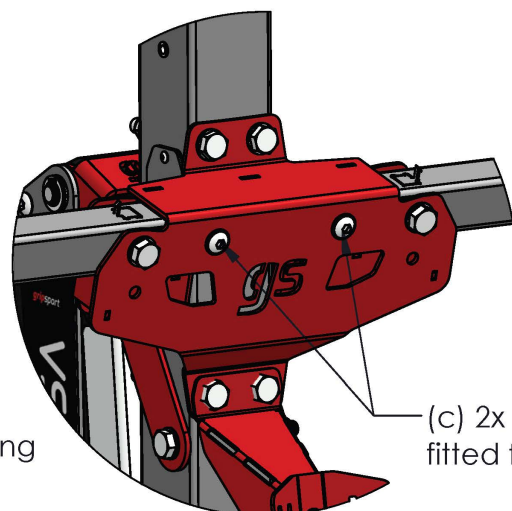
Folded Rack Bolted Closed



Unfolded Rack Bolted Open



(a) 2x M8 bolts fitted for shipping

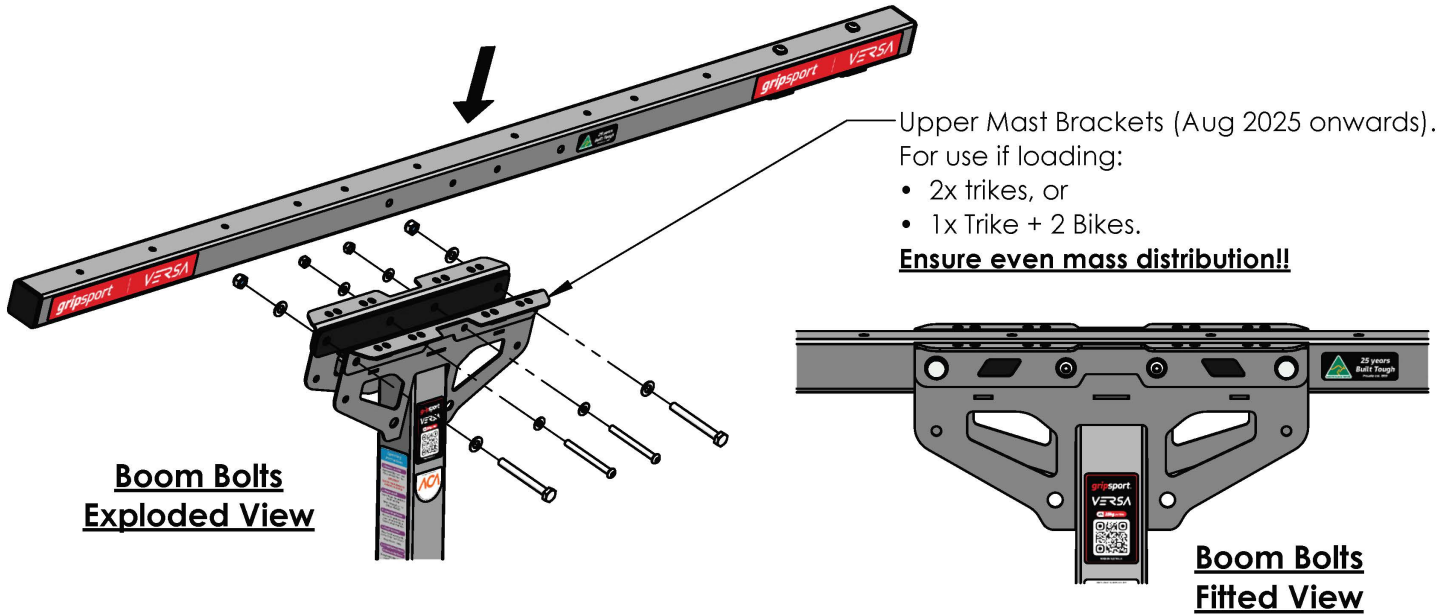


(c) 2x M8 bolts fitted for rack use

3. Fit the Boom Arm onto the Mast

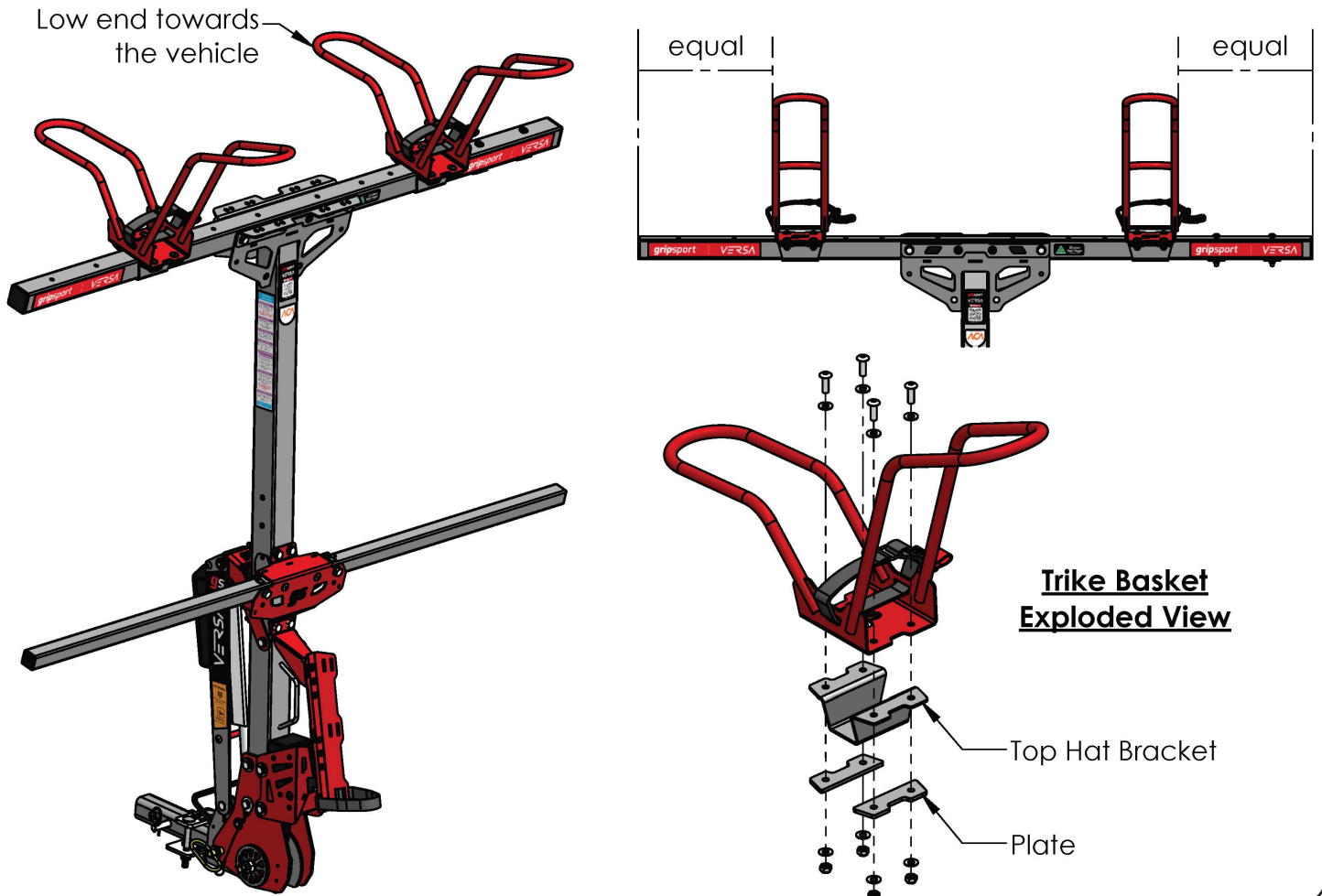
gripsport

- Remove loosely fitted 2x M8 and 2x M10 Bolts from the top of the Mast.
- Insert the Boom Arm into the top of the Mast as shown below, ensuring the liner is fitted in between.
- Replace Bolts, Washers and Nyloc Nuts and tighten firmly.



4. Fit the Trike Wheel Baskets onto the Boom

- Slide the Trike Wheel Baskets over the Boom Arm, ensuring the low end sits towards the vehicle.
- Space the Baskets evenly, according to your Trike wheel spacing (trackwidth). Equal offset should result, as shown below.
- Ensure the Plates are fitted on the Top Hat Bracket. Very firmly tighten both sets of 4x M8 Bolts and Nyloc Nuts.

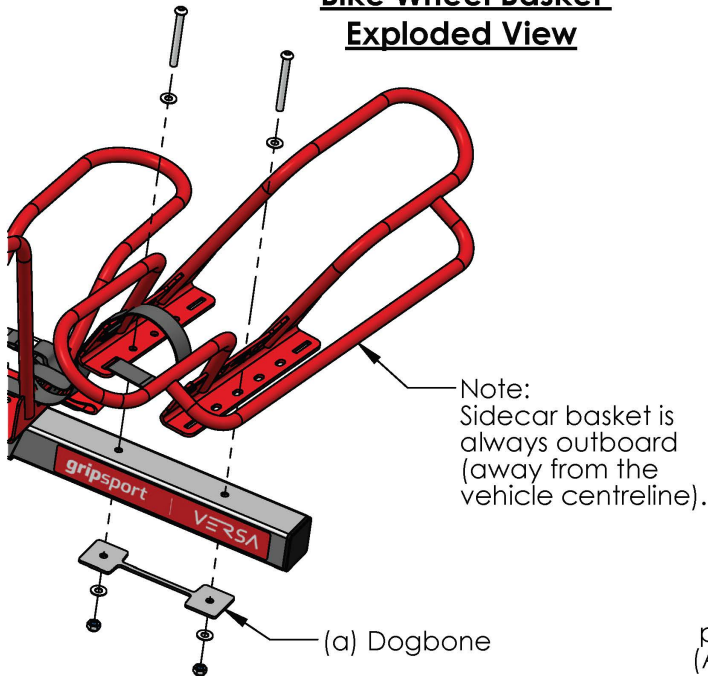


5. Fit Bike Wheel Basket to Boom Arm

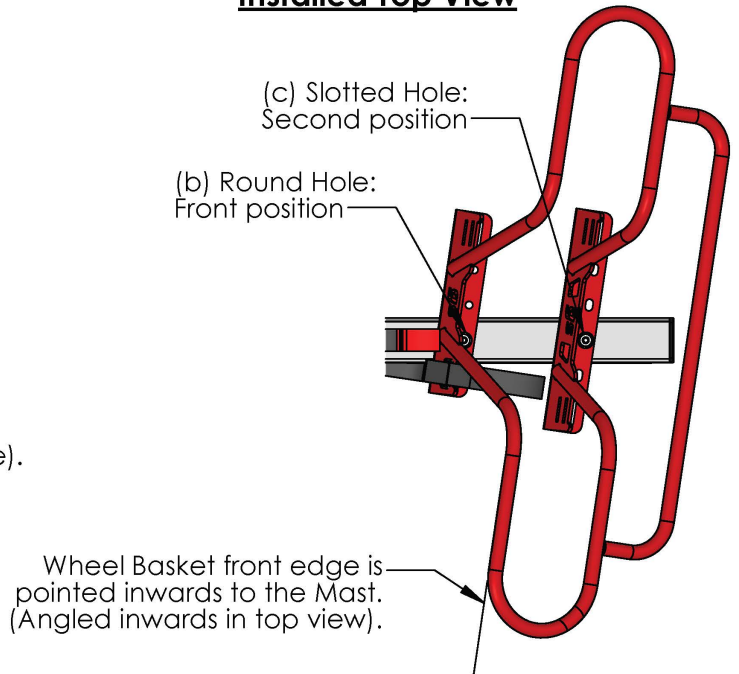
gripsport

- Remove loosely fitted 2x M8 Bolts, Washers, Nyloc Nuts and Dogbone from Boom Arm.
- Arrange the Wheel Basket to the first round hole, which will give the least rearward overhang.
- Next, secure the slotted hole at second position noting the inward pointing angle for the Wheel Basket arrangement. The slotted hole can also be used for fine adjustment of bike clearances if needed.
- Tighten M8 bolts to very firm (do not overtighten causing washers to deform).

Bike Wheel Basket Exploded View

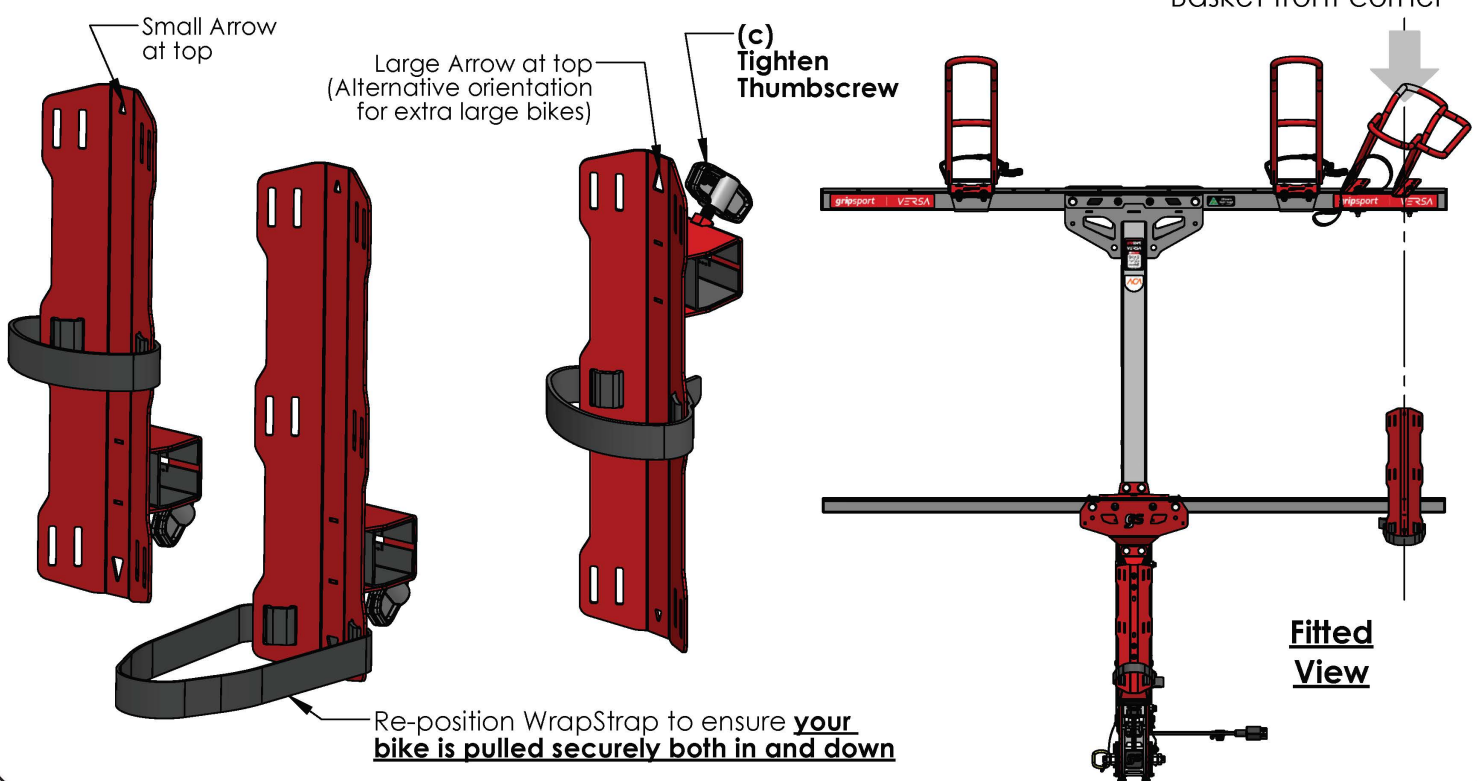


Bike Wheel Basket Installed Top View



6. Fit Taquitos to Flip Rigger Arm

- Slide Taquito onto Flip Rigger Arm, ensuring Thumbscrew is loosened. Choose orientation to suit:
Large bikes: Taquito small arrow at the top (specific for Versa Power).
Extra Large bikes: Taquito large arrow to top (specific for Versa Power).
- Align to required Wheel Basket channel (suggested diagram below)
- (c) Tighten Thumbscrew firmly. Check often!**

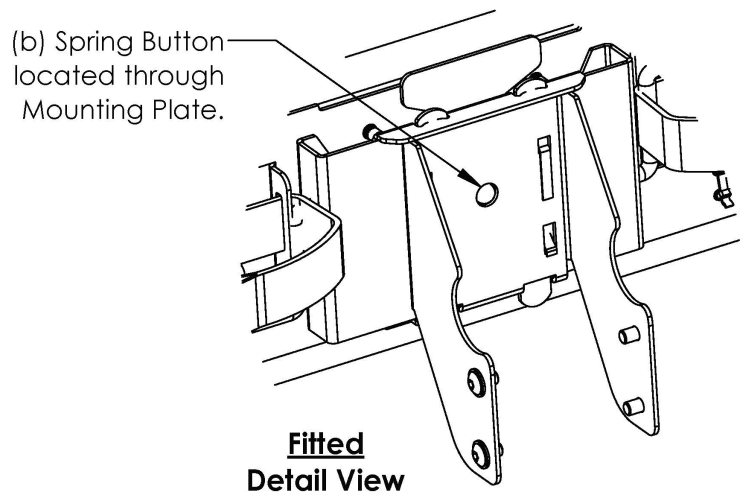
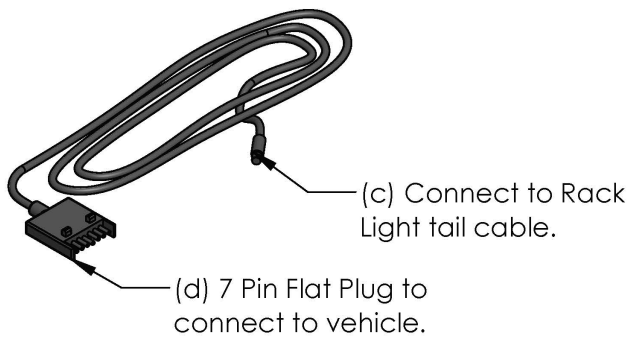
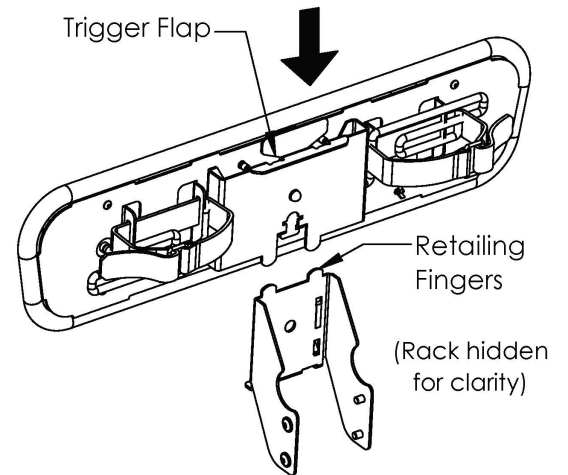
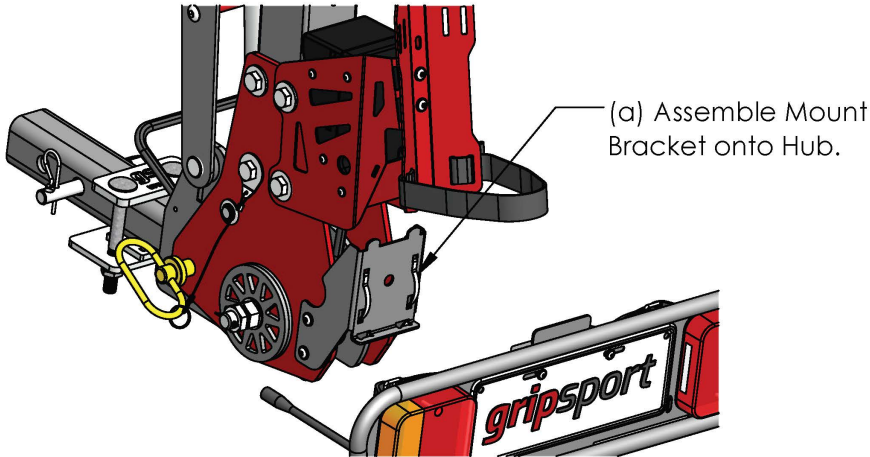


7. Fitting Rack Light

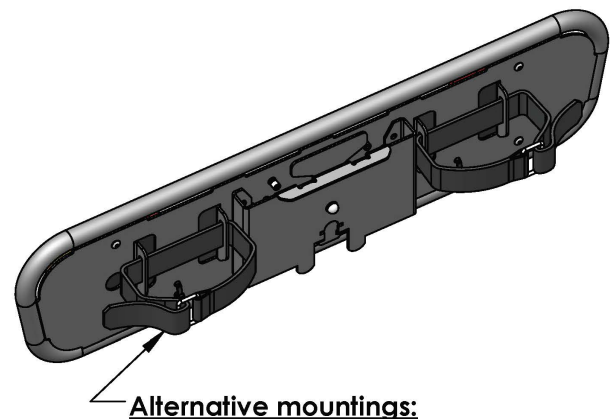
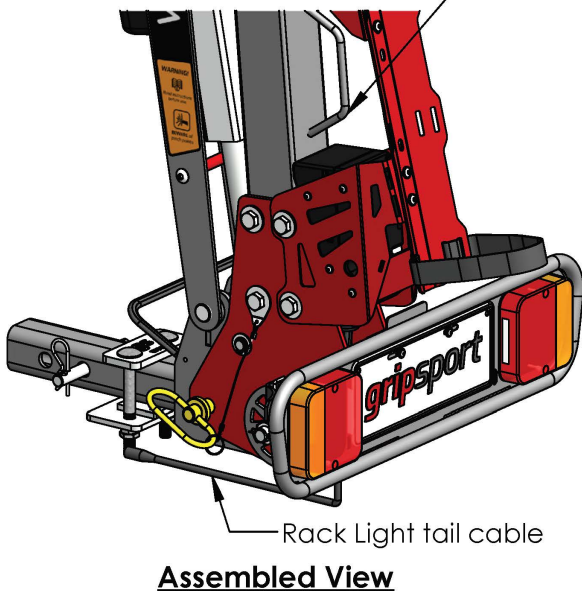
gripsport

- Assemble Rack Light Mount Bracket onto Hub, using M6 bolts & shakeproof washers.
- Slide Rack Light over Mount Bracket & Retaining Fingers, to align Snap Button into hole. Trigger Flap on Rack Light should snap upon positive connection.
- Connect Rack Light tail cable to Wiring Lead 7-pin Flat Plug .
- Connect Wiring Lead 7-pin Flat Plug to vehicle. An adapter may be required if vehicle has round or other style of plug.

Excess cable may be wrapped through the lock-grab handle to avoid dragging/catching during transport. Ensure enough slack is present to allow rack tilting without overstretching cable.



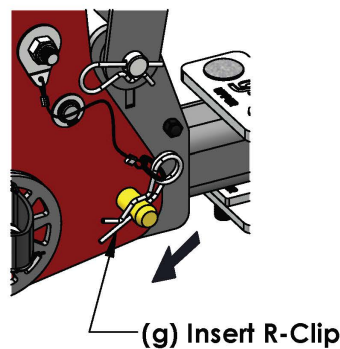
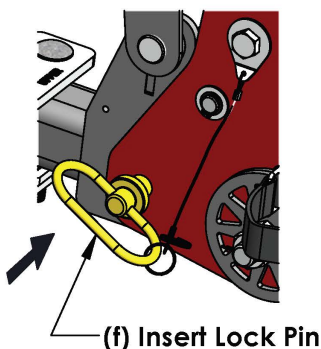
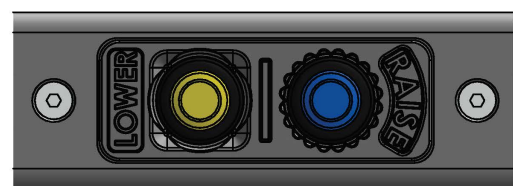
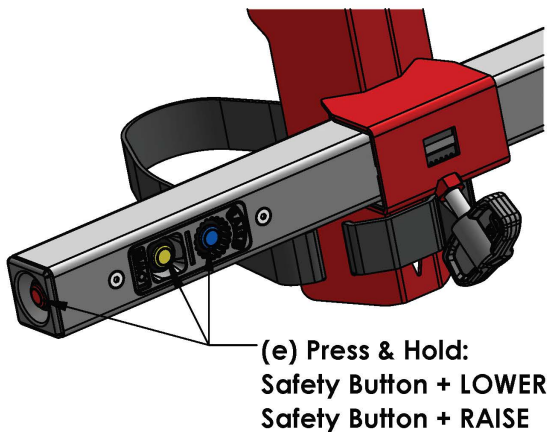
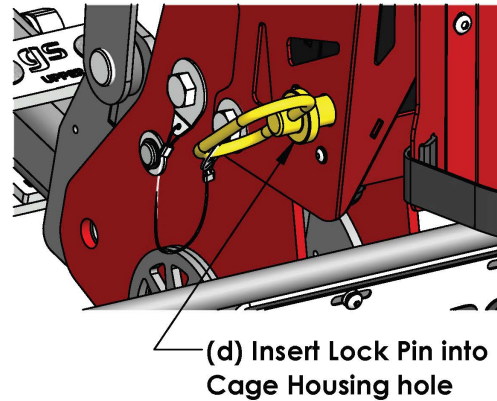
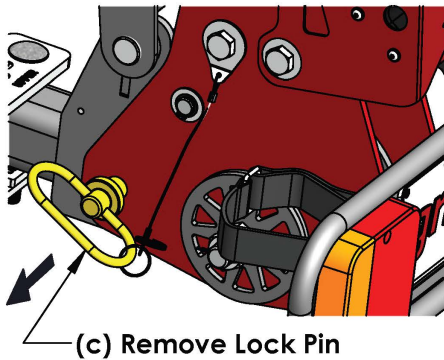
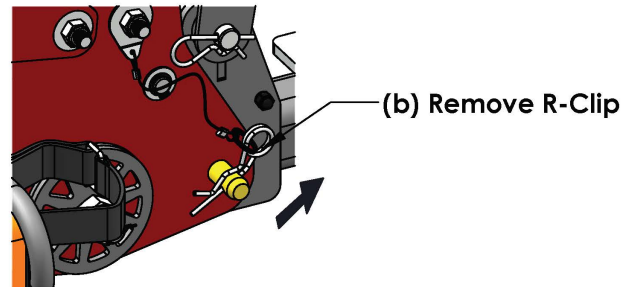
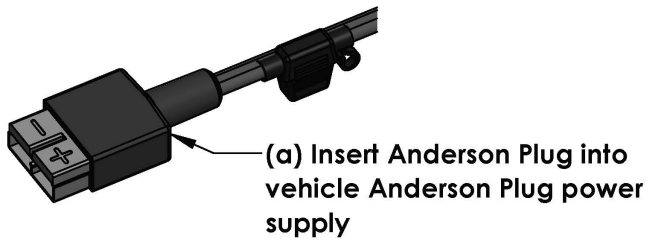
Wrap excess cable through Grab/Lock Handle.



8. Power Connection/Isolation & Rack Lock-Out

gripsport

- (a) Connect the Anderson Plug of the rack to a suitably wired Anderson Plug pre-fitted to your vehicle.
 - (b) Remove R-Clip from Lock Pin . **Tip: Use a padlock through the Lock Pin when fitted to Hub lock-out position to disable access to children or unauthorised public!!!**
 - (c) Remove Lock Pin from Hub.
 - (d) Insert the Lock Pin into Cage Housing. This will activate the rack from stand-by to fully powered.
 - (e) Controls are located at the inside faces at the end of the left and right Flip Rigger Arms.
- To Lower:** Press and hold Safety Button (red) **AND** Lower button (yellow = ground).
- To Raise:** Press and hold Safety Button (red) **AND** Raise (blue = sky).
- Note: Safety Button must be pressed to enable controls and is designed to avoid accidental activation.
- (f) Remove Lock Pin from Cage Housing and insert into Hub.
 - (g) Insert R-Clip into Lock Pin.



9. Stop Position Sensor

gripsport

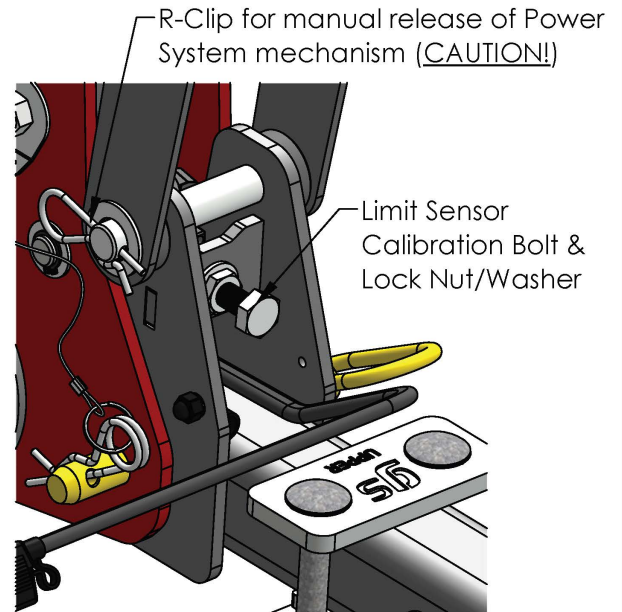
Over time or after initial settling in, the Rack Lock Pin may need to be re-aligned to the Hitch Arm Hole, to ensure easy insertion of the Lock Pin.

To do recalibrate, undo the Thin Locking Nut from the Calibration Bolt, and wind the bolt in or out, until the Lock Pin passes through the Hitch Arm.

To set the desired location, using 2 spanners, hold the Calibration Bolt position, whilst carefully tightening the Thin Locking Nut up to a firm tension.

Never operate the Power System whilst the pin is inserted!

In unforeseen circumstances, it is possible to manually release the Power System and eliminate the mechanism. To do this, remove the R-Clip from the Clevis Pin and manually push the Rack upright and insert Lock Pin.



CAUTION: Without the Actuator and Power System connected the Rack will not hold weight on its own and will freefall!

11. Load Bikes & Secure with Straps

- (a) Lower the Rack to be just above the ground. Open velcro of WrapStraps on Wheel Baskets and Taquitos, so straps are loose in mid-air. Note: The Versa Power Rack is too high for lifting bikes directly into Wheel Baskets without first lowering.
- (b) **Trike:** Load the end of the trike with 2x wheels into the Trike Wheel Baskets. Secure the 2x Cinch Straps through the Wheel Basket slots and thread through the buckle, pulling tight to hold the wheel down, as shown below.
- (c) **Bike:** Lift bike up and slot front wheel into Wheel Basket channel. Turn Handlebars so that tyre is resting next to WrapStrap. The weight of the bike will now be taken. Secure 1x WrapStrap through the wheel and pull tight, pressing velcro down onto strap backing. WrapStraps are designed to work as a "full circle", wrapping in a loop.
- (d) Raise the Rack to lift the bikes up. The remaining unstrapped wheels will lift off the ground. Position wheels onto Taquito or Straddle Taquito channel.
- (e) Thread the WrapStraps through the remaining wheels and secure as per previous method. Confirm all bikes are firmly in position with a quick bike shake.

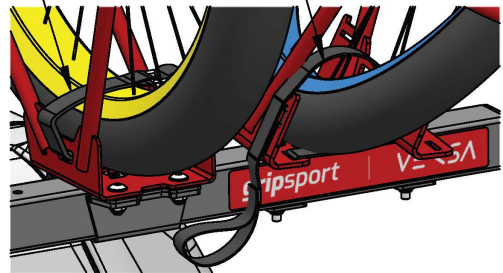
Note:

- **Every wheel must always be strapped.**
- **All tyres must be pumped up sufficiently to avoid wheel/rack damage.**
- **Axles/skewers must be securely fastened into bike frame/fork - else bike may fall!!**

 **ALWAYS ENSURE ALL STRAPS ARE FITTED BEFORE DRIVING!!**

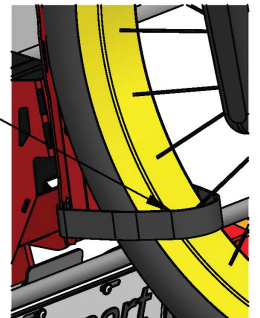
(b) 2x Cinch Strap pulled tight and wheel secured.

(c) WrapStrap pulled tight and flattened onto strap backing



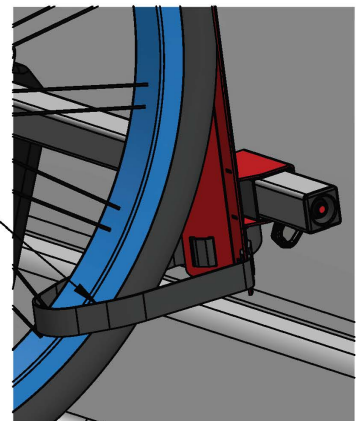
Upper Wheels Strapped

(e) WrapStrap pulled tight and flattened onto strap backing

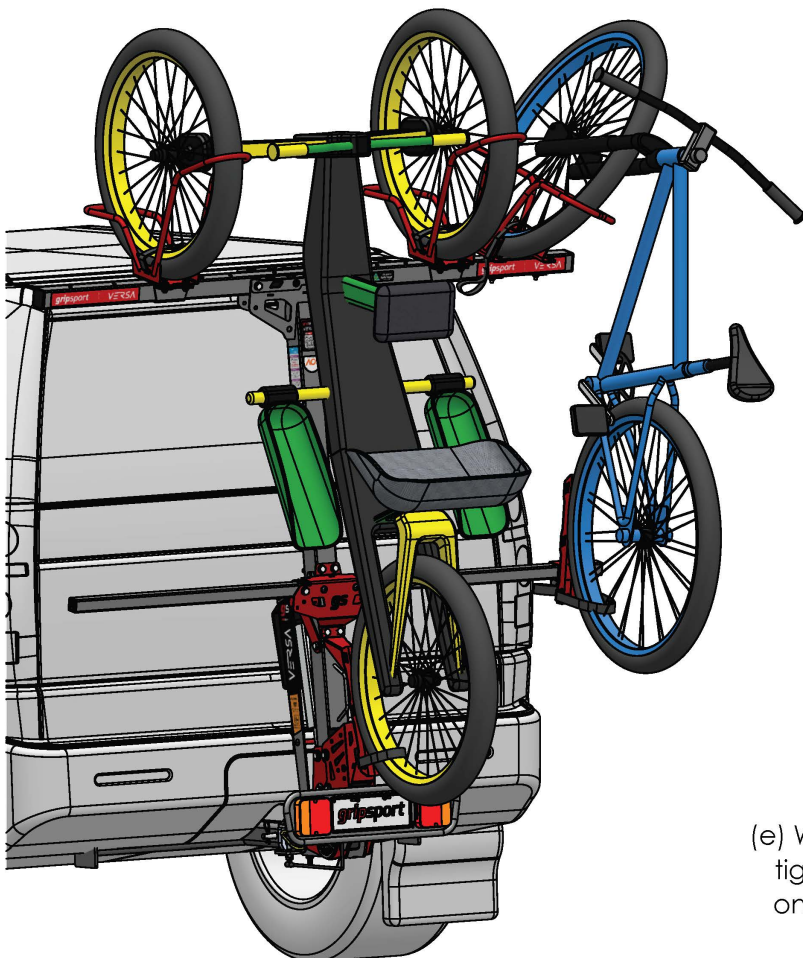


Trike Lower Wheel Strapped

(e) WrapStrap pulled tight and flattened onto strap backing



Bike Lower Wheel Strapped



Trike and Bike Fitted View