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# **KARGO MASTER<sup>®</sup>**

**WE PUT EVERYTHING WITHIN REACH.**

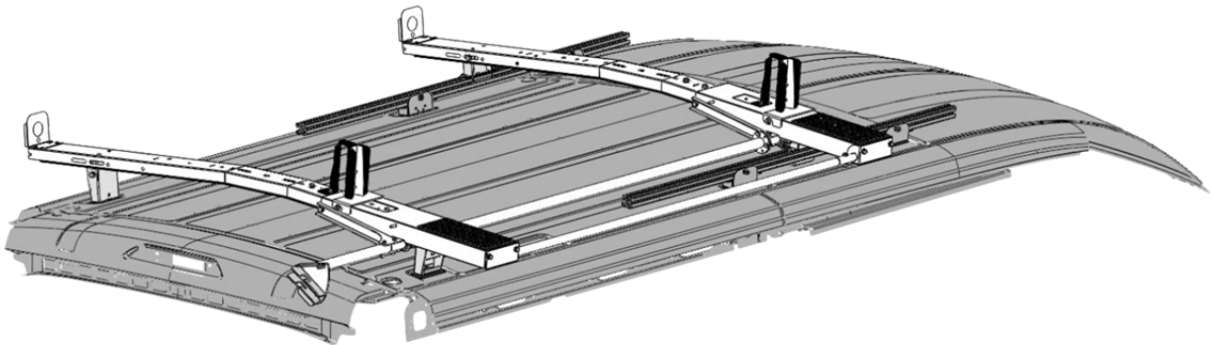
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## Installation Instructions

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### 4097M

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

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### Warning



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

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### Tools Needed

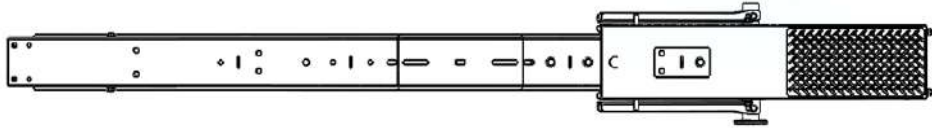
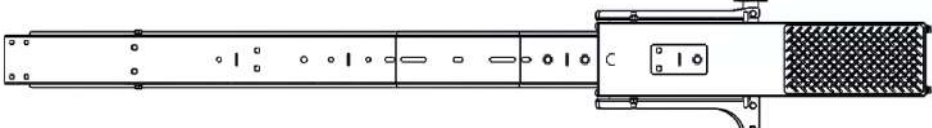


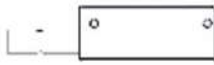


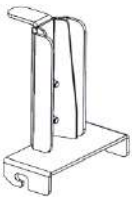

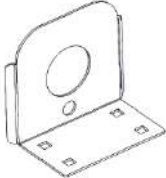
1/2" Wrench and Socket	7/16" Wrench and Socket
9/16" Wrench and Socket	Tape Measure
Phillips Drive	

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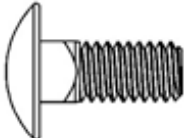
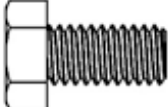


### Before You Begin

- Read all instructions.

Parts

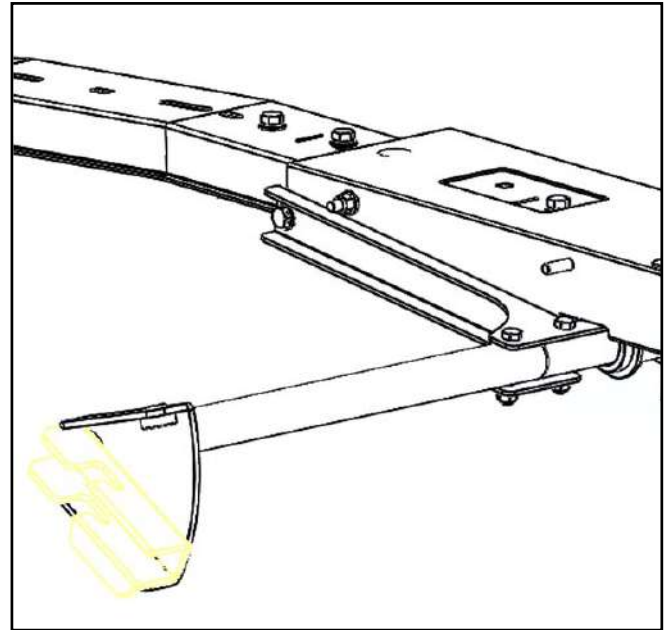
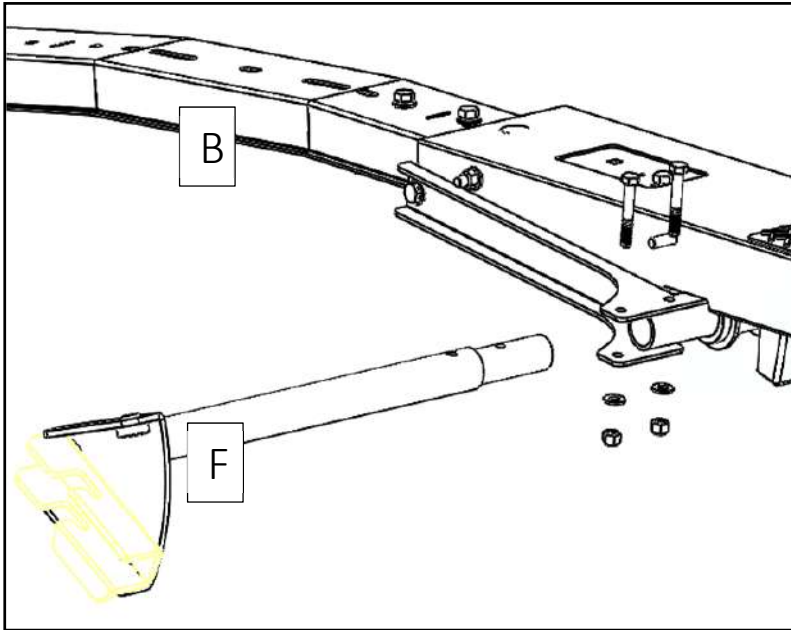
ITEM NO.	4097M PARTS	DESCRIPTION	QTY
A		Front Bow Assembly	1
B		Rear Bow Assembly	1
C		Torque Tube	1
D		Support Tube	1
E		Support Tube End	1
F		Actuator	1
G		Removable Handle	1
H		Ladder Hook	2
I		Ladder Stop	2
J		Load Plate	2
K		HARDWARE	1

Hardware

ITEM NO.	TO SCALE	DESCRIPTION	QTY.
1		10-24 x .625 PH Phillips Drive	2
2		10-24 Nyloc Nut	2
3		.25 flat washer	12
4		.25-20 NYLOC NUT	6
5		.25-20 x .875 HH	6
6		.312 Flat Washer	8
7		.312-18 x .75 Carriage Bolt	4
8		.312-18 x .625 HH	4
9		.312 Split Lock Washer	4
10		.312-18 Nyloc Nut	4
11		E6000	1
12		Handle Bar Holder	2

## Step 1 – Install Actuator

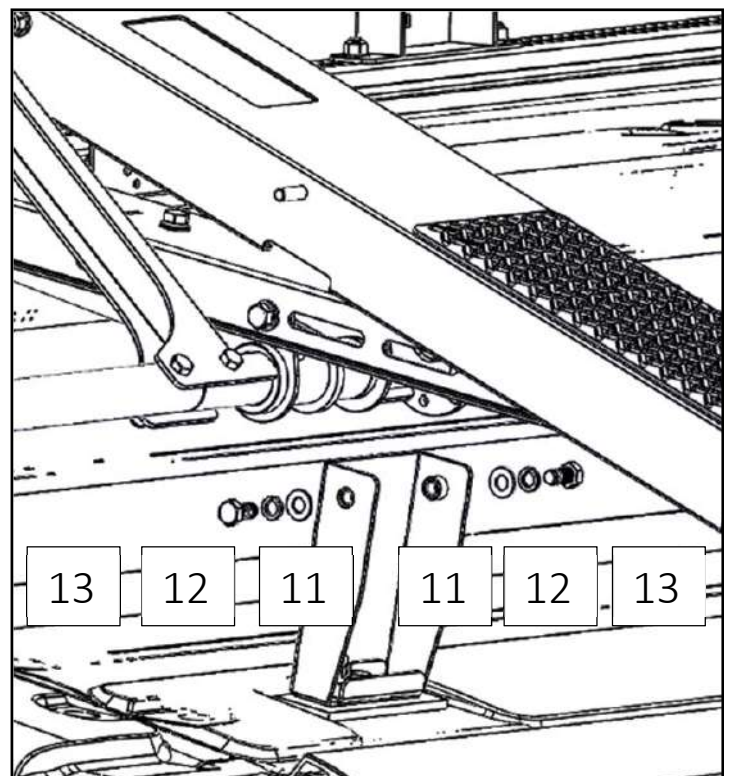
- This can be done on or off the van.
- Remove existing hardware from the Rear Bow Assy. (B) as shown
- Keep Hardware, This will be re-used.
- Install the Actuator (F) with the “triangle” opening towards the end of the bow.
- Be sure to put E6000 into tube swedge and around the bolt holes.



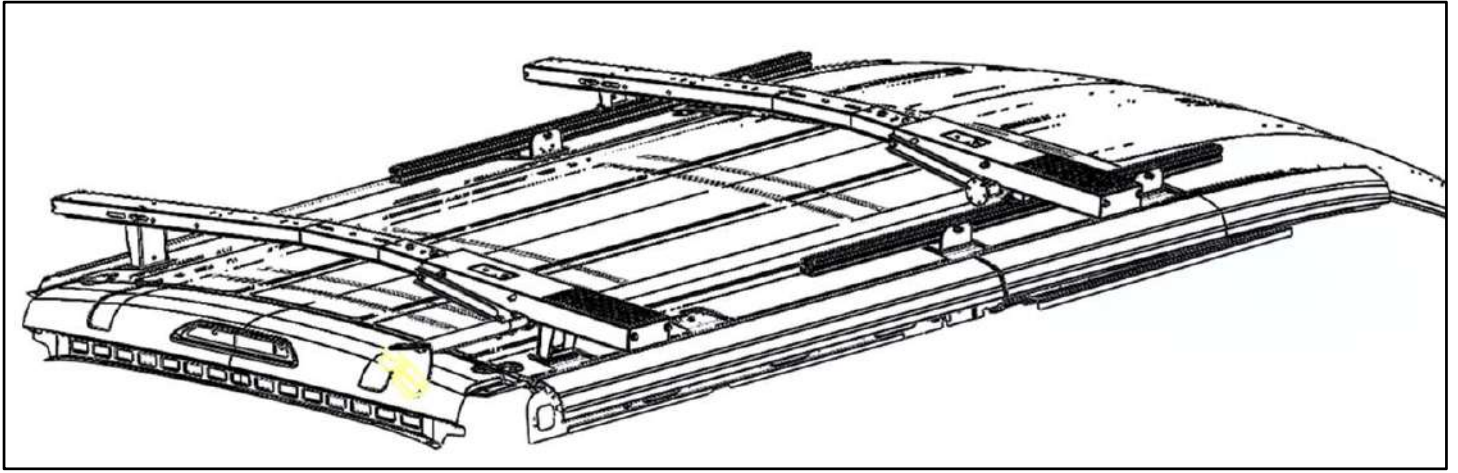
## Step 2 – Install Front and Rear Bow

\*If you have a lift you can skip this step and continue building the rack on a bench\*

- Set Rear Bow Assy. (B) on rear mounting feet as shown.
- Place a foam block from the packaging to hold the bow in the up position in order to access the mounting slots.
- Insert .375" x .75" hex head bolts (13) with .375" flat washer(12) and .375" lock washer(11) as shown.
- Leave loose until the the rack is assembled.
- Repeat on other side of bow.

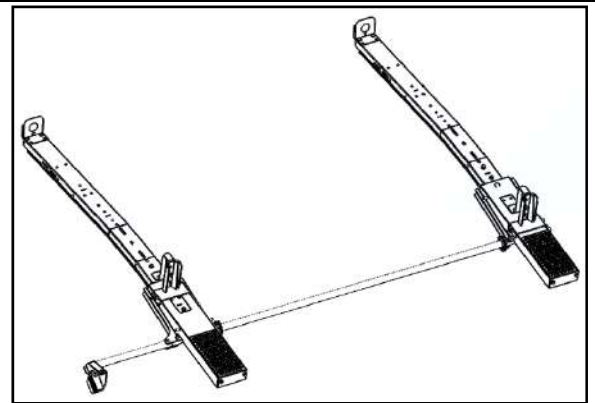


- Repeat the process for the front bow (A).



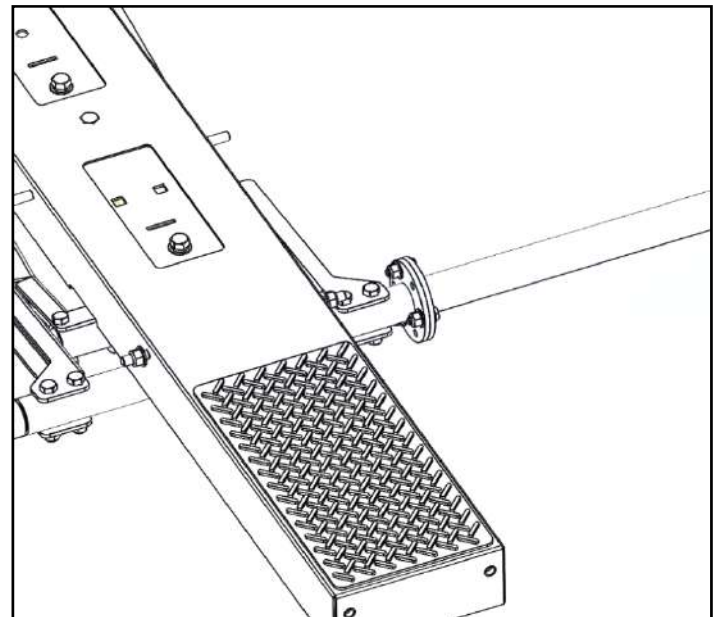
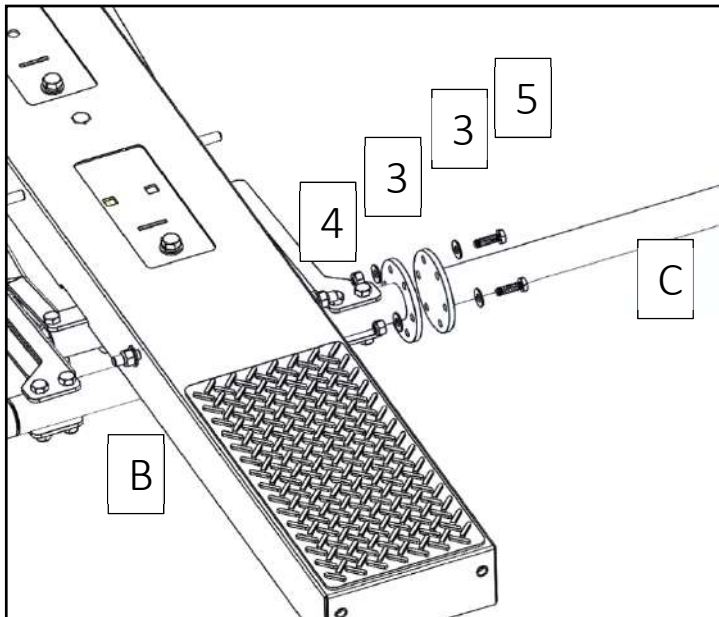
### Step 3 – Torque Tube Installation

**\*\*BE SURE THE BOTH FRONT AND REAR LADDER PANS ARE ALL THE WAY DOWN ON THE BOWS WHILE TIGHTENING\*\***



- Bolt Torque Tube(C) to Rear Bow Assy(B) using three .25" x .875" hex head bolts (5) six .25" flat washers(3) and three .25" nyloc nuts(4).

\*You may want to put a foam packing block under the front of torque tube (C) to make it level while tightening\*



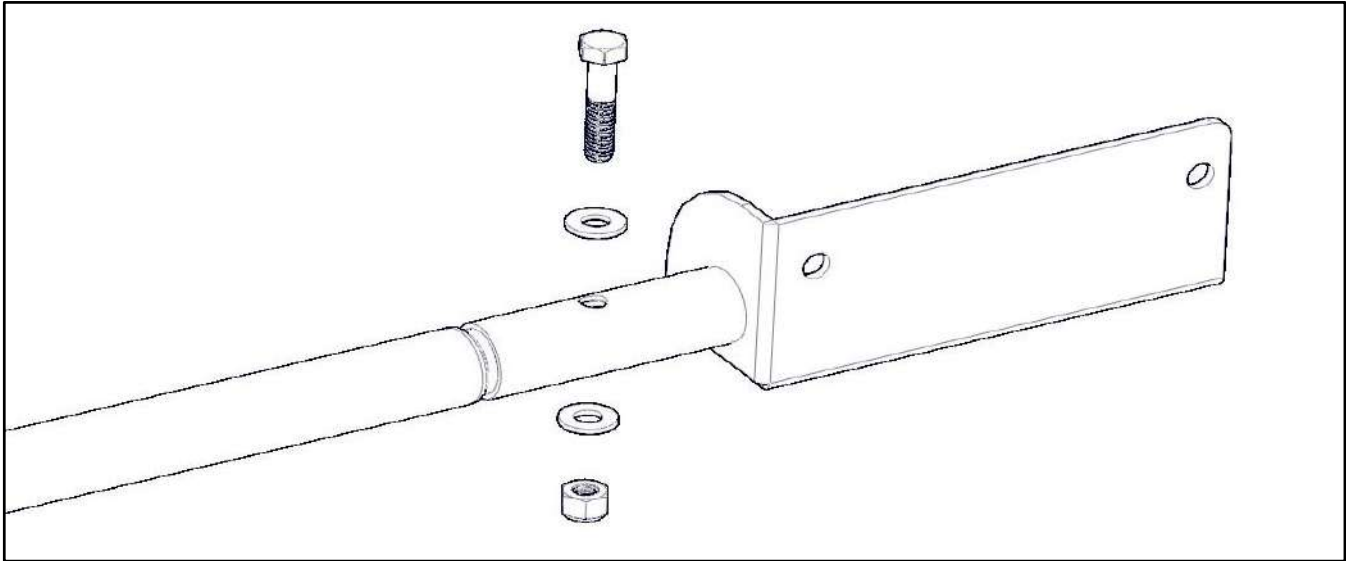
- Repeat process to bolt to the front bow assembly(A).



## Step 4 – Ladder Pan Support

### A.

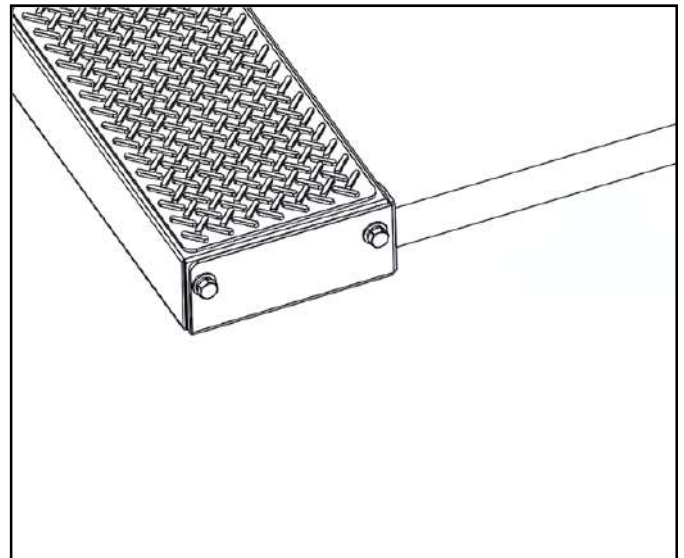
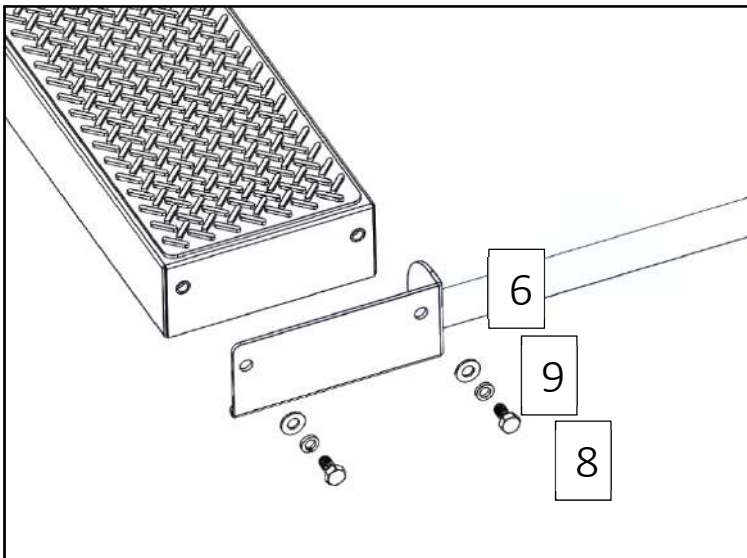
- Assemble Support Tube(D&E). Put E6000(14) into tube swedge and around the bolt holes to prevent water from getting into tubes.



- Use .312" x 1.5" hex head, .312" flat washers and a .312" nyloc nut.

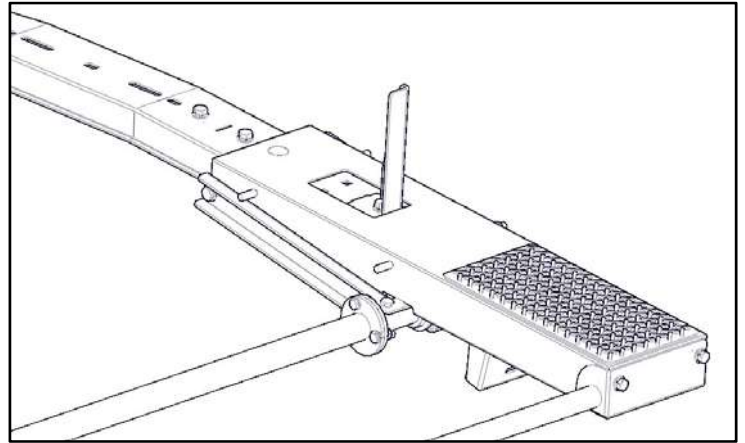
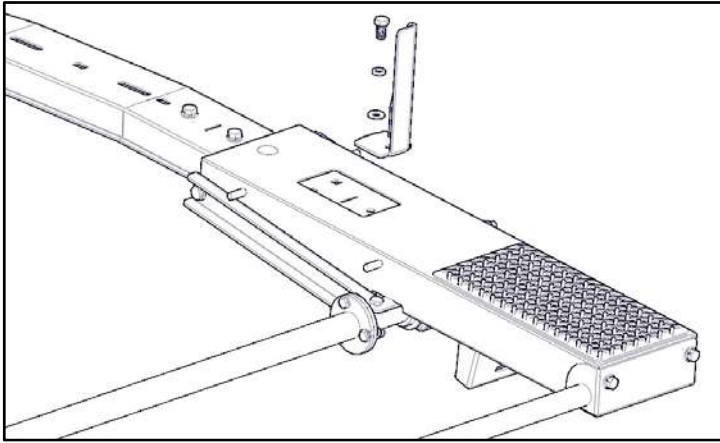
### B.

- Attach Support Tube(D&E) to the Ladder pan as shown using .312" x .625 hex head (8) with .312" lock washers(9) and .312" flat washers(6).
- Repeat at front and rear bow.

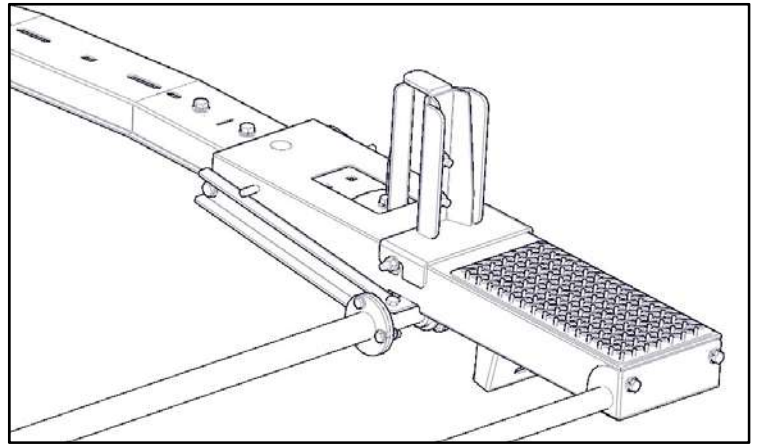
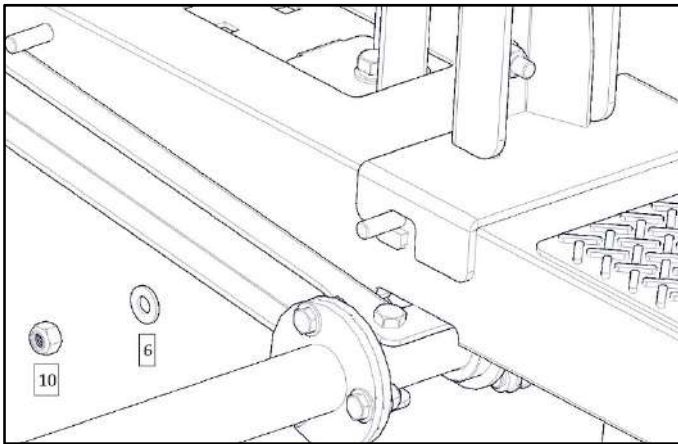


## Step 5 – Ladder Stops and Hooks

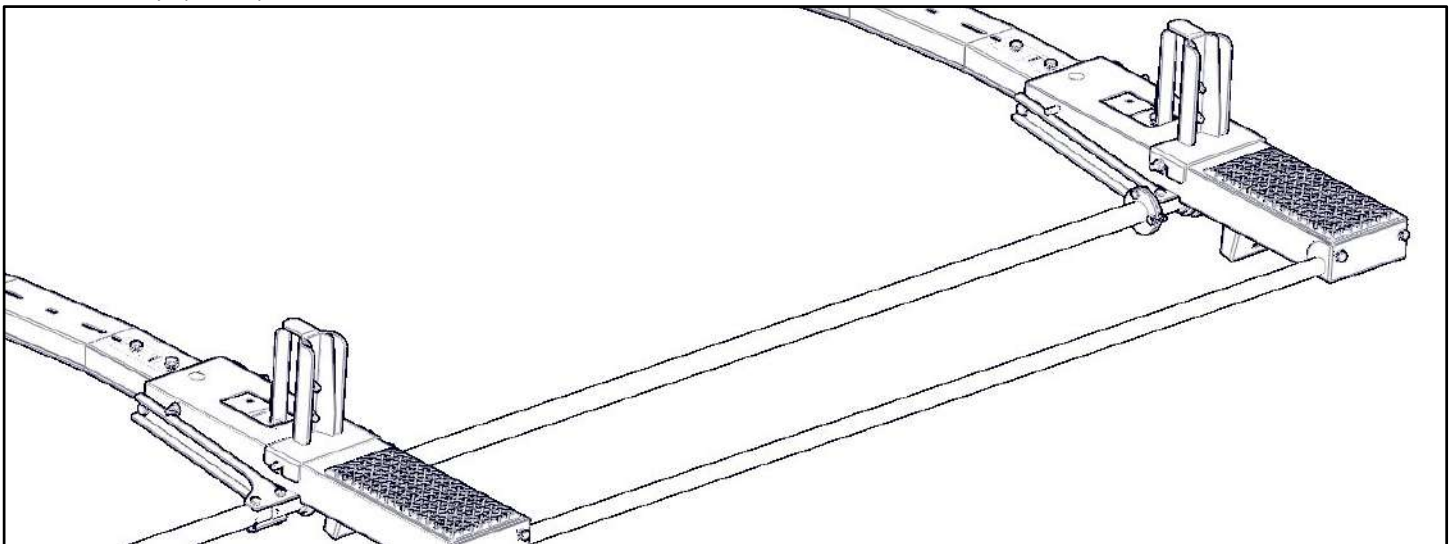
- On the front bow (A), remove 3/8"x3/4" bolt, 3/8" split lock washer and 3/8" flat washer from shown location and install Ladder Stop(I)



- Bolt Ladder Hook (H) to the lower position where the pem studs are installed. Use a .312 flat washer(6) and a .312 nyloc nut (10).
- Repeat on both sides of ladder hook (H).



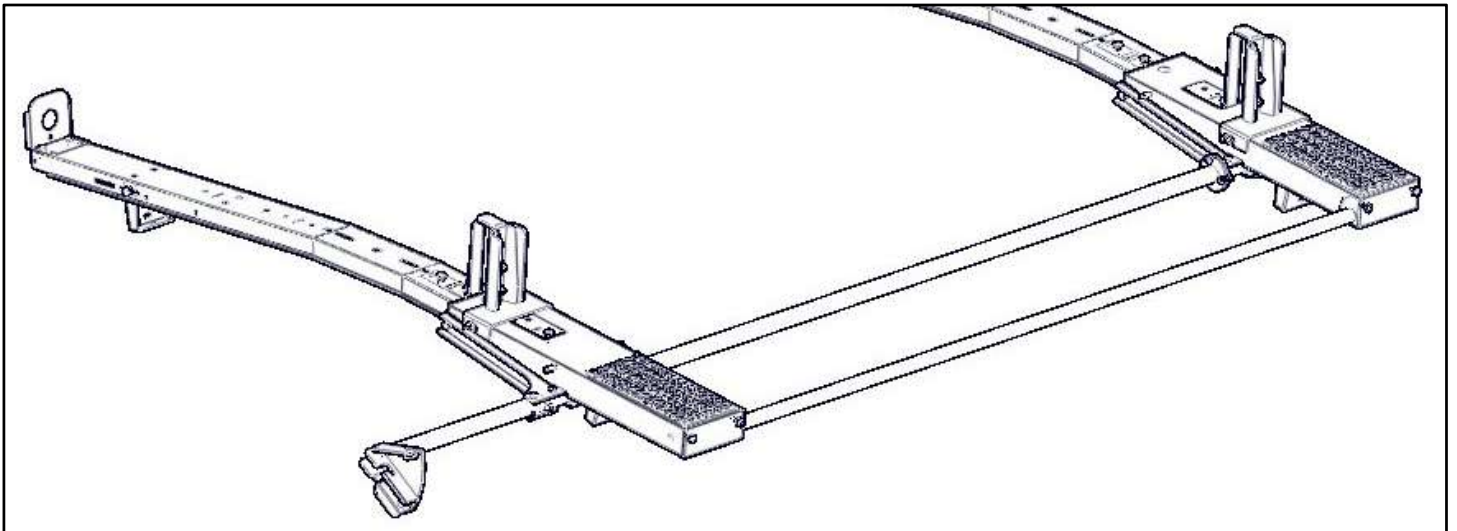
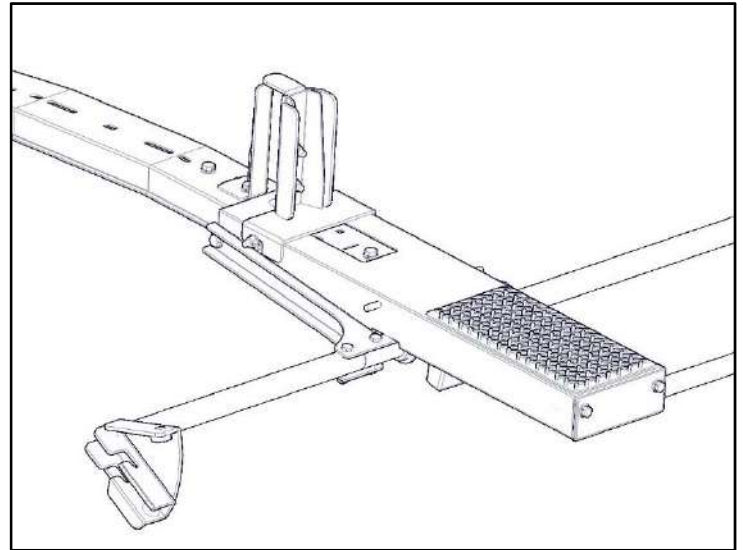
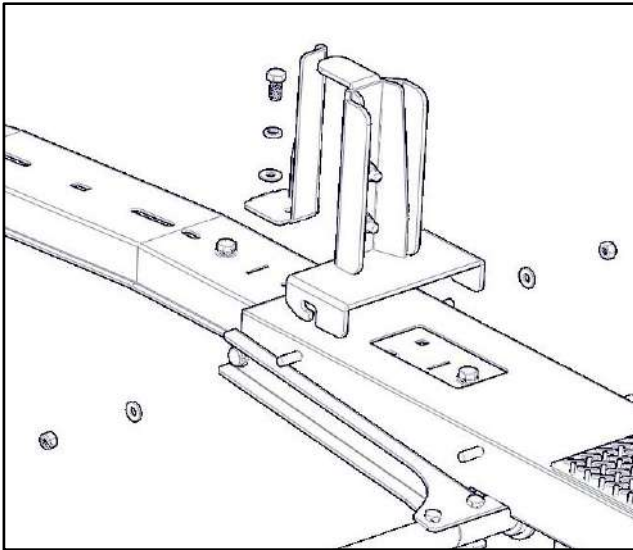
- If using an "Extension Ladder" put the Ladder Stop(I) at the same location on the Front & Rear Bow Assy.(A&B).





## Step Ladder Set-Up

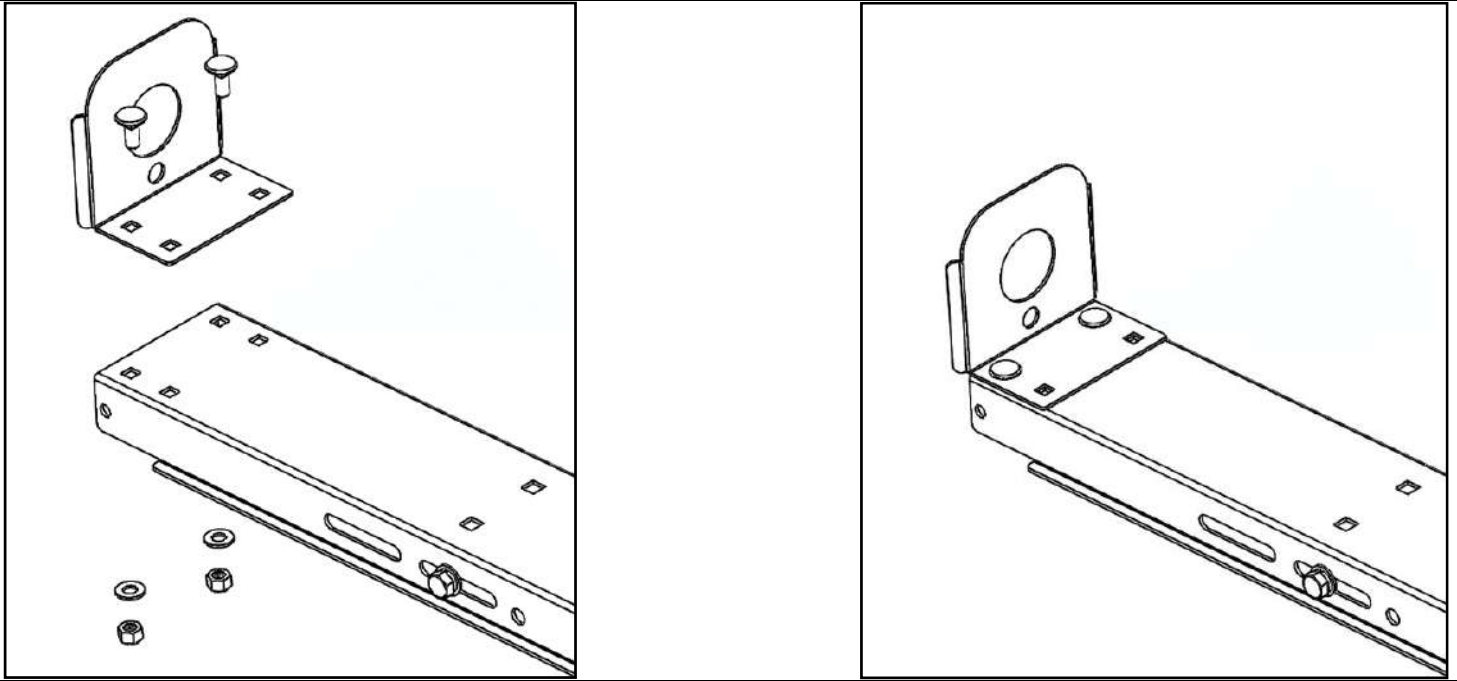
- If installing for a “Step ladder”, The ladder hook (H) and the ladder stop (I) change positions on the rear bow.
- Both of these parts move higher up on the bow and are installed using the other pem studs.



## Step 6 - LoadPlate

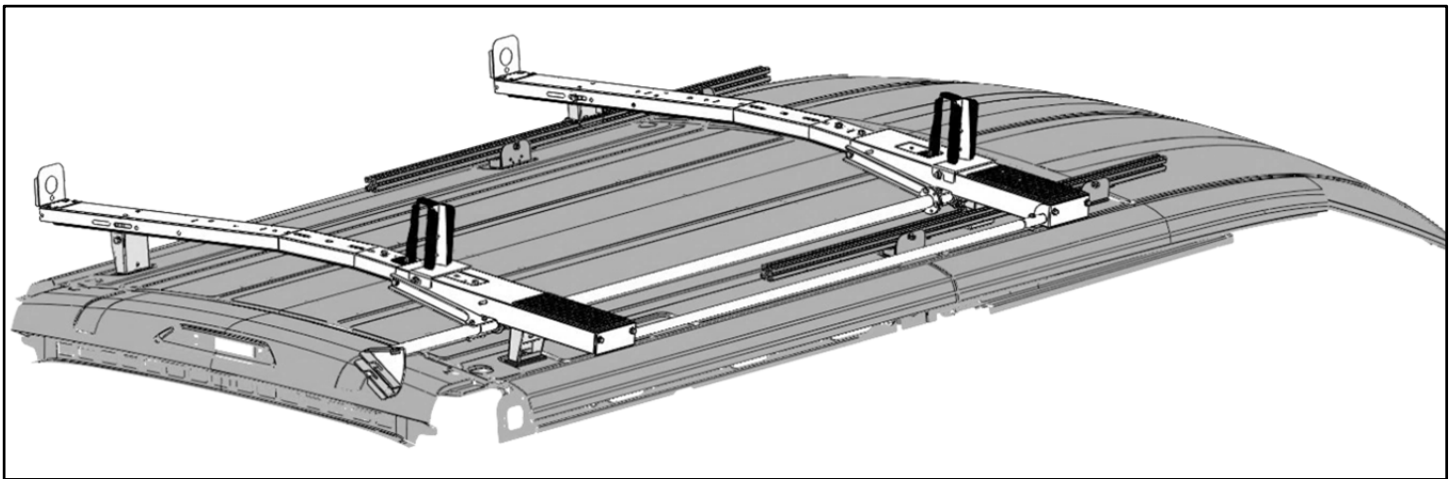
- Attach the Load Plates(J) on the driver side as shown using .312”x .75” carriage bolts(7) with .312” flat washers(6) and .312 nyloc nuts(10).

**\*\*You will NOT use these if you are installing a double drop down\*\***



### Step 7 – Installing Rack

- If you built the rack on the bench you can now set the rack on the mounts as described in **Step 2.**



### Step 8 – Install Handle Bar holder

- Install handle bar holder clip from hardware kit to your preference. Most install at the rear of the van, on the backside of a shelving unit.
- Install clips using #10 hardware provided.

**GO BACK AND ENSURE ALL HARDWARE IS TIGHT**  
Your installation is now complete.