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# KARGO MASTER®

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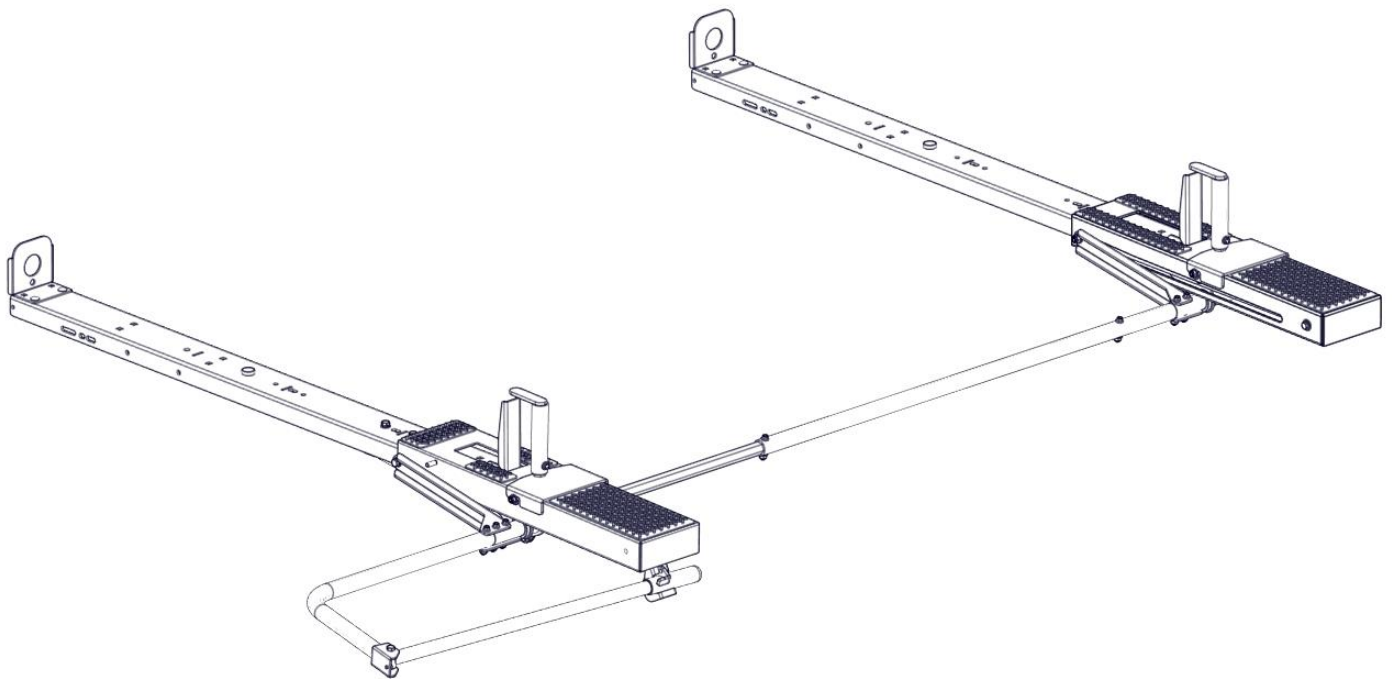
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## Installation Guide

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### 4A92L

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\*PLEASE READ ALL INSTRUCTIONS AND WARNINGS PRIOR TO ASSEMBLING,  
INSTALLING, AND USING THIS PRODUCT\*

## Warning



Always check for wires, fuel tanks and lines, brake lines and other important vehicle functionality items prior to drilling and installing all products.

## Tools Needed

|                         |                         |
|-------------------------|-------------------------|
| 5/16" Wrench and Socket | 3/8" Wrench and Socket  |
| 1/2" Wrench and Socket  | 9/16" Wrench and Socket |
| Tape Measure            |                         |

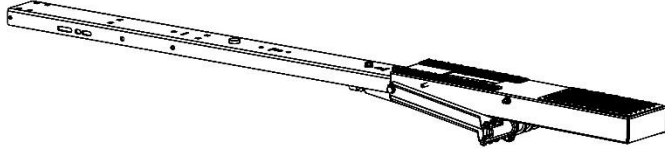
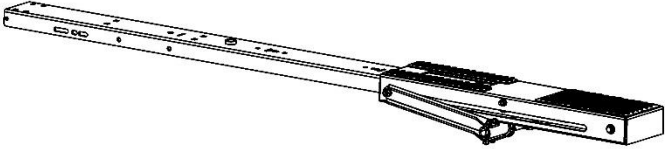
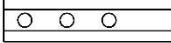
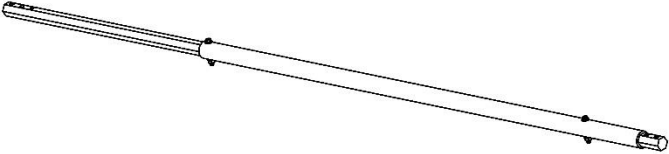
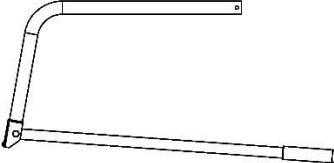

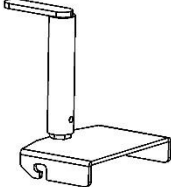

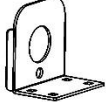
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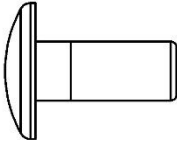

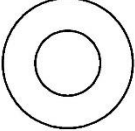
## Before You Begin

- Read all instructions.
- Have mount kit installed on vehicle.
- Front Bow has slot in ladder pan.
- NEVER EXCEED MANUFACTURERS ROOF WEIGHT RATING.

Parts

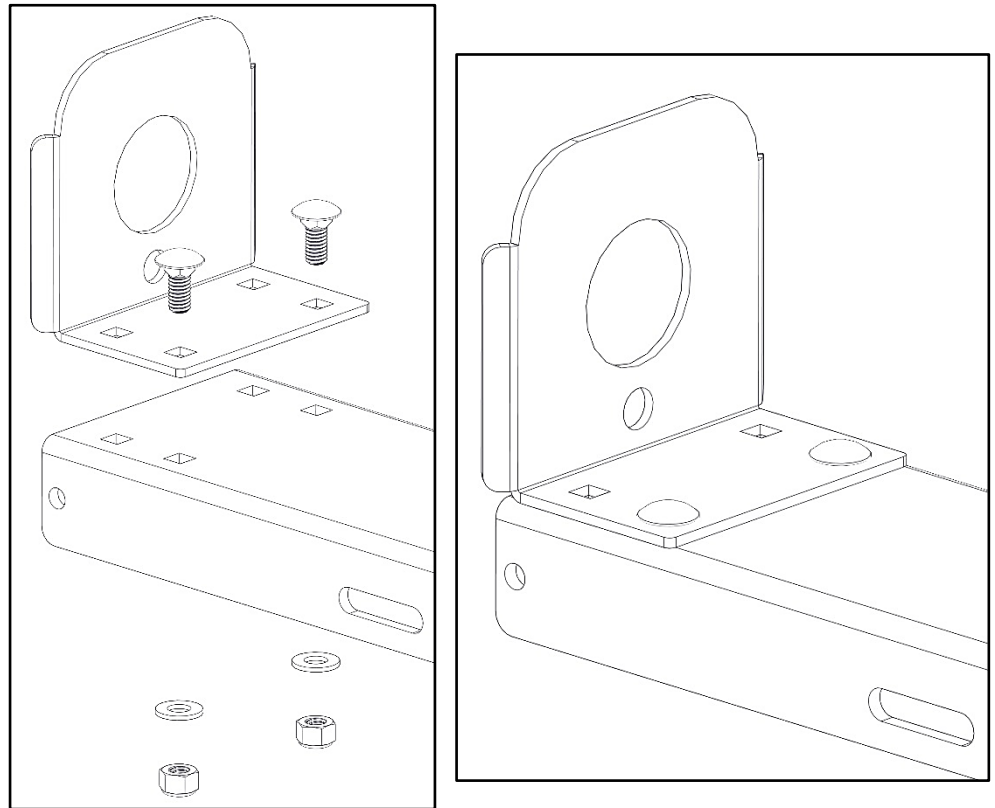
| ITEM NO. |   | DESCRIPTION    | QTY. |
|----------|---|----------------|------|
| A        |    | REAR BOW       | 1    |
| B        |    | FRONT BOW      | 1    |
| C        |    | 3-HOLE HEX     | 1    |
| D        |    | HEX TUBE ASM   | 1    |
| E        |   | HANDLE ASM     | 1    |
| F        |  | LATCH ASM      | 1    |
| G        |  | LADDER HOOK    | 2    |
| H        |  | LADDER STOP    | 2    |
| J        |  | LOAD PLATE     | 2    |
|          |   | HARDWARE-4A92L | 1    |

Hardware

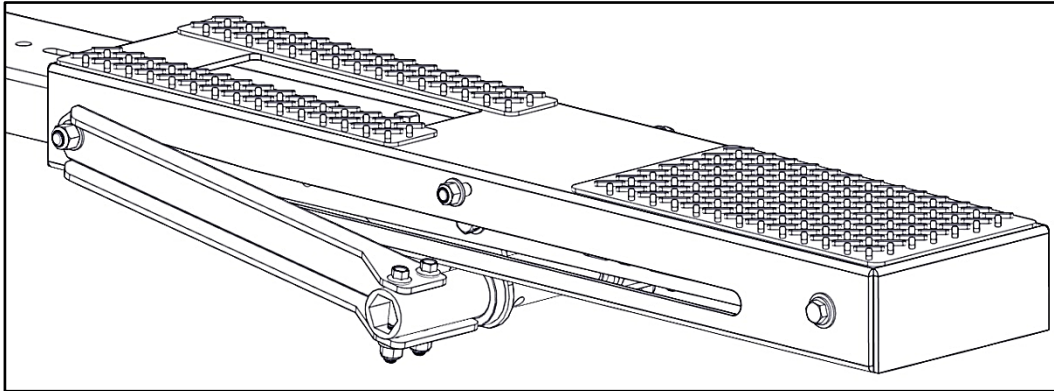
| ITEM NO. | TO SCALE  | DESCRIPTION                   | PART NUMBER | QTY. |
|----------|---|-------------------------------|-------------|------|
| 1        |  | 5/16"-18 x 3/4" Carriage Bolt | 90185A581   | 6    |
| 2        |  | 5/16"-18 Nyloc                | 95615A160   | 6    |
| 3        |  | 5/16" Flat Washer             | 98023A030   | 6    |
|          |   |                               | ANTI-SEEZE  | 1    |

## Step 1 – Load Plates

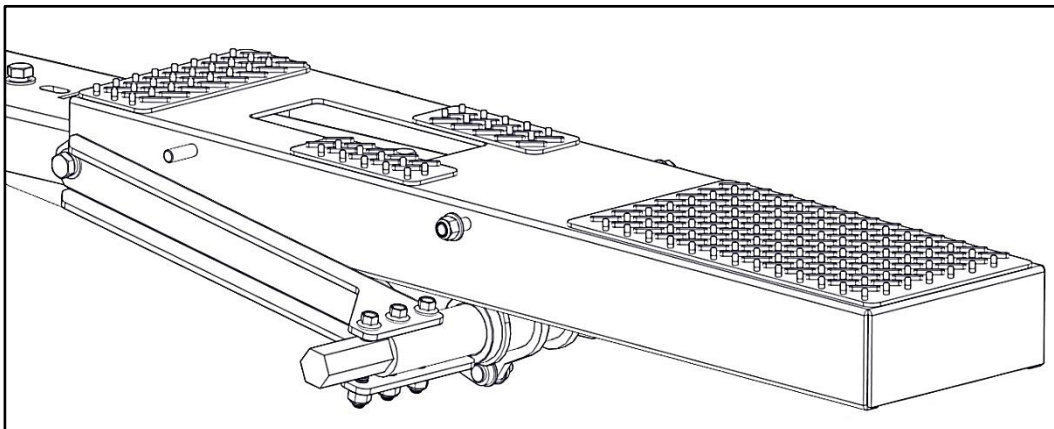
- At the end of each bow, opposite from the pan mechanism, bolt load plates (J) using two 5/16" x 3/4" carriage bolts (1), two 5/16" flat washers (2) and two 5/16" nyloc nuts (3) in the orientation shown.
- If installing 4A963, Skip installing load plates.
- Repeat on both bows.
- Snug Tighten, but allow movement.



- Determine front and rear bow. The front bow will have a slot in the pan.



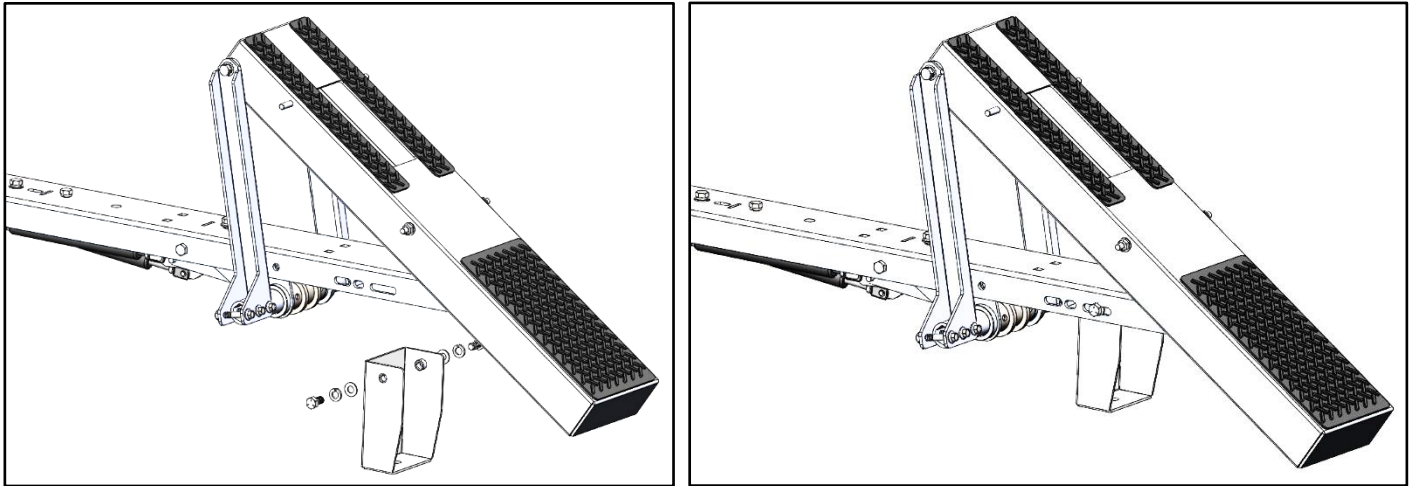
Front Bow



Rear Bow

## Step 2 – Pan Mount

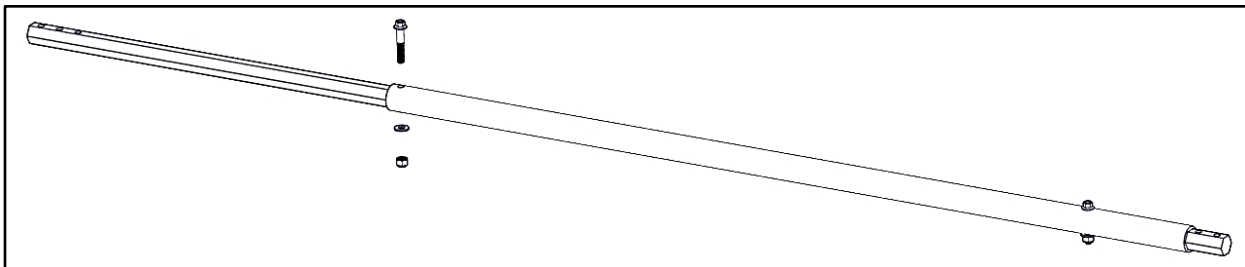
- Set Bow Assy (A&B) on mounting feet as shown. Follow instructions from the mount kit to install on vehicle.
- Place a foam block from the packaging to hold the bow in the up position in order to access the mounting slots.



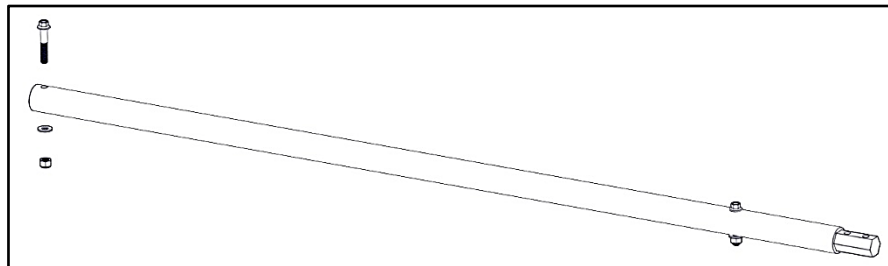
- Use 3/8" x 3/4" hex head bolts with 3/8" lock washers and 3/8" flat washers in order shown.
- Leave loose until the the rack is assembled.
- Repeat on both ends of bow.

## Step 3 – Determine Hex Tube Length

- If the distance between the two bows is greater than 43", use the long hex bar as it comes assembled.



- If the distance between the two bows is approximately 43", remove the long hex tube from the assembly and use the small 3 hole hex tube (C).



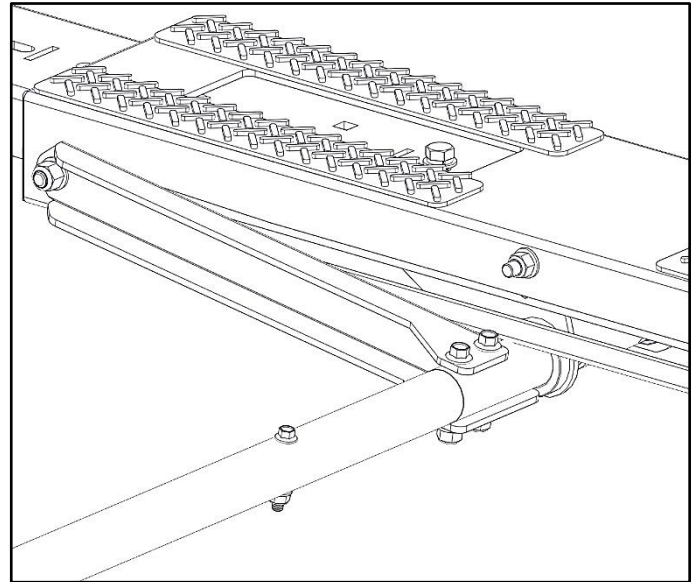
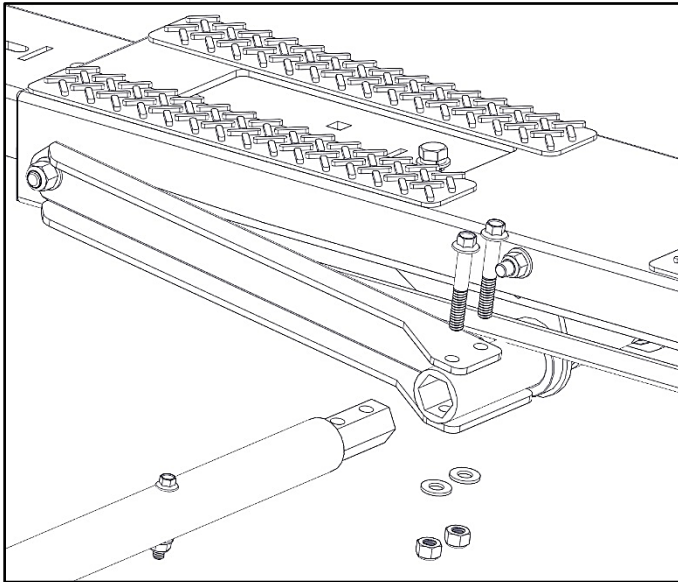
- In either case, remove bolt closest to the end of the hex sleeve that sets length of hex tube assembly, as shown.



## Step 4 – Install Hex Tube

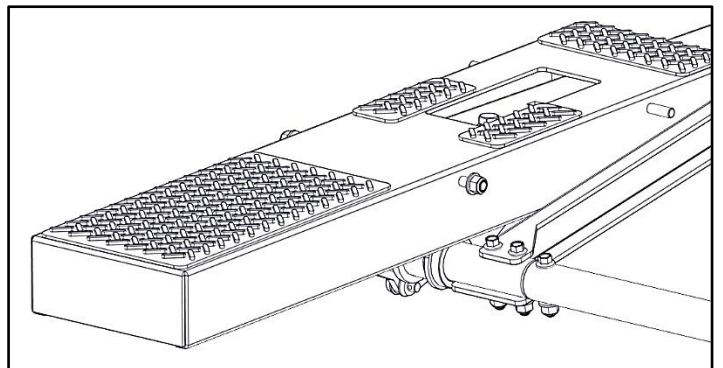
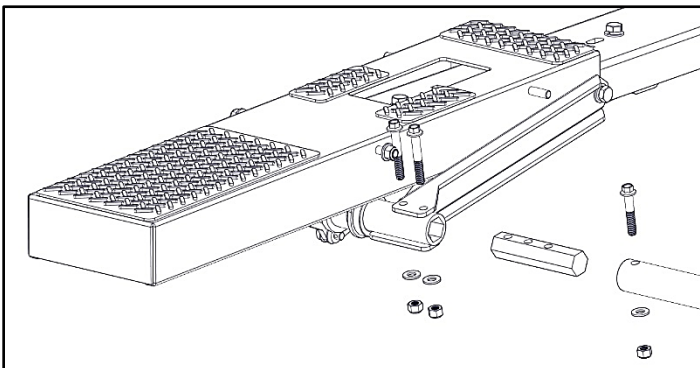
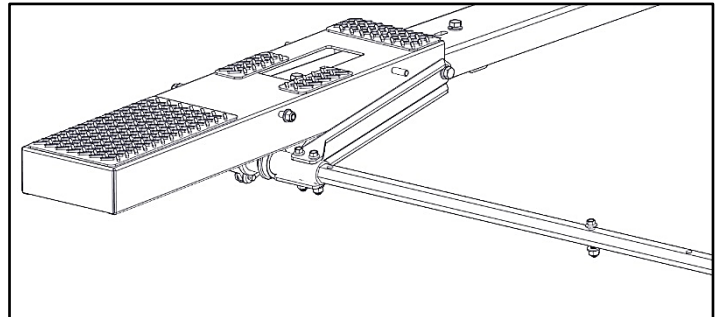
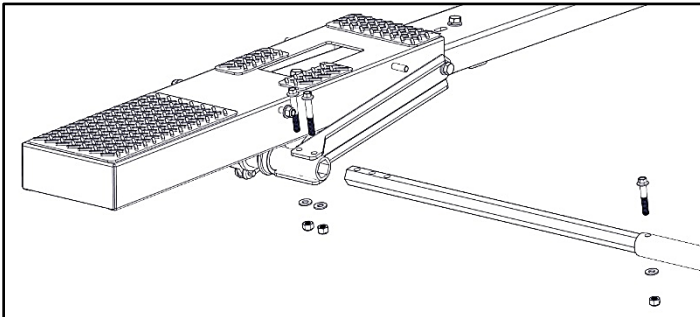
- Install hex tube to front pan assembly.
- Use the end of the hex tube assembly with 2 exposed holes to mount into the front pan.

\*Front bow shown\*



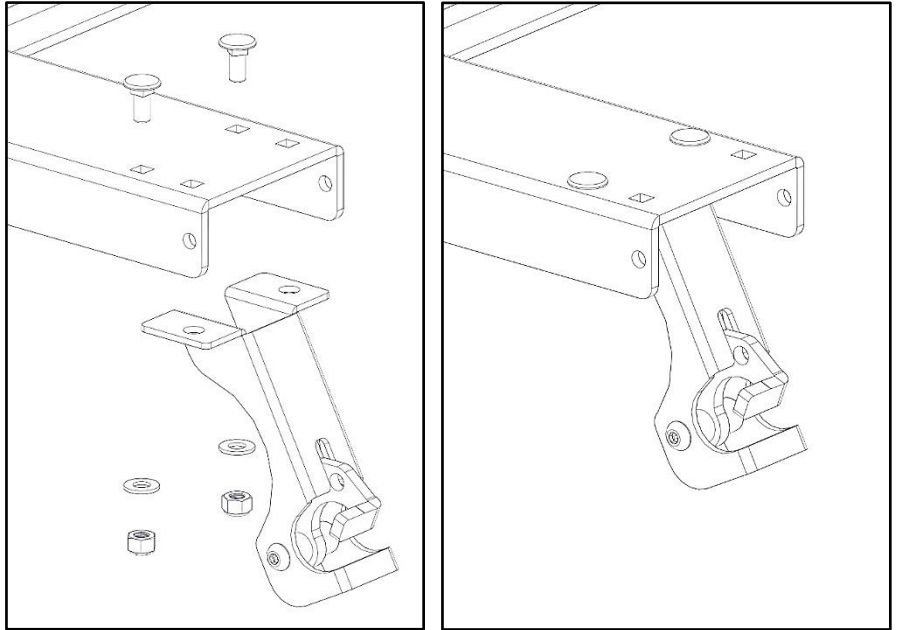
\*Rear bow shown below\*

- Slide hex tube and install on rear pan. (if distance between bows is approximately 43" use small 3 hole hex tube (C), see bottom set of pictures.)
- Bolt to rear pan using included hardware.
- Once bolted to rear pan, adjust hex tube to line holes up with the hex sleeve.
- Once aligned, bolt through both the hex sleeve and the hex tube using bolts from step 3.
- TIGHTEN all bolts from both front and rear pans.



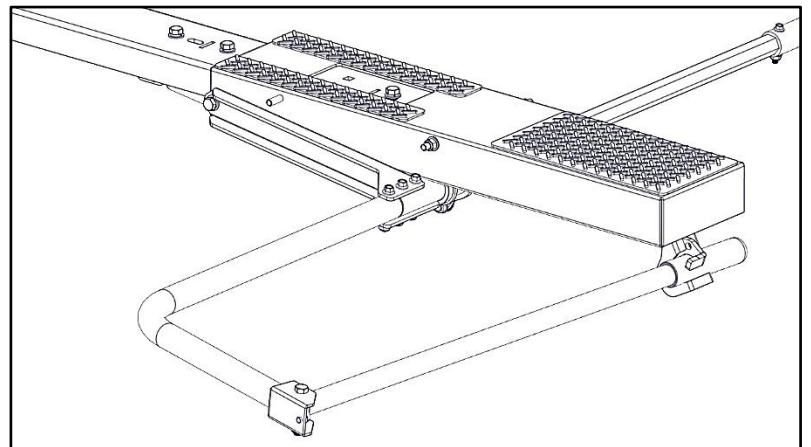
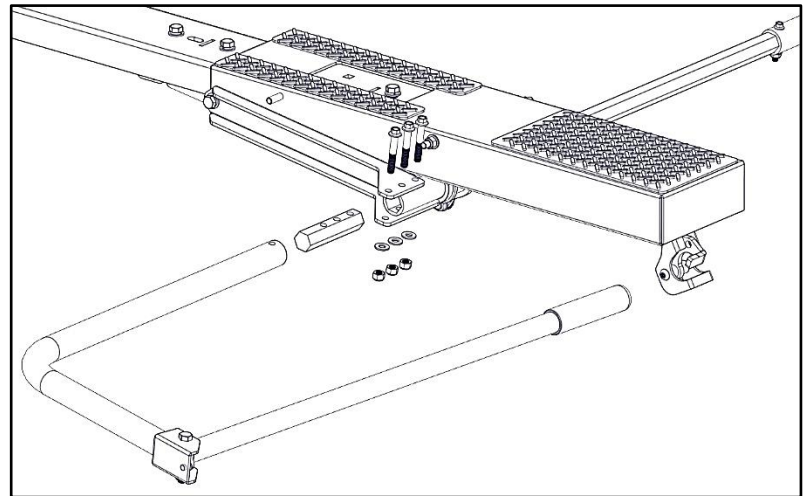
## Step 5 – Install Latch

- Move rear pan assembly out of the way to expose the end of the crossmember.
- Bolt latch assembly (F) to end of crossmember using 5/16" x 3/4" carriage bolts (1), 5/16" flat washers (2) and 5/16" nyloc nuts (3).
- Shown without pan for clarity.
- TIGHTEN



## Step 6 – Install Handle

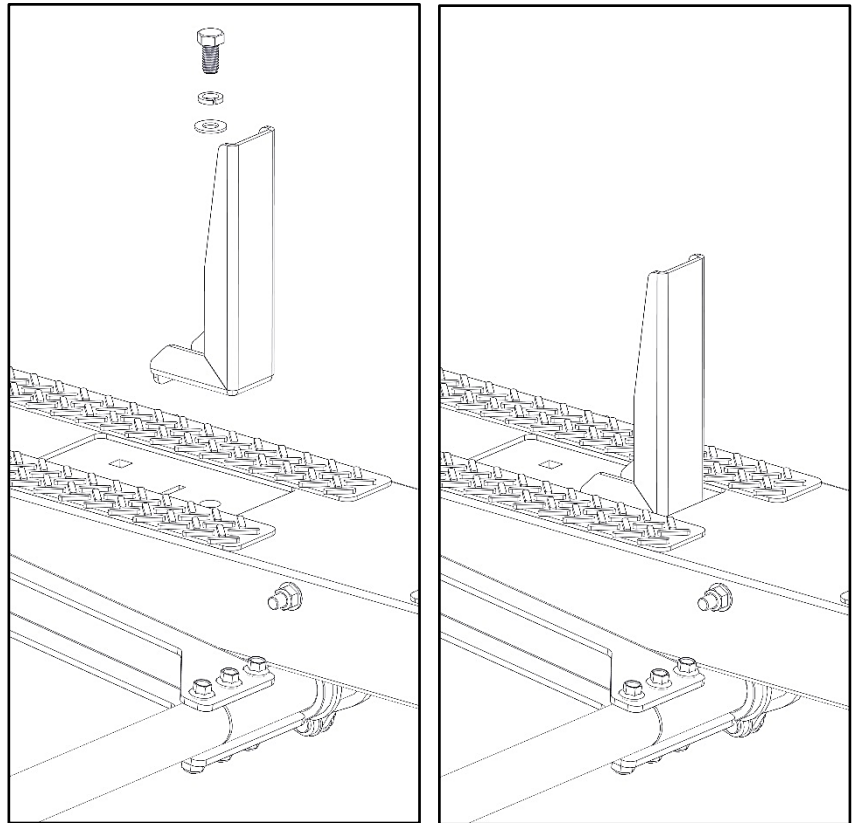
- Using the hardware in the rear bow to bolt handle (E) into position.
- TIGHTEN





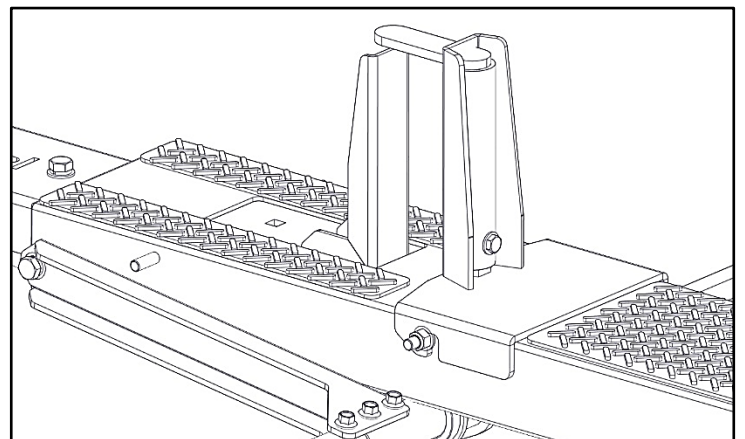
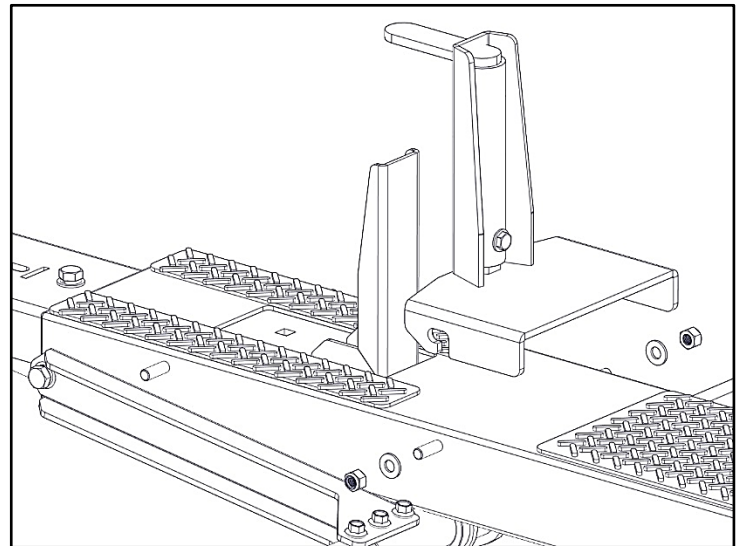
### Step 7 – Ladder Stop

- Using the hardware in both bows, bolt ladder stop (H) in orientation shown. Be sure to place the tab on the ladder stop into the slot on the bow.
- TIGHTEN

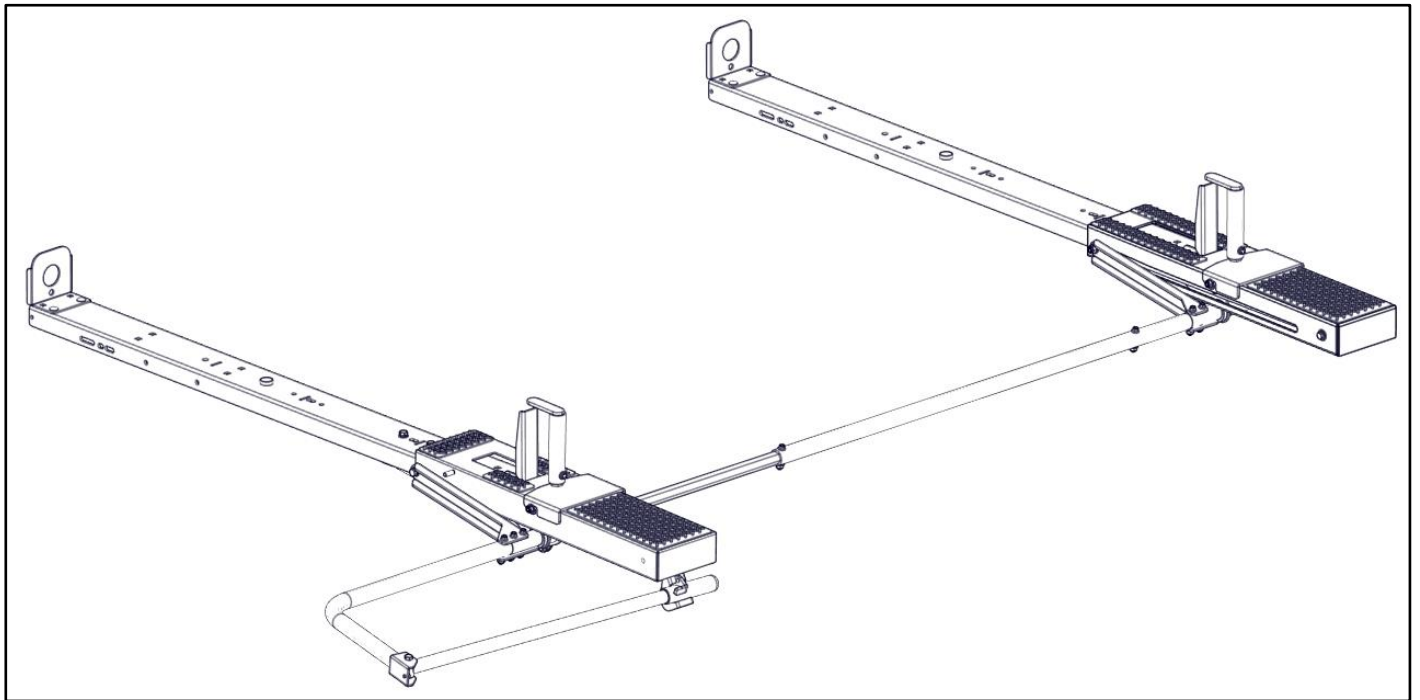
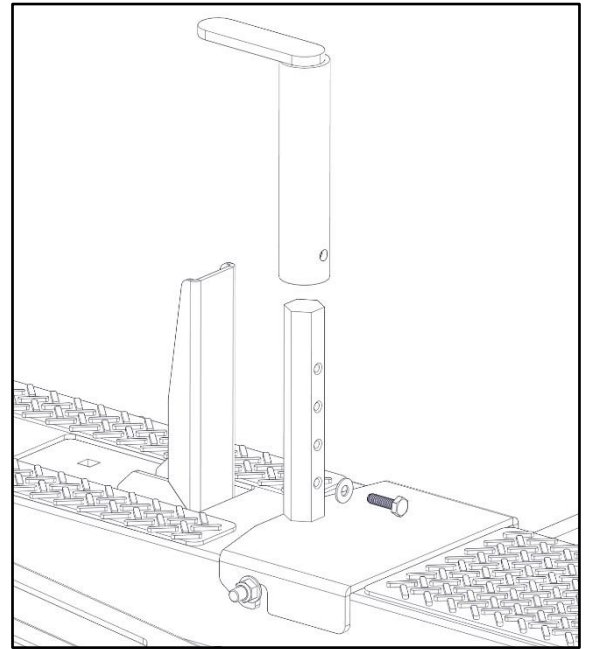


### Step 8 – Ladder Hooks

- Using the hardware and installed pem studs on both bows, loosen nuts and slide ladder hook (G) into place.
- TIGHTEN



- The ladder hook may be adjusted up or down at 4 different locations.



GO BACK AND TIGHTEN ALL BOLTS FROM PREVIOUS STEPS, BE SURE  
HARDWARE IN MOUNTING IS TIGHT.

YOUR INSTALLATION IS NOW COMPLETE