

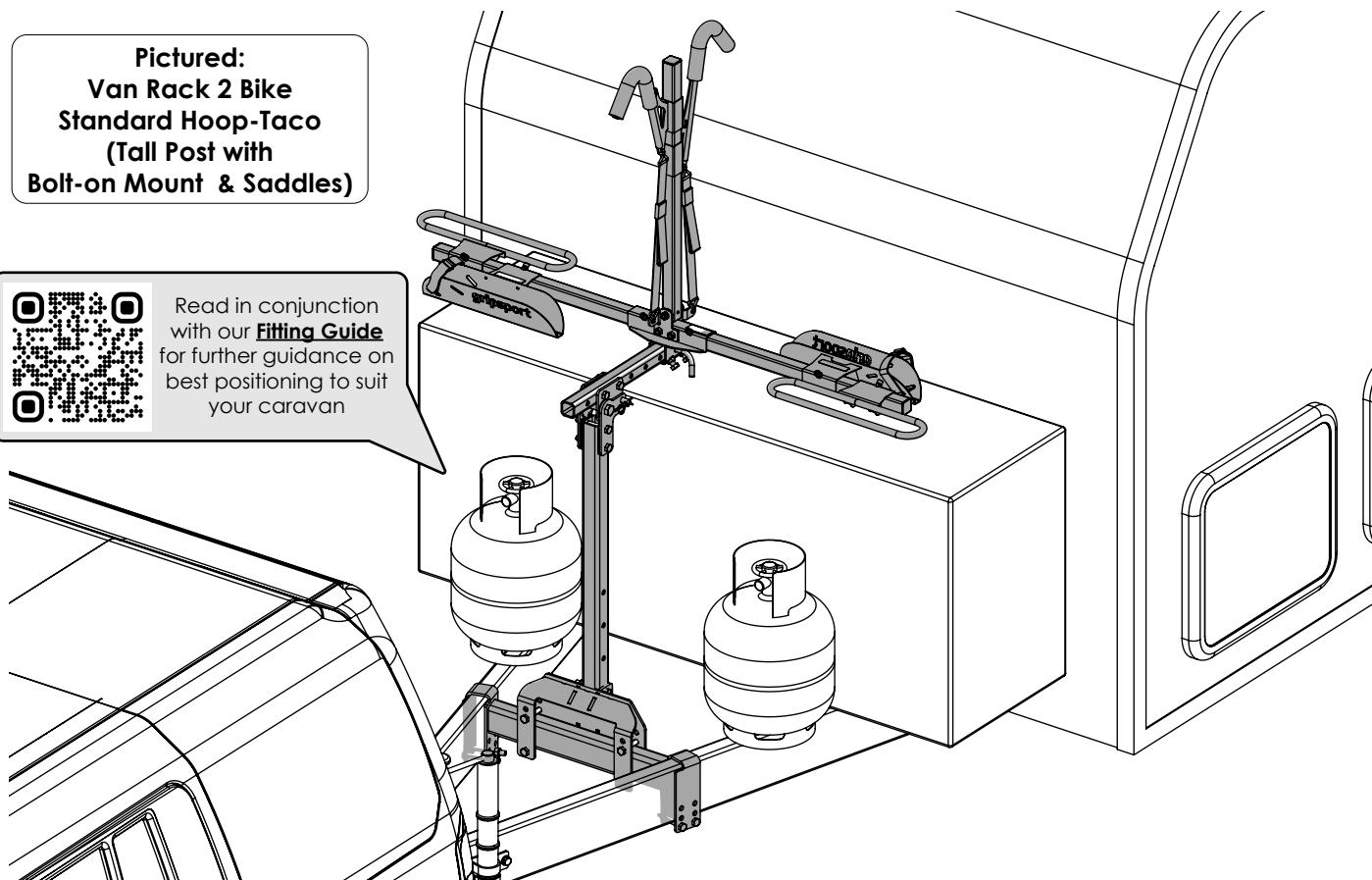
# Van Rack & Bolt-on Mount

**gripsport®**

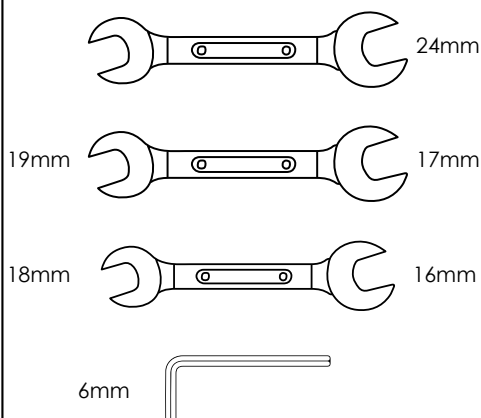
**Pictured:  
Van Rack 2 Bike  
Standard Hoop-Taco  
(Tall Post with  
Bolt-on Mount & Saddles)**



Read in conjunction  
with our **Fitting Guide**  
for further guidance on  
best positioning to suit  
your caravan



## Tools required:



**Rated: 30kg per bike spot**  
**Van Rack: Off-Road use**  
**Square Hitch Mount: Off-Road use**  
**Tongue Mount: Light Off-Road only**

**Warranty:**  
**5 year limited lifetime.**  
**See all details online at:**  
**[www.gripsport.com.au/terms-conditions](http://www.gripsport.com.au/terms-conditions)**



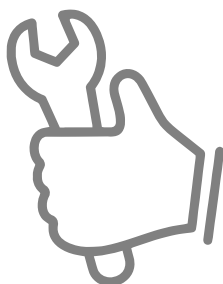
[facebook.com/gripsport.real](https://facebook.com/gripsport.real)



[@gripsportbikeracks](https://www.instagram.com/gripsportbikeracks)



[bit.ly/GripSportVideos](https://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.**

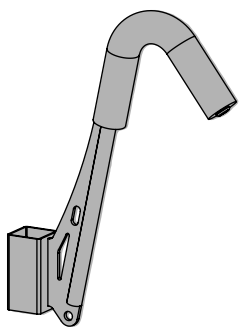


website info at:  
[www.gripsport.com.au](http://www.gripsport.com.au)

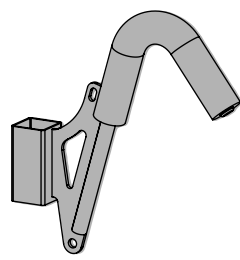
# Van Rack - Parts List

**gripsport**

**2 Bike Van Rack quantities shown below.**  
1, 3 and 4 Bike Van Rack quantities vary accordingly.



1 x Long Hook



1 x Short Hook



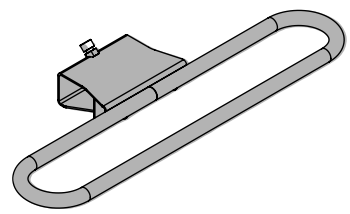
3x M10 x 60 Bolts



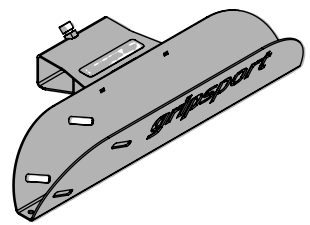
3x M10 Nyloc Nuts



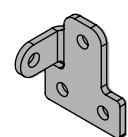
2x M10 Washers (large)



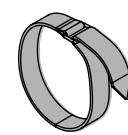
2 x Wheel Hoops



2 x "Taco"  
Rear Wheel Channels



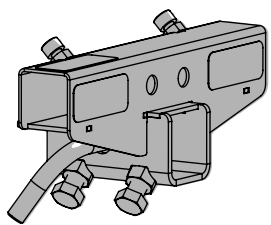
2 x Tab Plates



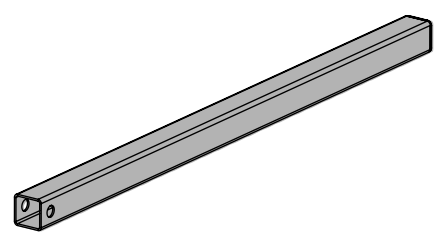
2 x Cinch Straps  
(not incl. with  
"All Hoop" set-up)



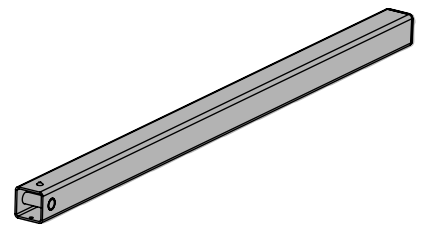
2 x Quick Release  
Carrier Straps



1 x Carrier Mount

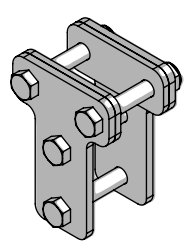


2 x Outrigger Arms



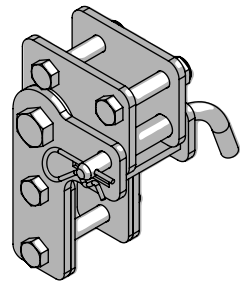
1 x Hooks Post  
(small dot of weld at base of post)

## Select 1x Mounting type



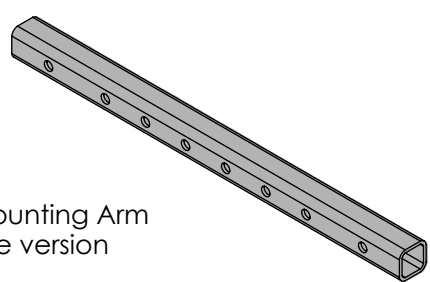
Non-Tilting Mount

or



Tilting Mount

## Mounting Arm



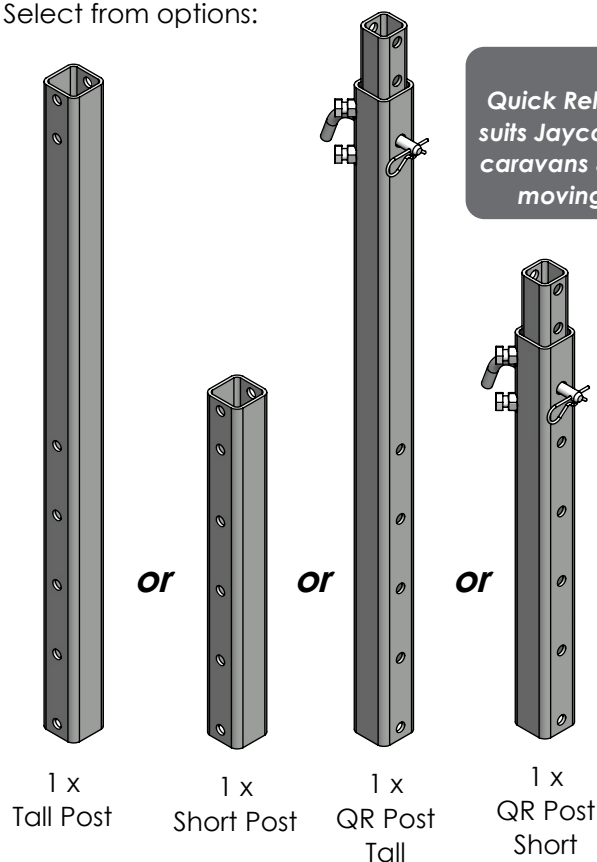
Carrier Mounting Arm  
1-4 bike version

# Select Mounting Method & Optional Tow Bar Adapter

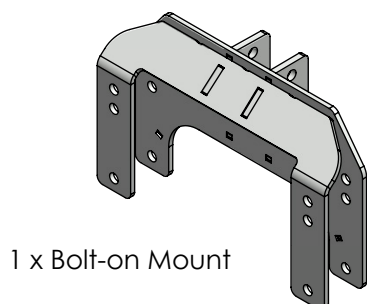
**gripsport**

## 1x Post type + Bolt-on Mount & fixings

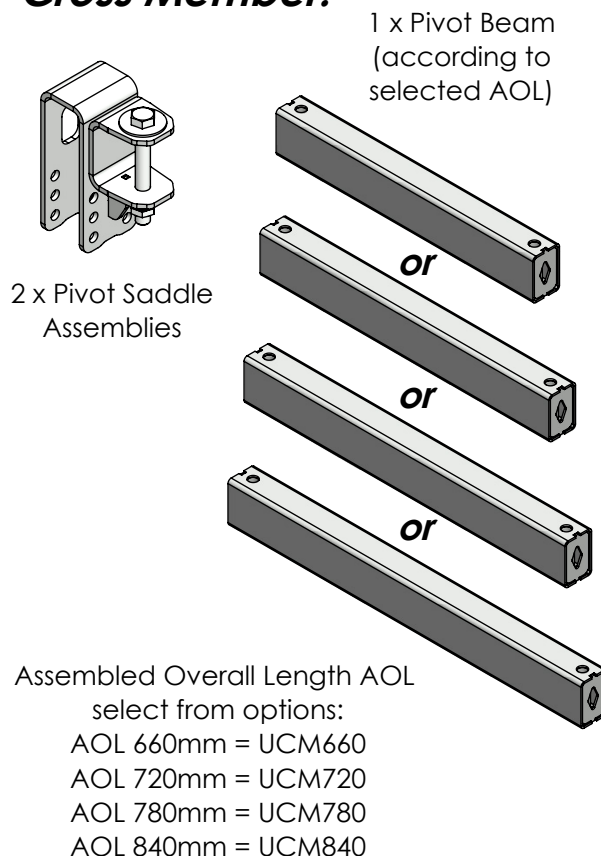
Select from options:



**Tip!**  
Quick Release (QR) Post suits Jayco Expanda style caravans & campers with moving walls/beds.



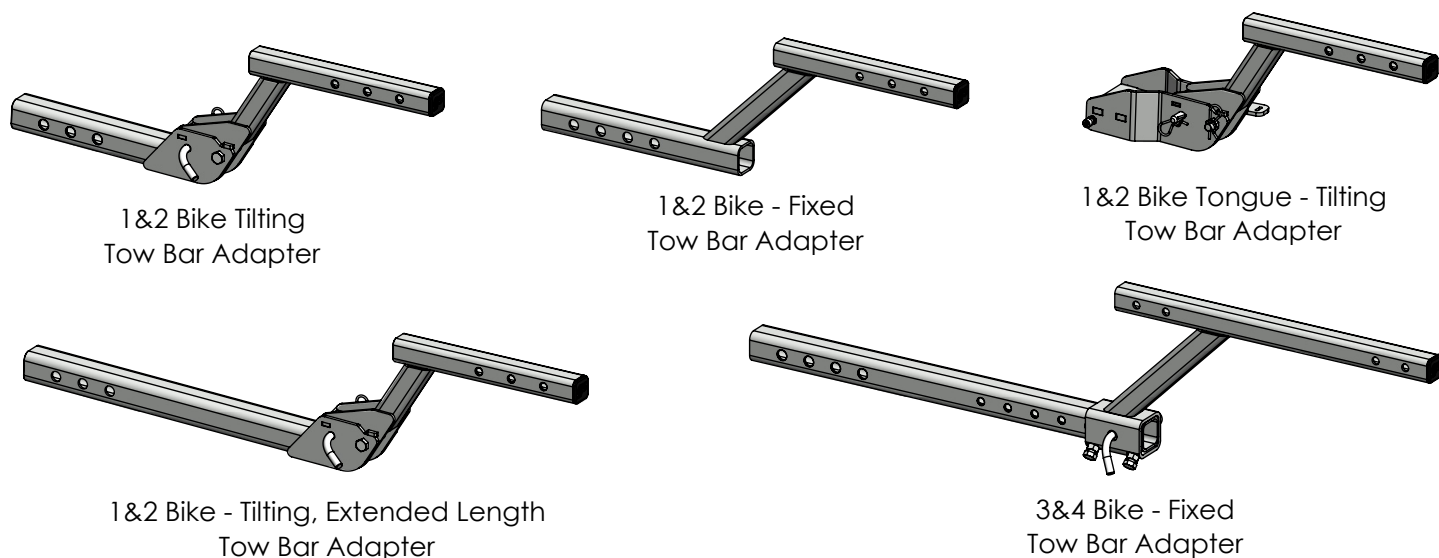
## UCM Universal Cross Member:



## CCM Custom Cross Member:



## Optional: Tow Bar Adapters (GS-Adventure conversion)



# 1. Install Cross Member onto Caravan Drawbar

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Choose from the following Fitting Methods:

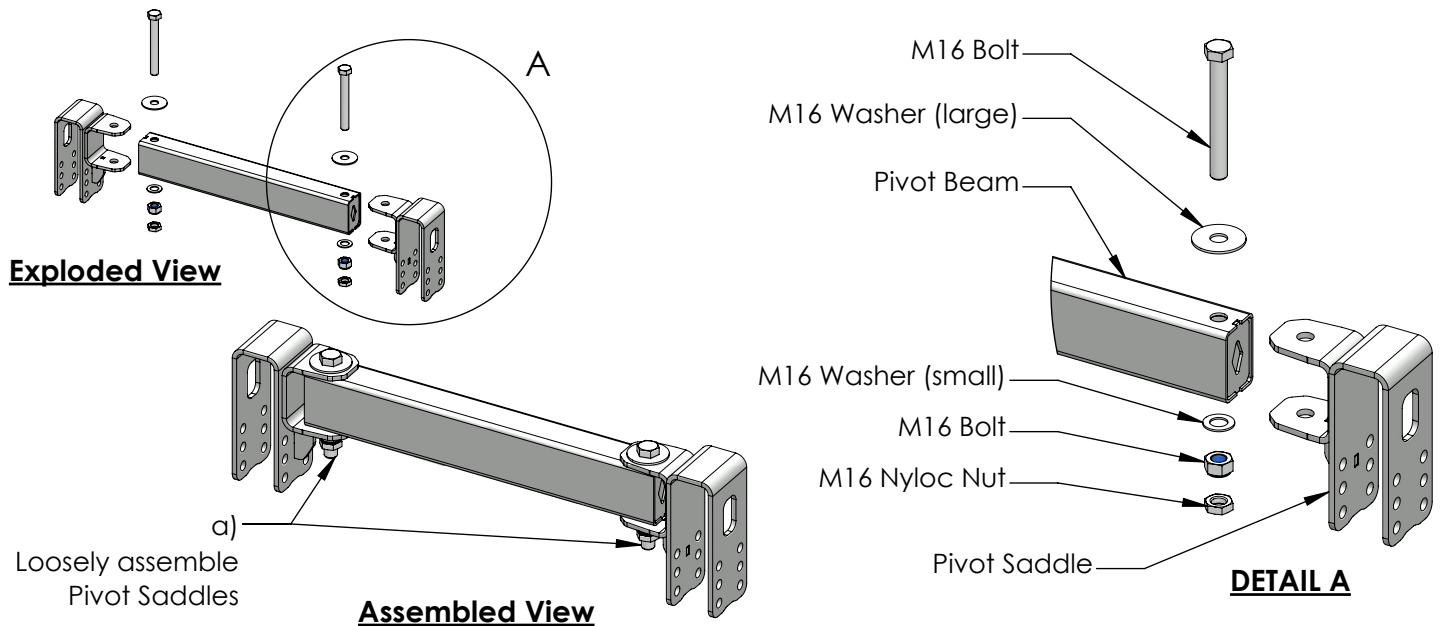
- 1) ECM - Existing Cross Member already on your drawbar - skip Step 1 - go to Step 2 on page 5.
- 2) UCM - Universal Cross Member ordered - DIY install on your drawbar - see below **Step 1-UCM**.
- 3) CCM - Custom Cross Member - DIY weld saddles to RHS steel, DIY install on your drawbar - page 5.
- 4) Weld a new cross member in place - skip Step 1 (refer fitting guide).

see: [www.bit.ly/gs-fitting-guide](http://www.bit.ly/gs-fitting-guide) for additional guidance.

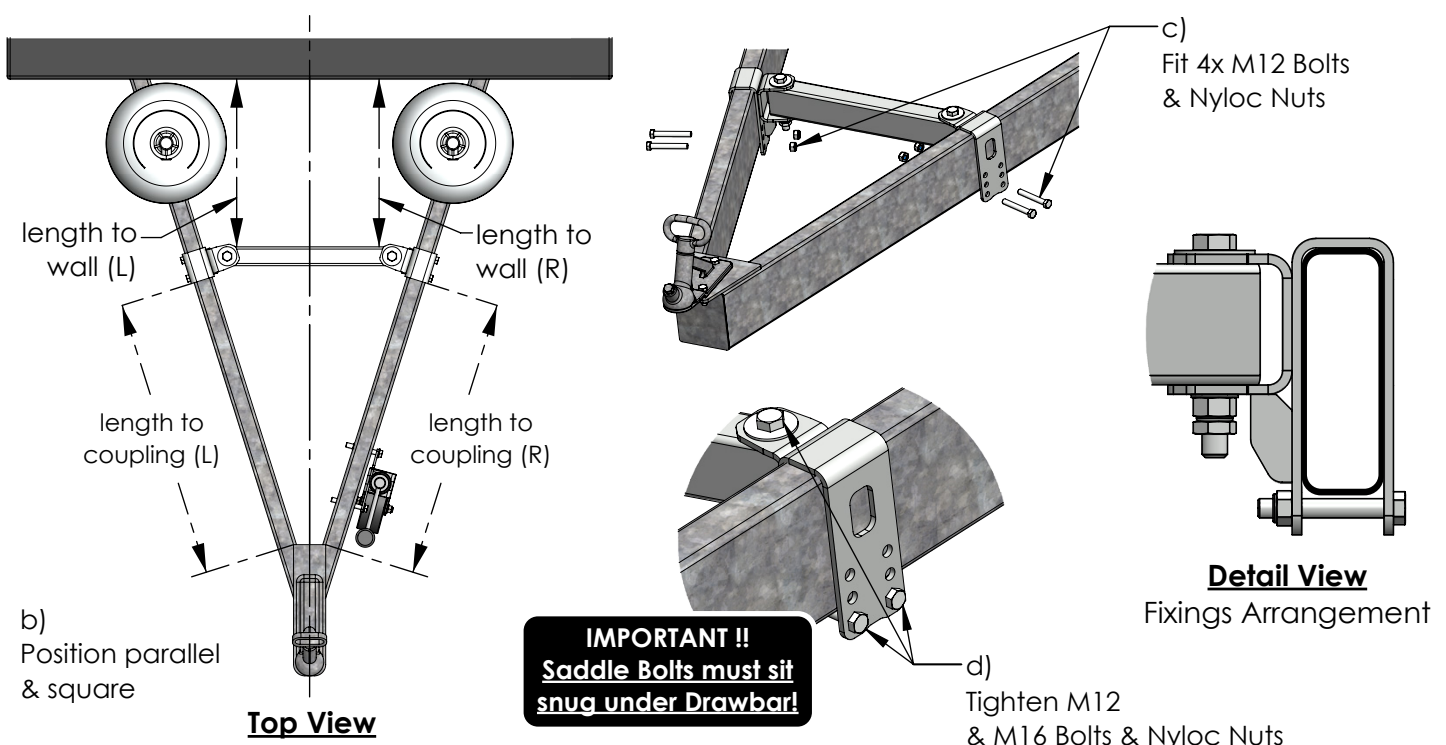
## **Fitting Method 2: UCM Universal Cross Member**

### **Step 1-UCM**

a) Loosely assemble Pivot Saddles to Pivot Beam, using M16 fixings as shown.



- b) Drop over drawbar and rotate Pivot Saddles into a symmetrical position, until Pivot Beam is in parallel alignment to caravan wall. Use a measuring tape to confirm equal lengths for left (L) & right (R) sides.
- c) Loosely fit M12 bolts through Pivot Saddle, positioning bolts as close to drawbar underside as possible.
- d) Tighten M12 Saddle fixings to tight and M16 fixings to very tight.
- e) Confirm position is still aligned, checking measurements from step b).
- f) Double check all fixings are firm and Pivot Beam is secured without play/wobble.



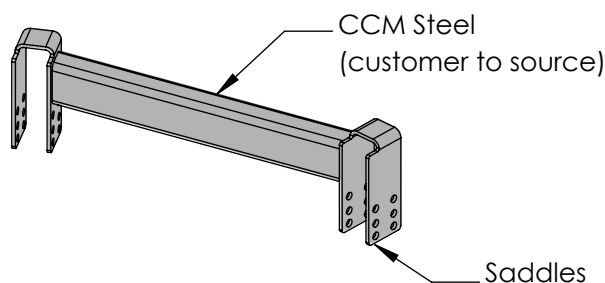
## Fitting Method 3: CCM Custom Cross Member (DIY welding required)

**gripsport**

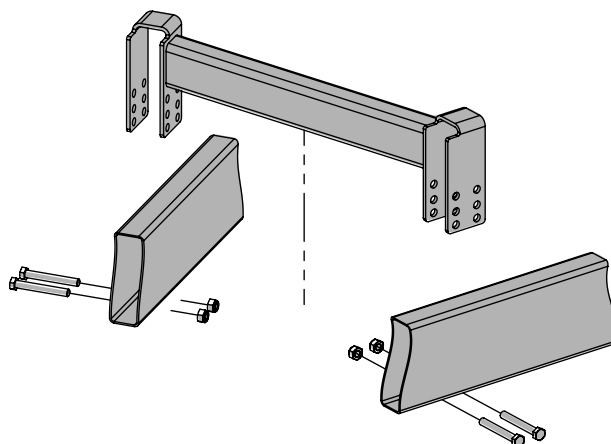
### Step 1-CCM

- Fabricate your own CCM. (refer fitting guide: [www.bit.ly/gs-fitting-guide](http://www.bit.ly/gs-fitting-guide))
- Fit over drawbar.
- Fit & firmly tighten M12 Bolts and Nyloc Nuts.

**a)** CCM Custom Cross Member  
DIY fabrication.

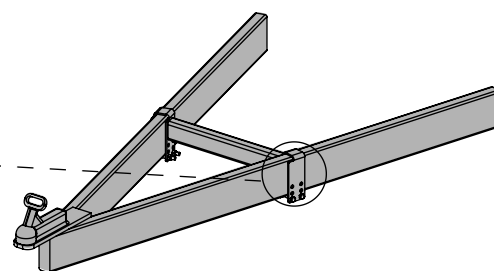
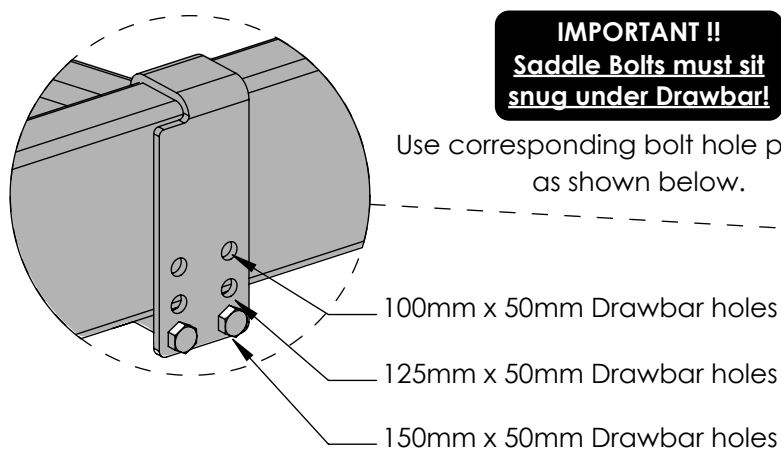


**b)** Fit Cross Member over Drawbar.



**c)** Fix with M12 Bolts and Nuts.

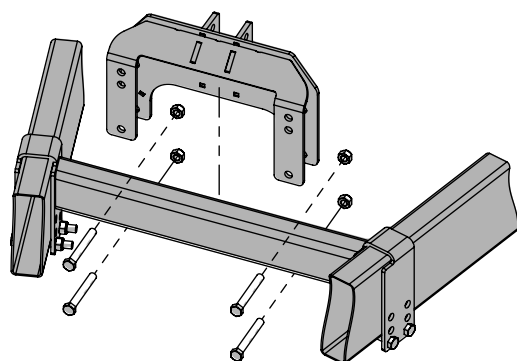
Use corresponding bolt holes to suit your Drawbar.



Installed position will be custom to your caravan.

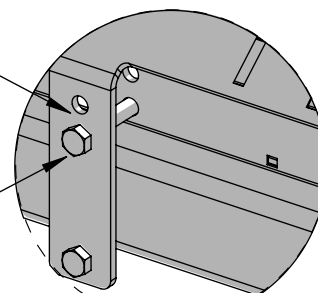
## 2. Install Bolt-on Mount onto Existing or New Cross Member

Fit Bolt-on Mount over Cross Member.  
Fix with M12 Bolts and Nuts.



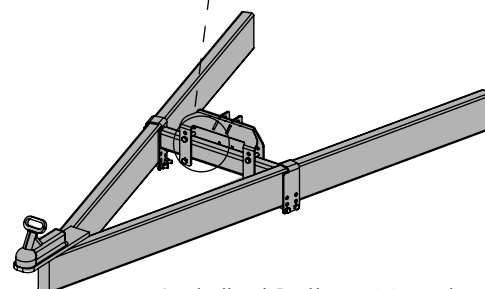
100mm x 50mm  
Cross Member  
holes position

75mm x 50mm  
Cross Member  
holes position



**IMPORTANT !!**  
Bolt-on Mount top bolts must sit snug on top of Cross Member!!

Use corresponding bolt hole positions as shown above.

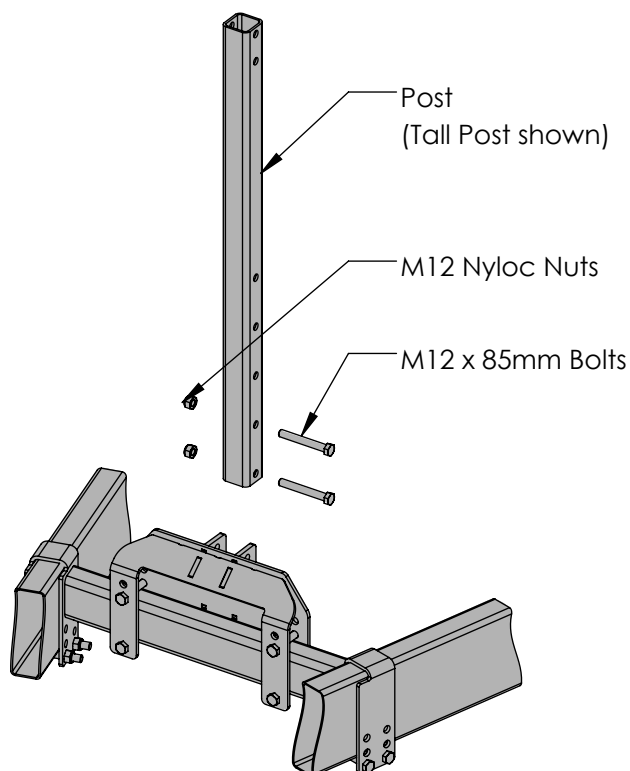


Installed Bolt-on Mount.

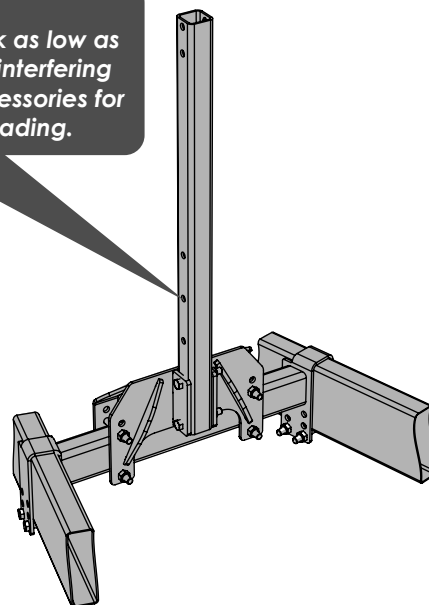
### 3. Install Post onto Bolt-on Mount

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Fit Post onto Bolt-on Mount using nuts and bolts.  
Select your desired installation height to suit your available space.



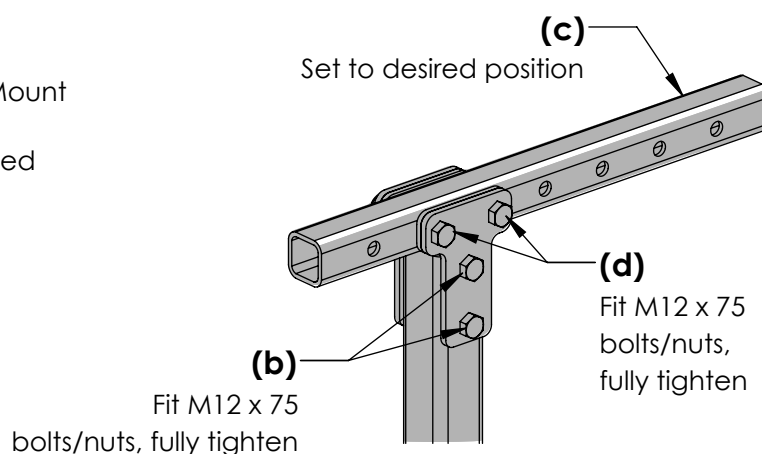
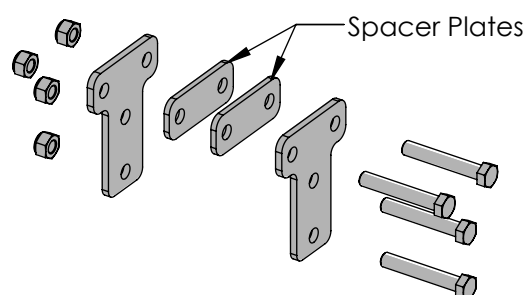
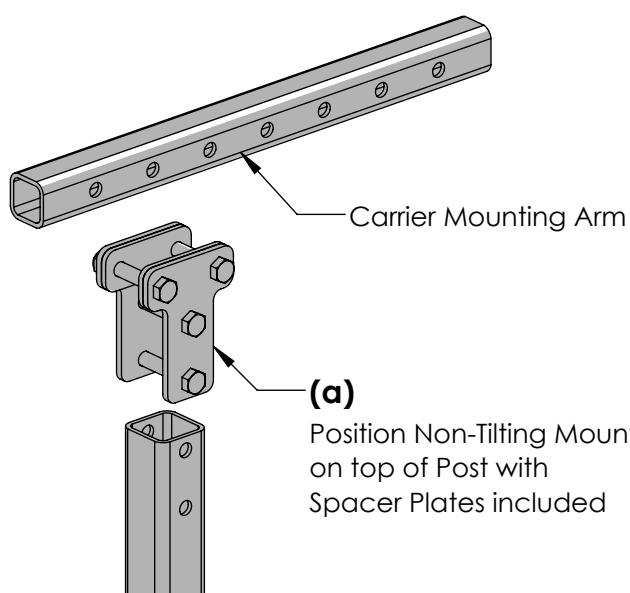
**Tip!**  
Lower Post & Rack as low as possible without interfering with caravan accessories for easier bike loading.



Installed Post with tightened nuts and bolts.  
(Inside view)

### 4. Install Mount & Carrier Mounting Arm onto Post

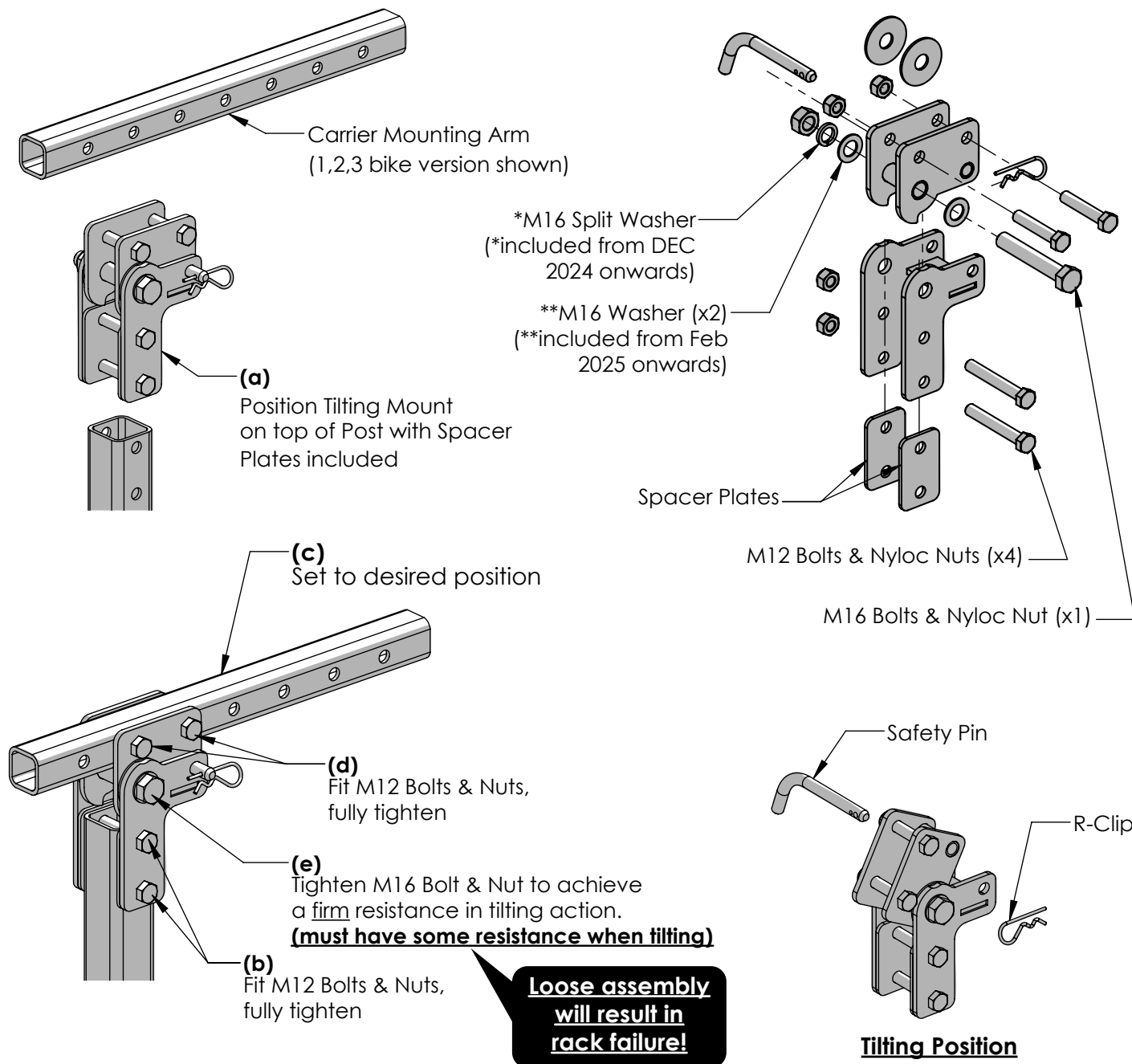
#### Type 1) Non-Tilt Mount:



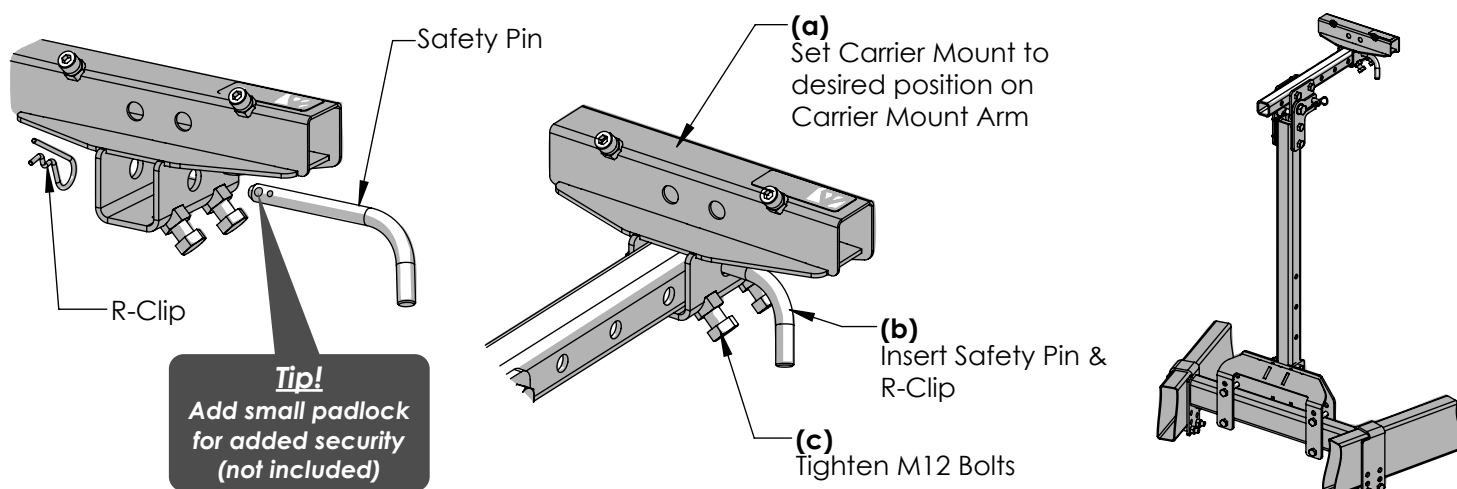


## Type 2) Tilting Mount:

**gripsport**

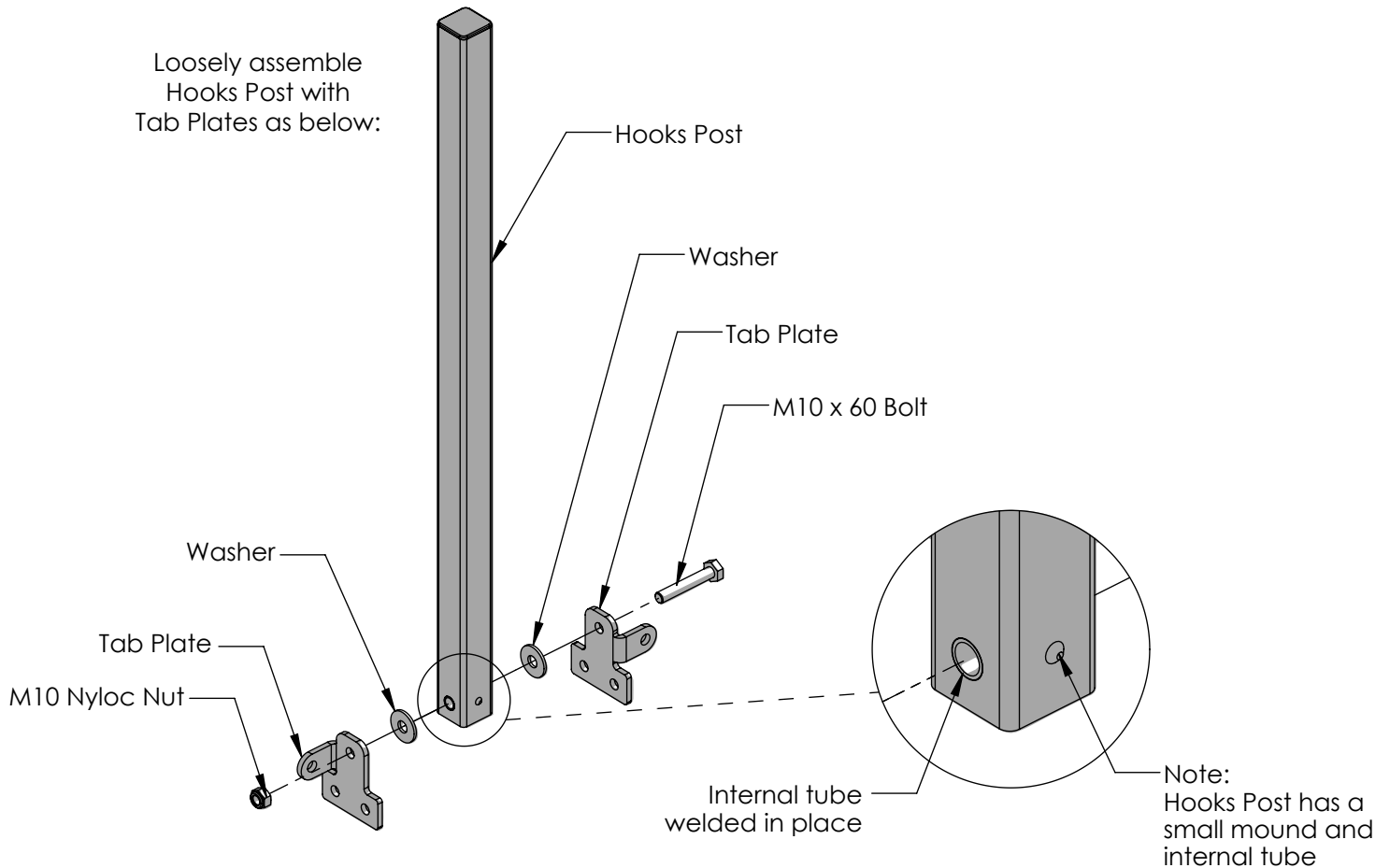


## 5. Fit Carrier Mount to Carrier Mounting Arm



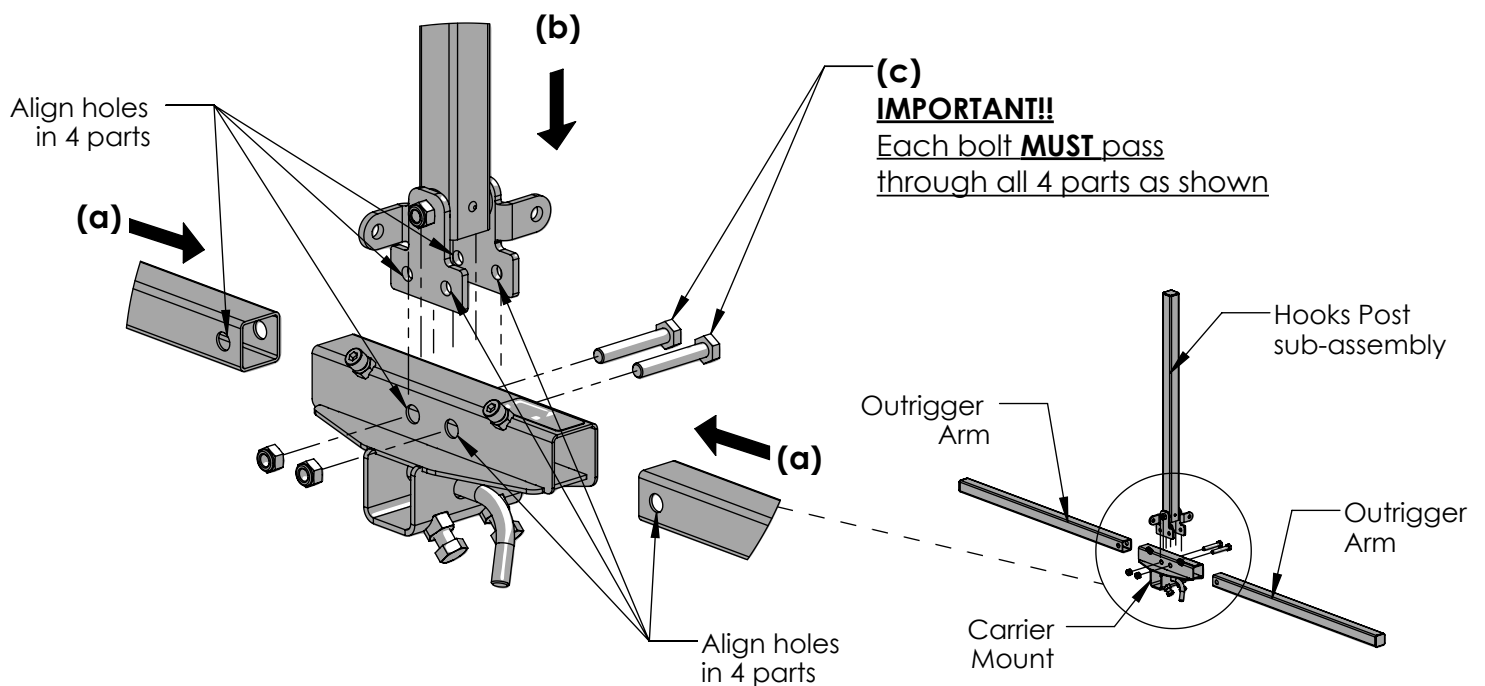
## 6. Sub-Assemble Hooks Post

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## 7. Fit Hooks Post & Outrigger Arms to Carrier Mount

- (a) Insert Left and Right Outrigger Arms into Carrier Mount (align holes)
- (b) Place Hooks Post assembly over Carrier Mount (align holes)
- (c) Insert M10 x 60 Bolts through all parts & loosely fit 10mm Nyloc Nuts

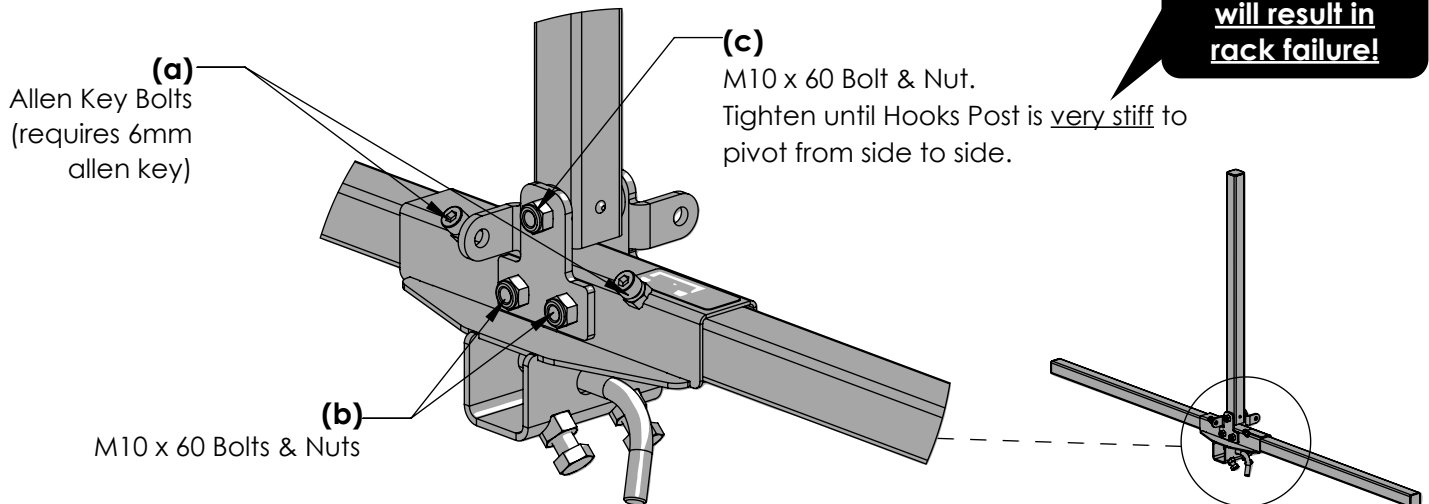




## 8. Tighten fixings on Carrier Mount

**gripsport**

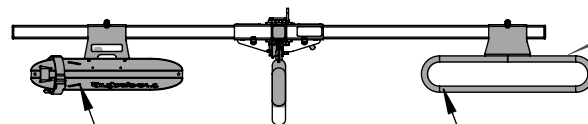
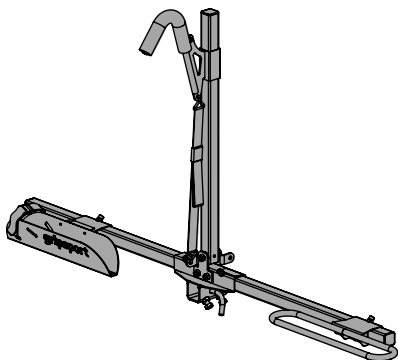
Tighten all bolts in this sequence:



## 9. Fit Wheel Carrier system to Outrigger Arms

**Tip!**  
Wheels in Hoops do not require Cinch/velcro Strap.

### (a) Hoop & Taco set-up (standard)

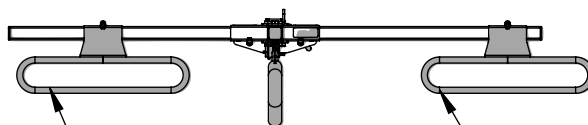
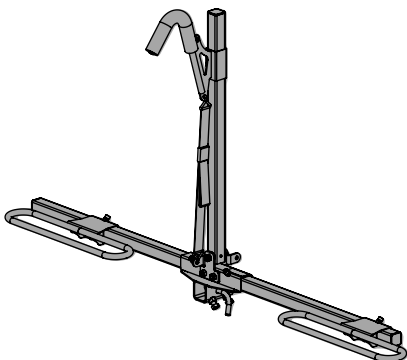


Hoop for front wheel

#### Taco for rear wheel only

suits broad range of bike wheelbase lengths

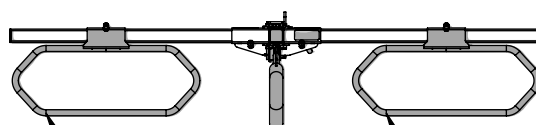
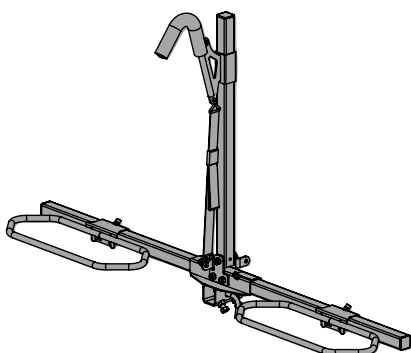
### (b) All Hoop set-up option



Hoop for front wheel

Hoop for rear wheel, specially adjusted to suit each bike wheelbase length

### (c) Fat Bike set-up option



Fat Hoop for front wheel

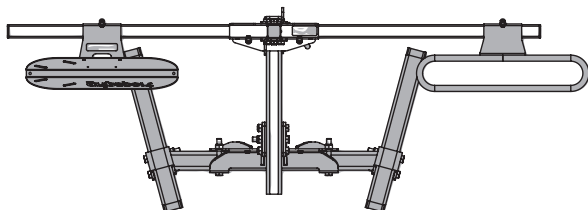
Fat Hoop for rear wheel, specially adjusted to suit each bike wheelbase length

## 9. Standard: "Taco" Rear Wheel Channel + Hoop

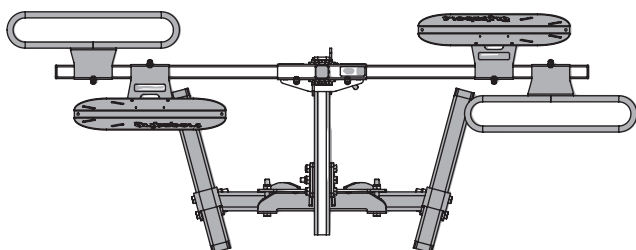
The configurations shown will suit the majority of bikes from 20" BMX to 29" MTB.  
You may need to alter this depending on your particular combination of bikes.

**(a)** Add Taco onto Outrigger Arm, then add Hoop. Position as shown. Repeat for next bike position.

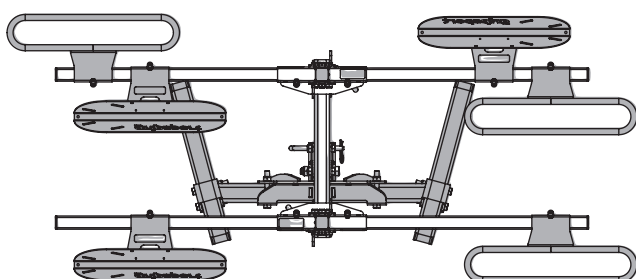
### 1 Bike Carrier



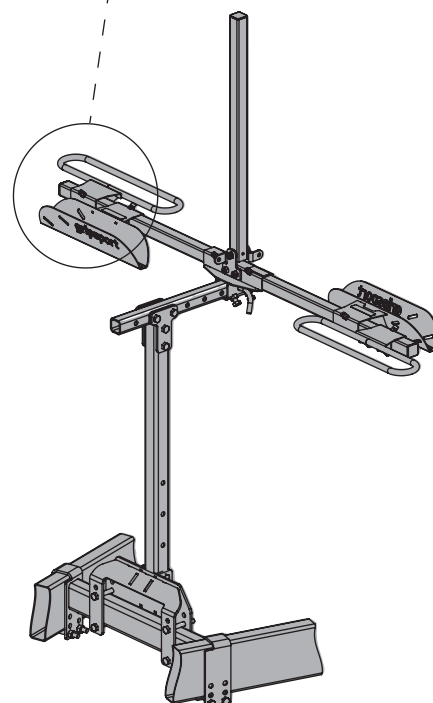
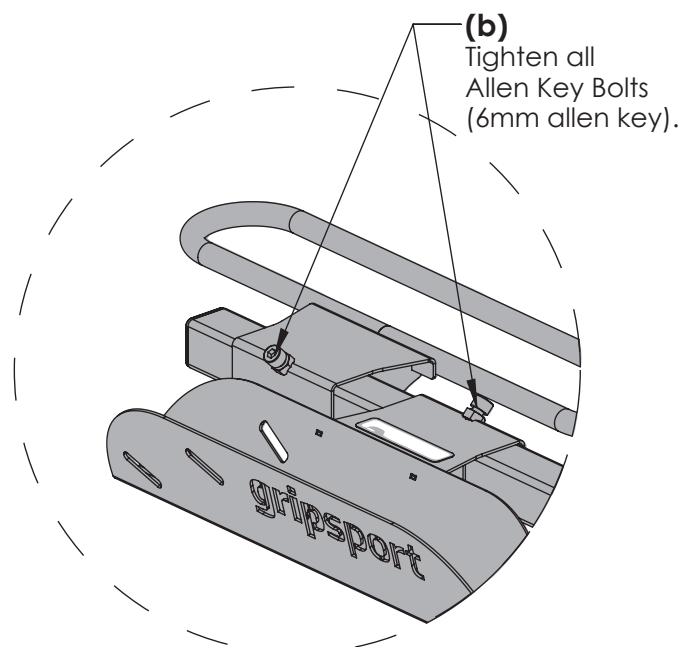
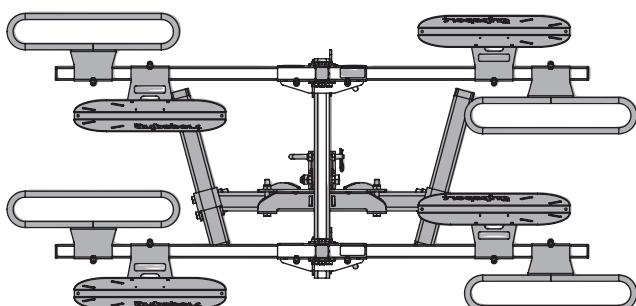
### 2 Bike Carrier



### 3 Bike Carrier



### 4 Bike Carrier

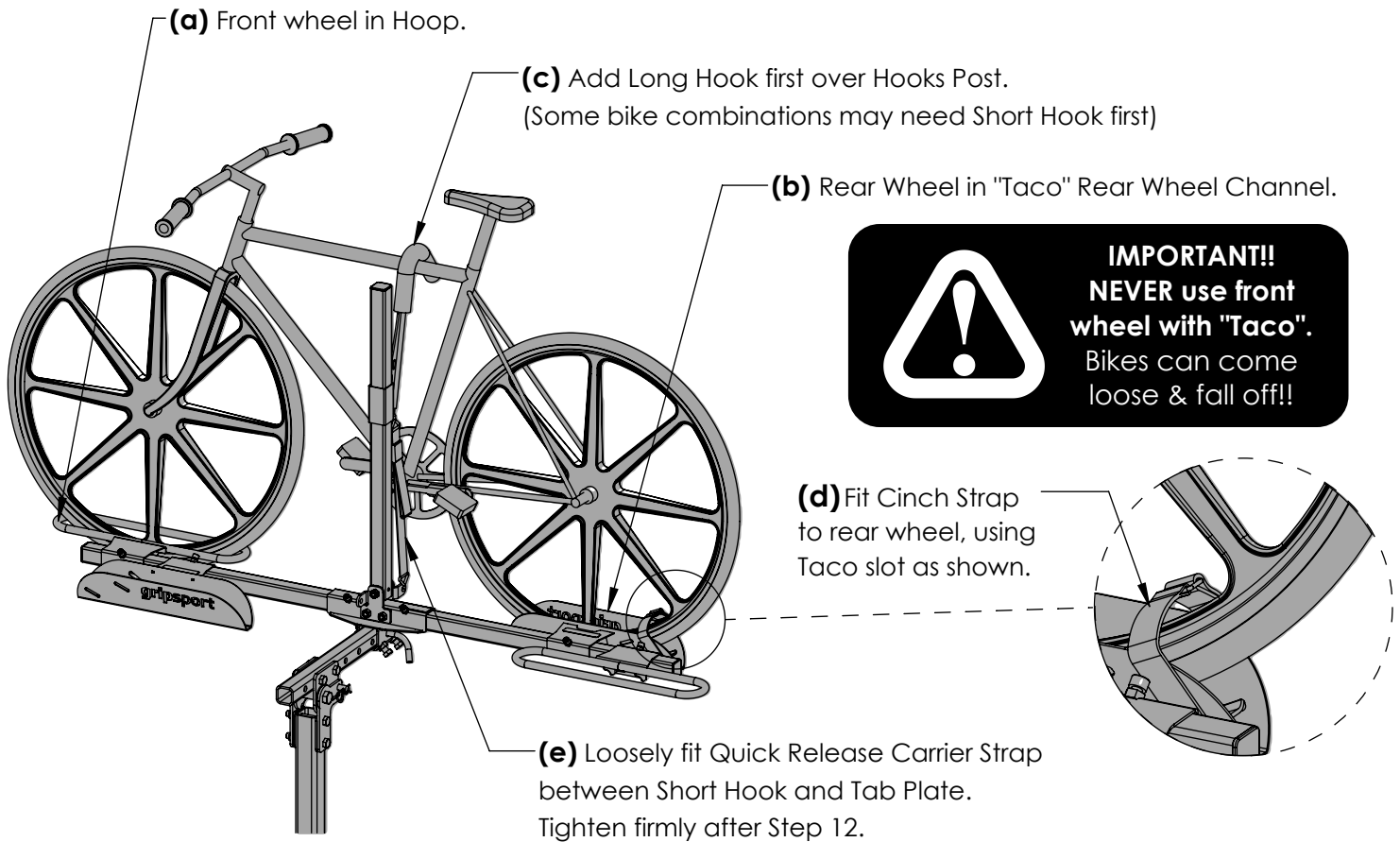


Shown:  
Tall Post with Fixed Mount, 2 bike carrier  
with Hoop and Taco wheel carrier set-up.

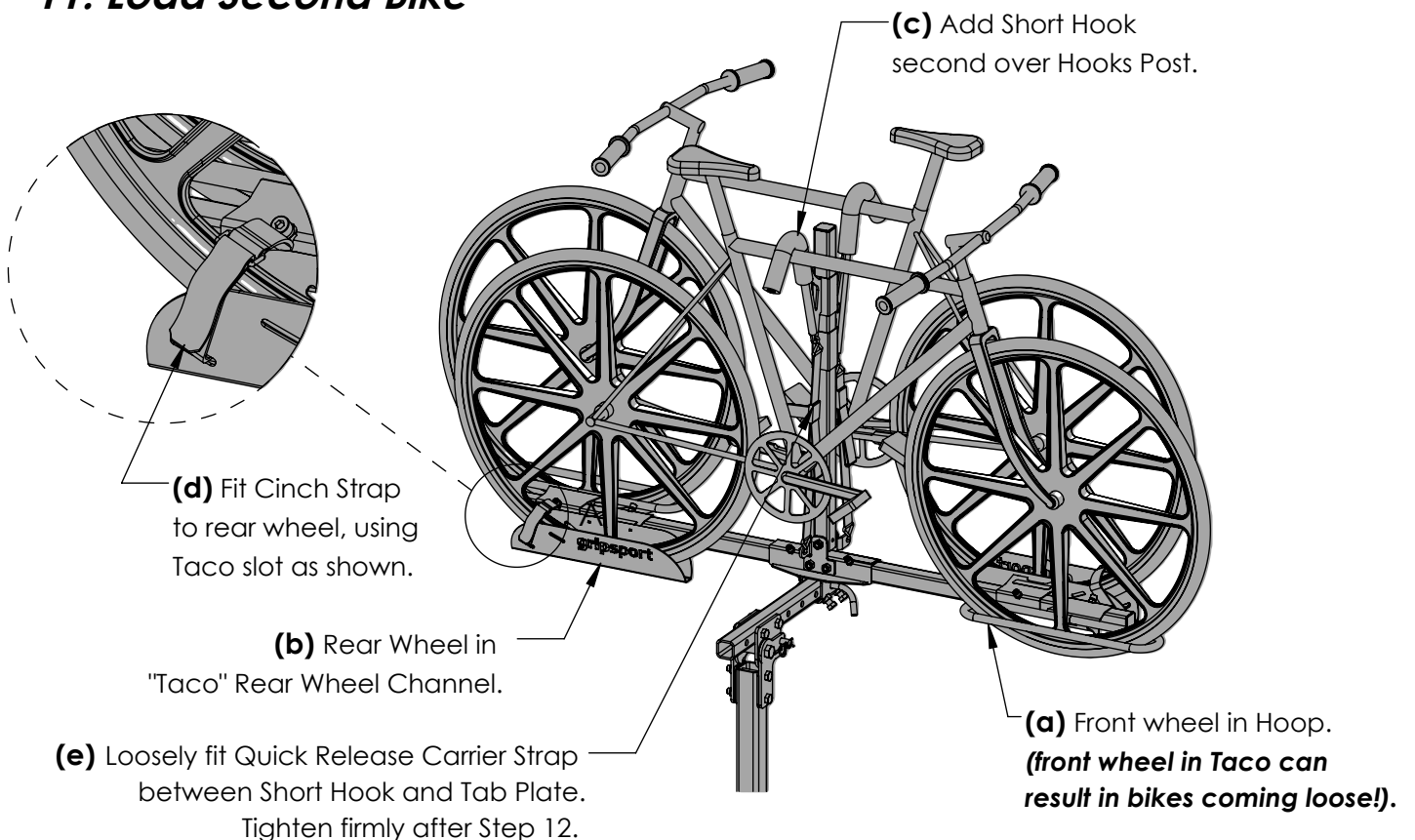
**Tip!**  
All-Hoop & Fat Bike set-up  
follows same method.

## 10. Load First Bike

Lift first bike into position as shown and complete these steps:



## 11. Load Second Bike



## 12. Hooks & Post for secure carrying

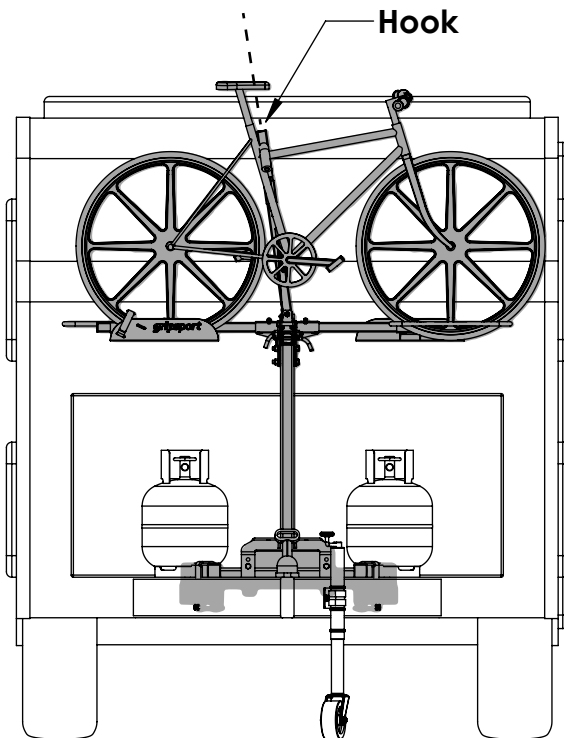
**gripsport**



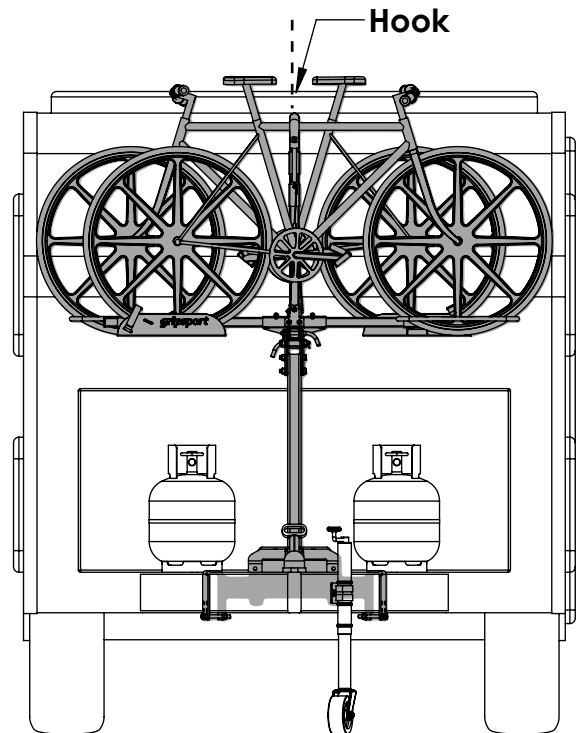
### IMPORTANT!!

User **MUST** adjust Hook and Hooks Post to suit their bikes as shown below to ensure secure carrying. Failure to do so can result in bikes coming loose off rack!

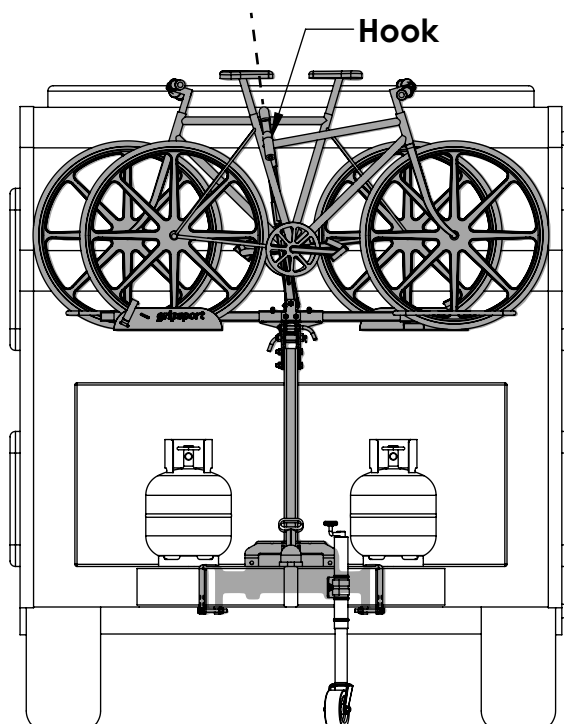
If carrying only 1 bike, **pivot the Hooks Post so the Hook sits at the lowest point on the sloped top tube.**



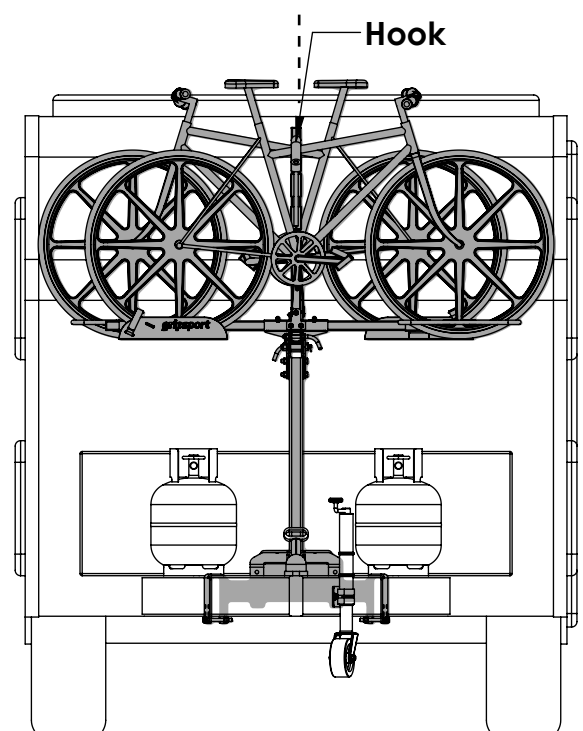
If carrying 1 or 2 bikes with flat top tubes, **keep the Hooks Post in a vertical position.**



If carrying 1 flat & 1 sloped top tube bikes, **pivot the Hooks Post so the Hook sits at the lowest point on the sloped top tube.**

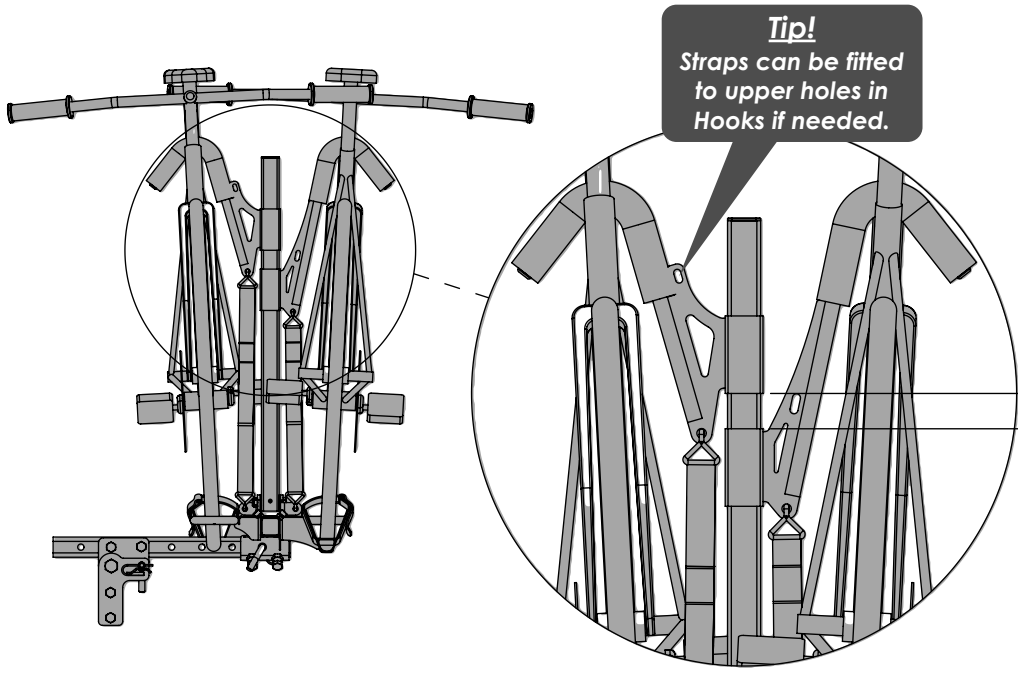


If carrying 2 sloped top tube bikes, **keep the Hooks Post in a vertical position.**



# 13. Tighten Carrier Straps

Tighten Carrier Straps and ensure a gap is remaining between Hooks.




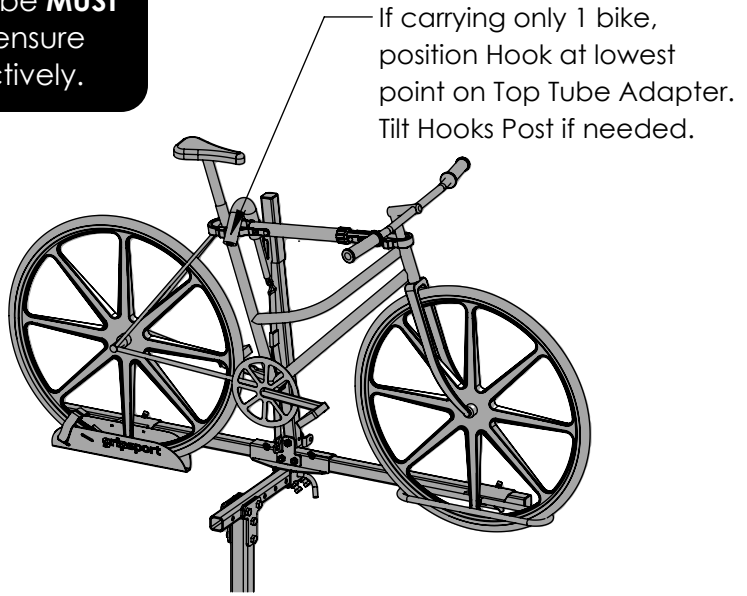
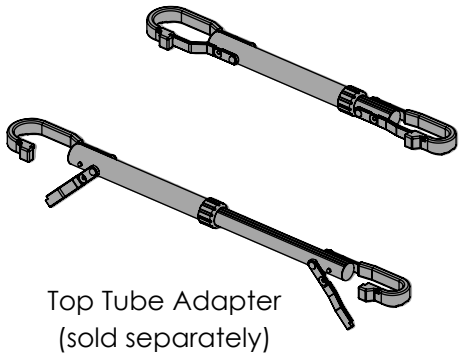
**IMPORTANT!!**  
There **MUST** be a gap between the Hooks to ensure firm tension of Carrier Straps. Tilt Hooks Post if needed.

**Check & tighten all Carrier Straps firmly!**

**Tip!**  
Bikes with rear suspension: slightly compress suspension when tightening Carrier Strap for a firmer fit.

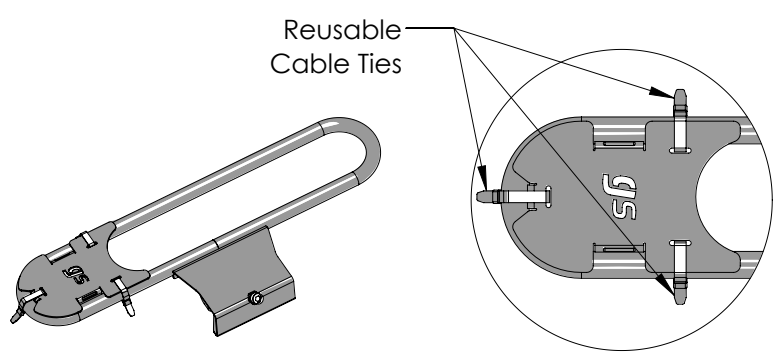
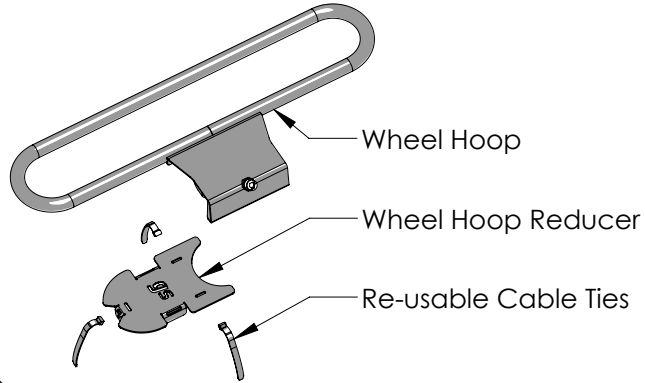
# 14. Special Case - Step-through Frames

 Step-through frames with a low top tube **MUST** be fitted with a Top Tube Adapter to ensure the Hook and Carrier Strap work effectively.



# 15. Special Case - Wheel Hoop Reducers

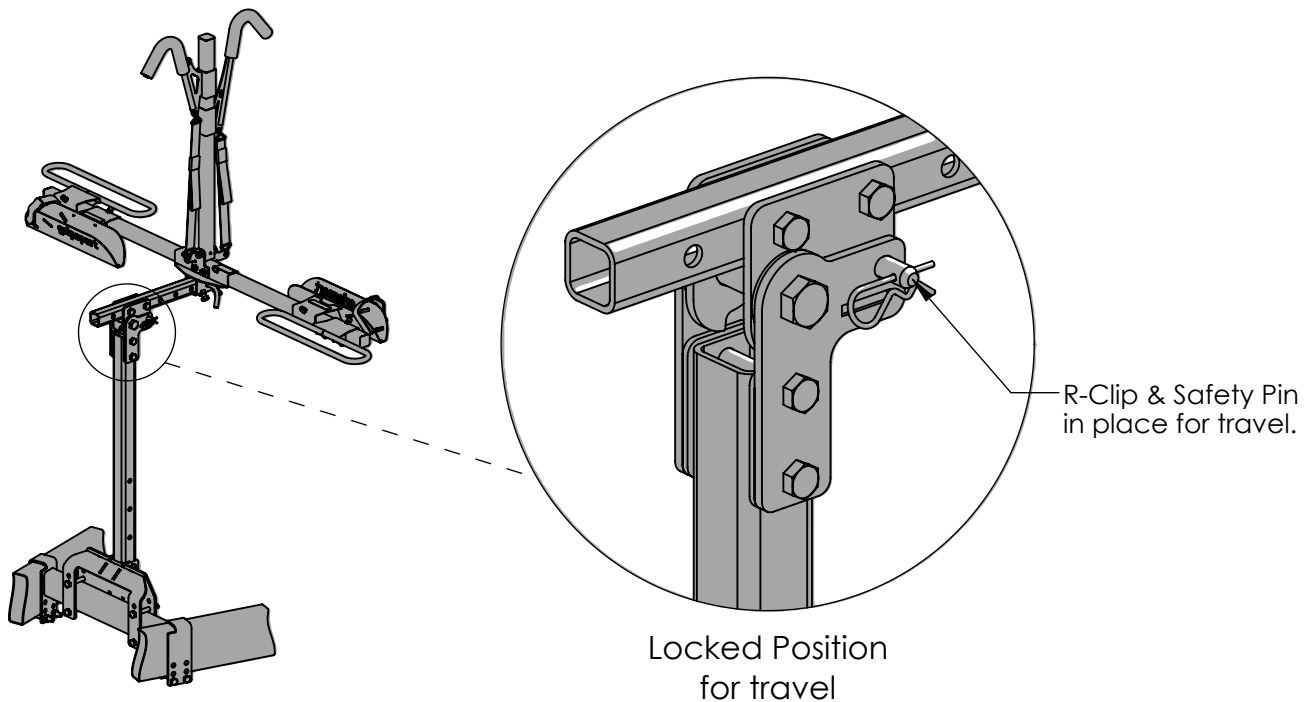
If using Wheel Hoop Reducers, position as shown below and fix with Cable Ties:



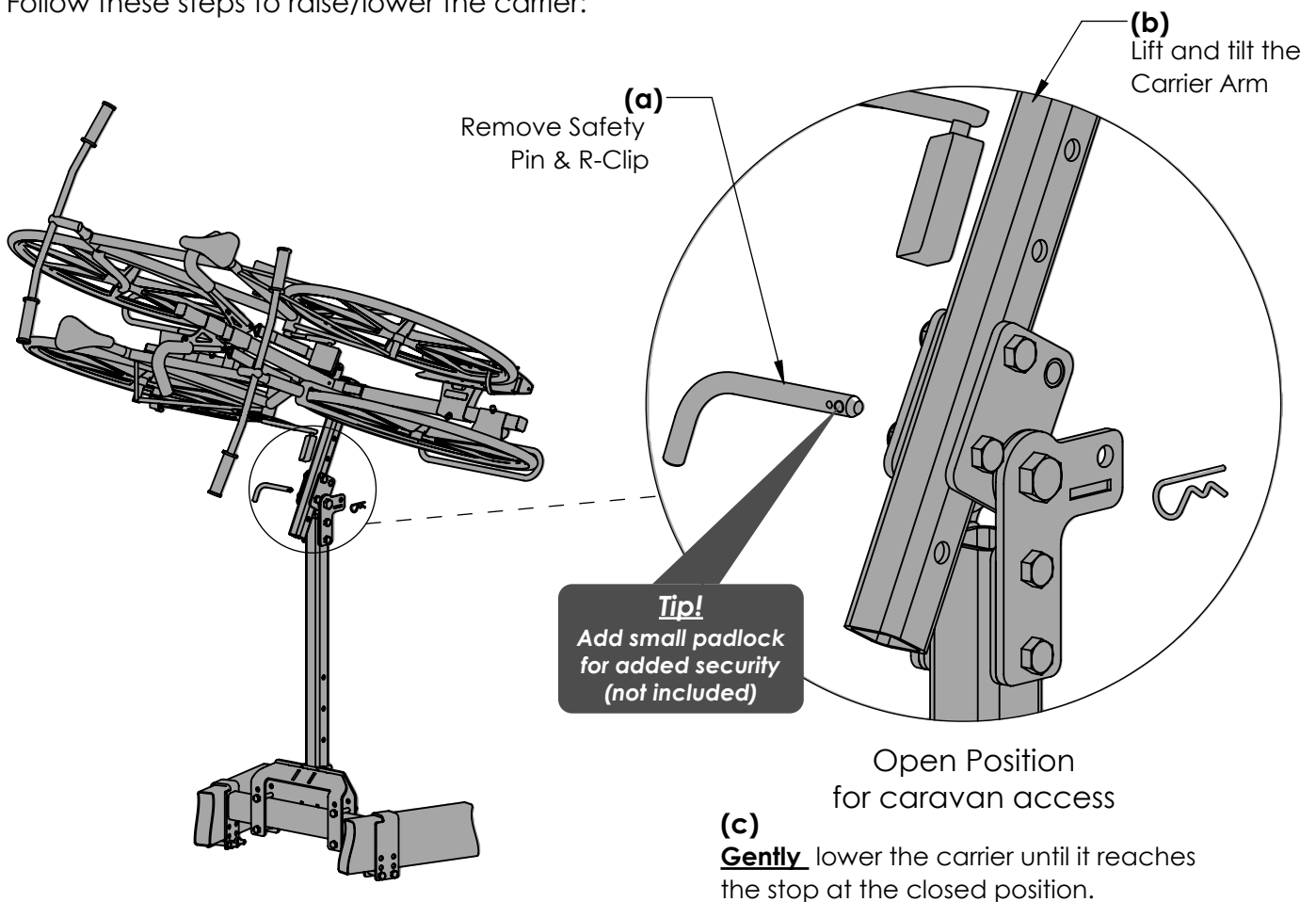
## 16. Tilting the Carrier

**gripsport**

If a Tilting Mount has been selected, the carrier can be tilted to gain access to toolboxes, etc. underneath the rack.



Follow these steps to raise/lower the carrier:



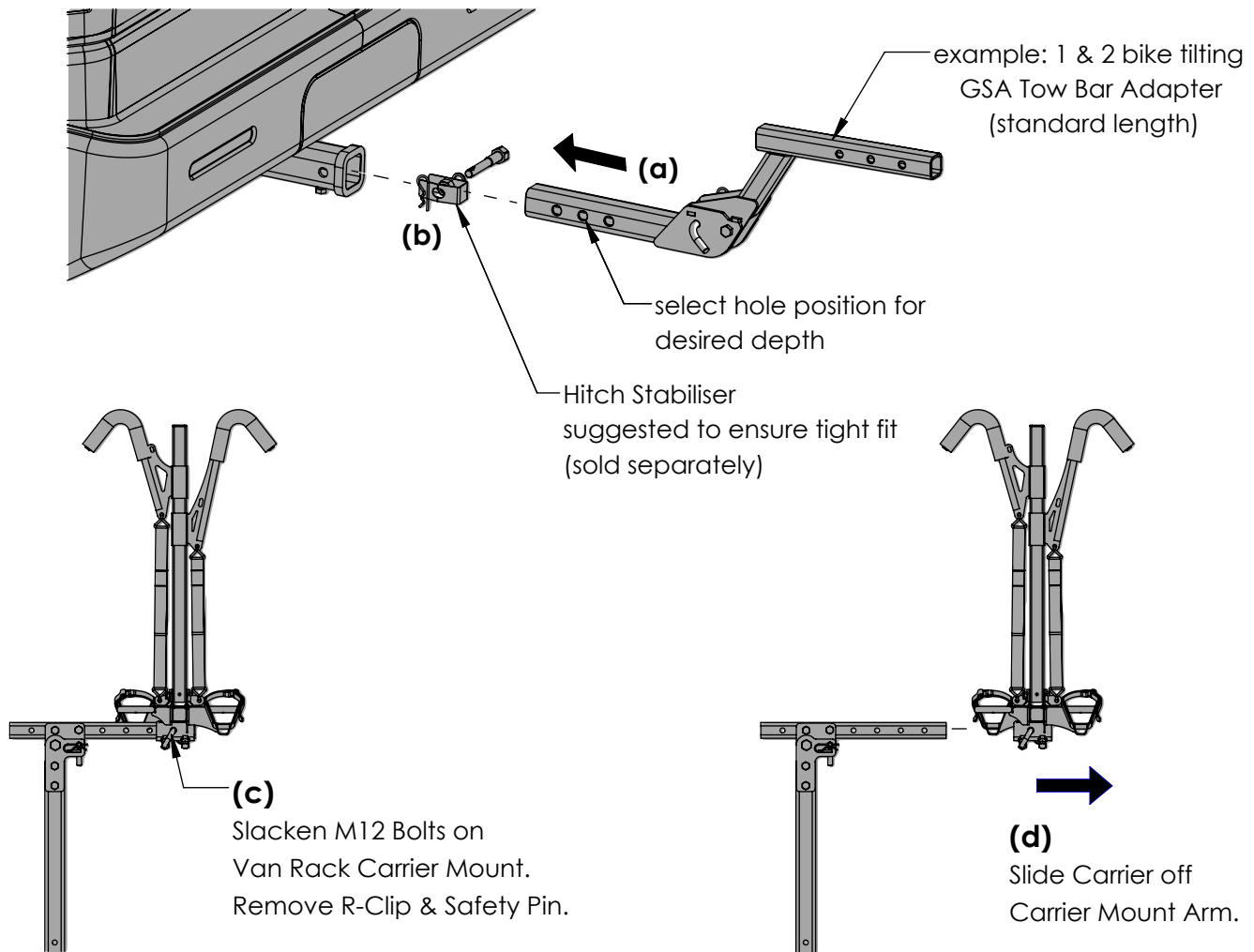
(d) **ALWAYS** refit Safety Pin & R-Clip to lock Carrier Mounting Arm before travel.



## 17. Switching between Van Rack & Tow Bar Adapter

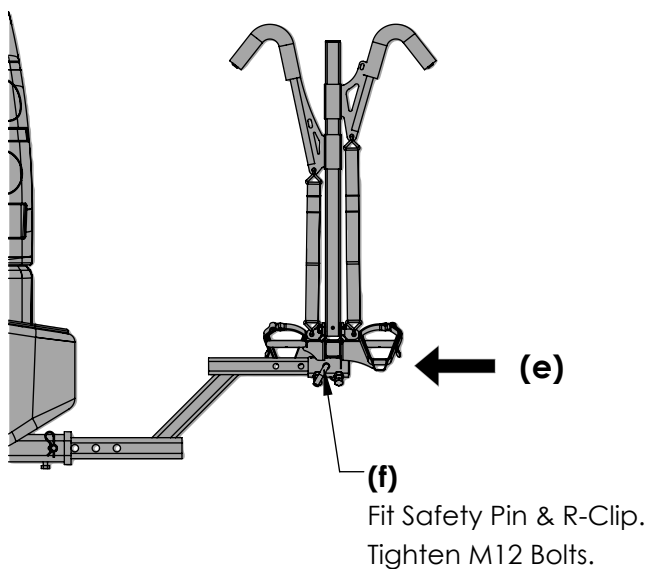
**gripsport**

- (a) Fit selected Tow Bar Adapter to vehicle hitch receiver (2inch square) into desired depth.  
 (b) Use your hitch pin & safety clip, tighten any anti-rattle bolts, etc. as per your tow bar guidelines.  
 Install Hitch Stabiliser if purchased for added stability.

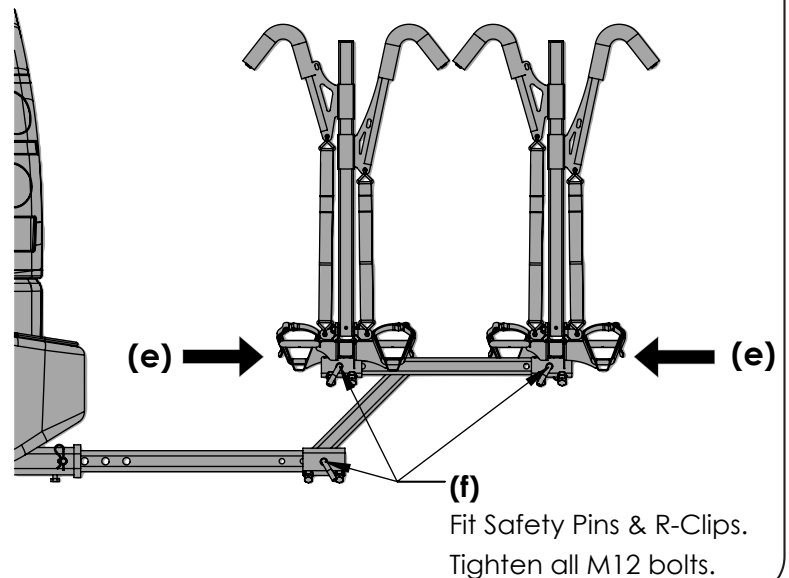


- (e)** Slide Carrier onto selected Tow Bar Adapter.

### 1&2 Bike Tow Bar Adapter



### 3&4 Bike Tow Bar Adapter



## 18. Suggested: Fit Rack Light

**gripsport**

For courtesy and legal compliance, use GripSport Rack Light. Fit as shown below:

