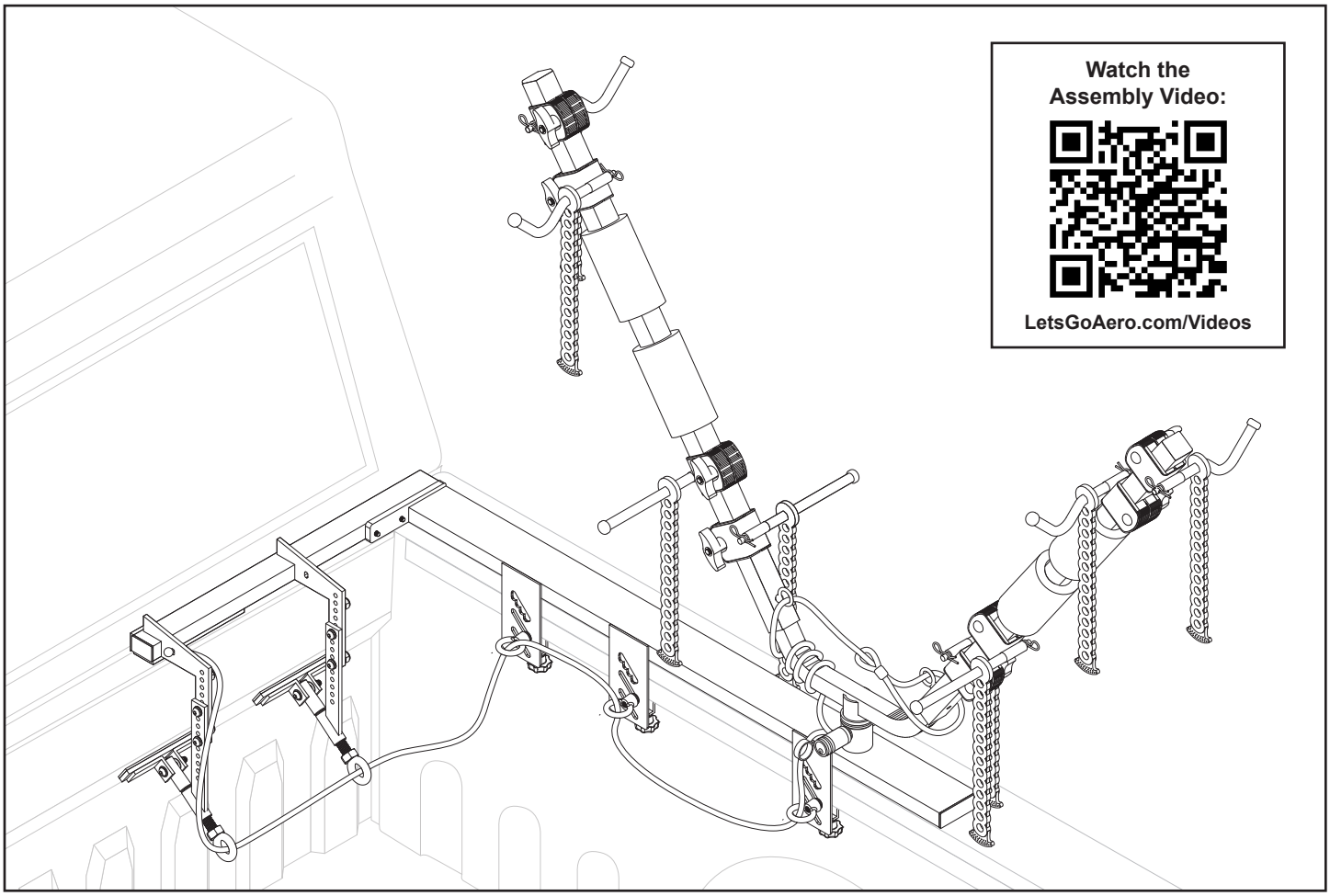
LET'S GO AERO
Gear Management Solutions ™

Half Nelson
2-Bike Truck Mount Carrier
Part No. B01809

PRODUCT MANUAL

ASSEMBLY, INSTALLATION, AND OPERATION INSTRUCTIONS

Rated for 70 lbs (35 lbs per Bicycle) of payload.
For Domestic Pickup trucks or Pickups without C-Channel Bed Attachments.



Watch the Assembly Video:

LetsGoAero.com/Videos

NOTICE: All Manual information is subject to change without notice. Revised editions will be available for free download at LetsGoAero.com. Manual information is considered factual until made obsolete by a revised version.

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For More Information & Accessories, Visit our Website - www.LetsGoAero.com
For Technical Support & Product Questions Contact Us at 877-464-2376 or 719- 630-3800
Email: SUPPORT@LETSGOAERO.COM

PATENT PROTECTED

PARTS LIST

TRUCK MOUNT PARTS

	QTY.	DESCRIPTION
A	1	BED SIDE BAR
B	1	REAR CAB BAR
C	4	9mm TAPERED BOLT
D	3	DOUBLE BOLT ASSEMBLY
E	3	RING NUT
F	3	3/8” WASHER
G	3	3/8” SPLIT RING WASHER
H	2	CAB SUPPORT BRACKET
J	2	ADJUSTMENT BOLT
K	2	CAB SUPPORT FOOT
L	4	1/4” BOLT
M	8	1/4” WASHER
N	4	1/4” NUT
P	4	5/16” WASHER

SPINWING™ PARTS

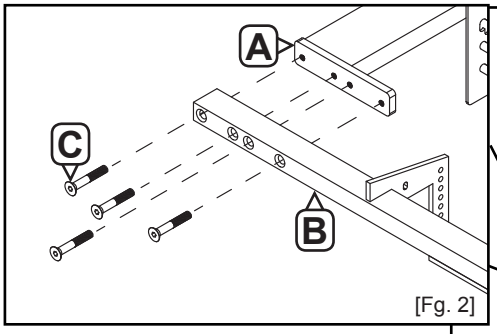
	QTY.	DESCRIPTION
Q	1	STEM
R	1	SPIN RING
S	1	SPIN PIN
T	1	1/2” WASHER
U	4	UPPER WHEEL CRADLE
V	4	LOWER WHEEL CRADLE
W	8	RUBBER STRAPS
X	2	WING
Y	8	CRADLE HOUSING
Z	8	RETAINER CLIP
AA	2	RING PIN
BB	1	60” CABLE (WITH BALL STOP)
CC	1	72” CABLE (WITH LARGE LOOP)
DD	1	LOCK & KEYS

If you are missing any items, contact your sales agent if the product was assembled by them. If not, or if purchased from Let’s Go Aero, please contact us at 1-877-GO-4-AERO (464-2376).

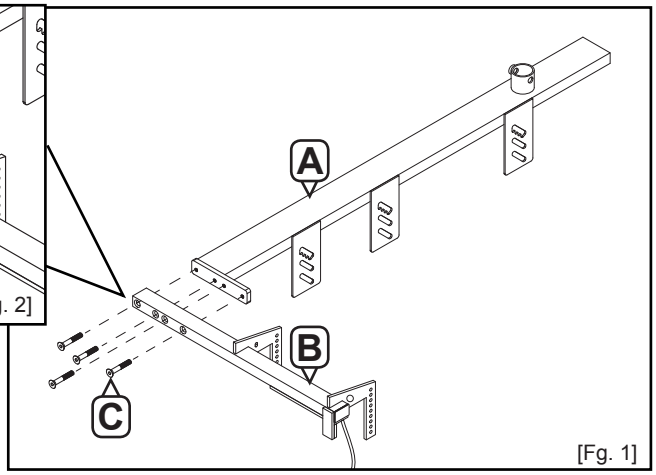
STEP 1: Rear Cab and Bed Side Bar Assembly

Secure the Bed Side Bar **[A]** to the Rear Cab Bar **[B]** using four (4) 9mm Tapered Bolts **[C]**.
[Fg. 1 & 2]

NOTE: Be sure the Tapered Bolts **[C]** are inserted through the wider holes on the back of the Rear Car Bar **[B]**. Bolts should nest flush with the Bar once fully tighten.



[Fg. 2]

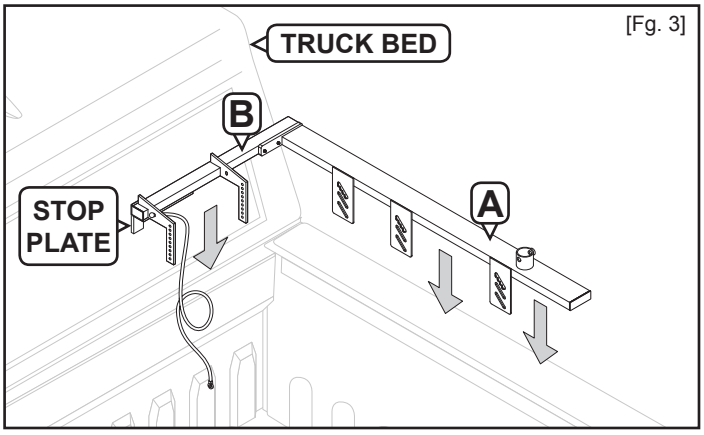


[Fg. 1]

STEP 2: Rear Cab and Bed Side Bar Installation

Place the connected Bed Side Bar **[A]** and Rear Cab Bar **[B]** into the front **passenger side** corner of the pickup truck. Be sure to push the carrier as far in the corner of the truck bed as possible. [Fg. 3]

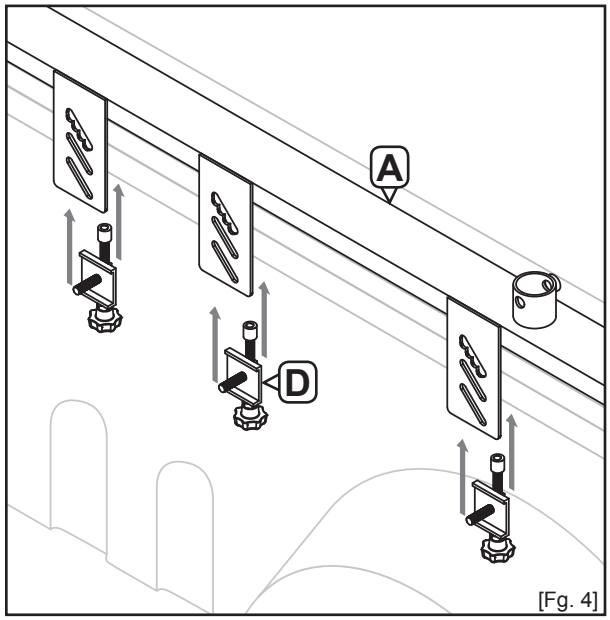
NOTE: Be sure the “Stop Plate” on the Rear Cab Bar **[B]** is positioned so it sits in between the cab and the bed of the truck.



[Fg. 3]

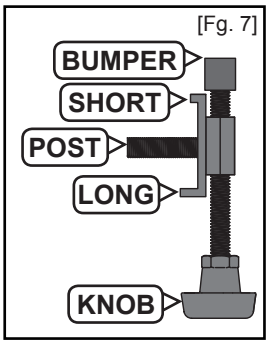
STEP 3: Double Bolt Assembly

Install the threaded ***post*** of one (1) Double Bolt Assembly **[D]** into each slotted plate located on the Bed Side Bar **[A]** using the highest available slot with the handle pointing down. Secure the Double Bolt Assembly using one (1) Ring Nut **[E]**, One (1) 3/8" Split Ring Washer **[G]** and one (1) 3/8" Washer **[F]** on each threaded post. [Fg. 4]



[Fg. 4]

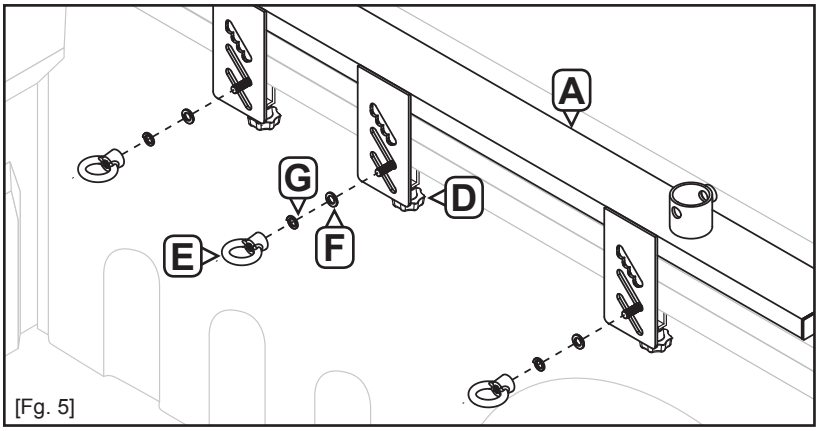
Moving back and forth between the plastic knob located on the Double Bolt Assembly **[D]** and the Ring Nut **[E]**, evenly tighten both points until the rubber bumper at the end of the handle comes in tight contact with the pickup bed sill overhang **AND** the Ring Nut is fully tightened against the slotted plates. [Fg. 5 & 6]



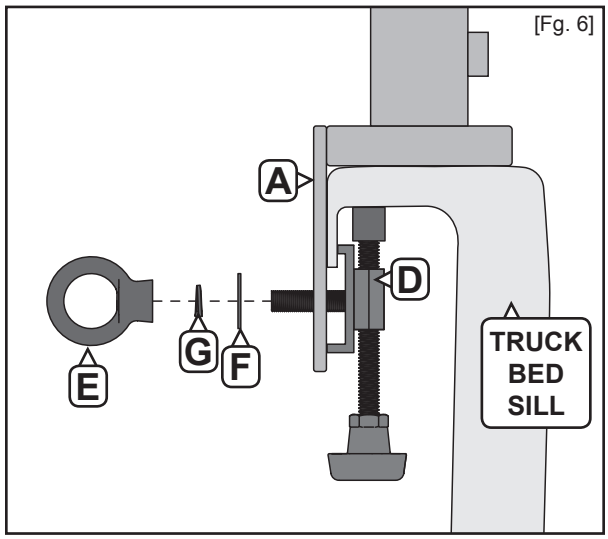
[Fg. 7]

NOTE: The plate on the Double Bolt Assembly **[D]** is offset with the short end of the plate facing up and the long end of the plate facing down. [Fg. 7]

NOTE: The Double Bolt Assembly **[D]** provides both vertical and horizontal pressure to fully secure the carrier to the truck bed. If the Double Bolt Assembly is not fully secured or seems loose in either direction (horizontal/vertical) further adjustment/tightening is needed.



[Fg. 5]



[Fg. 6]

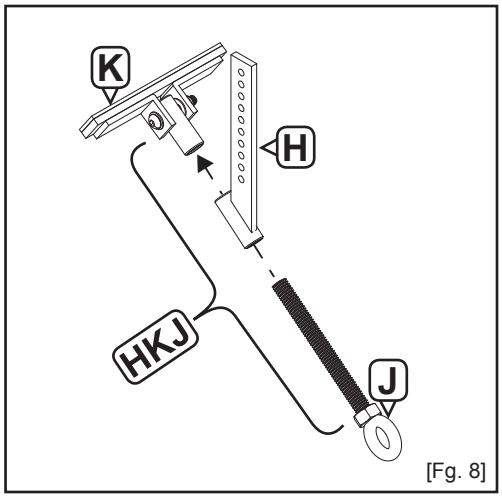
STEP 4: Cab Support Assembly

Thread the one Adjustment Bolt **[J]** through the Cab Support Bracket **[H]** and then into the Cab Support Foot **[K]** as shown. [Fg. 8]

Complete this step for both Cab Support assemblies.

IMPORTANT: The Adjustment Ring **[J]** must be inserted through the side of the Cab Support Bracket that is angled down **[H]**.

NOTE: For the remainder of this Manual this combination of parts will be referred to as the Cab Support Assembly **[HKJ].**



[Fg. 8]

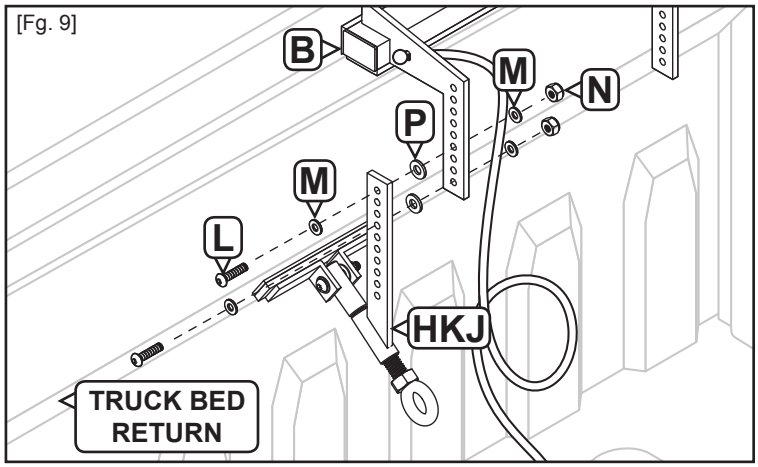
STEP 5: Cab Support Assembly Cont.

Place a Cab Support Assembly **[HKJ]** along side the vertical brackets located on the Rear Cab Bar **[B]** so that both Cab Support Foot **[K]** is pressed against the **underside of the return located on the pickup bed wall** (adjustment of the Adjustment Bolt may be needed).

NOTE: Many holes are available so that Cab Support Assembly **[HKJ]** can be adjusted up or down along the wall as needed. Two aligned holes is all that is necessary.

For each Cab Support Assembly **[HKJ]**, connect the assembly to the brackets located on the Rear Cab Bar **[B]** using two (2) 1/4" Bolts **[L]**, Four (4) 1/4" Washers **[M]**, one (1) 5/16" Washer **[P]** one (1) 1/4" Nut **[N]** each. [Fg. 9]

[Fg. 9]



NOTE: Bolts **[L]** should be placed so that one bolt goes through the top hole of the Cab Support Assembly and the other hole goes through the bottom hole of the bracket located on the Rear Cab Bar.

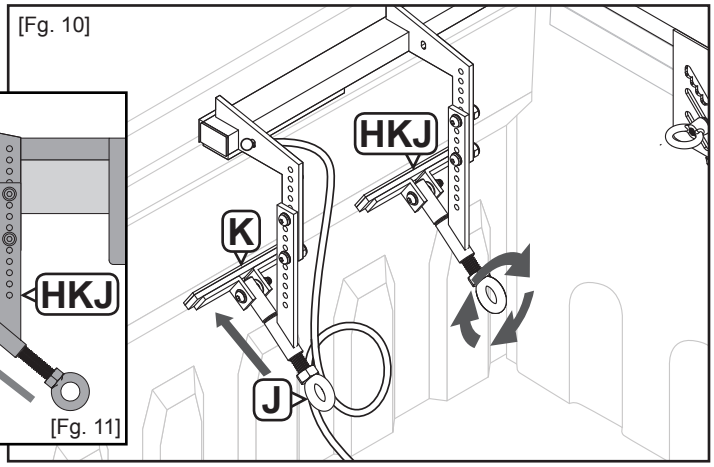
NOTE: The 5/16" Washer **[P]** must be placed in between the Rear Cab Bar **[B]** bracket and the Cab Support Assembly **[H, K, J]** as shown.

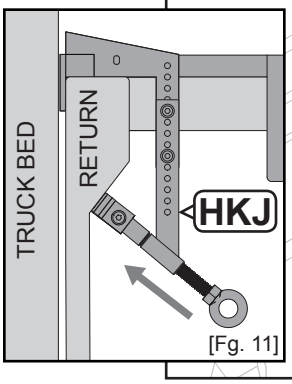
STEP 6: Adjustment

Tighten and adjust the Cab Support Assembly **[HKJ]** using the Adjustment Bolt **[J]** until Cab Support Foot **[K]** is tightly pressed against pickup bed return. [Fg. 10 & 11]

Some adjustment of the Double Bolt Assembly's **[D]** from Step 3 or the Cab Support Assembly **[HKJ]** bolt connection from Step 5 in order to properly tighten the Cab Support Foot **[K]** against the pickup bed return.

[Fg. 10]





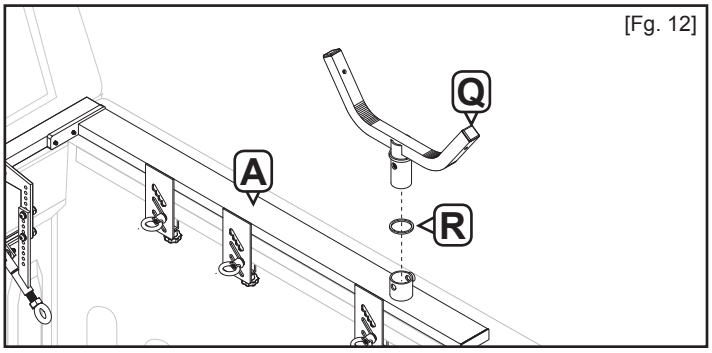
[Fg. 11]

STEP 7: Stem Installation

Slide the Spin Ring **[R]** onto the Stem **[Q].**

Then slide the Stem **[Q]** into the Socket located on the Bed Side Bar **[A]** aligning the threading on the Stem with the holes on the Socket. [Fg. 12]

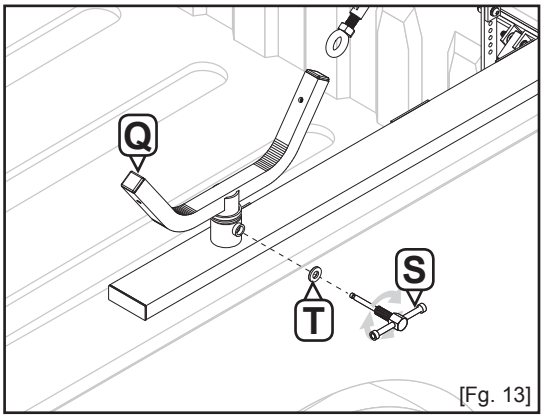
[Fg. 12]



STEP 8: Spin Pin

Using one (1) 1/2” Washer **[T]**, thread the Spin Pin **[S]** through the Stem **[Q]** Socket and tighten until the Stem is fully secure. [Fg. 13]

NOTE: The Spin Pin **[S]** must always be inserted through the side of the Socket where the bushing protrudes outwards.



[Fg. 13]

STEP 9: Wing Assembly

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

Turn the handles on each Cradle Housing **[Y]** to loosen their grip.

Slide two (2) Cradle Housings **[Y]** above the foam bumpers and two (2) Cradle Housings **[Y]** below the foam bumpers.

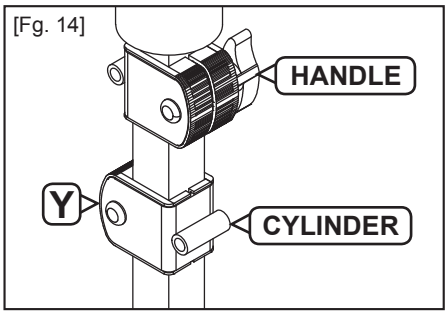
NOTE: The Cylinders located on each Cradle Housing **[Y] MUST** rest along the same sides as the connection hole located atthe bottom of the Wing **[X]**. [Fg. 14]

NOTE: Position the Cylinders located on each Cradle Housing **[Z]** so that they alternate direction as shown.

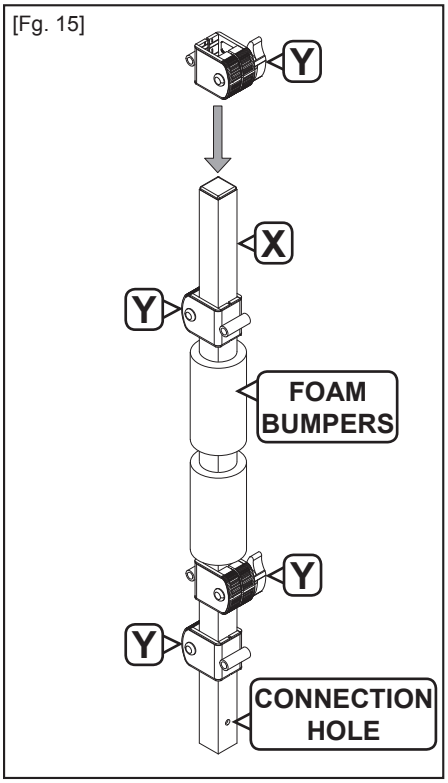
Re-tighten each Cradle Housing **[Y]** handle to secure in place on the Wing **[X]**. [Fg. 15]

Repeat this step for the second Wing **[X]**.

[Fg. 14]



[Fg. 15]

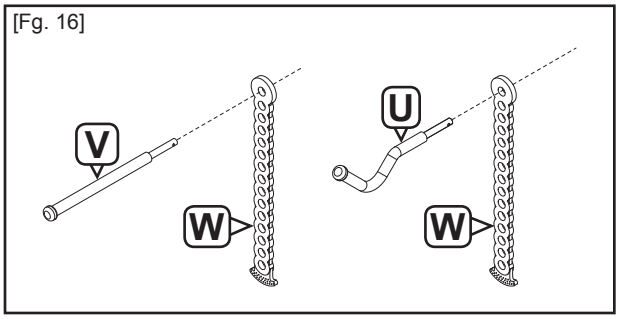


STEP 10: Wing Assembly Cont.

Slide the round end of one (1) Rubber Strap **[W]** onto each Upper Wheel Cradle **[U]** and Lower Cradle **[V]**. [Fg. 16]

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

[Fg. 16]

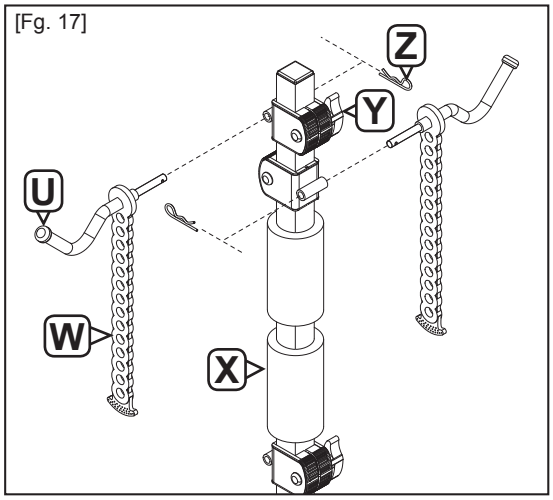


STEP 11: Wing Assembly Cont.

Insert two (2) Upper Wheel Cradles **[U]** with Rubber Straps **[W]** facing in opposite directions into the two (2) Cradle Housing **[Y]** installed ***above*** the foam bumpers on each Wing **[X]** as shown. [Fg. 17]

Secure each Upper Wheel Cradle **[U]** with a Retainer Clip **[Z]**.

[Fg. 17]

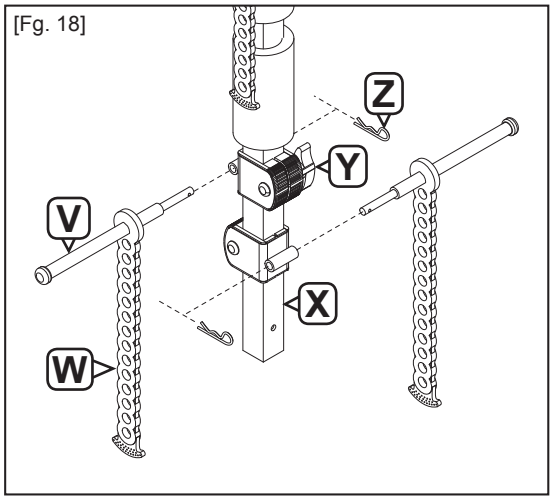


STEP 12: Wing Assembly Cont.

Insert two (2) Lower Wheel Cradles **[V]** with Rubber Straps **[W]** facing in opposite directions into the two (2) Cradle Housing **[Y]** installed **below** the foam bumpers on each Wing **[X]**.

Secure each Lower Wheel Cradle **[V]** with a Retainer Clip **[Z]**. [Fg. 18]

[Fg. 18]

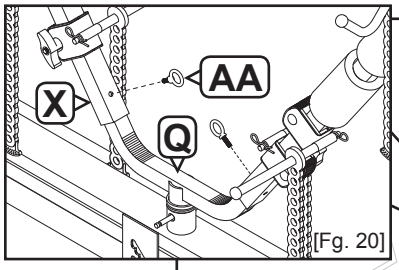


STEP 13: Wing Installation

Slide both Wings **[X]** onto the Stem **[Q]** aligning the holes at the bottom of the Wing with holes on the Stem.

Thread one (1) Ring Pin **[AA]** into the holes located on each Wing **[X]** securing the Wings to the Stem **[Q]**. [Fg. 19 & 20]

NOTE: The Ring Pin **[AA]** **MUST** always be threaded through the hole in the Wing **[X]** from above/inside the Stem **[Q]** as shown.



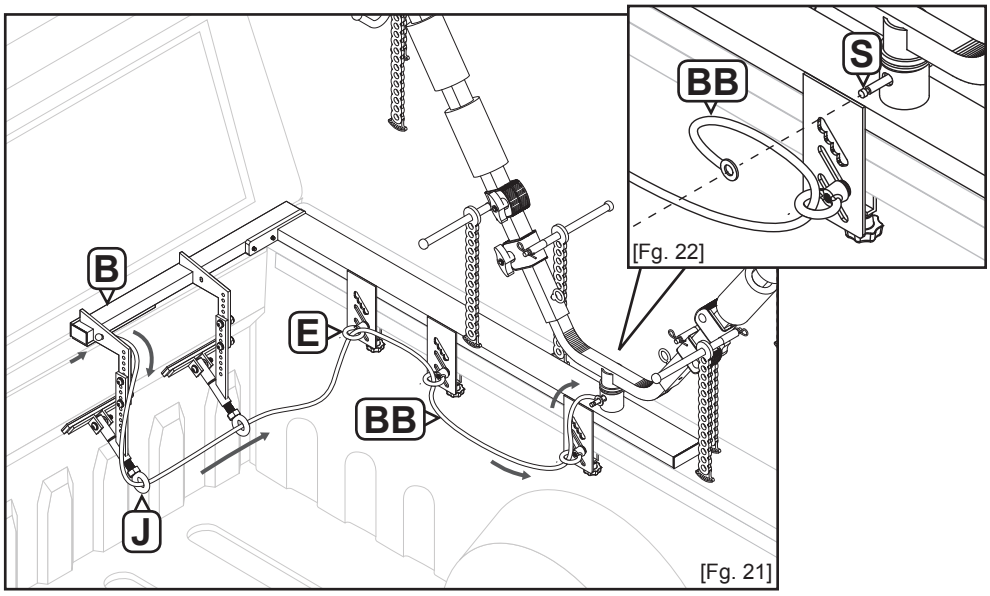
[Fg. 20]

[Fg. 19]

STEP 14: Lock Rack to the Vehicle with 60” Cable

Using the 60in Cable (with Ball Stop) **[BB]** pre-installed into the Rear Cab Bar **[B]**, thread the 60in Cable **[BB]** through each Adjustment Bolt **[J]** and through each Ring Nut **[E]** along the carrier. [Fg. 21 & 22]

Slide the small loop over the Spin Pin **[S]** post that is threaded through the Stem **[Q]**.



[Fg. 22]

[Fg. 21]

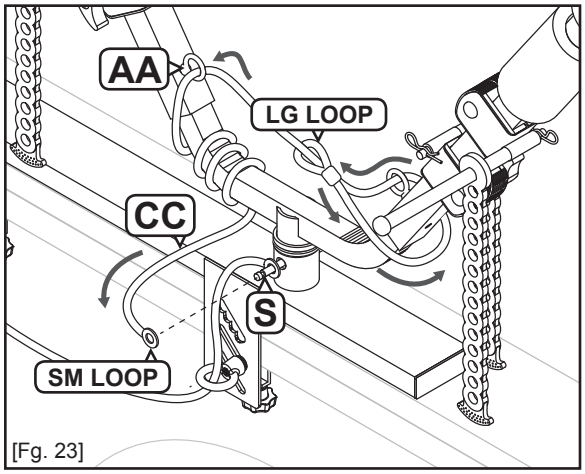
STEP 15: Lock Wings to the Rack with 72” Cable

Using the 72in Cable (with Large Loop) **[CC]**, slide the small (SM) loop through one Ring Pin **[AA]** that secures the Wing to the Stem **[Q]**.

Slide the small loop through the large (LG) loop on the 72in Cable **[CC]** to create a closed loop.

Continue using the small loop end of the 72in Cable **[CC]** to secure the carrier by sliding the small loop end through the second Ring Pin **[AA]** and then finish by securing the small loop over the Spin Pin **[S]** post that is threaded through the Stem **[Q]**. [Fg. 23]

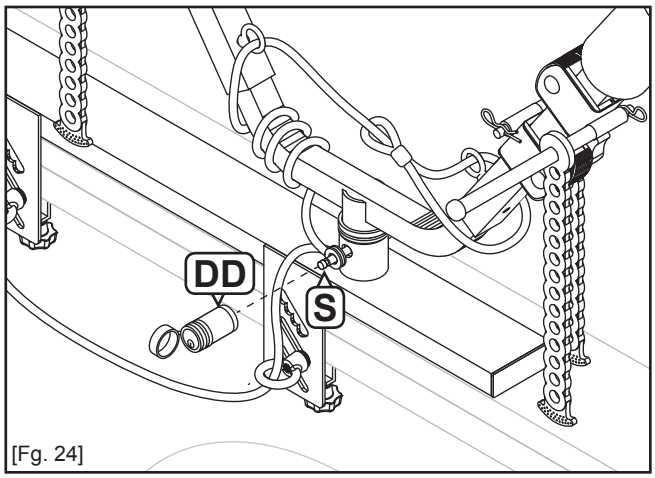
NOTE: The 72in Cable **[CC]** is designed to lock bicycles to the carrier. When no bicycles are mounted (like the example currently shown in Fg. 21) it is recommended to wrap excess slack on the cable around the Stem **[Q]** before sliding the small loop end over the Spin Pin **[S]**.



[Fg. 23]

STEP 16: Apply Lock

Install the included Lock **[DD]** over the Spin Pin **[S]** locking both Cables **[CC & DD]** onto the Spin Pin **[S]**. [Fg. 24]

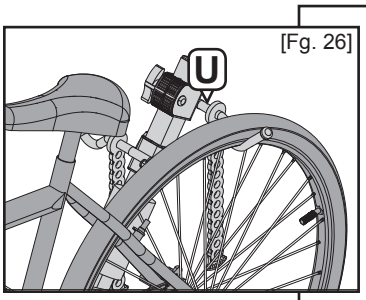


[Fg. 24]

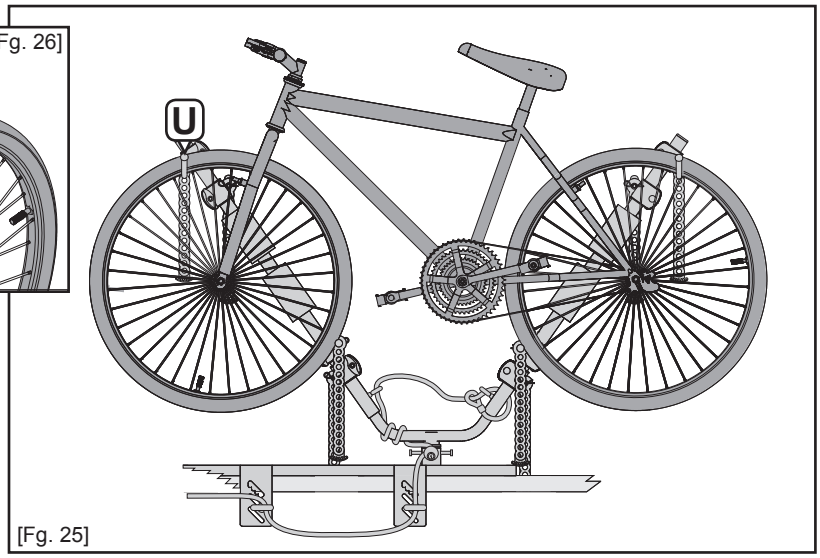
Operation: Bicycle Mounting

Hang bicycles by the tires on the Upper Wheel Cradles **[U]** with the chain rings to the outside. [Fg. 25 & 26]

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



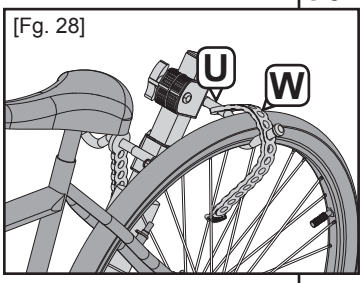
[Fg. 26]



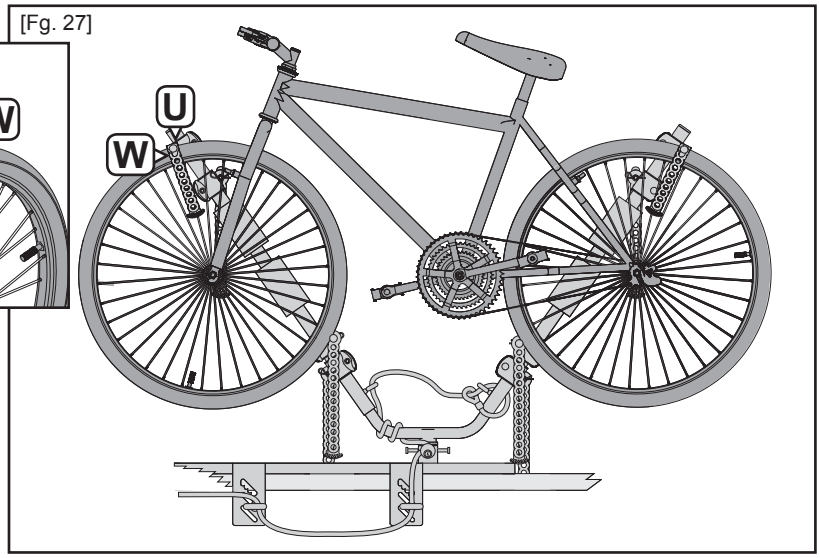
[Fg. 25]

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

Secure by tensioning each Rubber Strap **[W]** over the top of each tire and engaging a strap hole over the end of the Upper Wheel Cradle **[U]** using the tightest hole available. [Fg. 27 & 28]



[Fg. 28]

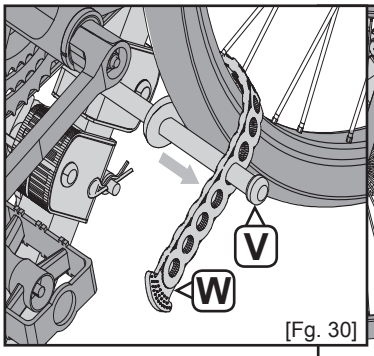


[Fg. 27]

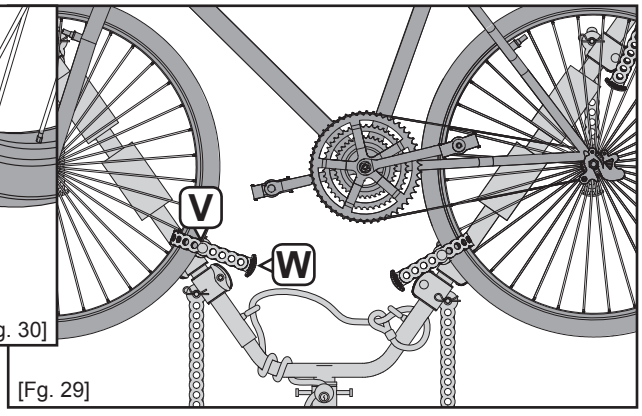
Slide the Lower Wheel Cradle **[V]** to meet the bottom/side of the bicycle tire.

Secure the Lower Wheel Cradle **[V]** using the same technique as the Upper Wheel Cradles. [Fg. 29 & 30]

TIP: Pull the Rubber Straps **[W]** to the outside edge of the Lower Cradle **[V]** to position bicycles wheels so the frame of the bicycle is pulled away from the Wings **[X]** for wheel touch only performance. [Fg. 30]



[Fg. 30]



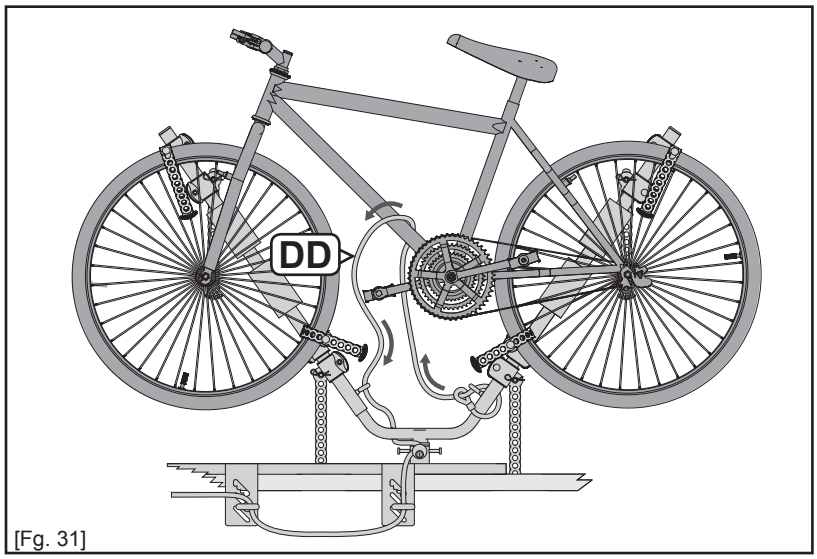
[Fg. 29]

Locking Bicycles

Unlock the Spin Pin **[S]** and remove the 72in Cable **[CC]** from the Spin Pin.

Weave the 72in Cable **[CC]** through the frame of the bicycle.

Re-secure the 72in Cable **[CC]** back onto the Spin Pin **[S]** and re-lock the assembly. [Fg. 31]



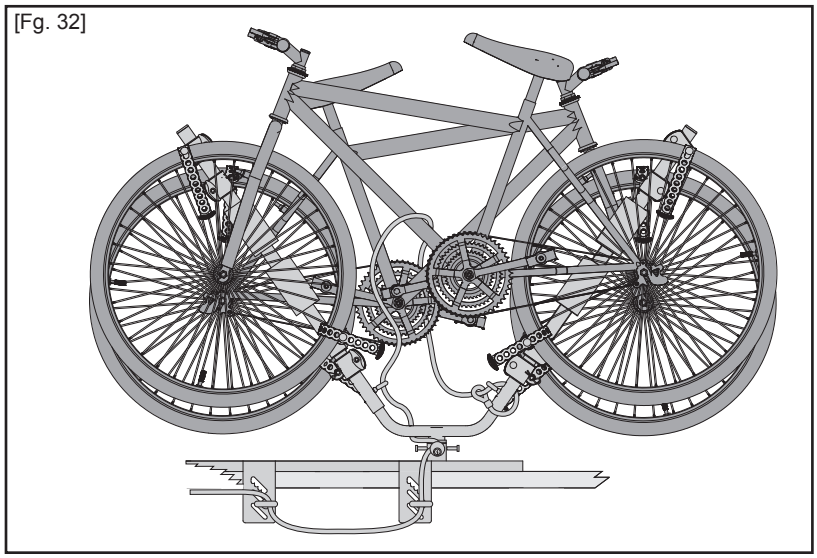
[Fg. 31]

Adjusting Position of Bicycles

To accommodate varying bike sizes, slide the cradle along the wings and re-tighten. [Fg. 32]

TIP: Lower Wheel Cradles **[V]** can be easily reversed while the bicycle is hangs from the Upper Wheel Cradles **[U]** to the opposite side of the their housing for quick adjustability.

[Fg. 32]



SpinWing Rotation

When loading and removing bikes, the SpinWing may be rotated 180° for quick access to both bicycles.

To rotate the SpinWing, unlock the Lock **[DD]** located on the Spin Pin **[S]** and removed both Cable ends **[BB & CC]**. Remove the Spin Pin.

Rotate the Wings 180° and then re-secure the Spin Pin **[S]**, Cables **[BB & CC]** and Lock **[EE]**.

⚠ CAUTION:

Make sure the Spin Pin **[K]** is properly tightened and locked before transit. Make sure the bikes are securely attached to the rack before driving.

⚠ CAUTION:

The maximum load weight is 70 lbs or 35 lbs per bicycle. **DO NOT OVERLOAD.**

⚠ 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.

⚠ WARNING:

Always check and confirm all truck mounting points (three Double Bolt connections & two Cab Support connections) are tight and fully secured 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.

To register your product, visit the LetsGoAero.com/registration

Technical Support
For assistance with this product, please contact us:

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Email: Support@LetsGoAero.com

To learn more about our products and stay informed about useful options for transporting all kinds of gear with your carrier, be sure to visit our website: www.LetsGoAero.com