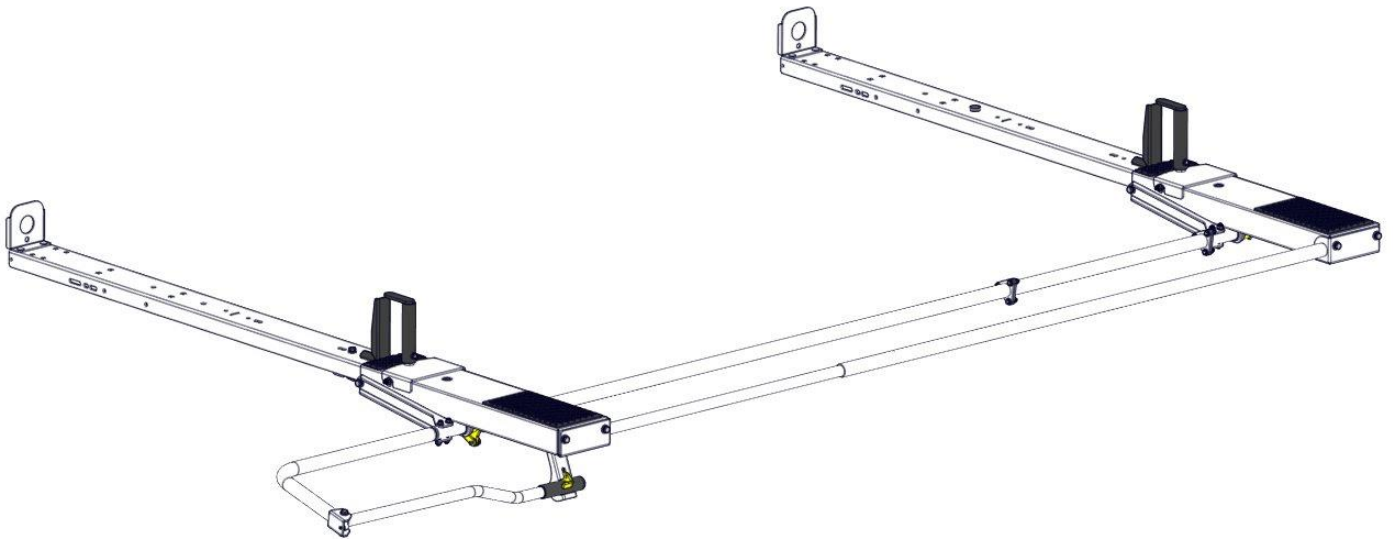

KARGO MASTER®

WE PUT EVERYTHING WITHIN REACH.

Assembly Guide

4A93L



***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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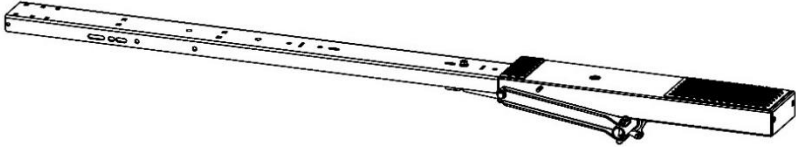
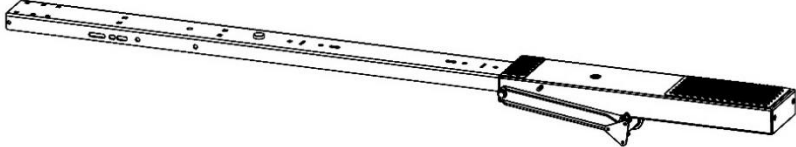

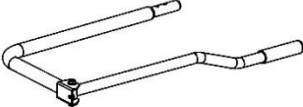




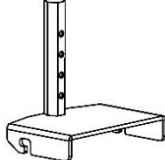


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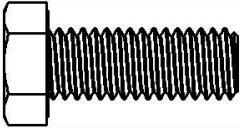
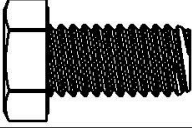
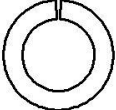
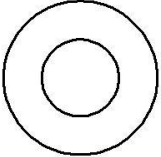

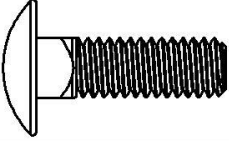
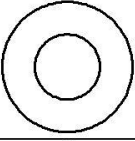

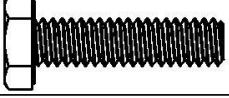
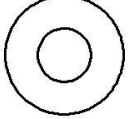


Before You Begin

- Read all instructions.
- Have mount kit installed on vehicle.
- NEVER EXCEED MANUFACTURERS ROOF WEIGHT RATING.
- Place sealant around all sawge joints to avoid water from leaking inside of ladder rack.

Parts

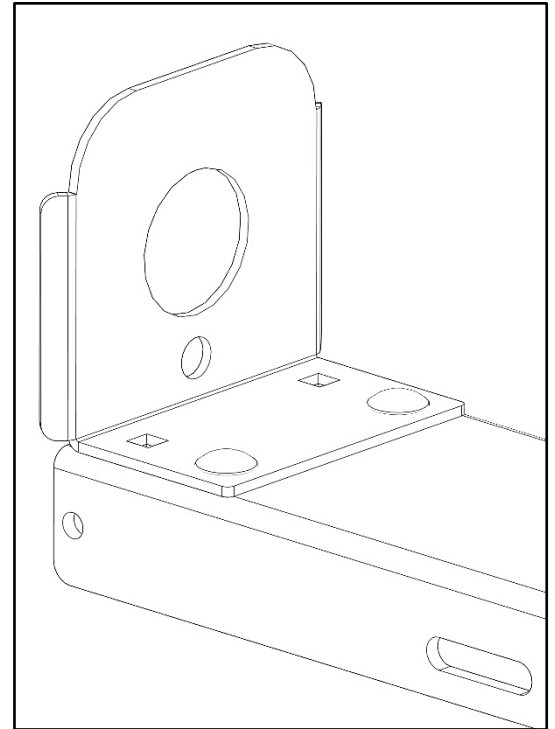
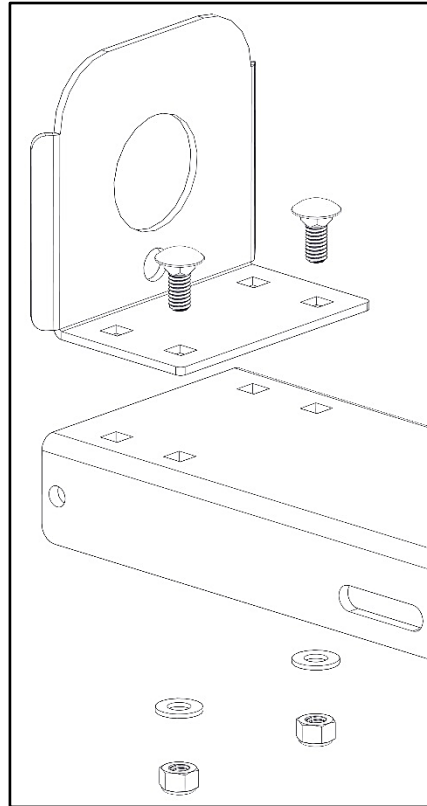
ITEM NO.		PART NUMBER	QTY.
A		4A93L-1	1
B		4A93L-2	1
C		4A93L-7	1
D		4A93L-70	1
E		4A93L-51	1
F		4A93L-50	1
G		4A93L-44-R1	1
H		4A900-35	2
J		4A900-36	2
K		4A900-30-004-R3	2
L		4A900-10-008-R2	2
		18-4A93L-P5	1

Hardware

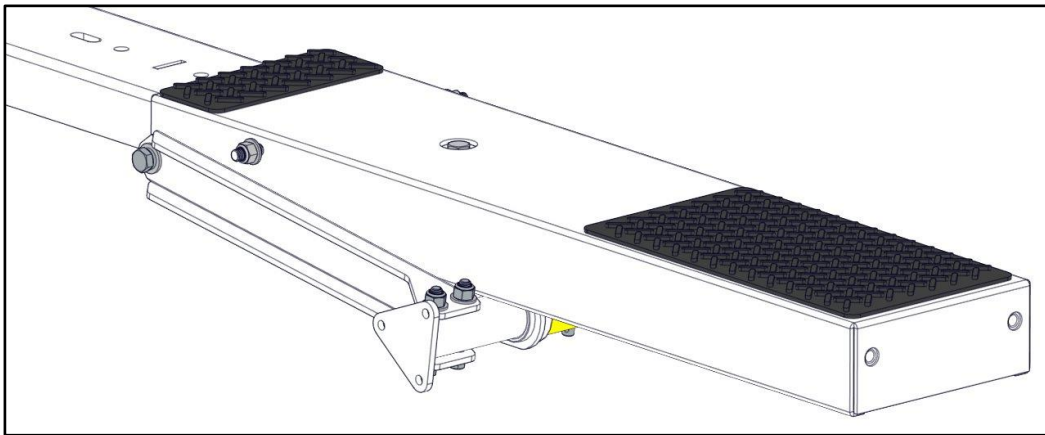
ITEM NO.	TO SCALE	PART NUMBER	DESCRIPTION	QTY.
1		92865A624	BOLT, HEX, 3/8-16 X 1"	2
2		92865A622	BOLT, HEX, 3/8-16 X .75"	4
3		91102A760	WASHER, LOCK, 3/8	6
4		90126A031	WASHER, FLAT, 3/8, SAE	7
5		97135A230	NUT, HEX, NYLOK, 3/8-16	1
6		90185A583	BOLT, CARRIAGE, 5/16-18 X 1	6
7		90126A030	WASHER, FLAT, 5/16, SAE	6
8		95615A160	NUT, NYLOC, 5/16-18	6
9		92865A542	BOLT, HEX, 1/4-20 x 1"	11
10		90126A029	WASHER, FLAT, 1/4"	20
11		95615A120	NUT, NYLOK, 1/4-20	9
12		BH-821	SEALANT	1

Step 1 – Load Plates

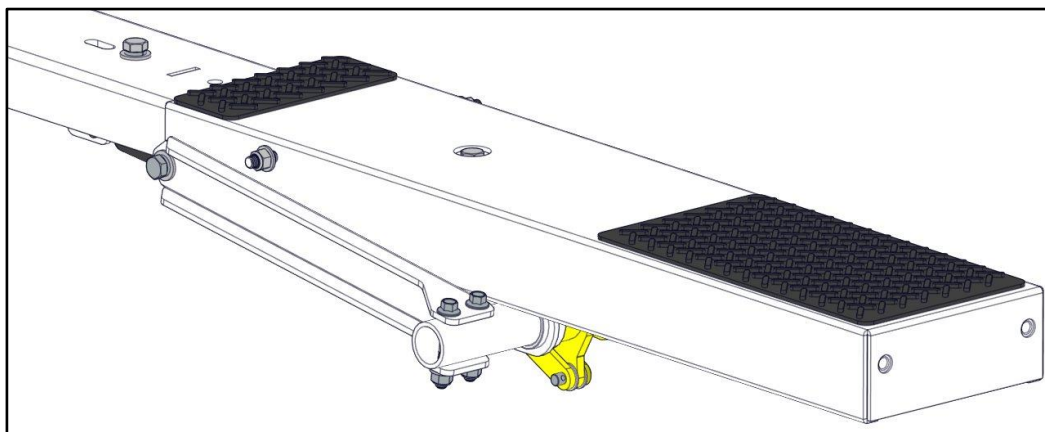
- At the end of each bow, opposite from the pan mechanism, bolt load plates using two 5/16" x 1" carriage bolts, two 5/16" flat washers and two 5/16" nyloc nuts in the orientation shown.
- If installing driverside drop down, Skip installing load plates.
- Repeat on both bows.
- Snug Tighten, but allow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



- Determine front and rear bow.



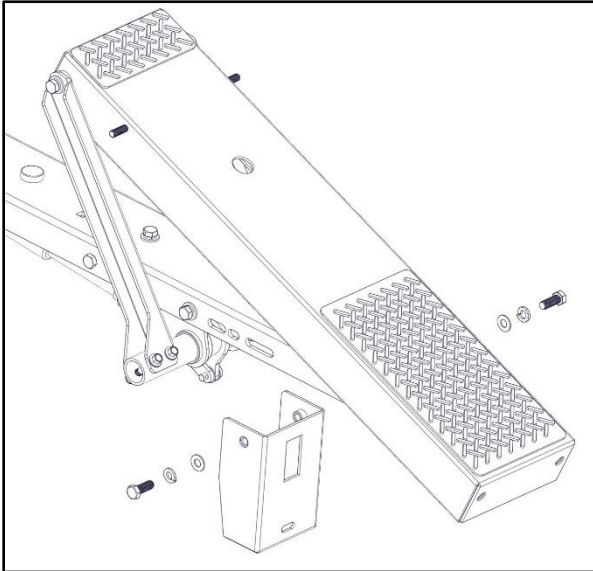
Front Bow



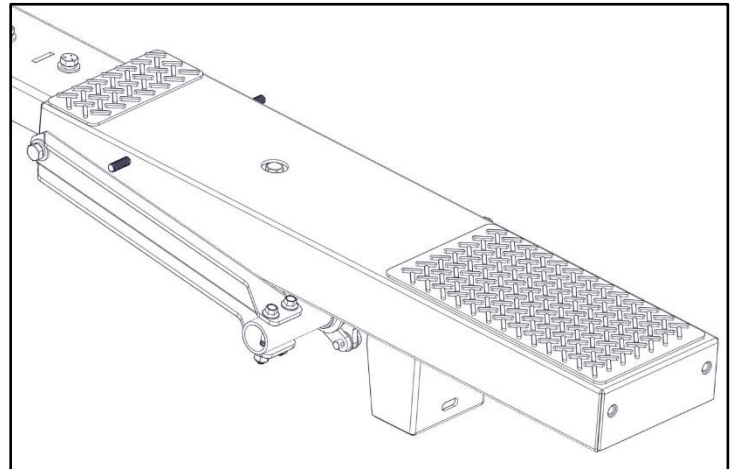
Rear Bow

Step 2 – Pan Mount

- Be sure mount kit is installed on vehicle.
- Set front and rear bow assembly on 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.
- Leave loose until the the rack is assembled.
- Repeat on both ends of both bows.



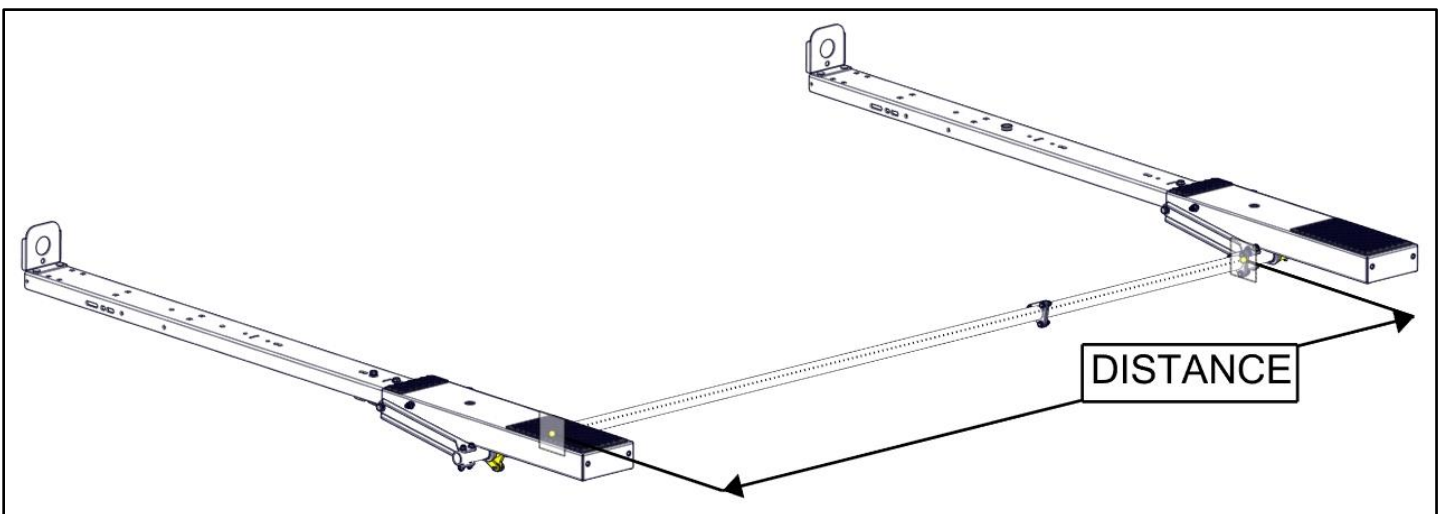
**Bow and feet may vary from installation to installation.
Shown below is a different bow,
but the assesbly is the same**



Step 3 – Determine if EXT is Needed

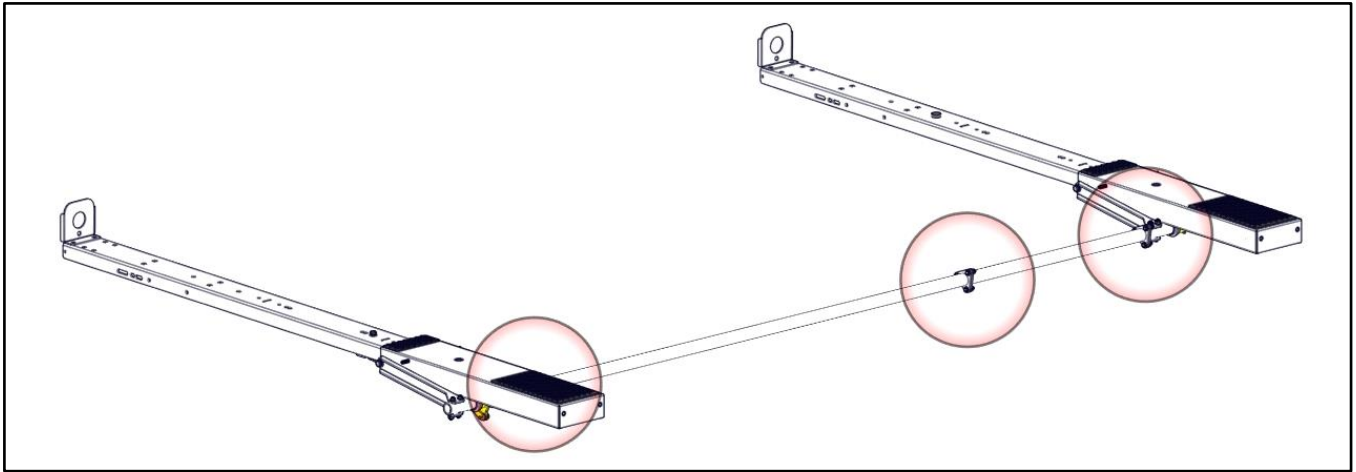
- Measure between the two bows as shown. If distance is approximately 84.5", the extension will be needed.
- If the distance between the two bows is approximately 60", the EXT piece is **not** needed.

Picture shown below with EXT piece

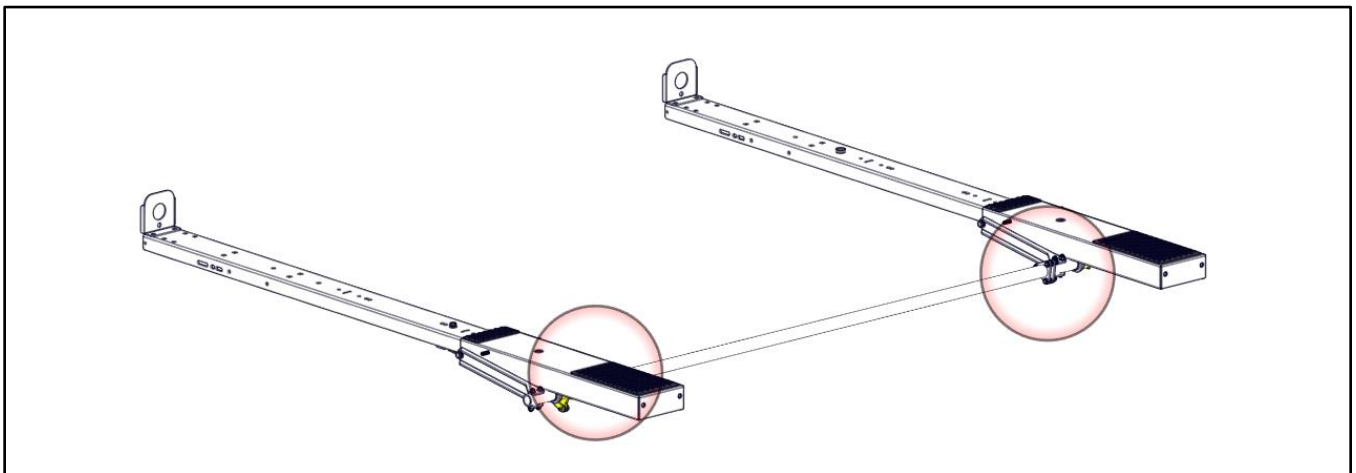


Step 4 – Install Torque Tube

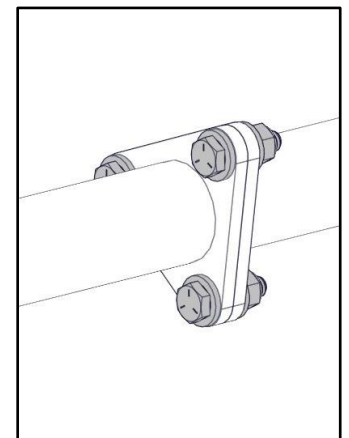
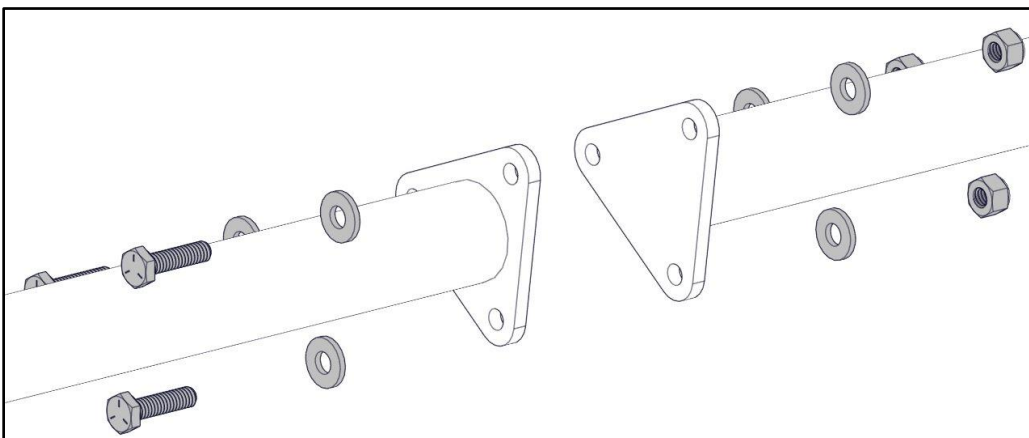
- If EXT is needed, Assemble EXT to long torque tube.



- If EXT is not needed, Only use long torque tube.



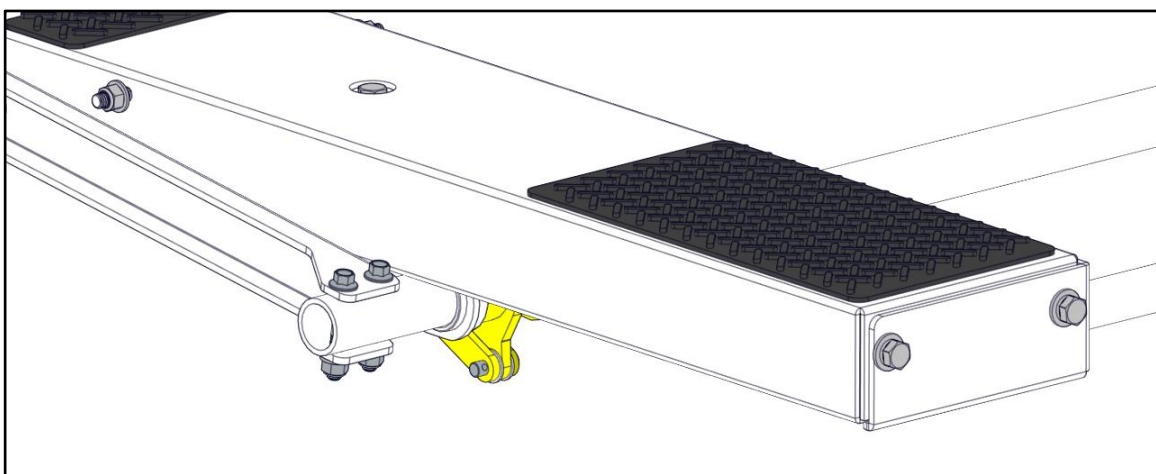
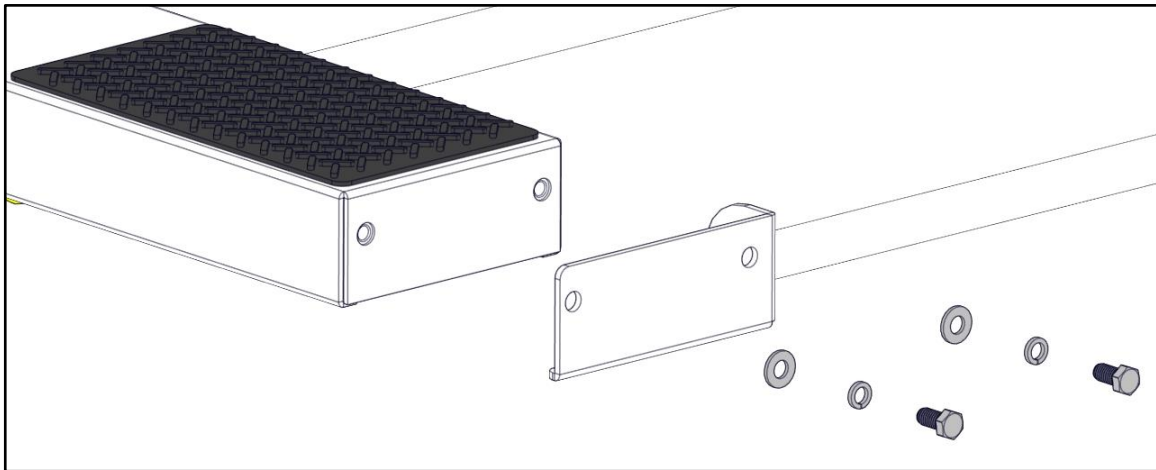
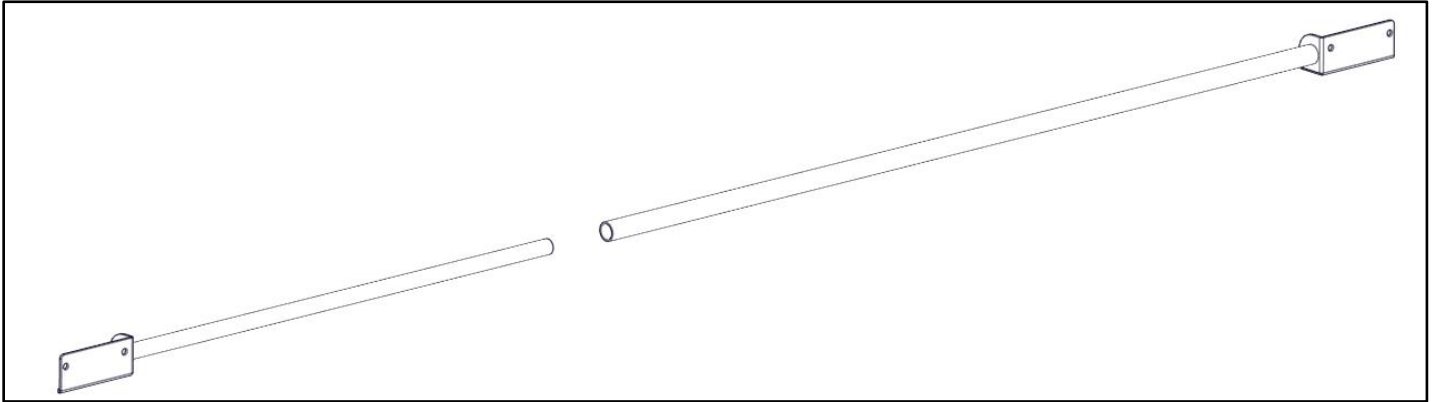
- Bolt torque tube to front and rear bow using 1/4"-20 x 1" Hex Head bolt, two 1/4" flat washers and 1/4"-20 nyloc nut at each location.



Step 5 – Install Cross Tube

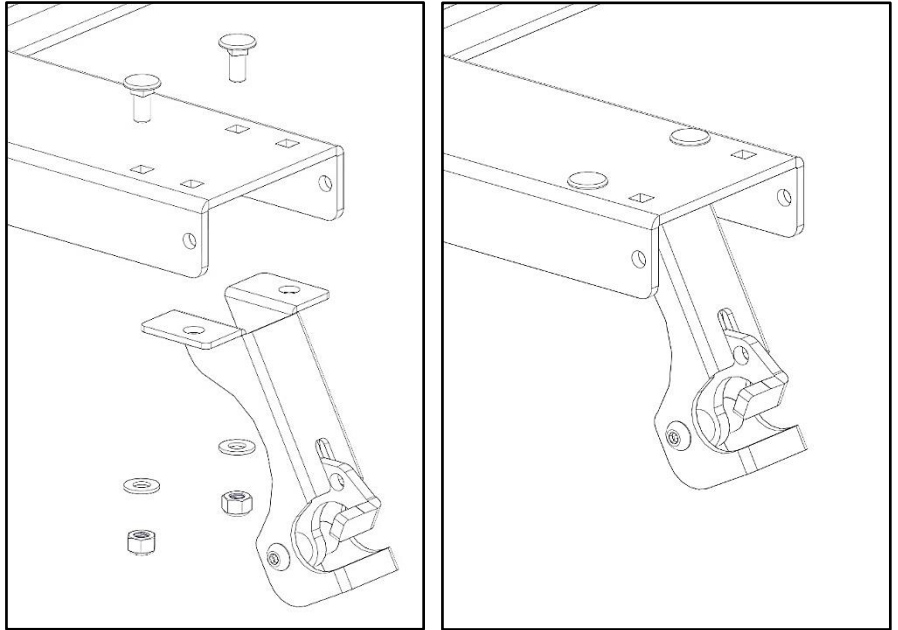
- Insert crosstube as shown. Bolt to the end of both pans using 3/8" x 3/4" hex head bolts, 3/8" flat washers and 3/8" nyloc nuts.
- Repeat at both bows.

TIGHTEN



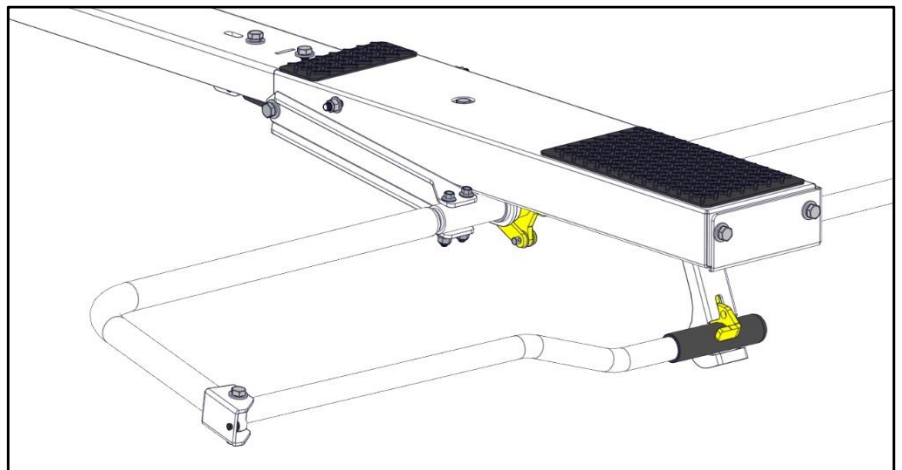
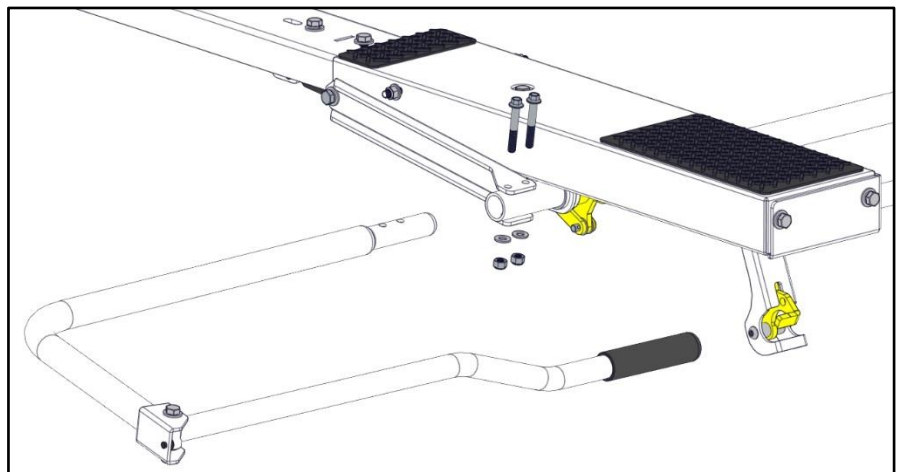
Step 6 – Install Latch

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



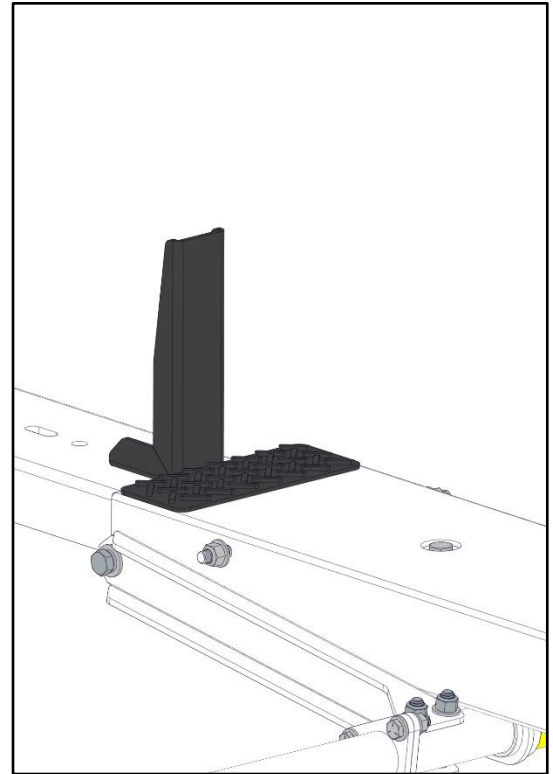
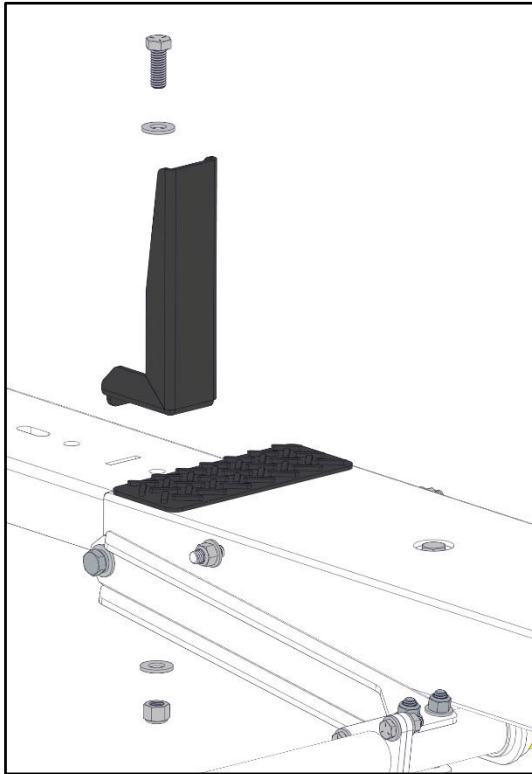
Step 7 – Install Handle

- Place handle in orientation shown. Attach handle to the rear pan using existing 5/16" hardware.
- Place sealant round swage joint to ensure no water leaks into tubes.
- TIGHTEN

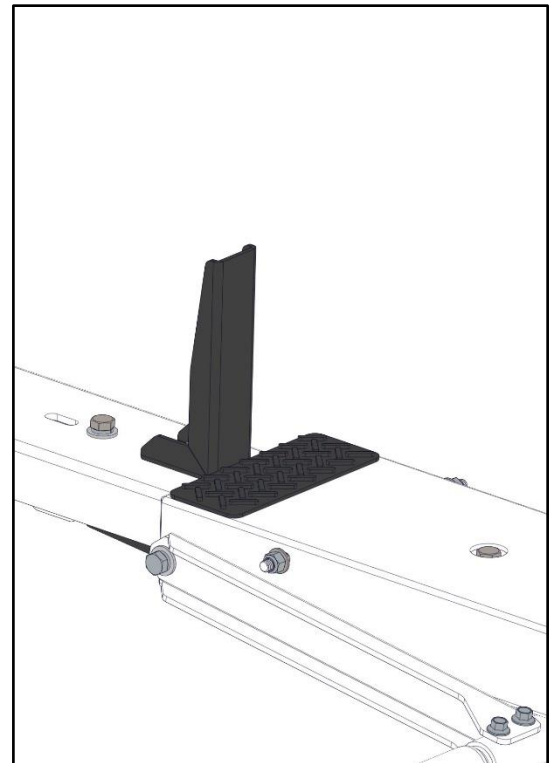
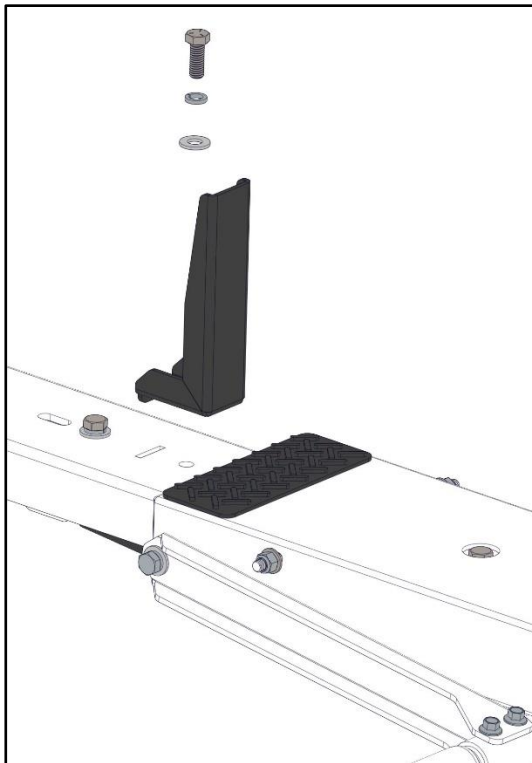


Step 8 – Install Ladder Stop

- Attach ladder stop to both front and rear bow. Be sure the flange of the ladder stop is aligned with the cut out in the bows.
- In the front bow, bolt in place using 3/8" x 1" hex head bolt, two 3/8" flat washers and a 3/8" nyloc nut.

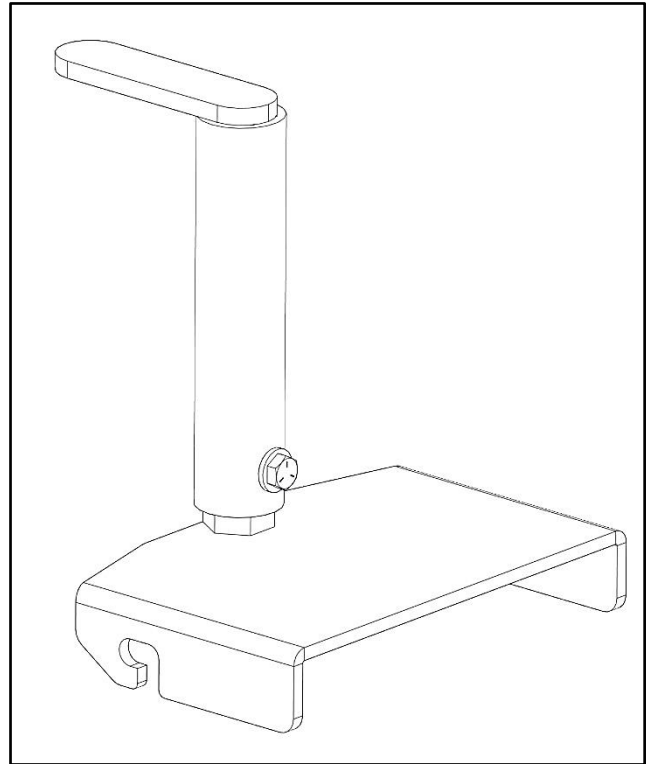
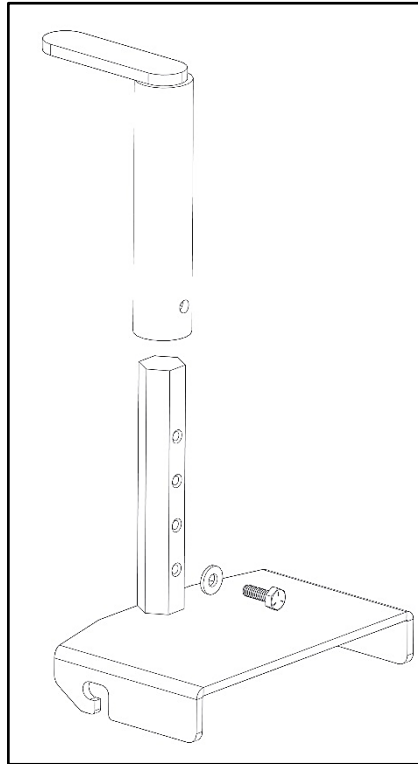


- In the rear bow, bolt in place using 3/8" x 1" hex head bolt, 3/4" lock washer and a 3/8" flat washer.
- TIGHTEN



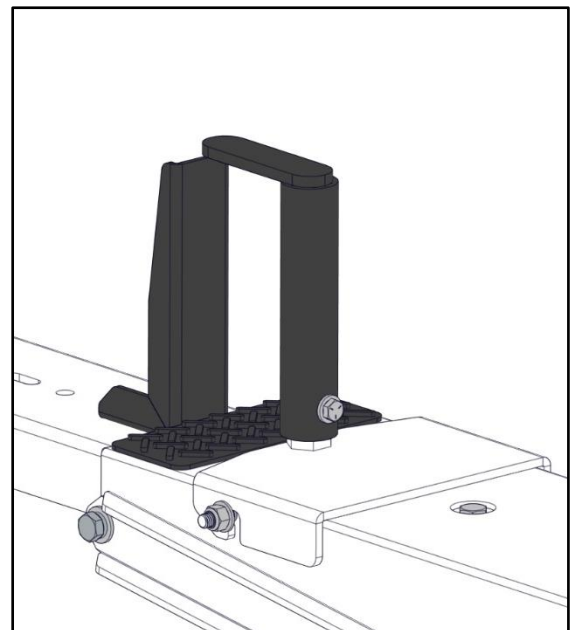
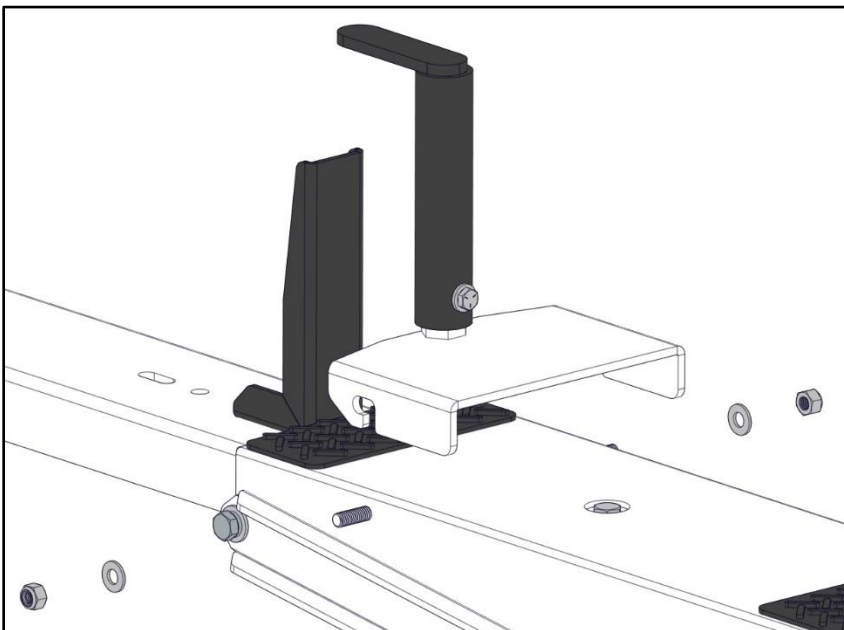
Step 9 – Assemble Ladder Hooks

- Bolt ladder hook ASM to ladder hook weldment as shown.
- Use 1/4" x 1" hex head and 1/4" flat washer. This can be adjusted later.
- TIGHTEN



Step 10 – Install Ladder Hooks

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



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

YOUR INSTALLATION IS NOW COMPLETE

