

# PRODUCT MANUAL

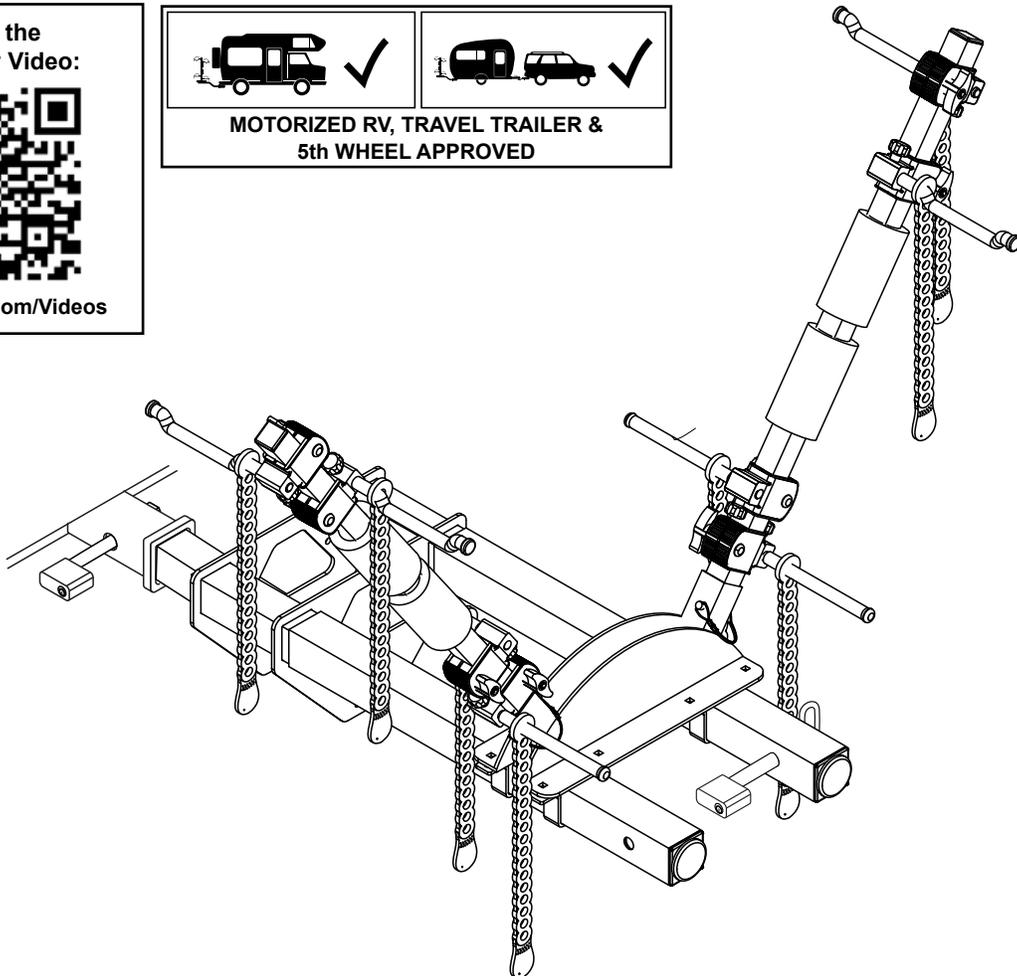
## ASSEMBLY, INSTALLATION, AND OPERATION INSTRUCTIONS

Maximum Load Weight Limit is 75 lbs per Bicycle. For 2in Hitch Receivers. Fits rims up to 4.5 inches wide (119 mm). Rack empty weight is 72lbs.

Watch the  
Assembly Video:



LetsGoAero.com/Videos



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# PARTS LIST

## PARTS

### QTY. DESCRIPTION

A	1	TWINTUBE SPINE
B	2	LOCK & KEYS
C	1	5/8" SILENT HITCH PIN®
D	1	5/8" SILENT HITCH PIN WITH HANDLE
E	1	5/8" LOCK WASHER
F	1	5/8" FLAT WASHER
G	1	5/8" PLASTIC BUSHING
H	2	5/8" SPRING NUT
J	1	WAX
K	2	RUBBER BUMPER
L	2	END CAPS 2"
M	2	SLIDE TUBES
N	1	BASE
P	4	HAT BRACKETS
Q	8	5/16" X 1" CARRIAGE BOLTS

## PARTS

### QTY. DESCRIPTION

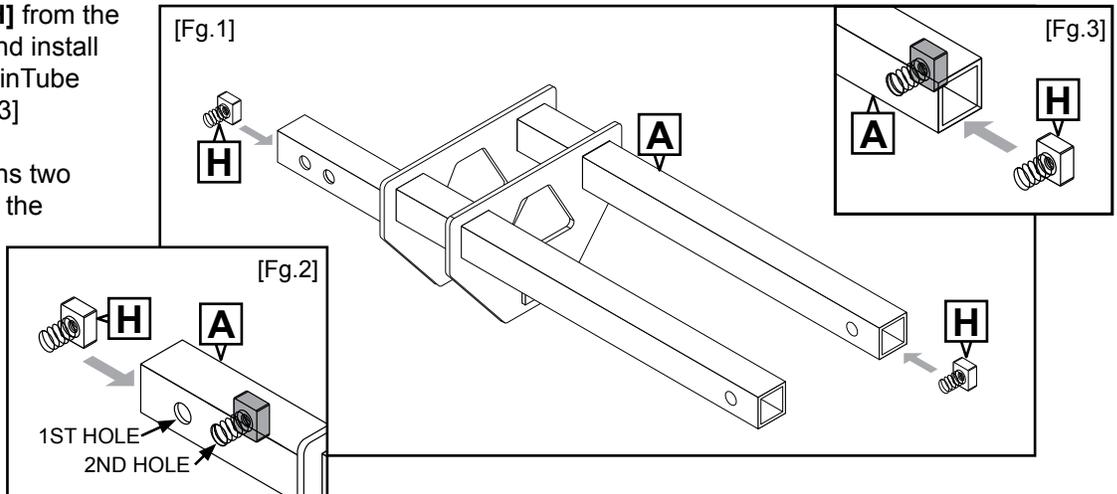
R	1	SAFETY CABLE (W/ QUICK LINK)
S	2	REFLECTOR END CAPS, 2 1/4"
T	2	#10 K-LATH SCREWS
U	8	5/16" WASHERS
V	8	5/16" NYLOCK NUTS
W	4	UPPER WHEEL CRADLE
X	4	LOWER WHEEL CRADLE
Y	8	RUBBER STRAP
Z	2	WING
AA	8	CRADLE HOUSING
BB	2	WIRE LOCK PIN
CC	1	CABLE
**	2	LARGE RETAINER CLIPS (OPTIONAL)

## STEP 1

Remove the Spring Nuts [H] from the Silent Hitch Pins [C & D] and install the Spring Nuts into the TwinTube Spine [A] as shown. [Fig.1-3]

The shank tube end contains two mounting holes. [Fig.2] Use the second hole in from the end. If more clearance is needed, use the first hole in from the end.

**NOTE:** User may choose either Twintube hole opposite the shank end.

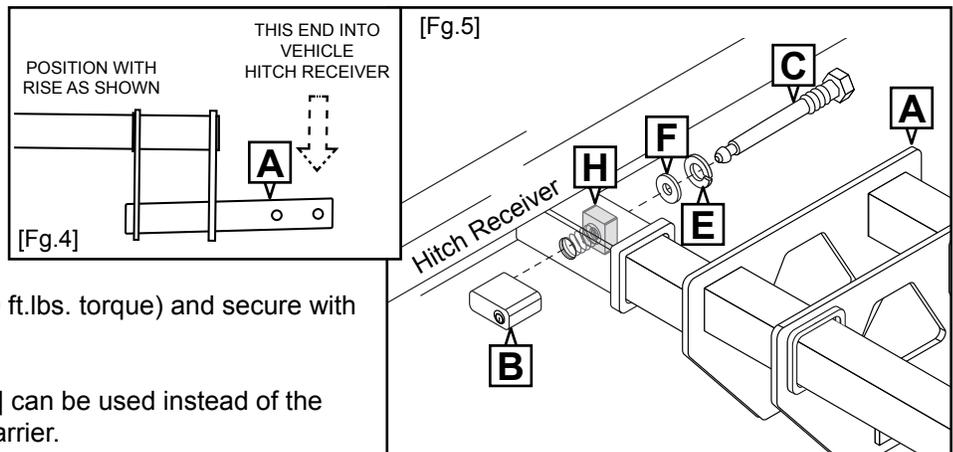


## STEP 2 REQUIRED TOOL: 7/8" WRENCH

Slide the TwinTube [A] shank into the receiver with the 5 inch rise positioned above the hitch as shown. Align the mounting hole with Spring Nut [H] installed in the receiver hitch. [Fig.4]

Insert the Silent Hitch Pin [C] with 5/8in Lock Washer [E] & Flat Washer [F] into the receiver hole and thread through the Spring Nut [H] as shown. Tighten (30 ft.lbs. torque) and secure with Lock [B]. [Fig.5]

**NOTE:** Optional Large Retainer Clips [\*\*] can be used instead of the Lock [B] if you choose not to lock your carrier.

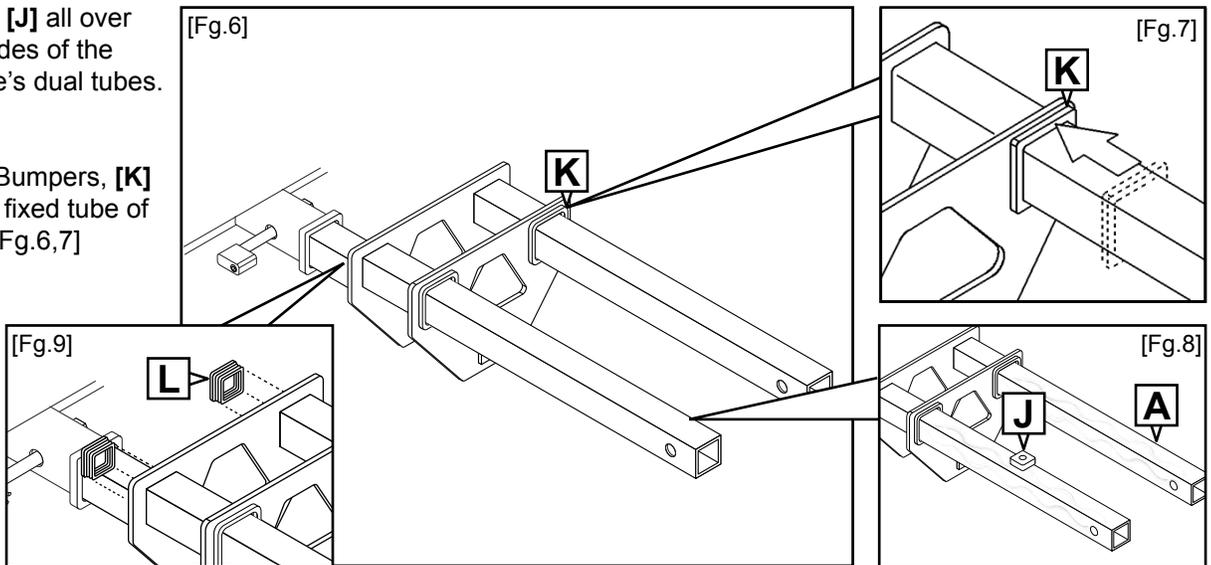


### STEP 3

Rub the Wax Block [J] all over along the all four sides of the TwinTube [A] Spine's dual tubes. [Fig.6,8]

Install two Rubber Bumpers, [K] with one onto each fixed tube of the TwinTube [A]. [Fig.6,7]

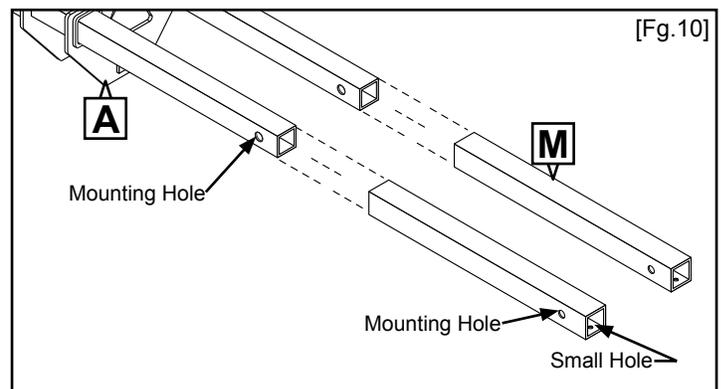
Install two 2" End Caps [L] into the back side of the TwinTube [A] plates, if not already done. [Fig.9]



### STEP 4

Insert the Tubes [M] onto the fixed tubes of the TwinTube [A] Spine. [Fig.10]

Be sure that the mounting holes on the TwinTube [A] and Slide Tubes [M] align and that the small hole at the end of tube is facing down.



### STEP 5 REQUIRED TOOL: 1/2" WRENCH

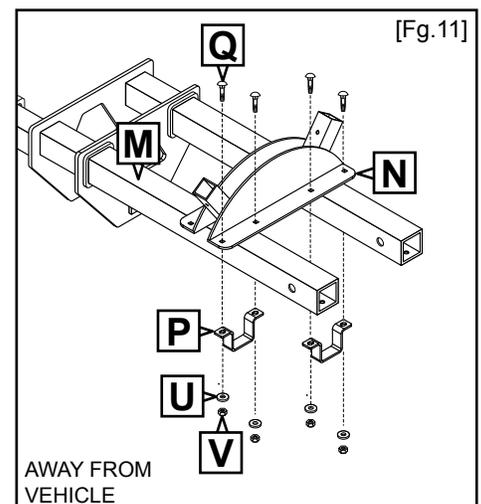
Set the Base [N] on top of the Slide Tubes [M].

**NOTE:** This position will determine how far the bicycles will be mounted from the vehicle.

Install two (2) Hat Brackets [P] from underneath Slide Tubes [M] (one Hat Bracket per Slide Tube) so the Hat Brackets wrap around the Slide Tubes and align with the holes on the side of the Base [N] **facing away from the vehicle** as shown.

Using two (2) 5/16in Carriage Bolts [Q], two (2) 5/16in Carriage Washers [U], and two (2) 5/16in Nylock Nuts [V] per Hat Bracket [P] connect the Hat Brackets to the Base [N] as shown [Fig.11].

**IMPORTANT:** Hand-Tighten only at this time, further adjustment will be required before final assembly.

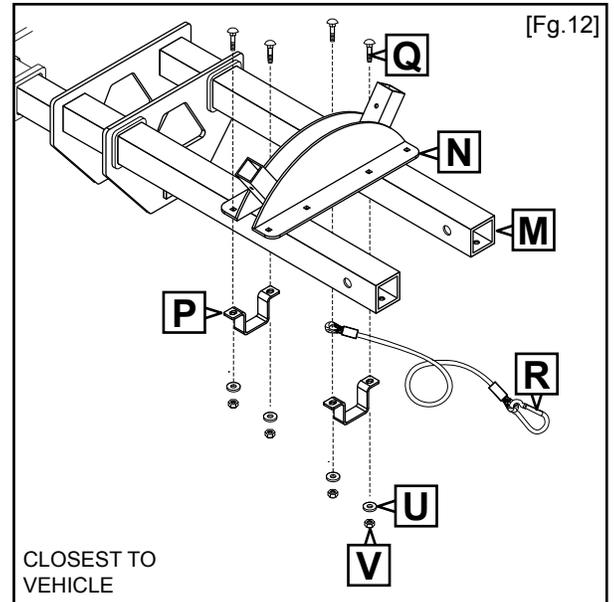


**STEP 6** REQUIRED TOOL: 1/2" WRENCH

On the side of the base that is closest to the vehicle, in the same manor as STEP 5, attach the remaining Hat Brackets Assemblies [P, Q, U, V] to the Base [N] adding the "looped end" of the Safety Cable [R] between the Hat Bracket and Base [N] on one side only [Fig.12].

**IMPORTANT:** The Safety Cable [R] must be placed on the interior of the Slide Tube [M] and on the side of the Base [N] that is closest to the vehicle.

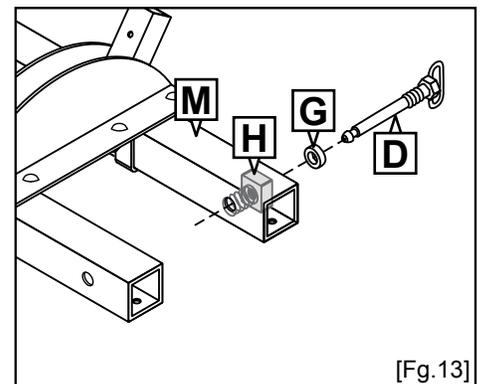
**Hand-Tighten only at this time, further adjustment will be required before final assembly.**



**STEP 7**

With the Slide Tubes fully [M] installed on the TwinTube Spine [A] and rear holes on tubes lined up, insert the Handle Silent Hitch Pin with Plastic Bushing through the end with Spring Nut installed in STEP 2, engage threads and tighten firmly. [Fig.13]

**NOTE:** The Silent Hitch Pin with Handle [D] controls the slide-out function of the platform. Once installation is complete, the Hand-Tighten Silent Hitch Pin may be removed in order to slide the carrier rearward for rear hatch access when vehicle is stationary.

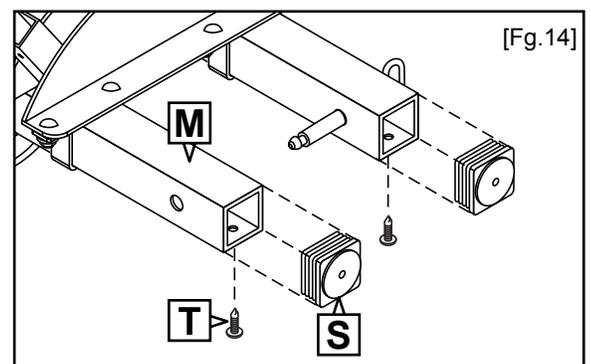


**▲WARNING:**

Never operate vehicle without the Silent Hitch Pin with Handle fully secured. Failure to follow proper procedures may result in bodily injury and property damage.

**STEP 8** REQUIRED TOOL: PHILLIPS HEAD BIT & DRILL

Install the Reflector End Caps [S] over both ends of each Slide Tube [M] and secure with one (1) #10 K-Lath Tex Screw [T] each. [Fig.14]



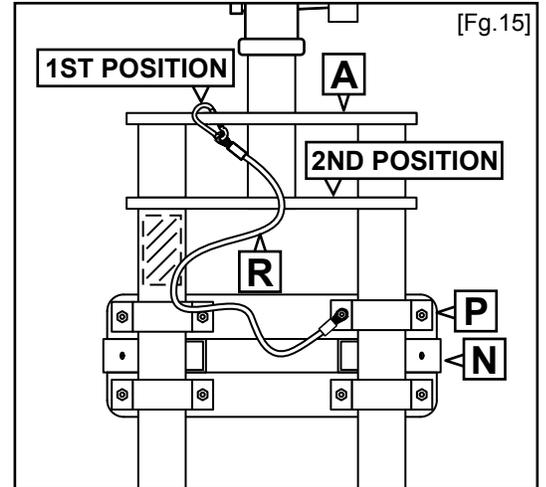
## STEP 9

Attach the carabiner to the Safety Cable [R] (if not already pre-installed). From underneath the carrier, connect the quick-link end of the Safety Cable [R] to the hole in the frame of the TwinTube [A]. [Fig.15]

**NOTE:** The Safety Cable [R] can be secured in two positions. Secure the Safety Cable to the first position. For maximum installed clearance needs, the second position may be used.

With the Hat Brackets [P] from STEP 5 & 6 still loosely secured, adjust the Base [N] back and forth along the Slide Tubes [M] to adjust for required user application and vehicle clearances. **Tighten the bolts on the Hat Brackets [P] firmly once determined.**

**IMPORTANT:** The Base [N] must be positioned forward of the Handle Silent Hitch Pin location (close to vehicle). Be sure to allow room for the Pin handle to turn and operate as required.



### ⚠ WARNING:



**DO NOT ALLOW HAT BRACKETS [P] TO OVERLAP THE WARNING LABEL LOCATED ON THE SLIDE TUBE.** Failure to do so may permit over-extension of the Safety Cable allowing the Slide Tubes to come off and cause damage or personal injury.

### ⚠ WARNING:

Never operate the carrier's slide-out function without confirming the Safety Cable [R] is fully secured. Failure to follow proper procedures may result in bodily injury and property damage.

## STEP 10:

Using one (1) Wing [Z], slide both foam bumpers to the center of the Wing.

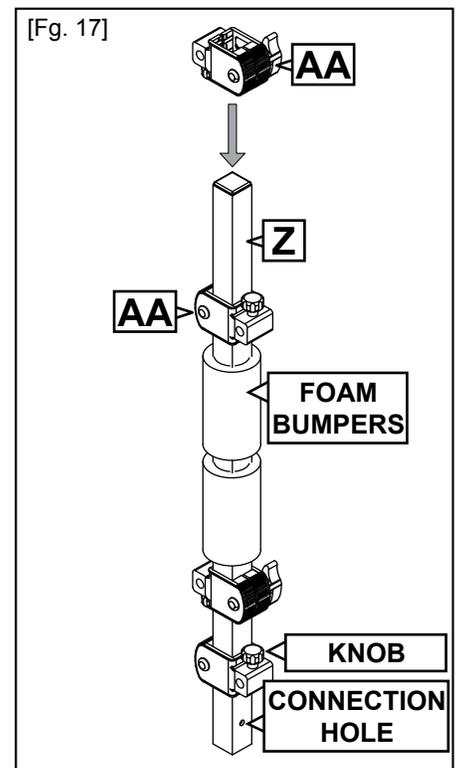
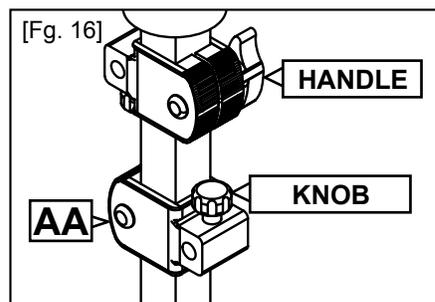
Loosen handles on each Cradle Housing [AA]. Slide two (2) Cradle Housings [AA] above the foam bumpers and two (2) Cradle Housings below the foam bumpers.

**NOTE:** The Knobs located on each Cradle Housing [AA] MUST rest along the same sides as the connection hole located at the bottom of the Wing. [Fig. 16]

**NOTE:** Position the Cradle Housing so the Knobs alternate direction as shown.

Retighten each Cradle Housing handle to secure in place on the Wing. [Fig. 17]

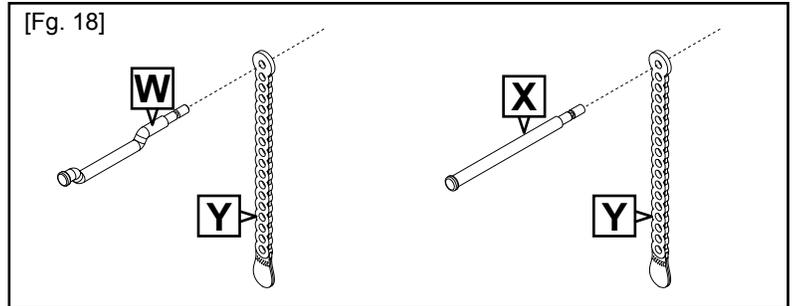
Repeat this step for the second Wing.



## STEP 11:

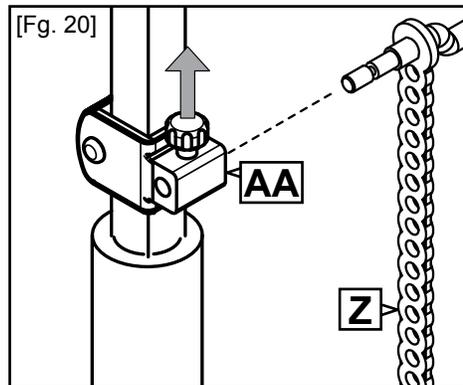
Slide the round end of one (1) Rubber Strap [Y] onto each Upper Wheel Cradle [W] and Lower Cradle [X]. [Fig. 18]

**NOTE:** Be sure to slide the Rubber Straps [Y] all the way onto the cradles so that it tightly rests over the plastic coating of the Wheel Cradle [W & X].

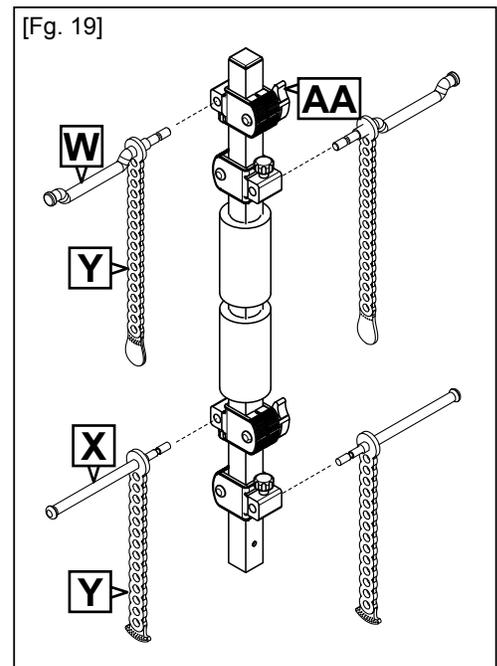


## STEP 12:

Pull out the Knobs located on the two (2) Cradle Housing [AA] installed **above** the foam bumpers on each Wing [Z] and insert two (2) Upper Wheel Cradles [W] with Rubber Straps [Y] facing in opposite directions into as shown. [Fig. 19 & 20]



Install two (2) Lower Wheel Cradles [X] with Rubber Straps [Y] facing in opposite directions into as shown. [Fig. 19-20]

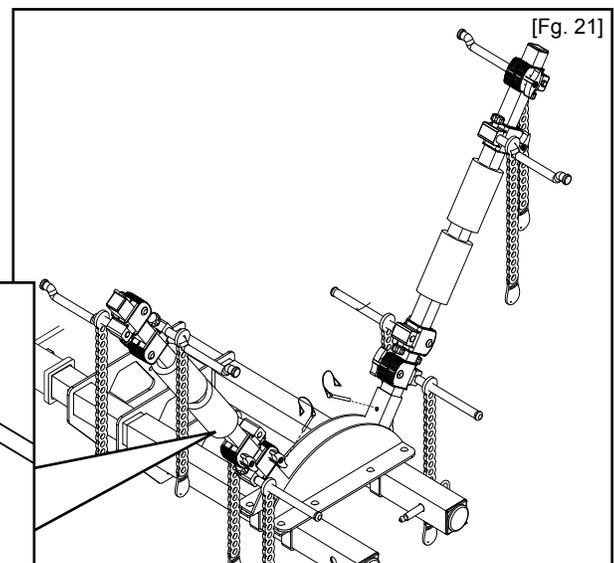
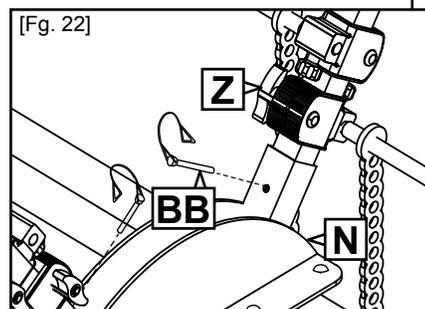


## STEP 13:

Slide both Wings [Z] into the tubes located on the Base [N] aligning the holes at the bottom of the Wing with holes on the Base.

Thread one (1) Wire Lock Pin [BB] into the holes located on each Base [N] port securing the Wings to the Base [N]. [Fig. 21 & 22]

**NOTE:** The Wire Lock Pin [BB] **MUST** always be threaded through the hole in the Base [N] from inside the Base as shown.

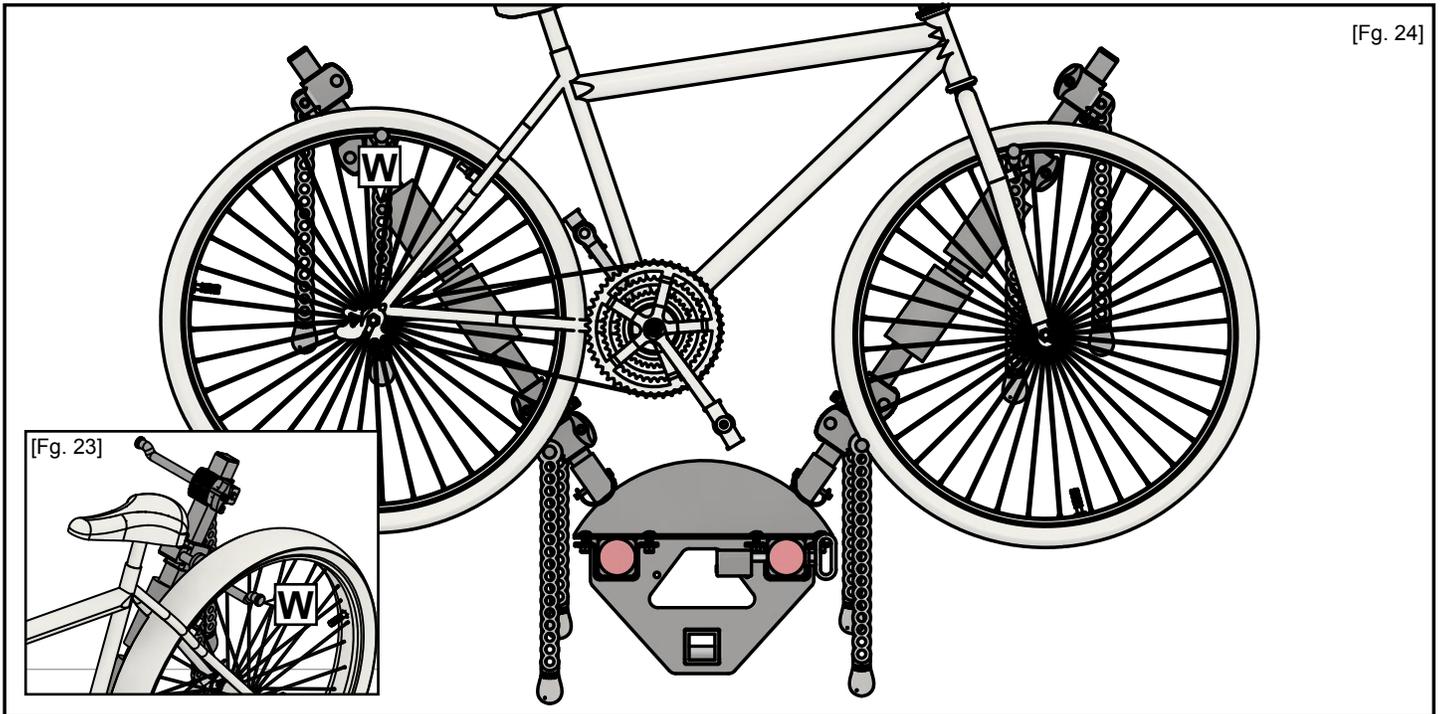


## OPERATION: BICYCLE MOUNTING

Hang bicycles by the tires on the Upper Wheel Cradles [W] with the chain rings to the outside. [Fig. 23 & 24]

Adjust the Foam Bumpers located on the Wings [Z] to protect the frame of the bicycle.

**IMPORTANT:** For two bicycles, position the bicycles facing in opposite directions (front-to-back/back-to-front) **with the chain ring to the outside.**

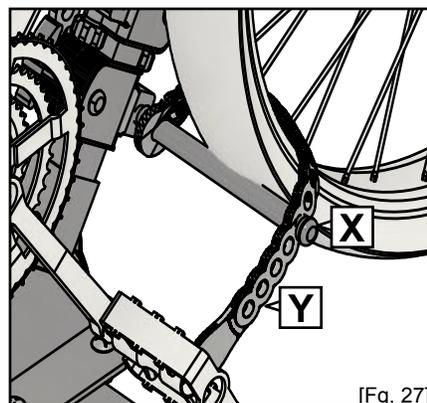
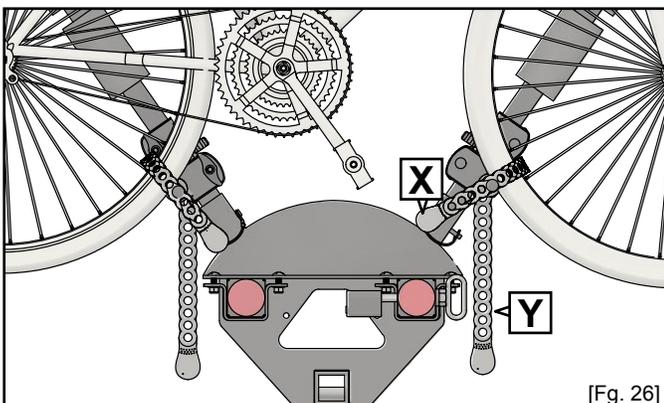
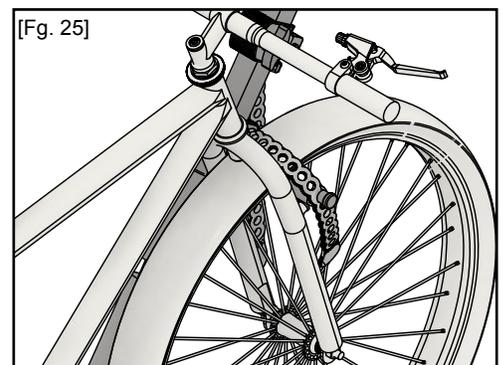


Secure Rubber Straps [Y] on to Upper Wheel Cradles [W] using the tightest hole available. [Fig. 25]

Slide the Lower Wheel Cradle [X] to meet the bottom/side of the bicycle tire.

Secure the Lower Wheel Cradle [X] using the same technique as the Upper Wheel Cradles. [Fig. 26 & 27]

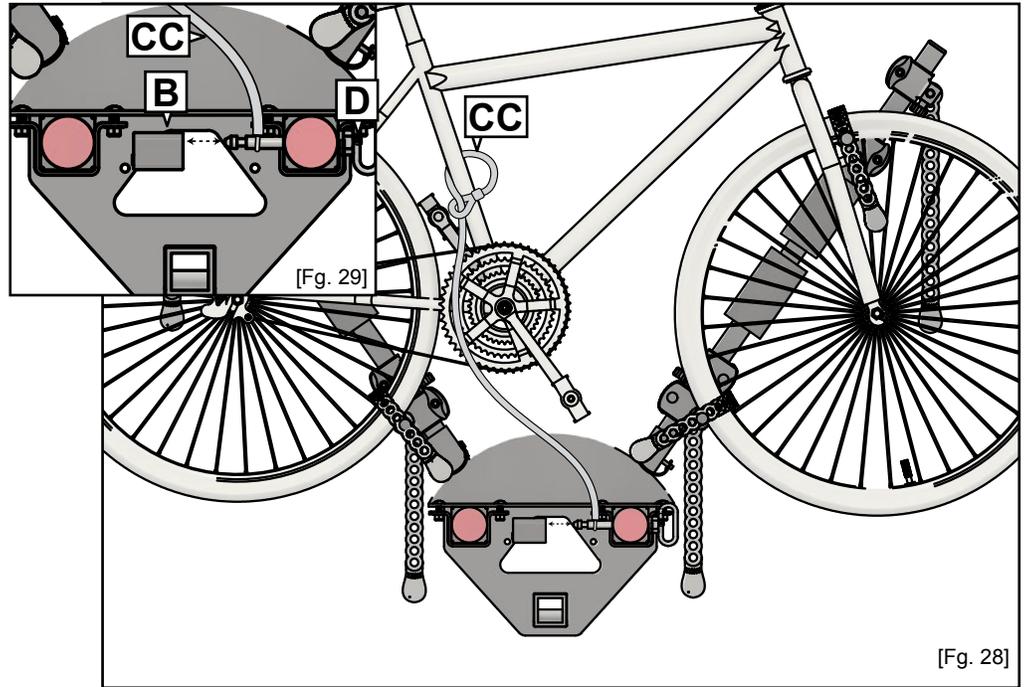
**TIP:** Pull the Rubber Straps [Y] to the outside edge of the Lower Cradle [X] to position bicycles wheels so the frame of the bicycle is pulled away from the Wings [Z] for wheel touch only performance. [Fig. 27]



## LOCKING BICYCLES

Wrap the Cable [CC] around the bicycle frame and slide the small loop through the large loop on the Cable to create a closed loop around the bicycle. [Fig. 28]

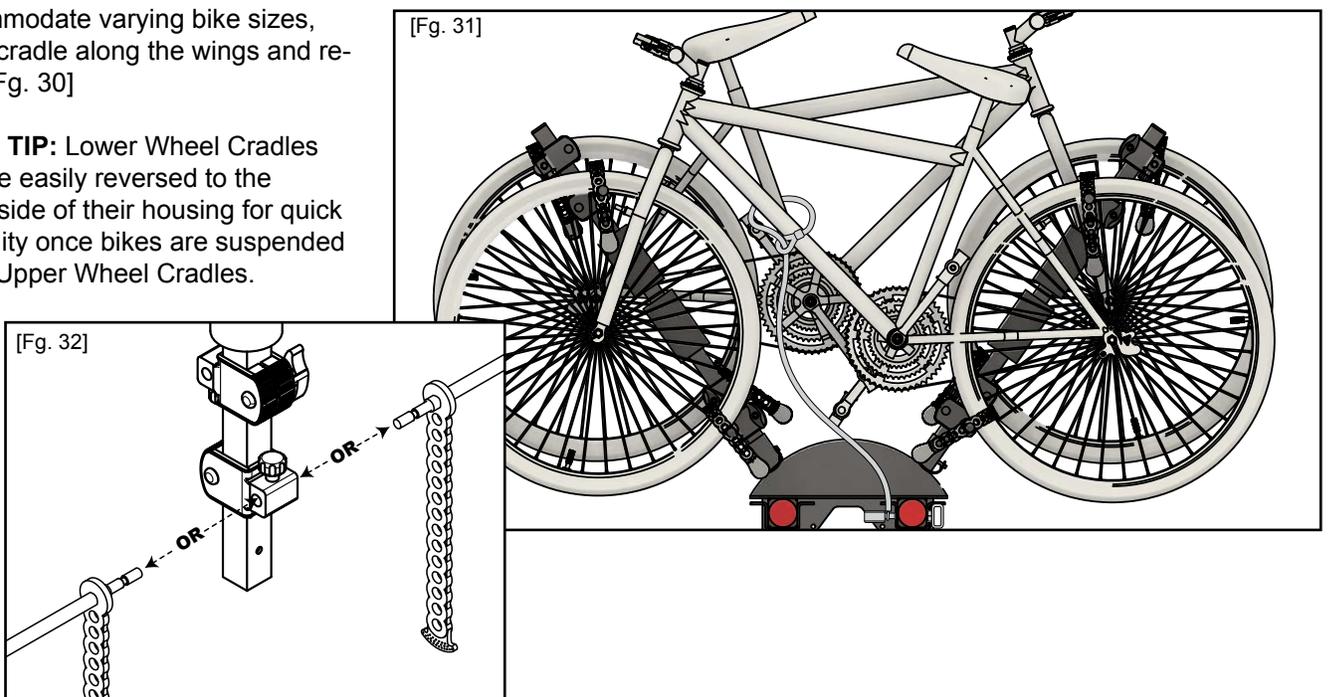
Secure the the small loop of Cable [CC] onto the Silent Hitch Pin with Handle [D] and apply the Lock [B]. [Fig. 28 & 29]



## ADJUSTING POSITION OF BICYCLES

To accommodate varying bike sizes, slide the cradle along the wings and re-tighten. [Fig. 30]

**BIKE FIT TIP:** Lower Wheel Cradles [X] can be easily reversed to the opposite side of their housing for quick adjustability once bikes are suspended from the Upper Wheel Cradles. [Fig. 31]



### ▲ CAUTION:

Car vehicle exhaust can cause a hazard. As a precaution, position bicycles clear of exhaust.

## OPERATION GUIDELINES

- Approved for all passenger vehicles including motorized and tow behind RVs
- For use on receiver style hitch only; not warranted for bolt-on bumper style mount, "D.I.Y" or any other variation
- Keep bicycles away from hot exhaust
- For best weight distribution, always load heaviest bicycles closest to vehicle hitch and lightest bicycles farther away.
- Do not use Let's Go Aero carriers and accessories for purposes other than which they were designed.

### **⚠ WARNING:**

Be sure the Silent Hitch Pin is full tightened on the hitch and that the Hand-tighten Silent Hitch Pin is snug before transit. Always check and confirm all bolts and connections are tight and fully secure before each transit. Failure to follow proper installation and equipment checks before transit may result in damage to carrier, damage to property, bodily injury or death.

### **⚠ WARNING:**

Always secure each bicycle with all four connections points (two Upper Wheel Cradles & two Lower Cradles). Do not operate the vehicle unless all connection points are tight and secured. Failure to follow bicycle mounting procedure may result in damage to carrier, damage to property, bodily injury or death.

## LET'S GO AERO LIMITED 3-YEAR WARRANTY

If a Let's Go Aero bike rack is found to have a defect in workmanship or material within a 3-year period of the purchase date of the original purchaser, Let's Go Aero will repair or replace the defect free of charge. This warranty terminates if a purchaser transfers the product to any other person.

The warranty does not cover damage or wear which occurs as a result of day to day use or general wear and tear. No warranty is given for defects caused by normal wear and tear, cosmetic rust, scratches, accidents, unlawful vehicle operation, or modification of, or any types of repair of, a load carrier system other than those authorized by Let's Go Aero. No warranty is given for defects resulting from conditions beyond Let's Go Aero's control including, but not limited to, misuse, overloading, or failure to assemble, mount or use the product in accordance with Let's Go Aero's written instructions or guidelines included with the product or made available to the purchaser.

Subject to the limitations and exclusions described in this warranty, Let's Go Aero will remedy defects in materials or workmanship by repairing or replacing any parts diagnosed to be at issue without charge for parts or labor. In the event that a product is defective, the purchaser should contact the Let's Go Aero dealer from whom the product was purchased. If the dealer is not able to correct the defect, the purchaser should contact Let's Go Aero in writing to Support@LetsGoAero.com or by phone at 877-464-237 or 719-630-3800.

In the event that a product needs to be returned to Let's Go Aero, a Let's Go Aero technician will provide the purchaser with the appropriate mailing address and any additional instructions. Proof of purchase in the form of an original purchase invoice or receipt, and a detailed description of the defect must be provided. Please note that a Return Merchandise Authorization (RMA) from Let's Go Aero is required for any returns.

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