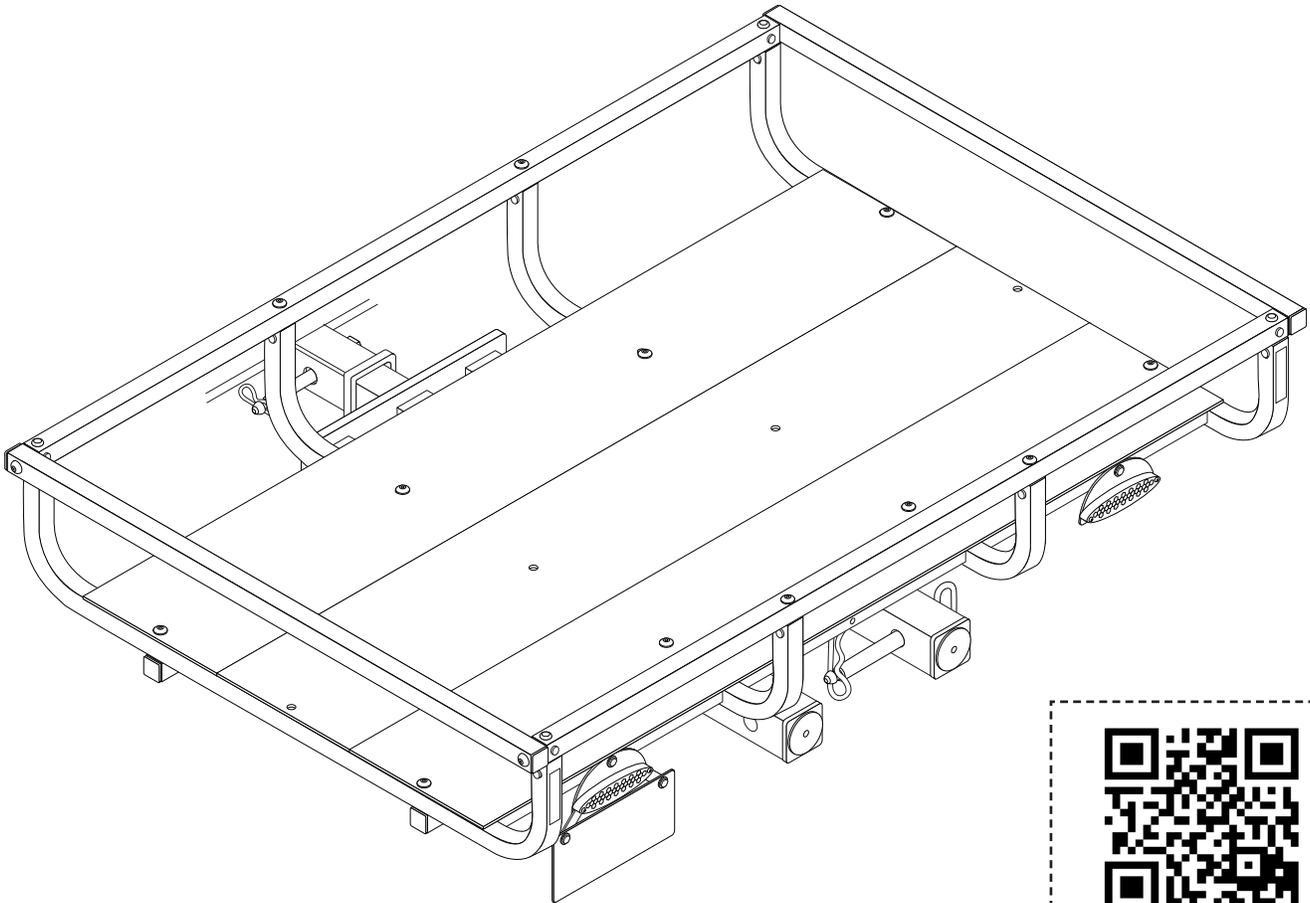


PRODUCT MANUAL

ASSEMBLY, INSTALLATION, AND OPERATION INSTRUCTIONS



WATCH THE ASSEMBLY VIDEO
[YOUTUBE.COM/LETSGOAEROTV](https://www.youtube.com/letsgoaerotv)

Installation & Safe Use Operation Highlights

Fits 2" size receiver hitches.

Rated for 300 lbs of cargo payload.

Class II minimum tow rating required; Class III recommended.

For More Information & Accessories, Visit our Website - www.LetsGoAero.com
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Email: SUPPORT@LETSGOAERO.COM

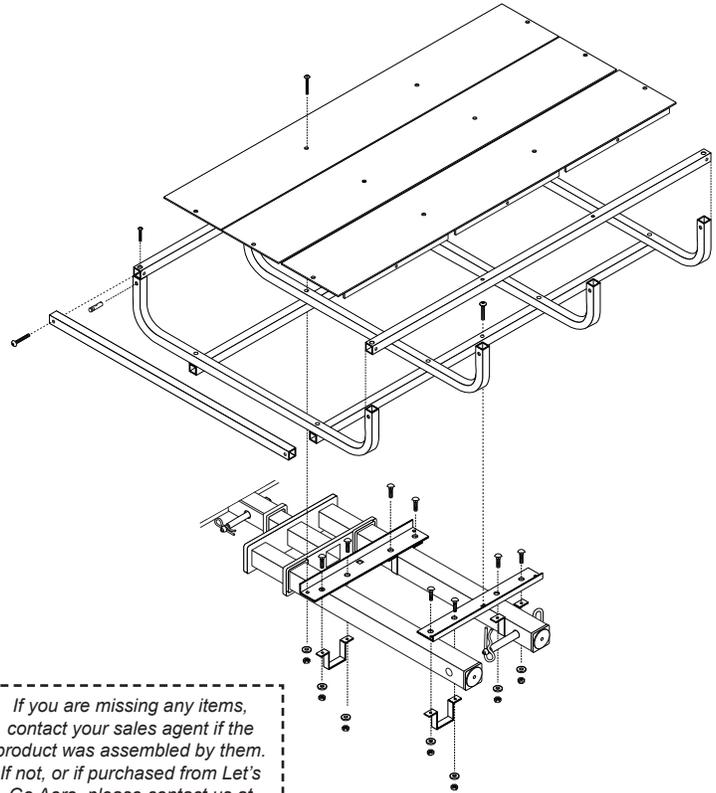
PARTS LIST

QTY. DESCRIPTION

- A** 1 FLATPIPE™ SPINE
- B** 2 RETAINER CLIP
- C** 1 SILENT HITCH PIN
- D** 1 HAND-TIGHTEN SILENT HITCH PIN
- E** 1 5/8 LOCK WASHER
- F** 1 5/8 FLAT WASHER
- G** 1 5/8 PLASTIC WASHER
- H** 2 SPRING NUT
- J** 1 WAX
- K** 2 RUBBER BUMPER
- L** 2 SLIDE TUBE
- M** 2 FRAME ANGLE
- N** 4 HAT BRACKET
- P** 8 M8 CARRIAGE BOLT
- Q** 18 M8 CARRIAGE WASHER
- R** 18 M8 LOCK NUT
- S** 1 SAFETY CABLE
- T** 2 REFLECTOR CAPS
- U** 4 U-TUBE
- V** 3 FLOOR PANEL
- W** 2 SIDE RAIL
- X** 2 END RAIL
- Y** 8 8MM X 70MM BUTTON HEAD BOLT
- Z** 8 6MM X 50MM BUTTON HEAD BOLT
- AA** 6 6MM X 20MM BUTTON HEAD BOLT
- BB** 12 6MM WASHER
- CC** 6 6MM NYLOCK NUT
- DD** 4 6MM X 30MM BUTTON HEAD BOLT
- EE** 12 PIN NUT
- FF** 8 END CAP
- GG** 2 FRAME BAR
- HH** 4 PLUG
- JJ** 2 8MM X 50MM BUTTON HEAD BOLT
- KK** 2 LED LIGHT
- LL** 1 WIRE HARNESS
- MM** 2 LED LICENSE PLATE BRACKET
- NN** 2 LED MOUNT BRACKET
- PP** 2 HEX BOLT
- QQ** 2 HEX NUT
- RR** 2 HEX WASHER
- SS** 2 REFLECTOR STRIP
- TT** 2 #10 K-LATH TEK SCREW
- RR** 2 SELF TAPPING SCREW

Tools Needed:

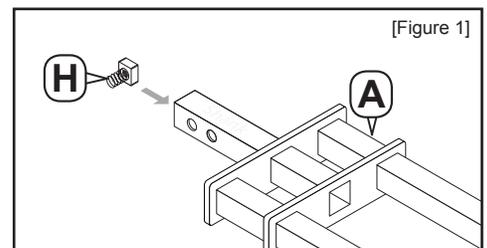
- | | |
|-------------------------|----------------------------|
| 9/16" Wrench or Socket | Phillips Head Screw Driver |
| 7/16" Wrench and Socket | 5/32" Hex Key |
| 7/8" Wrench or Socket | 3/16" Hex Key |
| 1/2" Wrench or Socket | 7mm Wrench |



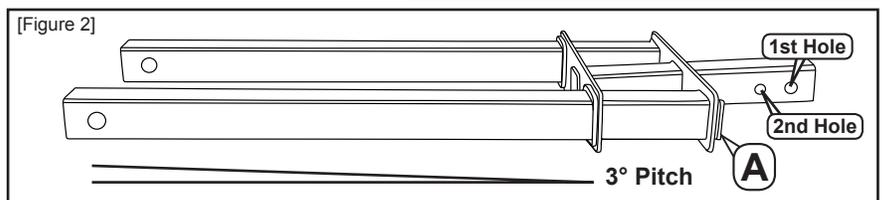
If you are missing any items, contact your sales agent if the product was assembled by them. If not, or if purchased from Let's Go Aero, please contact us at 1-877-GO-4-AERO (464-2376).

STEP 1

Compress one Spring Nut [H] within the FlatPipe Spine [A] end as shown. The Spring Nut may be installed between either the first or the second mounting hole (user choice) [Figure 1].



NOTE: The FlatPipe Spine [A] end (called the "Shank") contains two (2) mounting holes. The ideal hole for use is the second hole in from the end of the shank. If the shank bottoms out inside the receiver hitch, or if you need to maximize clearance, use the first hole in from the end [Figure 2].

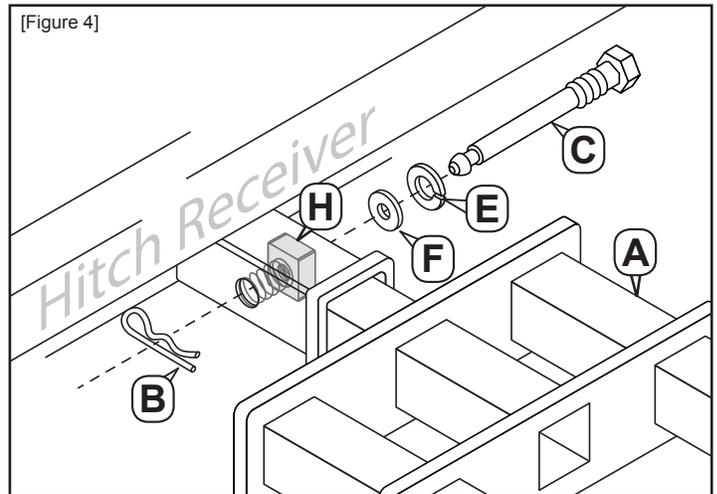
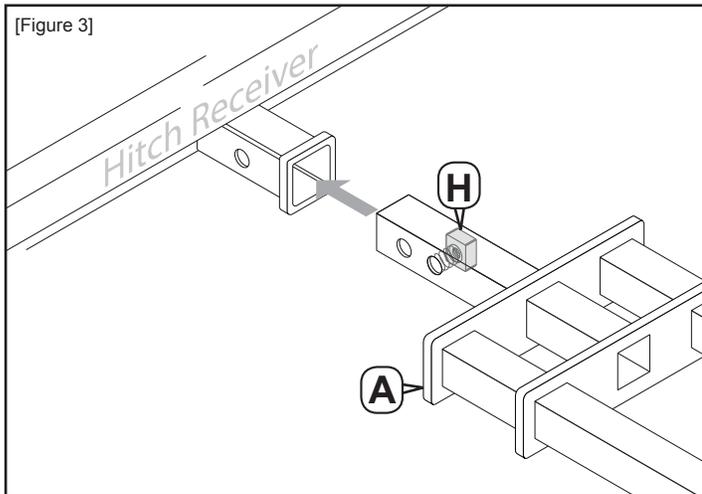


NOTE: For proper carrier balance, there is a 3° pitch on the FlatPipe Spine [A]. Be sure when installing that your FlatPipe Spine is right side up [Figure 2].

STEP 2 TOOLS: 7/8" SOCKET WRENCH

Slide the shank end of the FlatPipe Spine [A] into the receiver hitch [Figure 3]. Secure the Spine with the Silent Hitch Pin [C], one (1) 5/8 Lock Washer [E], and one (1) 5/8 Flat Washer [F] by threading the Silent Hitch Pin into the Spring Nut [H] [Figure 4].

NOTE: The 5/8 Lock Washer [E] should be located closest to the hex head end of the Silent Hitch Pin [C]. Tighten the Silent Hitch Pin until the Lock Washer becomes fully compressed. Attach the Retainer Clip [B] to the end of the Pin.



⚠ WARNING:

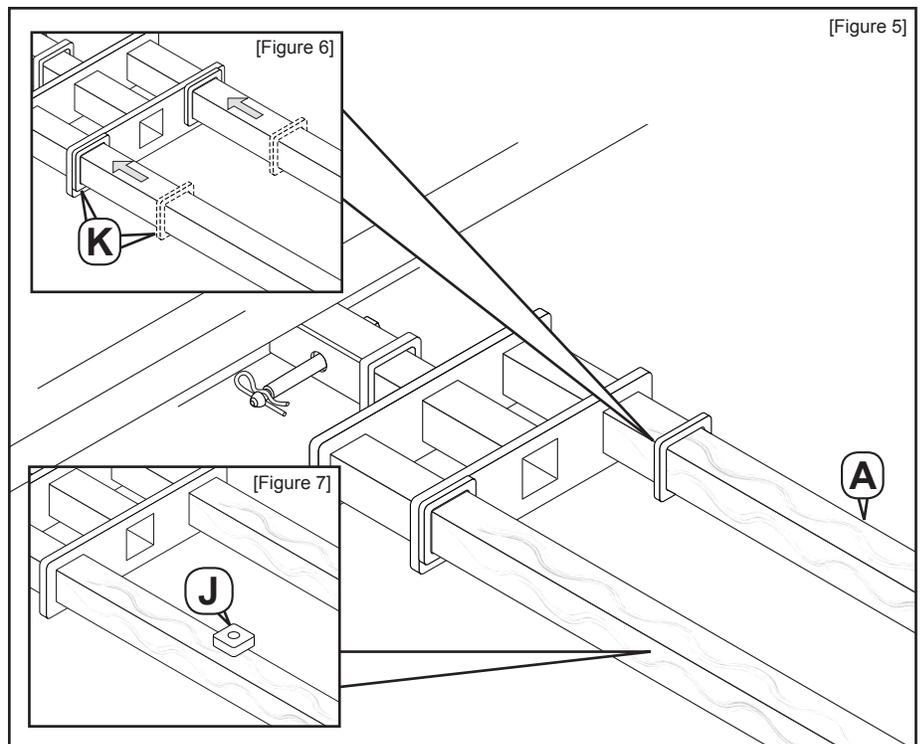
Never operate the vehicle without the Silent Hitch Pin fully secured with a 7/8" wrench. Failure to do so may result in bodily injury and property damage. Always check to be sure the Silent Hitch Pin is snug before transit.

STEP 3

Slide one (1) Rubber Bumper [K] onto each Flat Pipe Spine [A] tube. Push the Rubber Bumpers along the tubes until they sit flush against the frame of the FlatPipe Spine [Figure 5 & 6].

Using the provided water-proof Wax Block [J], rub along all four sides of each Spine tube to completely "coat" the Spine tubes [Figure 5 & 7].

NOTE: The paraffin Wax [J] will remain in place and clean, however, the Wax may wear off over time depending on use. It is recommended to save your Wax Block in a safe place for future use.

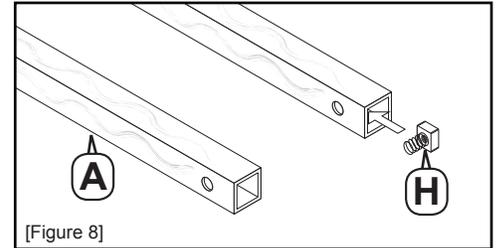


STEP 4

Insert the remaining Spring Nut [H] into either open end (user choice) of the FlatPipe Spine [A] tubes.

Align the Spring Nut [H] threading with the hole at the end of the FlatPipe Spine tube in the same manor as STEP 1 [Figure 8].

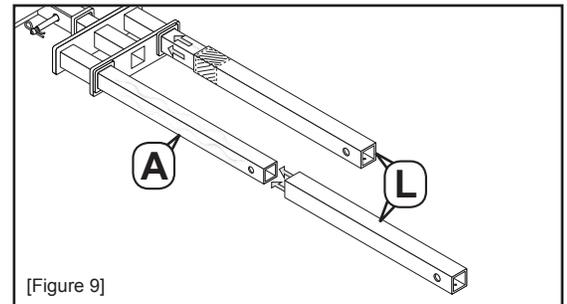
NOTE: Placement of the Spring Nut [H] is left to user discretion. The user may place the Spring Nut in either side of the FlatPipe Spine tubes [A].



STEP 5

Install Slide Tubes [L] over the waxed Flat Pipe [A] tubes [Figure 9].

NOTE: The holes of both Slide Tubes [L] should align with the holes on the FlatPipe Spine [A] tubes. The tubes should be oriented so that the small holes at the end of the tubes are on the bottom [Figure 9].

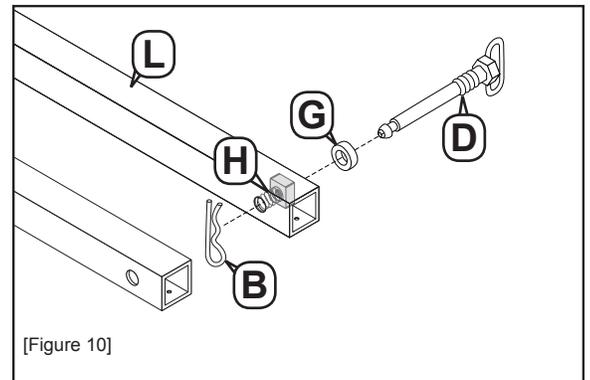


STEP 6

Slide the 5/8 Plastic Washer [G] onto the Hand-Tighten Silent Hitch Pin [D].

In the same manor as Step 2, insert and thread the Hand-Tighten Silent Hitch Pin [D] with the Plastic Washer [G] through the Flat Pipe [A], Slide Tubes [L] and internal Spring Nut [H] [Figure 10]. Secure with Retainer Clip [B].

NOTE: The Hand-Tighten Silent Hitch Pin [D] controls the slide out function of the GearCage Carrier. Once installation is complete, the Hand-Tighten Silent Hitch Pin may be removed and the carrier can be slide rearward for rear hatch/door access.

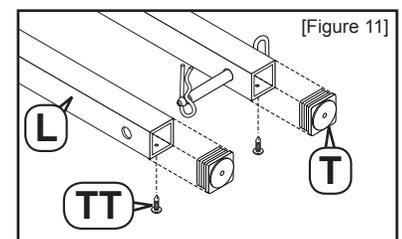


⚠ WARNING:

Never operate vehicle without the Hand-Tighten Silent Hitch Pin [D] sufficiently tighten to prevent the carrier from sliding while in transit. Failure to do so may result in bodily injury and property damage.

STEP 7

Press both Reflector Caps [T] to the open ends of the Slide Tubes [L] and secure with one (1) #10 K-Lath Tek Screw each. [Figure 11].



STEP 8 TOOLS: 1/2" WRENCH

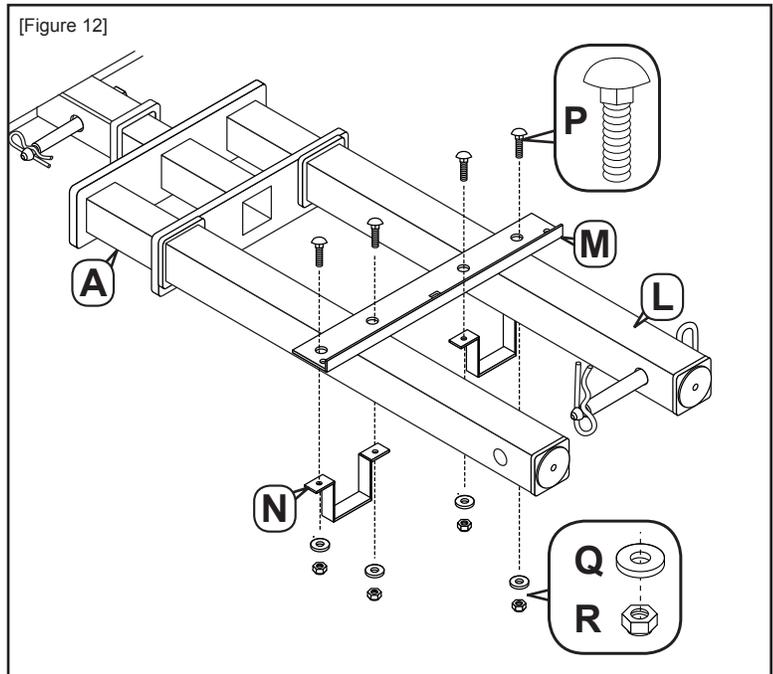
Set one Frame Angle [M] on top of the Slide Tubes [L].

NOTE: Be sure that this Frame Angles' [M] shorter end *faces away from the vehicle as shown*.

Bring one (1) Hat Bracket [N] up from underneath each Slide Tube [L] to connect to the Frame Angle [M],

Using two (2) M8 Carriage Bolts [P], two (2) M8 Carriage Washers [Q], and two (2) M8 Lock Nuts [R] connect each Hat Bracket [N] to the Frame Angle [M] as shown [Figure 12].

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



STEP 9 TOOLS: 1/2" WRENCH

Set the remaining Frame Angle [M] onto of Slide Tubes [L] as shown.

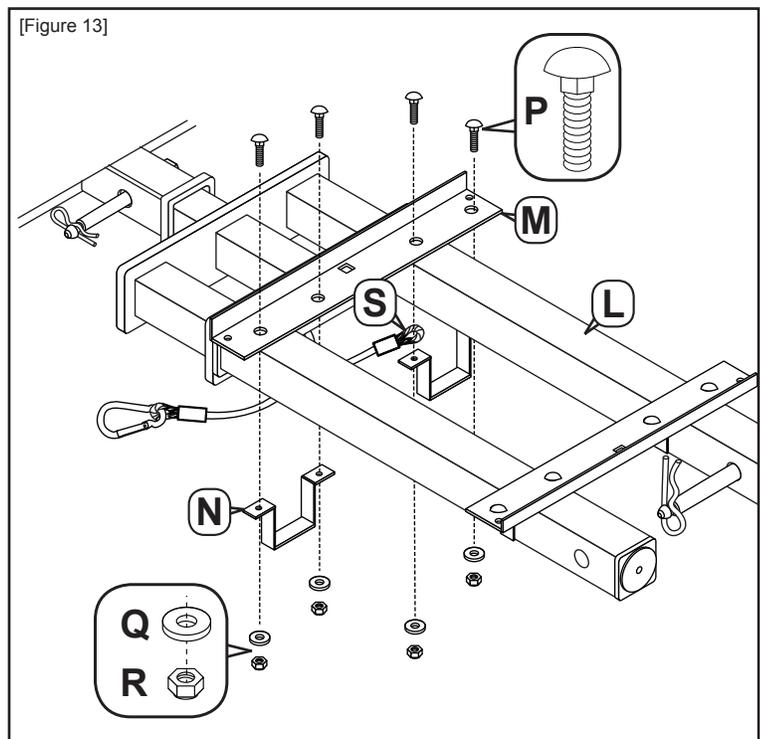
This Frame Angle [M] is positioned closer to the vehicle than the Frame Angle from the last step.

NOTE: This Frame Angle [M] is "mirrored" and positioned with the shorter end facing towards the vehicle as shown.

In the same manor as Step 8, attach one (1) Hat Bracket [N] to each Slide Tube [L] using two (2) M8 Carriage Bolts [P], two (2) M8 Carriage Washers [Q], and two (2) M8 Lock Nuts [R] on each side, adding the "looped end" of the Safety Cable [S] between the Hat Bracket and Frame Angle [M] on one side only [Figure 13].

NOTE: The Safety Cable must be placed on the interior of the Slide Tube [L] assembly as shown.

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



⚠ WARNING:

The Safety Cable prevents the GearCage rack from sliding off the FlatPipe Spine when telescoped. The rack may be slid out when parked for vehicle hatch access only. Never move the vehicle while the carrier is slid out. Failure to engage the Safety Cable and follow product guidelines may result in bodily injury and property damage.

STEP 10 TOOLS: 1/2" WRENCH & 3/16 HEX KEY

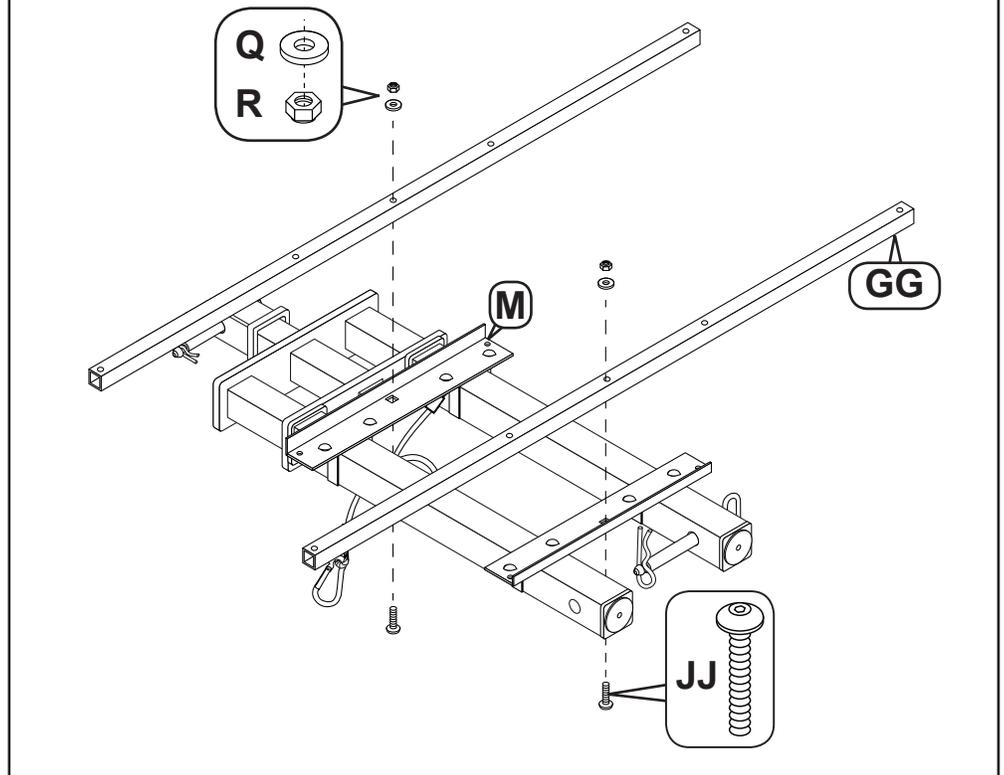
Lay one (1) Frame Bar [GG] on each newly installed Frame Angle [M].

NOTE: Frame Bars [GG] have mounting holes on *only two sides* and are **NOT** interchangeable with the Side Rails [W] to be used in STEP 14.

Using the center mounting holes, attach the Frame Bars [GG] to the Frame Angles [M] using two (2) 8mm x 50mm Button Head Bolt [JJ], two (2) M8 Washers [Q], and two (2) M8 Lock Nuts [R] as shown [Figure 14].

Fully secured these connections.

[Figure 14]



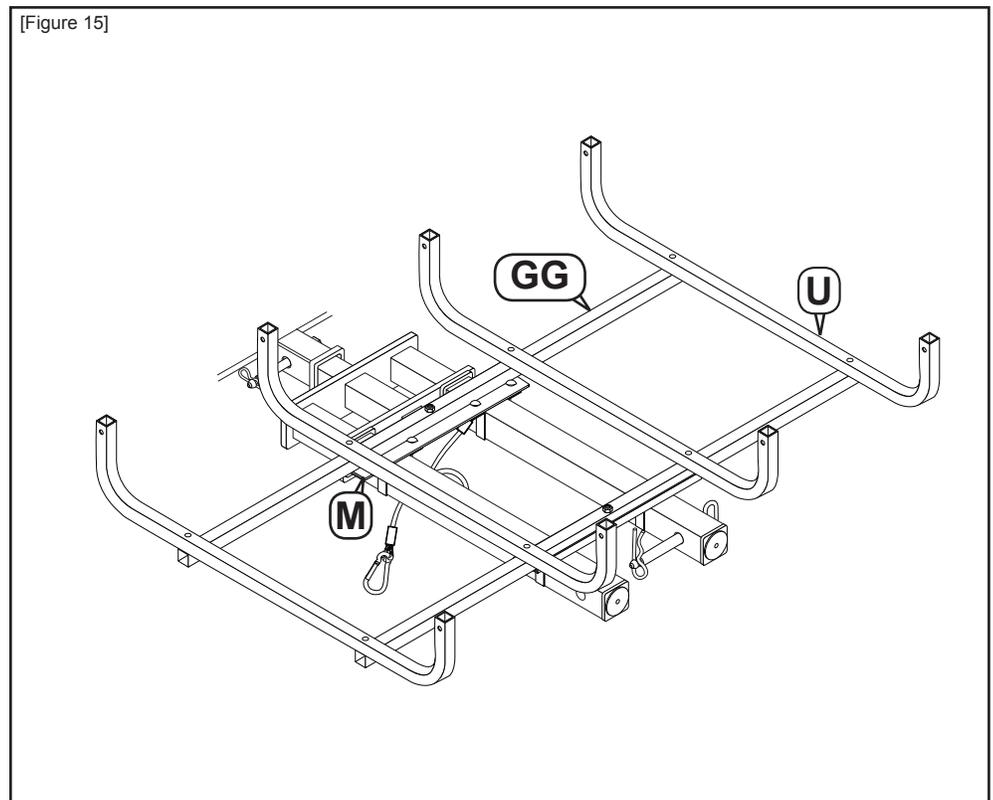
STEP 11

Adjust the distance between the Frame Angles [M] so they are approximately 18in apart.

Lay the four (4) U-Tubes [U] on top of the Frame Bars [GG] [Figure 15].

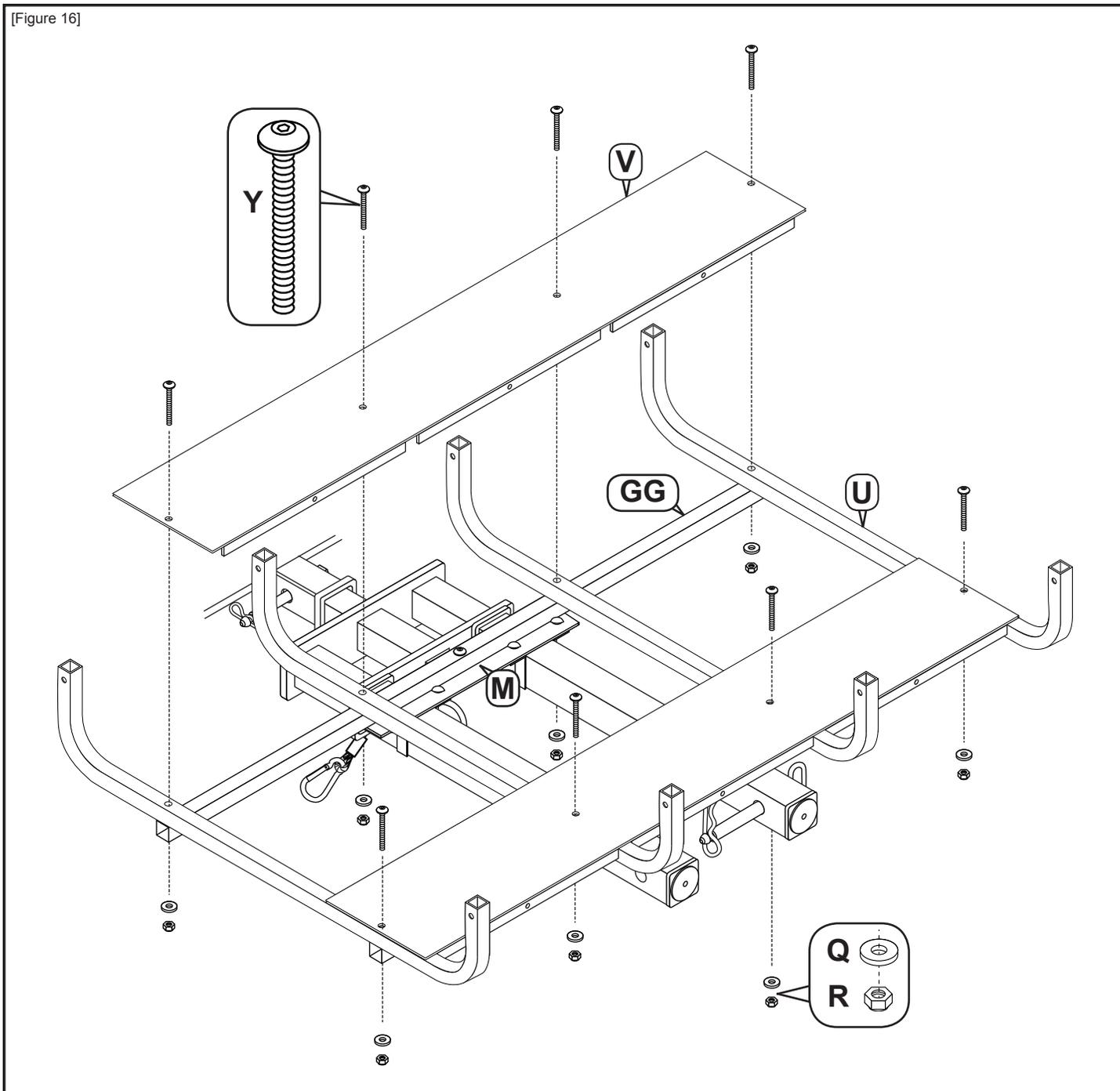
The holes in the Frame Bars [GG] should line-up and match with the holes in the bottom of the U-Tube [U].

[Figure 15]



STEP 12 TOOLS: 1/2" WRENCH & 3/16 HEX KEY

[Figure 16]



Lay two (2) Floor Panels [V] over the U-Tubes [U].

NOTE: The third/center Floor Panel [V] is not attached in the same manor as the two (2) Floor Panels in this step and should not applied at this time.

NOTE: The holes in the Floor Panels [V], U-Tubes [U], Frame Bars [GG] and Frame Angles [M] must align.

Connect the Floor Panels [V], U-Tubes [U] and Frame Bars [GG] eight (8) using 8mm x 70mm Button Head Bolt [Y], eight (8) M8 Carriage Washers [Q], and eight (8) M8 Lock Nuts [R] [Figure 16].

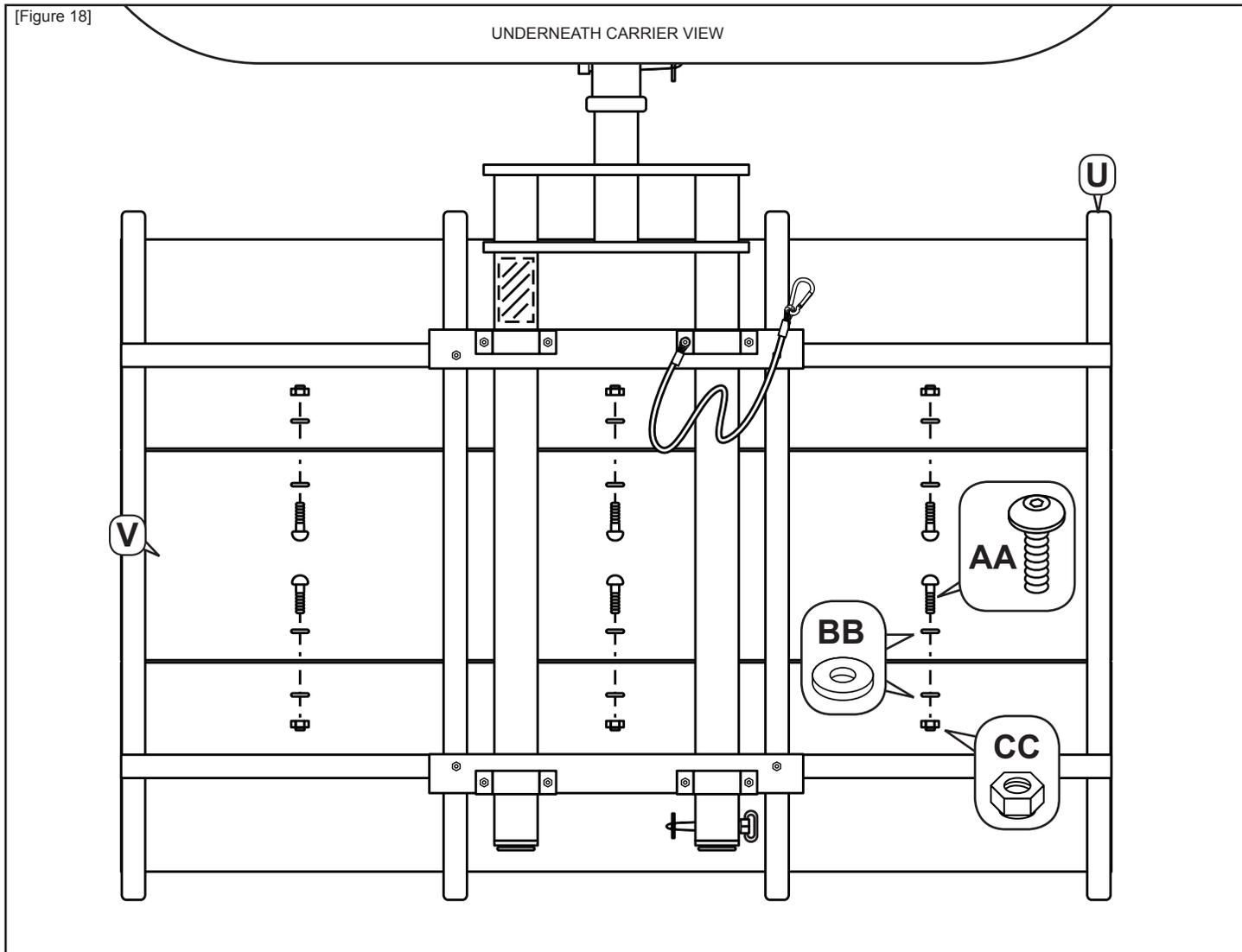
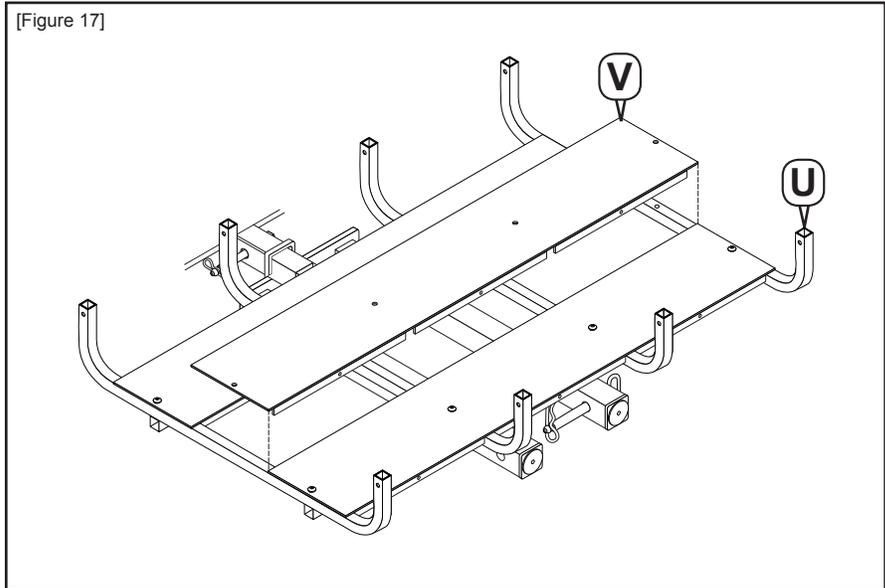
Fully secured these connections.

STEP 13 TOOLS: 7/16" WRENCH & 5/32 HEX KEY

Lay the final Floor Panel [V] in the center of the carrier on top of the U-Tubes [U] [Figure 17].

From the underside of the carrier, secure the center Floor Panel [V] to the Floor Panels from Step 12 using six (6) 6mm x 20mm Button Head Bolts [AA], twelve (12) 6mm Washers [BB], and six (6) 6mm Nylock Nuts [CC] [Figure 18].

Fully secured these connections.



STEP 14 TOOLS: 5/32 HEX KEY

Using the middle two (2) U-Tubes [U] only, insert one (1) Pin Nut [EE] through each hole at the top of the U-Tubes. [Figure 19]

NOTE: The “slot end” illustrates the Pin Nuts’ [EE] internal thread direction.

NOTE: The “notched end” of the Pin Nut should lock into the edge of the U-Tube hole as shown [Figure 20].

Place the Side Rails [W] on top of the U-Tubes [U] with the **LARGER** holes at the end of rails face up.

Secure the Side Rails [W] to the U-Tubes [U] by passing two (2) 6mm x 50mm Button Head Bolts [Z] through the Side Rails, threading the Bolts into the Pin Nuts [EE]. [Figure 21]

Hand tighten only at this time.

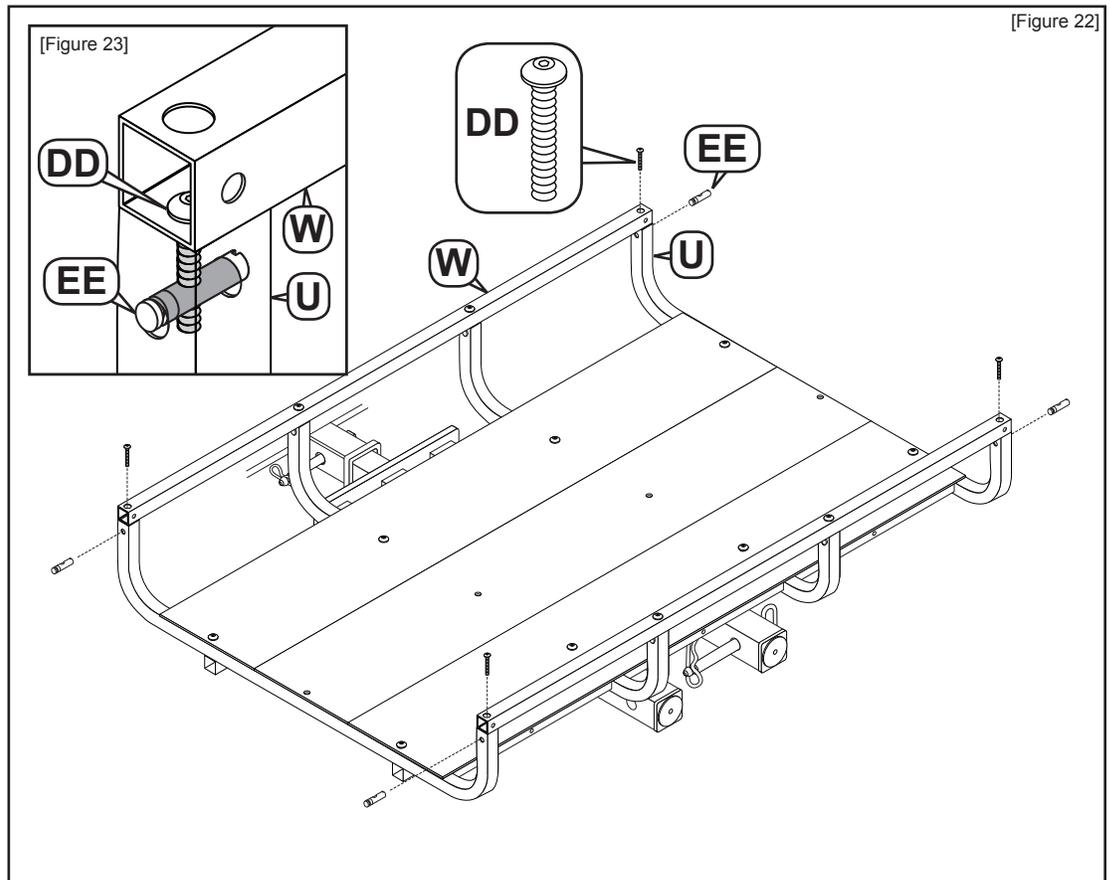
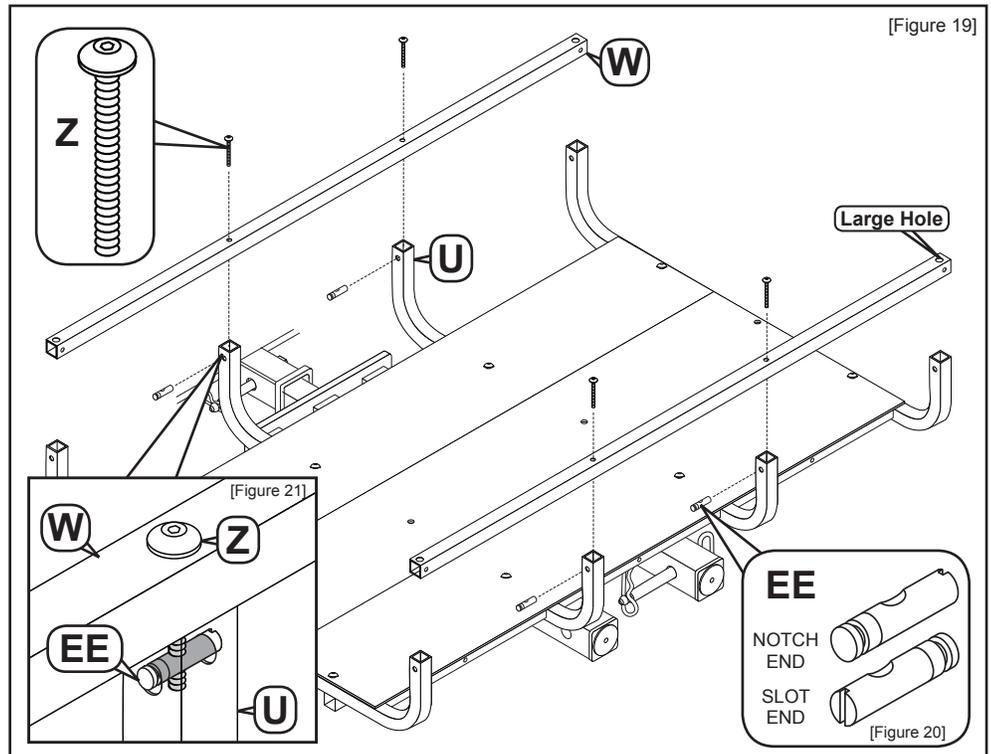
STEP 15

Insert one (1) Pin Nut [EE] into each of the four (4) remaining mounting locations at the tops of the outer U-Tubes [U] in the same manor as Step 14. [Figure 22]

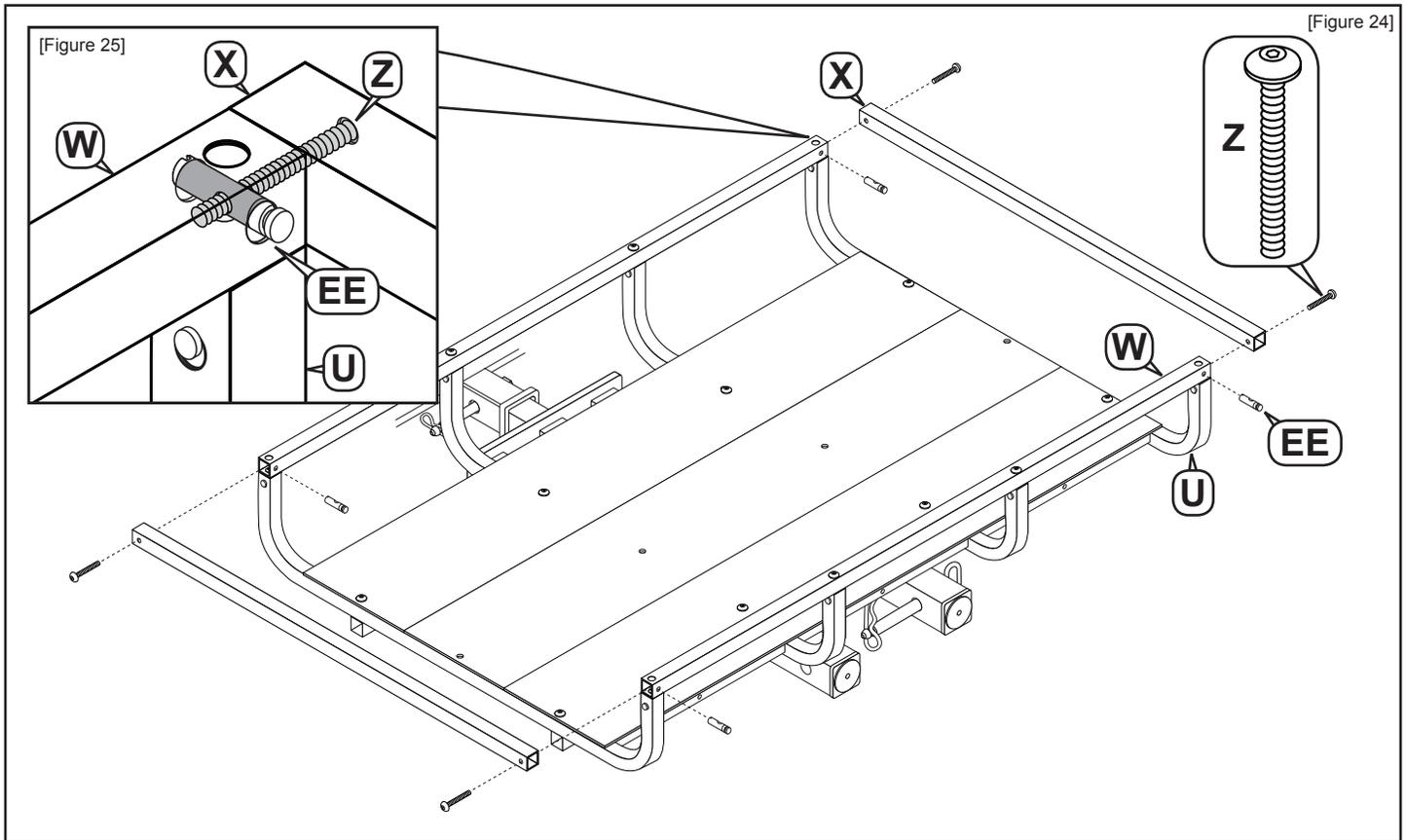
Drop one (1) 6mm x 30mm Button Head Bolt [DD] in to each end of the Side Rails [W] and U-Tubes [U] threading into the Pin Nut [EE] on the interior of the U-Tubes.

NOTE: The “Button Head” of the 6mm x 30mm Button Head Bolt [DD] passes through larger hole on the top of the Side Rail [W] and rests on the inside of the railing as shown. [Figure 23]

Fully secure all hardware from STEPS 14 and 15.



STEP 16 TOOLS: 5/32 HEX KEY



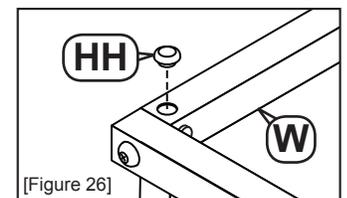
Insert Pin Nuts [EE] into the holes located on the side of the Side Tubes [W] in the same manor as STEPS 14 and 15.

Secure each End Rail [X] to the Side Rails [W] by threading one (1) 6mm x 50mm Button Head Bolt [Z] into each side of the End Rails and throw the Pin Nuts [EE] on the interior of the Side Rails [W] [Figure 24 & 25].

Fully secure these connections.

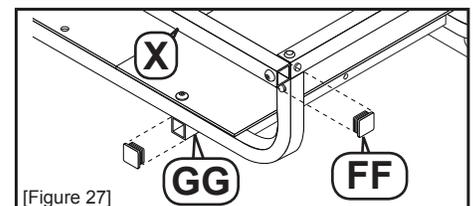
STEP 17

Insert one (1) rubber Plug [HH] into each exposed hole on the tops of the Side Rails [W] as shown (total 4) [Figure 26].



STEP 18

Firmly press one (1) Small End Cap [FF] into each open end of the End Rails [X] and Frame Bars [GG] [Figure 27].



STEP 19

The GearCage cargo carrier enjoys between 6in-12in of installed clearance from the vehicle and between 25in-32in of clearance from the vehicle when slid out.

With the Hat Brackets [N] from STEP 8 & 9 still loosely secured, slide the carrier back and forth along the Slide Tubes [L] to adjust for required vehicle clearances (user discretion).

NOTE: Users wanting *more clearance* between the tow vehicle and carrier should position the Hat Brackets [N] further away from the vehicle on the Slide Tubes [L] [Figure 28].

NOTE: Users wanting *less clearance* between the tow vehicle and carrier should position the Hat Brackets [N] closer to the vehicle on the Slide Tubes [L] [Figure 29].

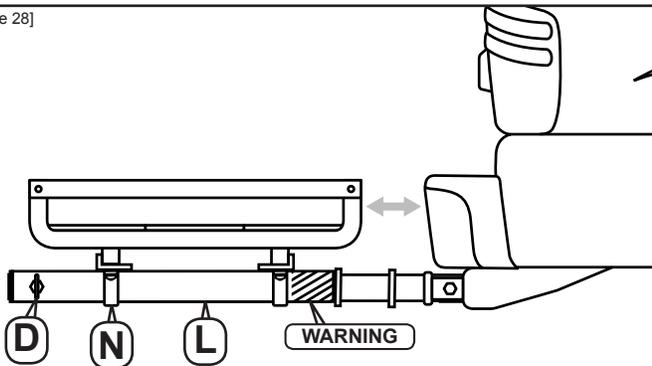
⚠ WARNING:



DO NOT ALLOW HAT BRACKETS TO OVERLAP THE 3.5" WARNING LABEL LOCATED ON THE SLIDE TUBE. Failure to do so will permit overextension of the safety cable allowing the capsule to fall off and cause damage or personal injury.

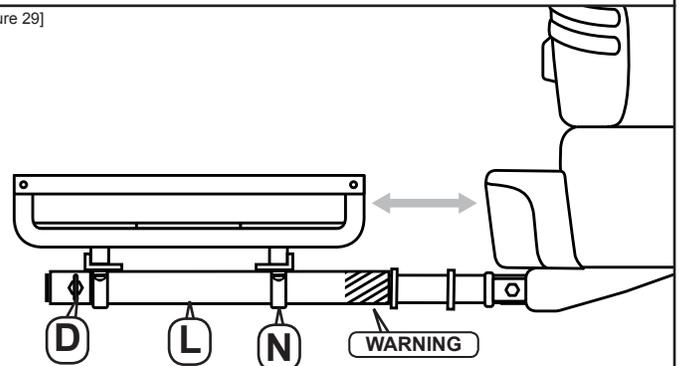
MIN INSTALLED CLEARANCE

[Figure 28]



MAX INSTALLED CLEARANCE

[Figure 29]



Once the final clearance adjustments have made, confirm the aligned Slide Tubes are slid all the way back against the Rubber Bumpers [K] and then fully secure all Hat Brackets [N] and hardware from Steps 8 & 9.

NOTE: Be sure to allow room for the Hand-Tighten Hitch Pin [D] to turn and operate as required.

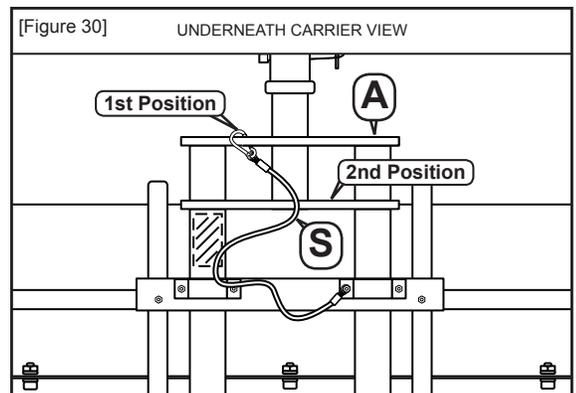
STEP 20

From underneath the carrier, connect the quick-link end of the Safety Cable [S] to the hole in the frame of the Flat Pipe Spine [A] [Figure 30].

NOTE: The Safety Cable [S] can be secured in two (2) positions. Securing the Safety Cable to the 1st Position is ideal; carriers positioned for maximum clearance will need to use the 2nd Safety Cable position.

⚠ WARNING:

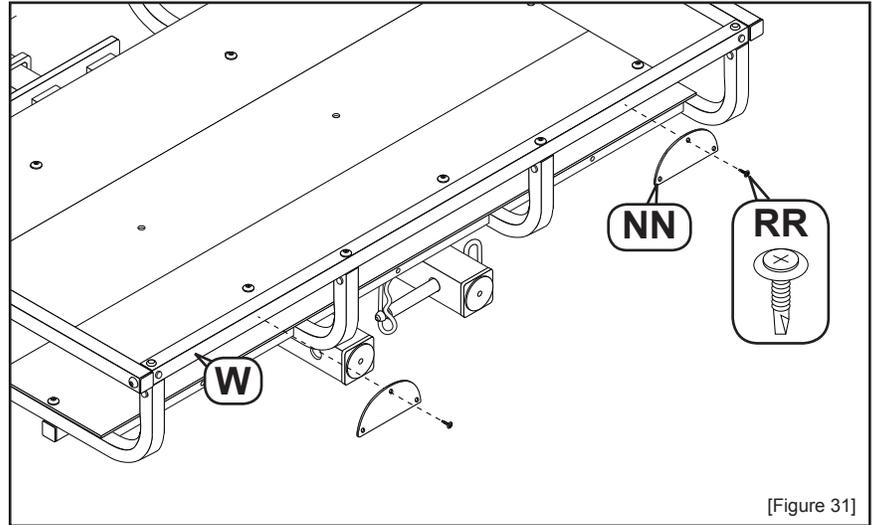
Never operate the carrier's slide out function or the tow vehicle without confirming the Safety Cable fully secured. Failure to follow product guidelines may result in bodily injury and property damage.



STEP 21 TOOLS: TWO (2) 7/16 WRENCH OR SOCKET

Attach two (2) LED Mount Brackets [NN] to the Side Rail [W] on the side of the carrier facing away from the vehicle using two (2) Self Tapping Screws [RR] (one per LED Mount Bracket). [Figure 31].

NOTE: The Self Tapping Screw [RR] should be installed approximately 12in from each end of the Side Rail centered between the U-Tubes [U].



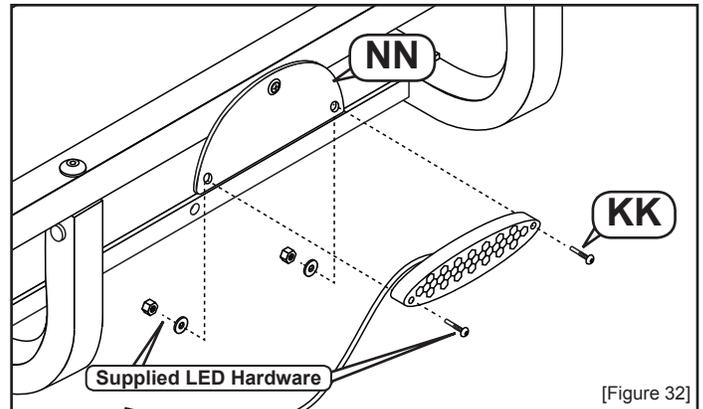
STEP 22 TOOLS: 7MM WRENCH & PHILLIPS HEAD SCREW DRIVER

Remove the Washer and Nut supplied on the back side of one (1) LED Light [KK].

On the passenger side of the vehicle, mount the LED Light [KK] (Green Wire) onto LED Mount Bracket [NN] using the supplied Phillips Screw on the LED Light [Figure 32].

Secure the LED Light [KK] to the LED Mount Bracket [NN] by re-attaching the supplied Washer and Nut onto the back of the LED Lights and LED Mount Bracket.

NOTE: The LED Light [KK] with the Green Wire must be installed on the Passenger side of the Vehicle.

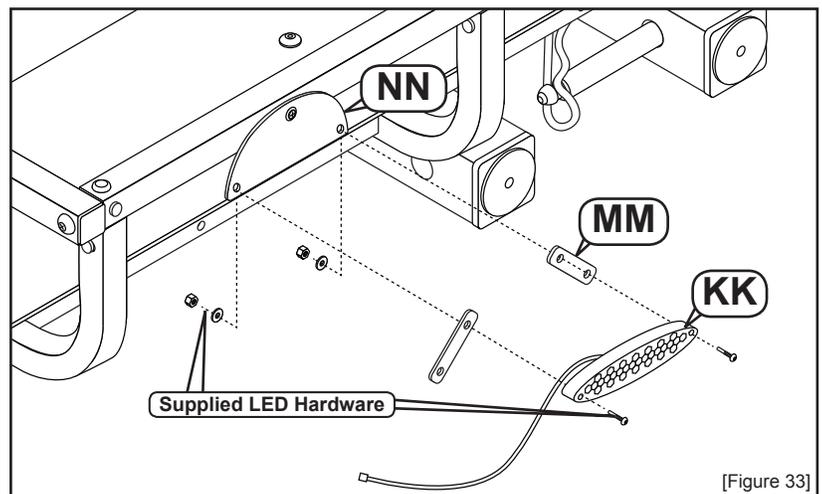


STEP 23 TOOLS: 7MM WRENCH & PHILLIPS HEAD SCREW DRIVER

Remove the Washer and Nut supplied on the back side of the remaining LED Light [KK].

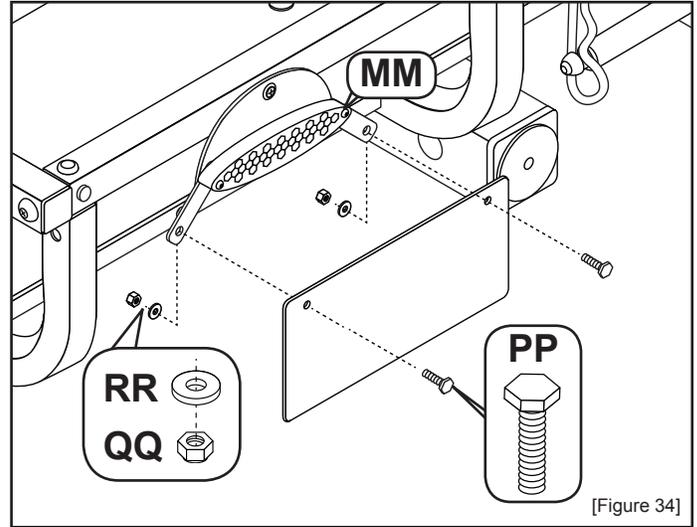
On the drivers side of the vehicle, mount the LED Light [KK] with two License Plate Brackets [MM] on either side of the LED Mount Bracket [NN] using the supplied Phillips Screw on the LED Light.

Secure the LED Light [KK] and License Plate Brackets [MM] to the LED Mount Bracket [NN] by re-attaching the supplied Washer and Nut onto the back of the LED Lights and LED Mount Bracket [Figure 33].



STEP 24 TOOLS: TWO (2) 7/16 WRENCH OR SOCKET

Secure (user supplied) License Plate to the License Plate Brackets **[MM]** using two (2) Hex Bolts **[PP]**, two (2) Hex Washers **[RR]** and two (2) Hex Nuts **[QQ]** [Figure 34].



STEP 25

Connect the Yellow Wire from the LED Lights **[KK]** on the drivers side to the Yellow wire on the LED Wire Harness **[LL]**.

Connect the Green Wire from the LED Lights **[KK]** on the passenger side to the Green wire on the LED Wire Harness **[LL]**.

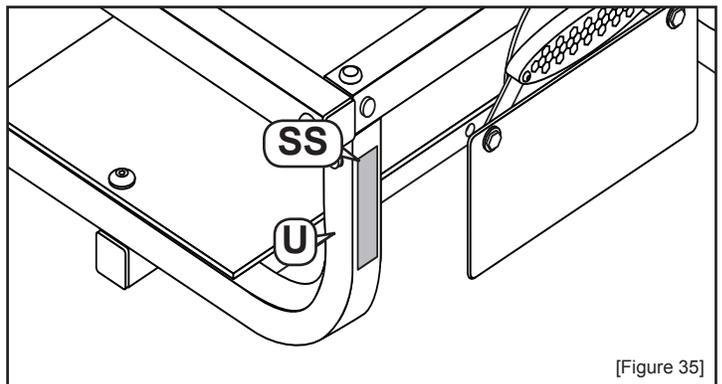
Weave the Wire Harness in a straight path underneath the carrier and connect the Wire Harness 4-Flat connector to the tow vehicles trailer light connections.

⚠ WARNING:

Failure to properly connect the Yellow Wire to the drivers side of the vehicle and the Green Wire to the passenger side of the vehicle will result in mismatched stop/turn lights and improper signaling.

STEP 26

Remove backing and apply Reflector Strips **[SS]** to the outer U-Tubes **[U]** on the rear of the carrier as shown [Figure 35].



SAFE USE OPERATION

Be sure to follow these guidelines to prevent possible hazards from misuse.

Vehicle and Hitch Receiver Compliance

This Cargo Carrier fits 2" size hitch receivers and is rated for a Class II tow capability or higher. Before using this product, consult your vehicle and hitch receiver owner manual(s) for details on your tow and tongue weight parameters. Be sure that they are compatible with GearCage's weight specifications.

Tongue Weight Compliance

The GearCage and its cargo create a combined weight that creates direct downward pressure on the hitch receiver's tongue. This downward pressure is the tongue weight. Tongue weight is one of the two critical weight rating factors of your tow rating's classification. Never exceed your vehicle and hitch receiver's tongue weight specification.

GearCage Weight and Load Parameters

The GearCage FP-6 weighs 95 lbs empty. To determine your available load weight in accordance with your vehicle and hitch receiver's tongue weight rating, subtract GearCage's weight from your identified tongue weight rating. The difference represents your vehicle and hitch receiver's available load weight. The GearCage FP6 is rated for up to 300 lbs of cargo payload weight. Position heaviest cargo in the center of the carrier and lighter cargo to the outside perimeter

About Slide Out & Clearance Adjustment Of Carrier

To telescope the GearCage, remove the Hand Tighten Silent Hitch Pin® from the slide out pin hole. Verify that the Safety Cable is secured and then slide the frame to the rear. For added clearance, refer to STEP 19 and adjust the position of the Hat Brackets along the Slide Tubes. Be sure to adhere to NO USE AREA distance of 3.5 inches rearward from FlatPipe Spine's vertical frame plate along the tubes.

Patent and trademark protected. Patent Numbers 6,609,725; 6,945,550; 8,079,613; D717718; 8,858,141;
Patents Pending

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WARRANTY & REGISTRATION

Lets Go Aero warrants this product to the first consumer to be free from defect in material and workmanship for one year (Please retain your sales slip for your records). Any product or part thereof found to be defective within that period will be replaced without charge provided that: (1) the product was not misused; (2) no alterations or modifications were made; (3) its failure resulted from a defect in material or workmanship and not from normal wear expected in the use of the product; (4) the product or part is delivered, freight prepaid, to Let's Go Aero. Please contact Let's Go Aero, toll free, at 877-464-2376 to get a return authorization number prior to return. Manufacturers only obligation shall be to replace such products or parts proved to be defective.

To register your product, visit the Let's Go Aero website at www.LetsGoAero.com