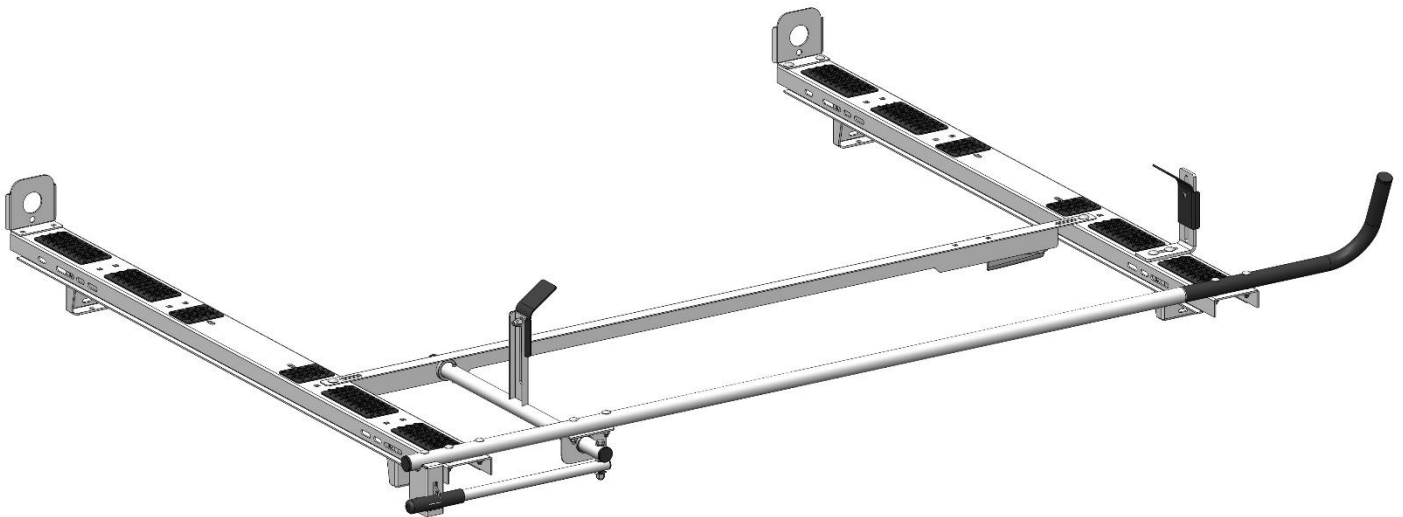




WE PUT EVERYTHING WITHIN REACH.

Instruction Guide

4A83L



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

9/16" Socket and Wrench	1/2" Socket and Wrench
-------------------------	------------------------

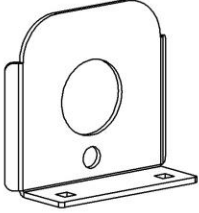
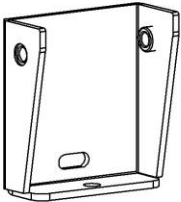
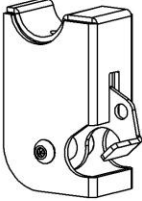
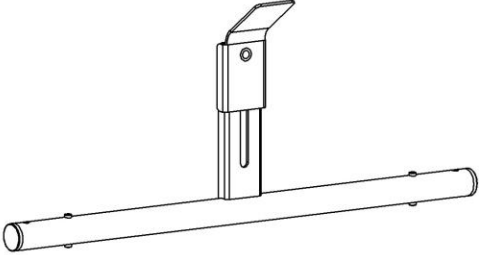
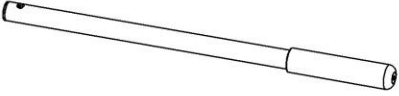
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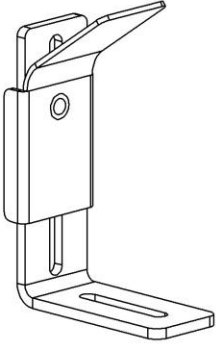
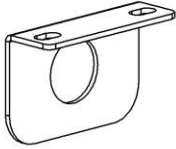
Before You Begin

- Read all instructions. Find your vehicle roof rail mounting prior to rack assembly.
- Most times it is easier to assemble the ladder rack on top of roof, after the mount kit has been installed.
- **DO NOT EXCEED MANUFACTURERS WEIGHT CAPACITY FOR ROOF.**
- **Be sure to adjust ladder clamps accordingly to secure ladder firmly to rack. To adjust, refer to Clamp and Lock adjustment guide.**

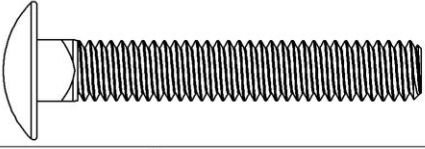
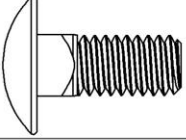
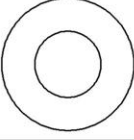
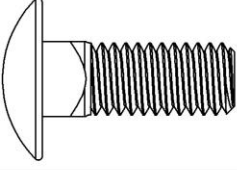
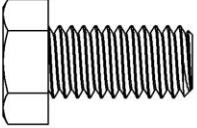
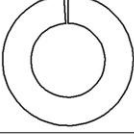
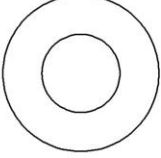
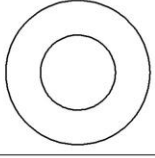
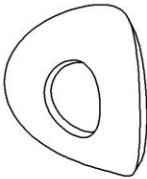
Parts List

ITEM NO.		PART NUMBER	DESCRIPTION	QTY.
A		4A800-11	CROSS BOW	2
B		40800-10-008-R2	END STOP	2
C		4A800-52-R	HOOK ASM	1
D		4A800-10	FOOT ASM	4
E		4A800-20	LATCH ASM	1
F		4A800-30	CLAMP TUBE	1
G		4A800-40	HANDLE	1

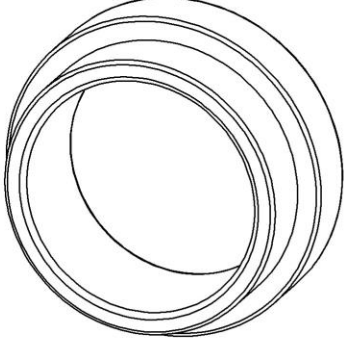
Parts (Continued)

ITEM NO.		PART NUMBER	DESCRIPTION	QTY.
H		4A800-60	LADDER STOP ASM	1
J		4A800-00-003-R3-R	CLAMP AND LOCK L BRACKET	1
K		11-03027	HANGAR	1
L		4A800-51	SIDE TUBE ASSEMBLY	1
		18-4A83L-A	HARDWARE	1

Hardware (18-4A83L-A)

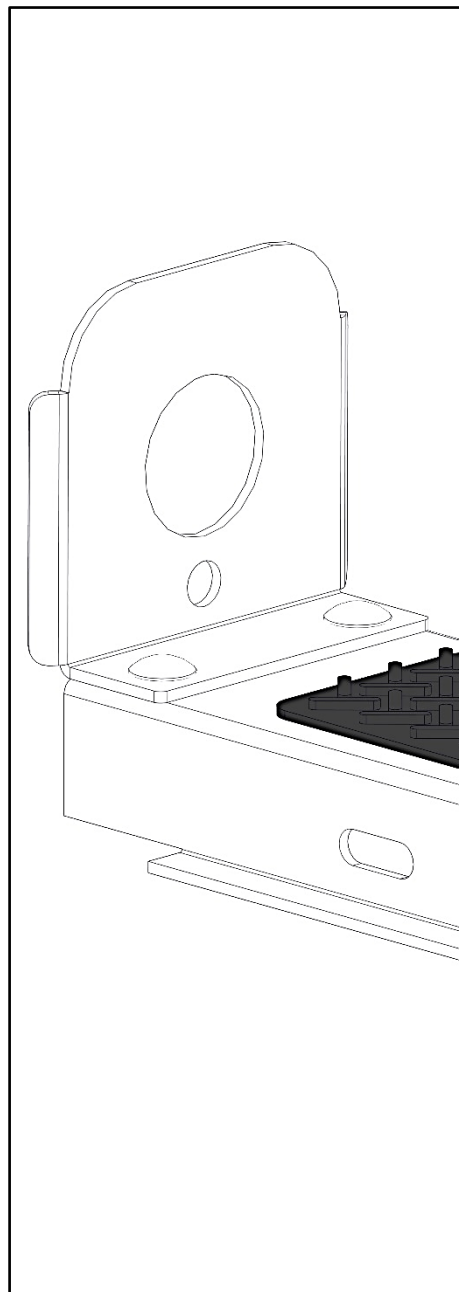
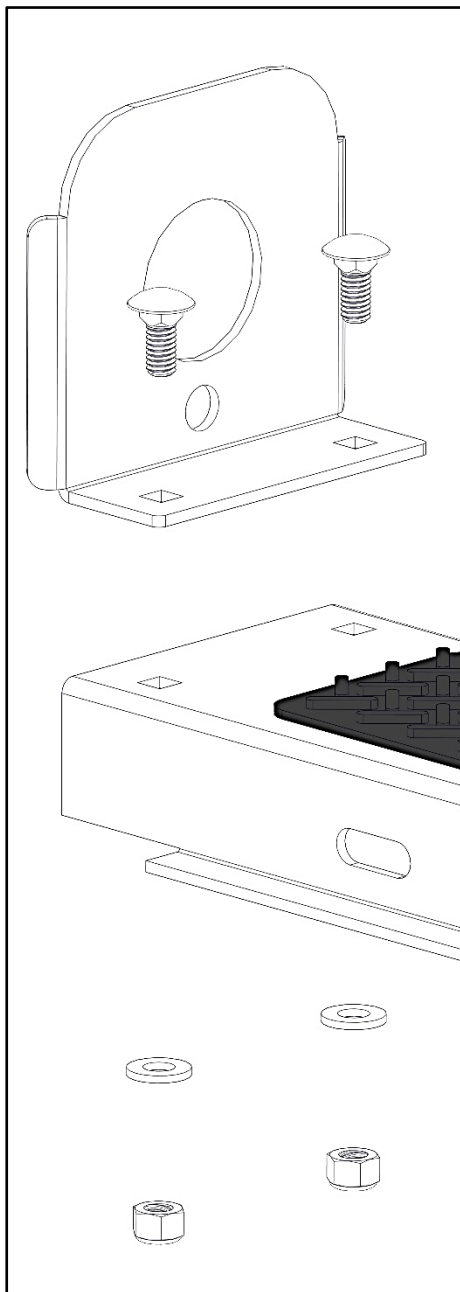
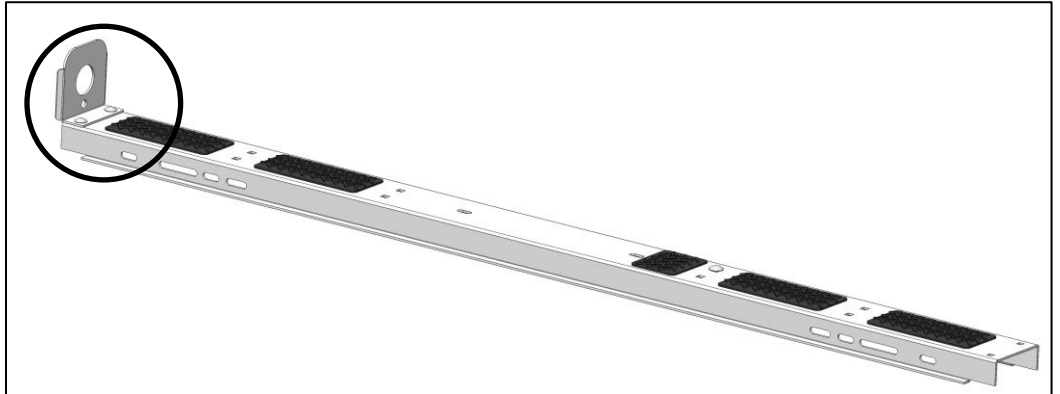
ITEM NO.	TO SCALE	PART NUMBER	DESCRIPTION	QTY.
1		90185A591	5/16"-18 x 2" Carriage Bolt	7
2		90185A581	5/16"-18 x 3/4" Carriage Bolt	4
3		90126A030	5/16" Flat Washer	11
4		95615A160	5/16"-18 Nyloc	11
5		91247A636	3/8"-16 x 3" Hex Head	1
6		90185A624	3/8"-16 x 1" Carriage Bolt	4
7		92240A622	3/8"-16 x 3/4" HH	8
8		92146A031	3/8" Split Lock Washer	8
9		90126A031	3/8" Flat Washer	13
10		90295A170	3/8" Nylon Washer	1
11		91844A370	3/8" Curved Washer	1

Hardware (18-4A83L-A) Continued

ITEM NO.	TO SCALE	PART NUMBER	DESCRIPTION	QTY.
12		95615A140	3/8"-16 Nyloc	5
13		11-03013	Nylon Bushing	2
		BH-821	Sealant	1

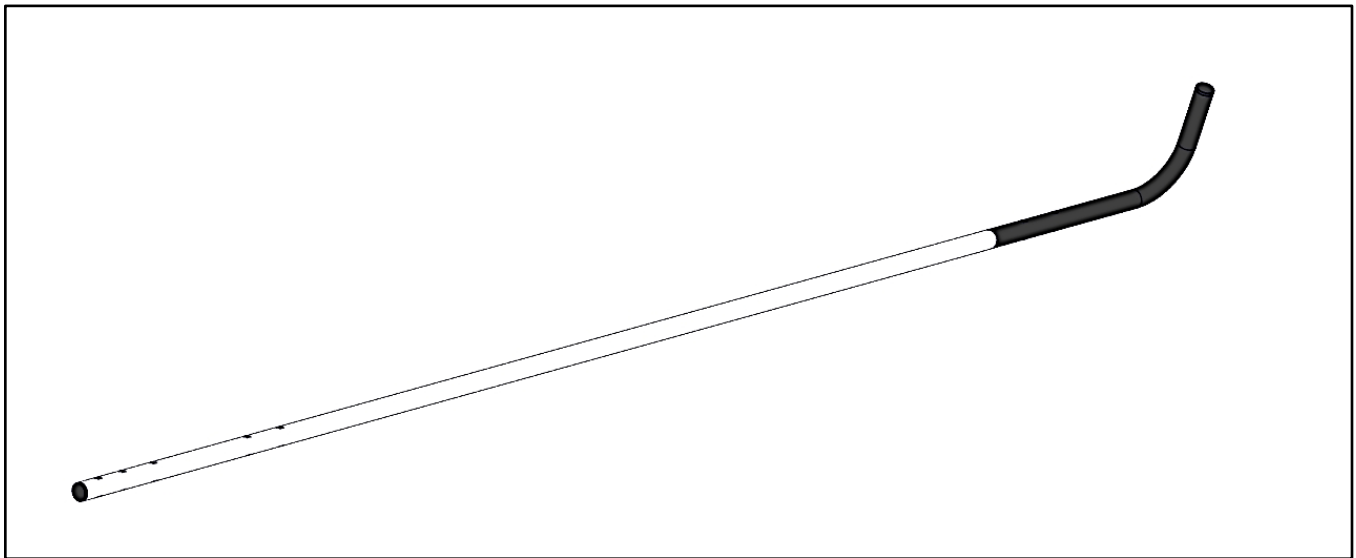
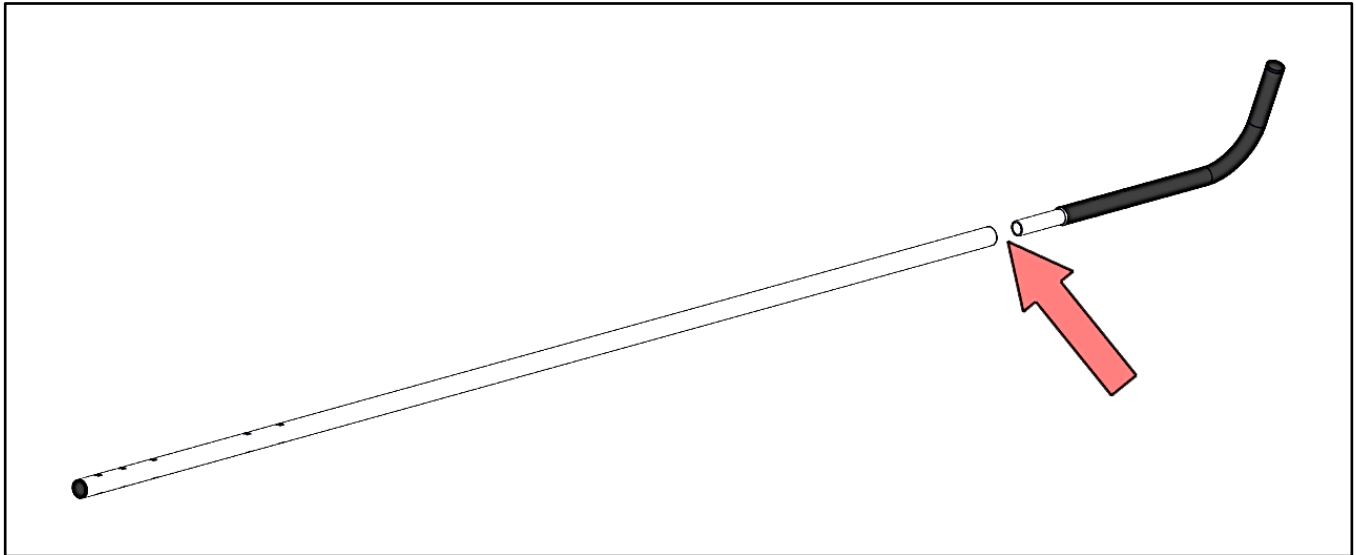
Step 1 – End Stops

- Using two 5/16" x 3/4" carriage bolts, two 5/16" washers, and two 5/16" lock nuts, bolt end stop to one end of each bow.
- TIGHTEN.
- Skip installing end stops if adding 4A81L.



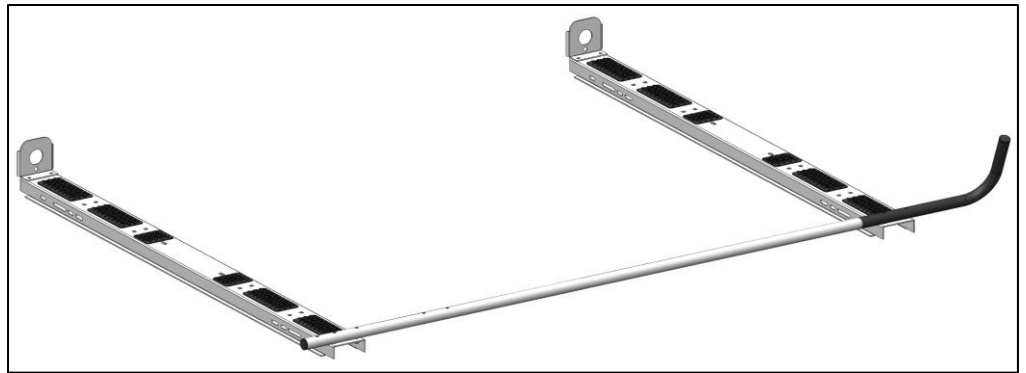
Step 2 – Assemble Side Tube

- Assemble side tube. Place sealant at joint.
- Proceed to next step while sealant is still workable.

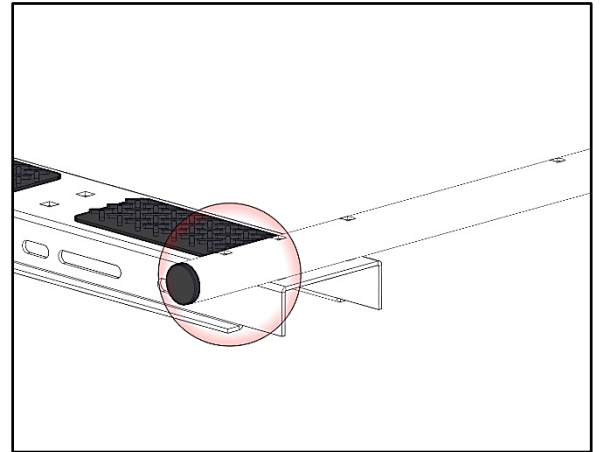


Step 3 – Mount Side Tube

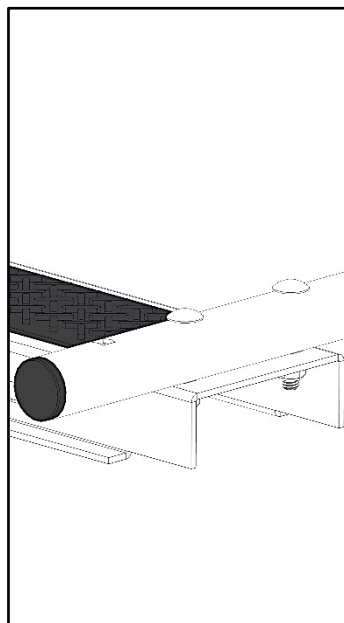
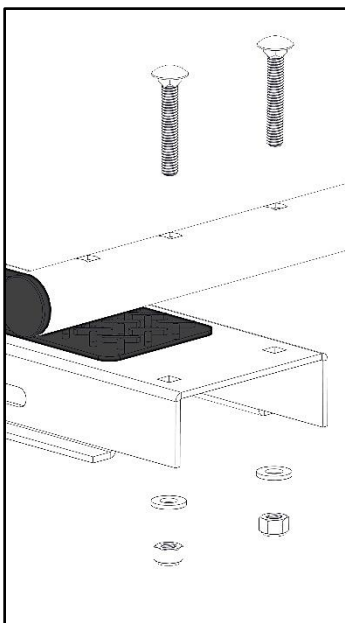
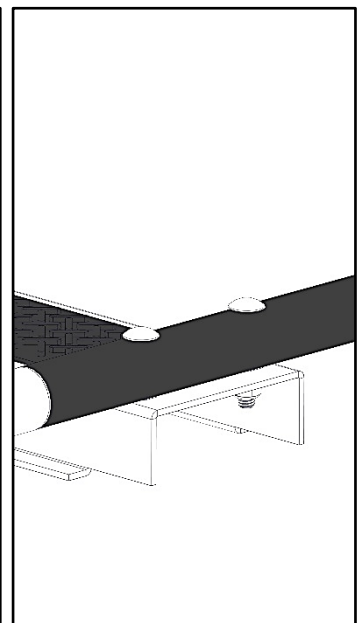
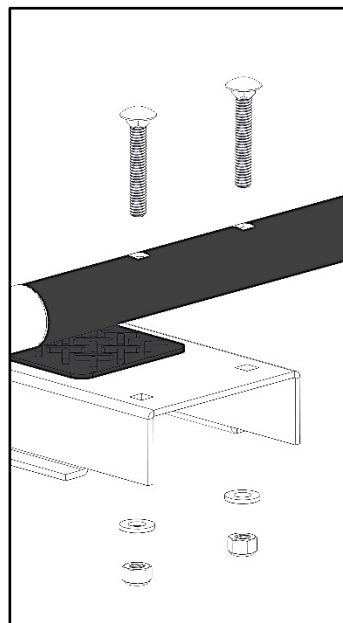
- Place side tube assembly on top of bows.
- Have the bend towards the front and to the outside of the vehicle as shown.
- In some applications, it is easier to assemble rack on top of vehicle.



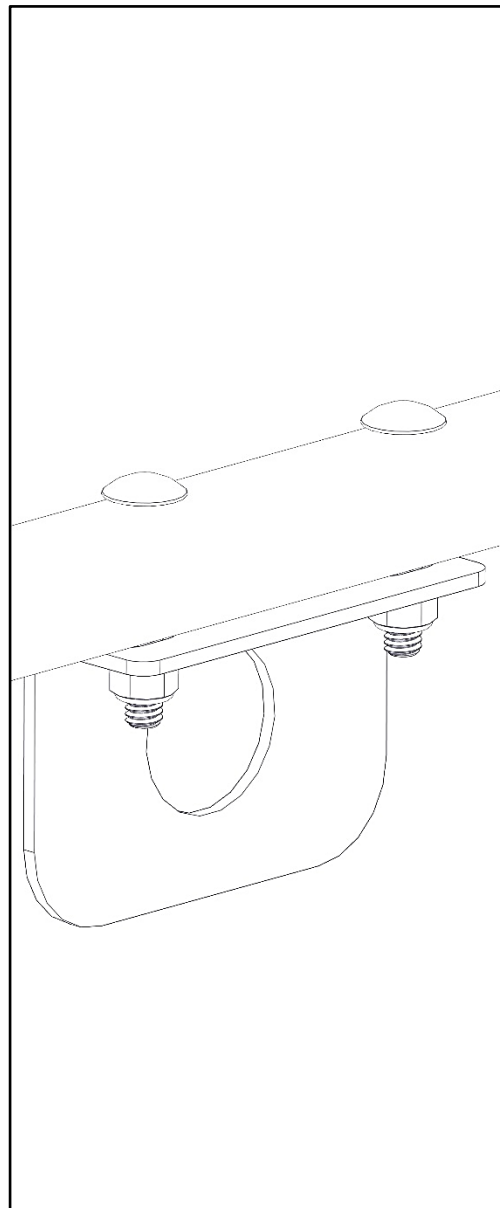
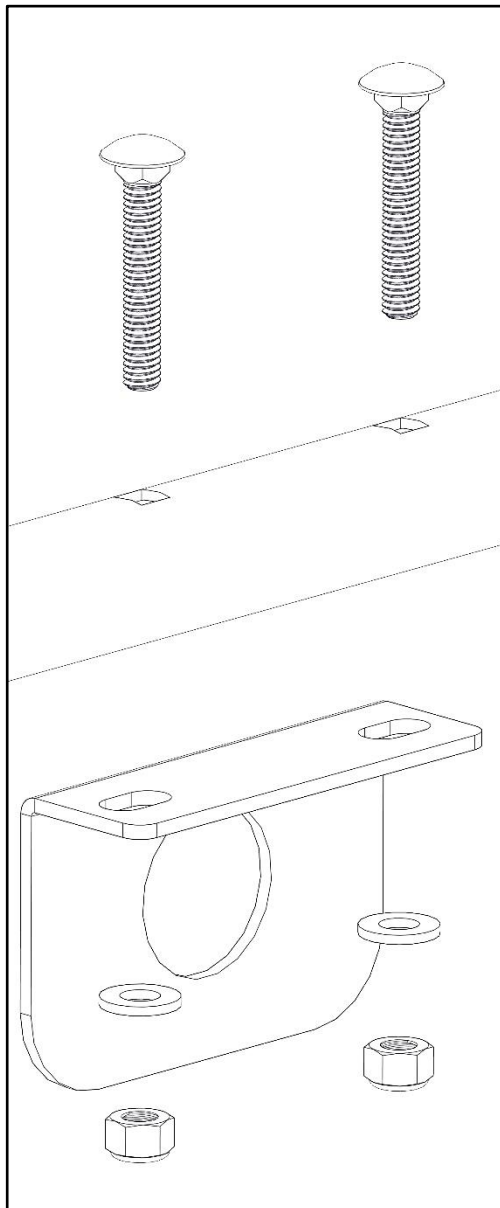
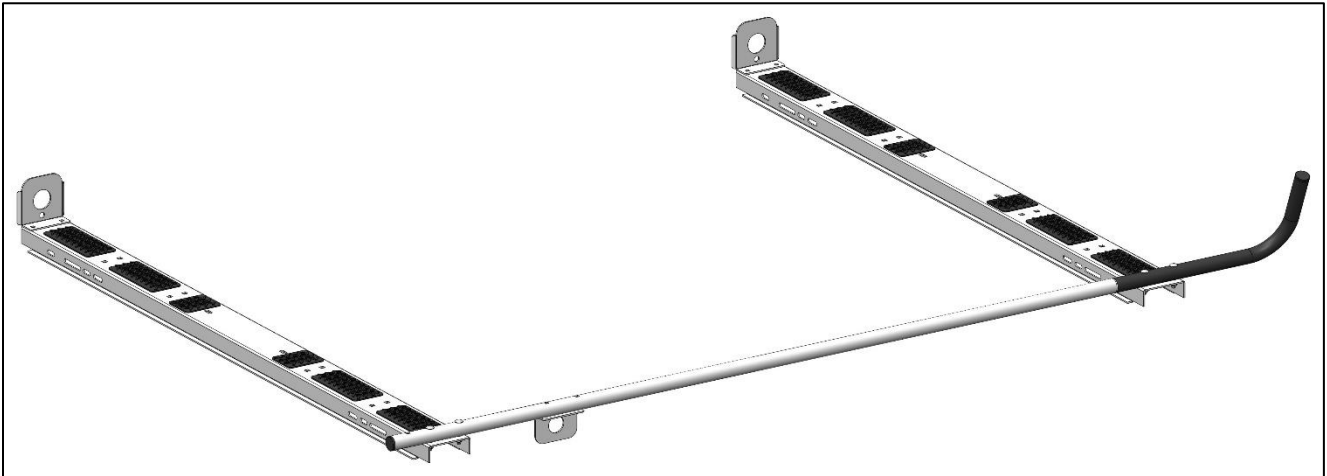
- Leave one square slot open at the rear of the tube.



- At both the rear and front locations, using two 5/16" x 2" carriage bolts, two 5/16" flat washers, and two 5/16" lock nuts, attach side tube assembly to the bows.
- Snug tighten, but allow movement.

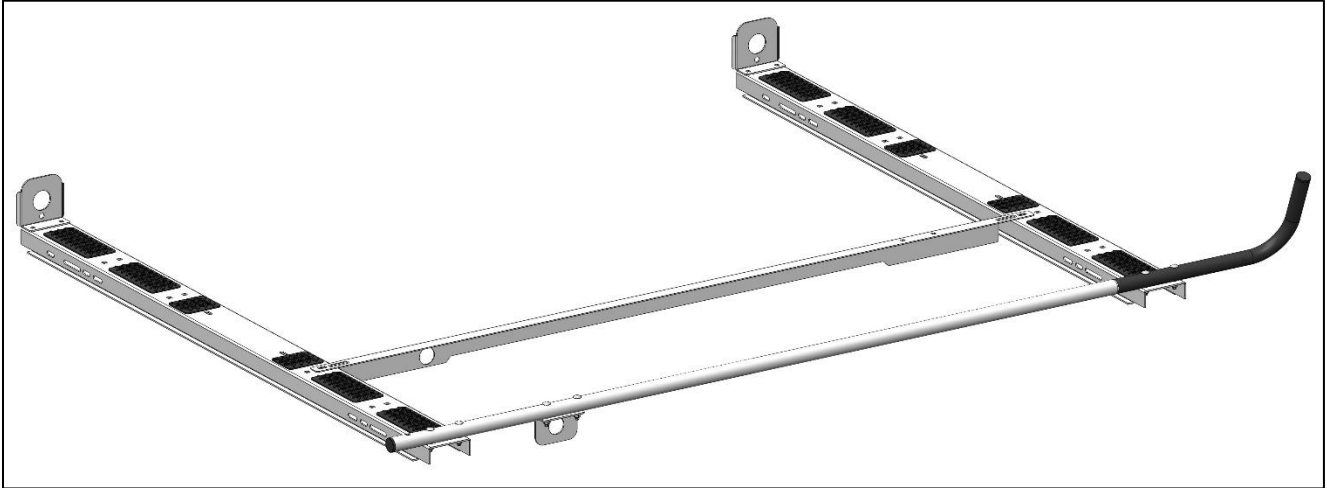
Rear**Front**

- Using two 5/16" x 2" carriage bolts, two 5/16" washers, and two 5/16" lock nuts, install hangar bracket as shown blow. Be sure to have the bracket flange towards the inside of the bows.

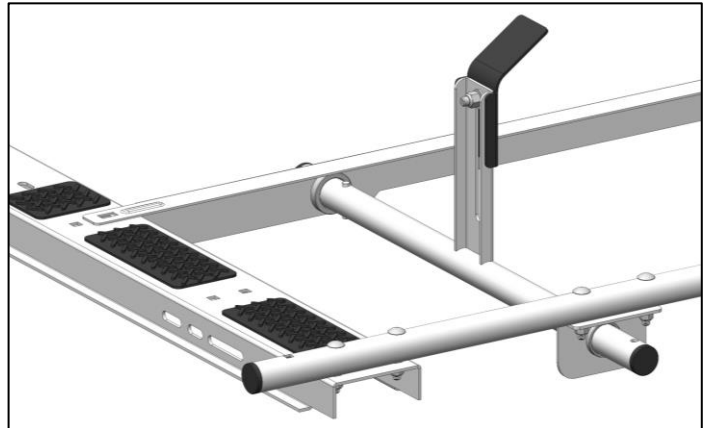
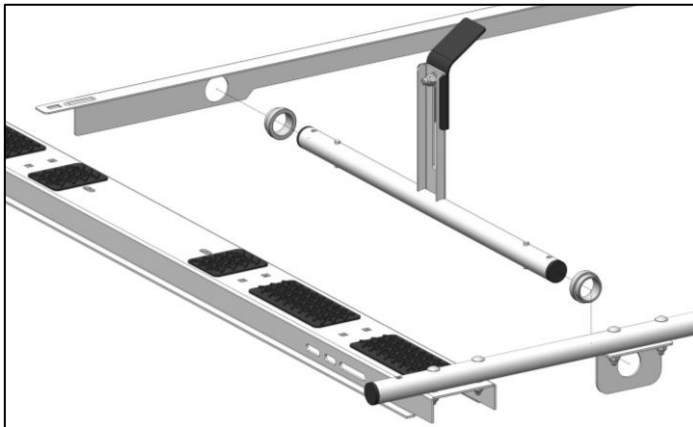


Step 4 – Mount Clamp Tube

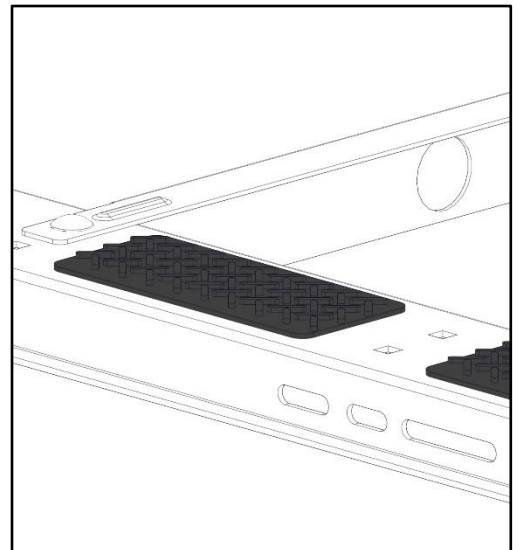
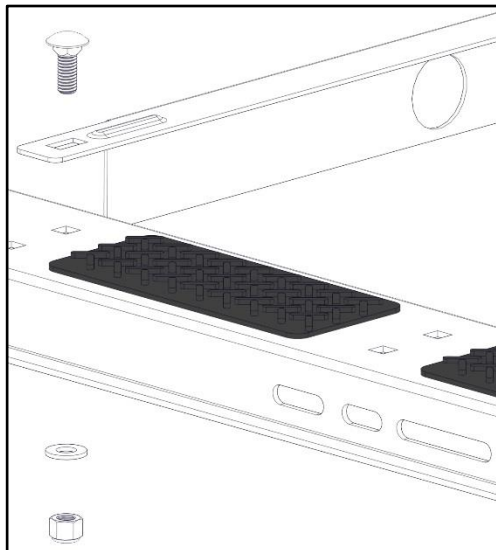
- Place “L” bracket on top of installed bows.
- Insert plastic bushings into the clamp and lock L bracket and the hangar bracket installed in Step 3, with flanges toward each other and to the inside as shown.
- Be sure to install the bushings in an orientation so they **CANNOT** fall out.



- Insert clamp tube into both plastic bushings.

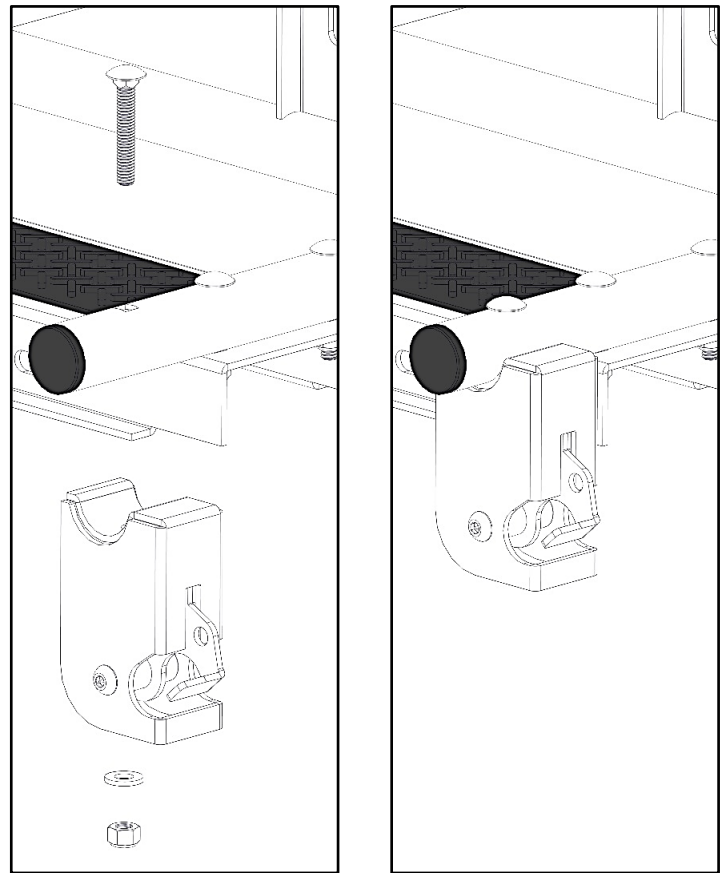


- Bolt clamp and lock L bracket to bows using 3/8" x 1" carriage bolt, 3/8" flat washer and a 3/8" lock nut as shown.
- Repeat on both bows.
- TIGHTEN.



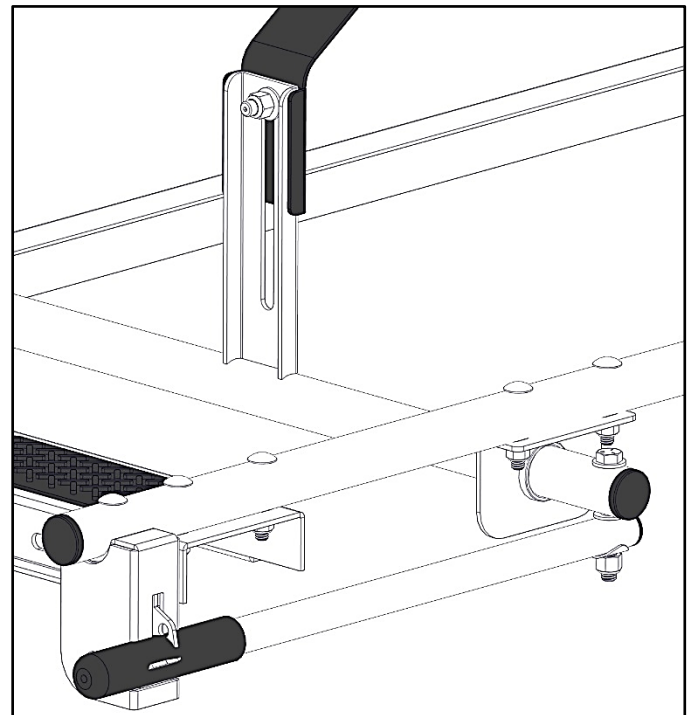
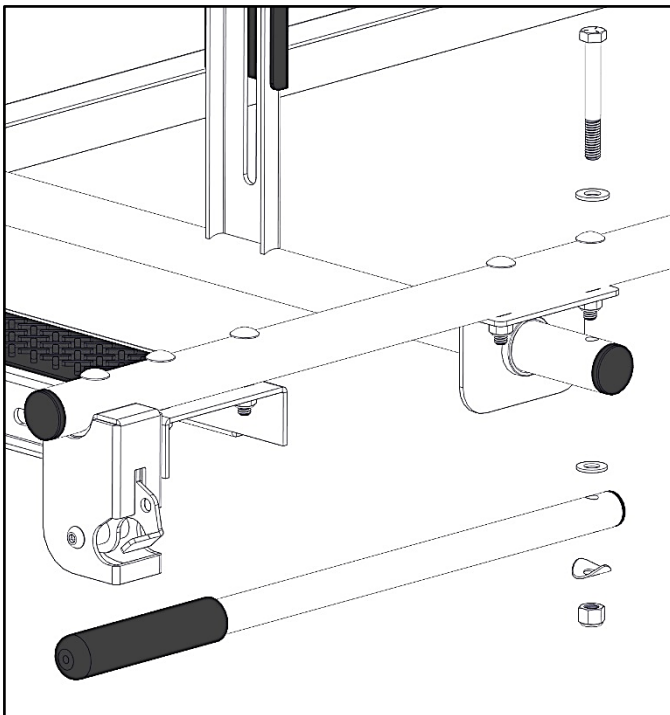
Step 5 – Mount Latch Assembly

- Using one 5/16" x 2" carriage bolt, one 5/16" flat washer, and one 5/16" lock nut, bolt latch to the rear of the mount tube that was installed in Step 3.
- TIGHTEN.



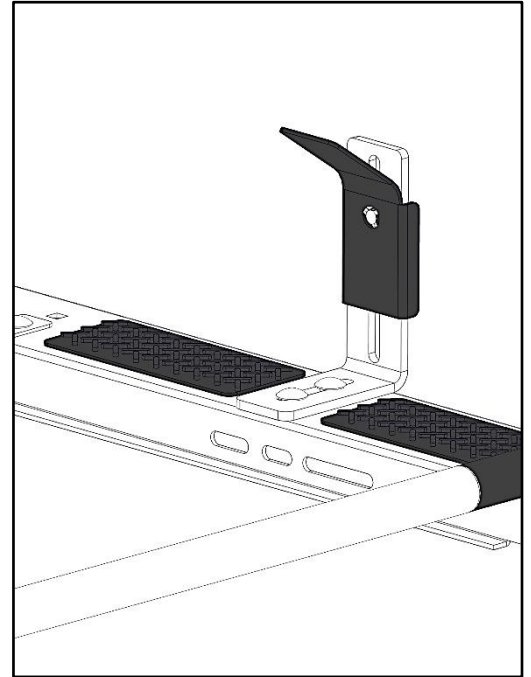
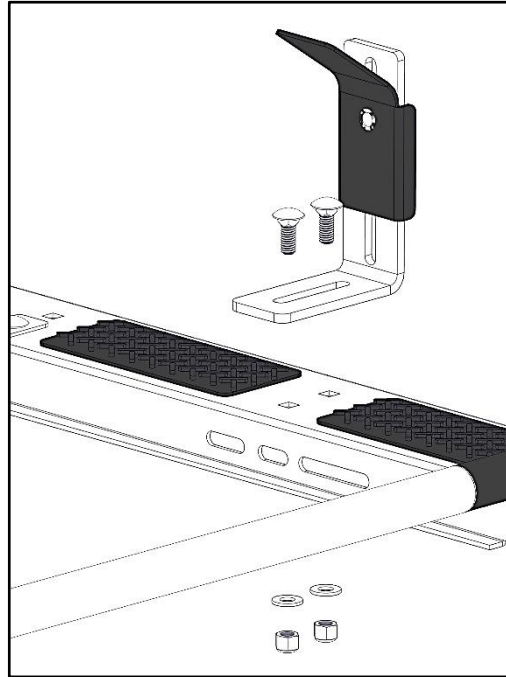
Step 6 – Mount Handle

- Bolt handle to clamp tube using a 3/8" x 3" hex head, a 3/8" flat washer, a 3/8" nylon washer, a 3/8" curved washer, and 3/8" a lock nut. The nylon washer goes in between the clamp tube and handle. The curved washer goes between the handle and the lock nut as shown.
- TIGHTEN.



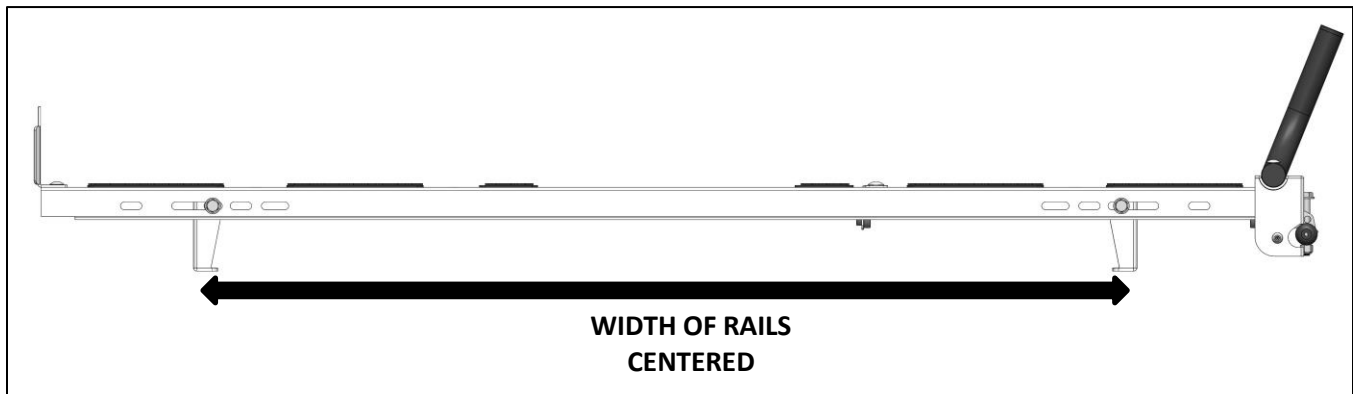
Step 7 – Mount Ladder Hook Bracket to Bow

- Using two 3/8" x 1" carriage bolts, two 3/8" flat washers, and two 3/8" lock nuts, bolt ladder hook bracket to the bow in the orientation shown. Be sure the bracket is square to the bow.
- Adjust clamp on bracket to fit firmly against your ladder.
- TIGHTEN.

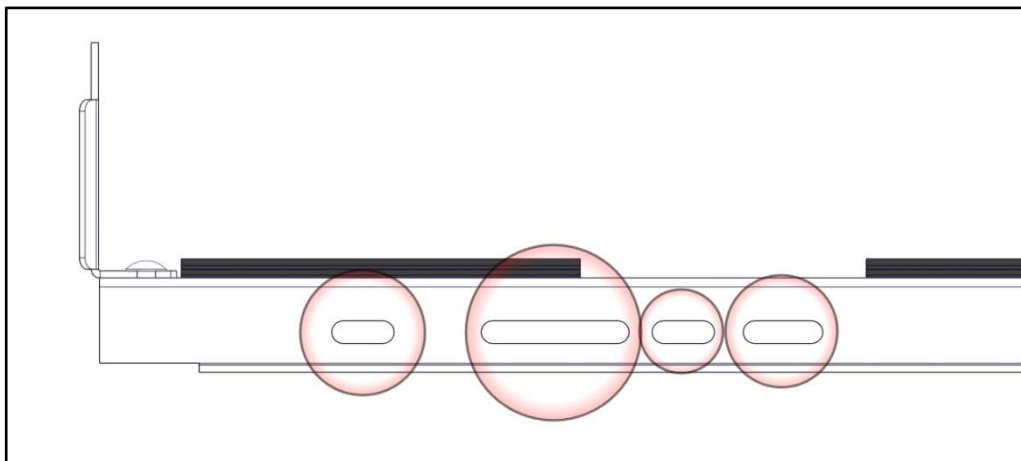


Step 8 – Install Feet

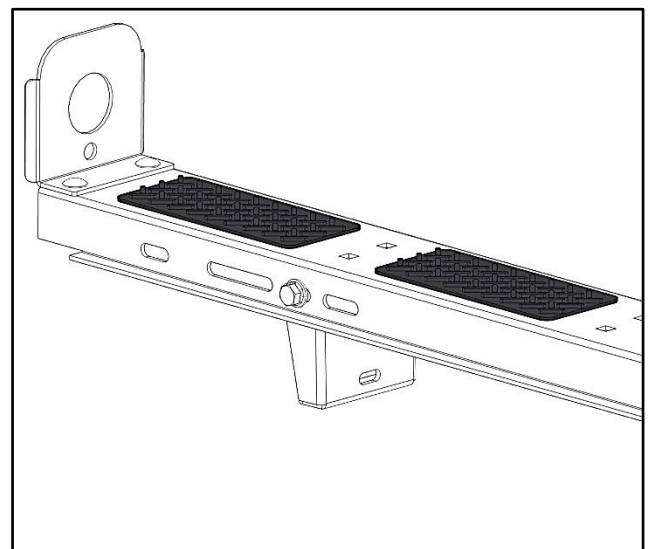
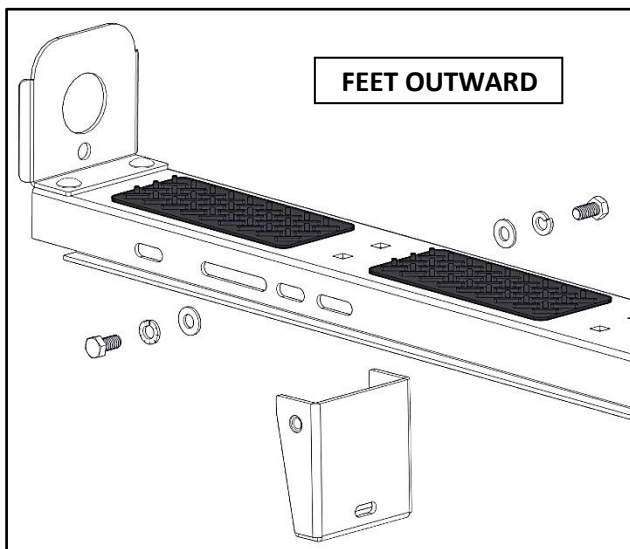
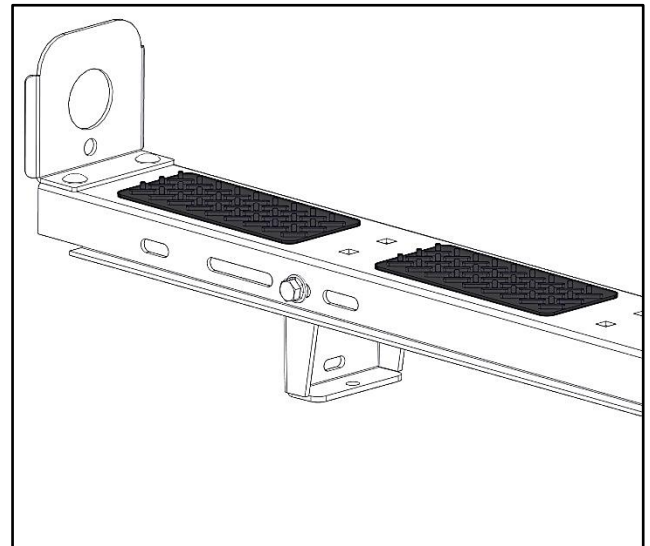
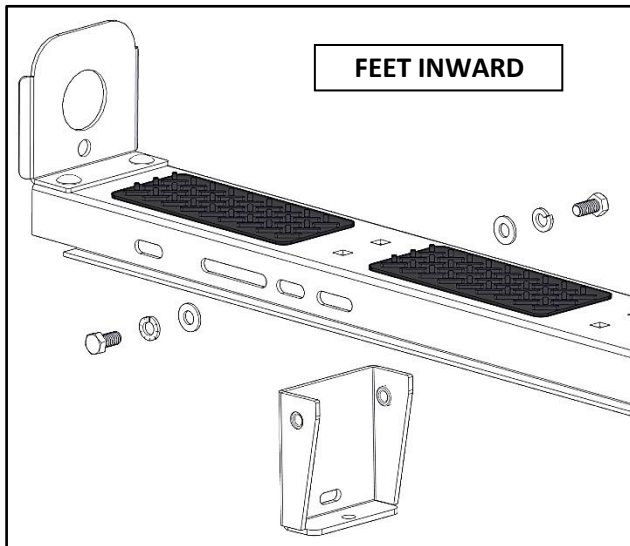
- Measure width between mounting locations.



- On the cross bows, use the slots that correspond to the measured distance between rails.



- Using two 3/8" x 3/4" hex head bolts, two 3/8" lock washers and two 3/8" flat washers, bolt foot to crossmember.
- Feet can be installed facing inward or facing outward, depending on the roof mounting.
- Bolt feet to bows in either orientation, as shown below. DO NOT TIGHTEN at this point.
- Snug tighten, but allow movement.



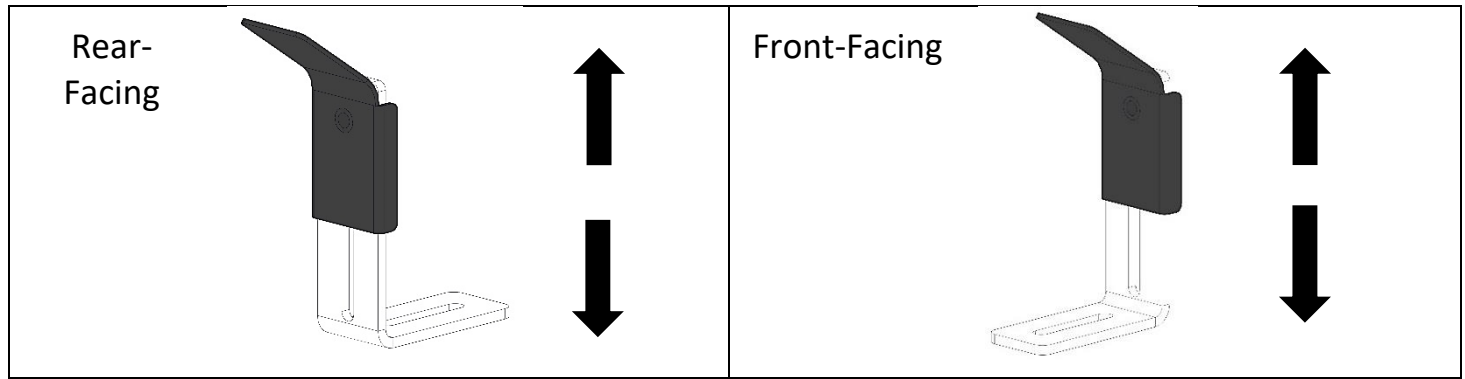
- Refer to the Clamp and Lock Adjustment instructions to adjust the rack to your ladder.

GO BACK AND ENSURE ALL HARDWARE IS TIGHT.

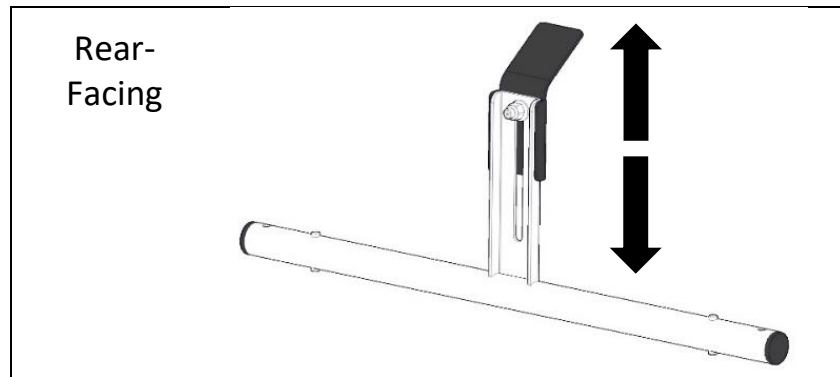
Your installation is now complete.

BE SURE LADDER IS SECURE PRIOR TO TRANSPORTATION.

Angle Pad Orientations and Locations

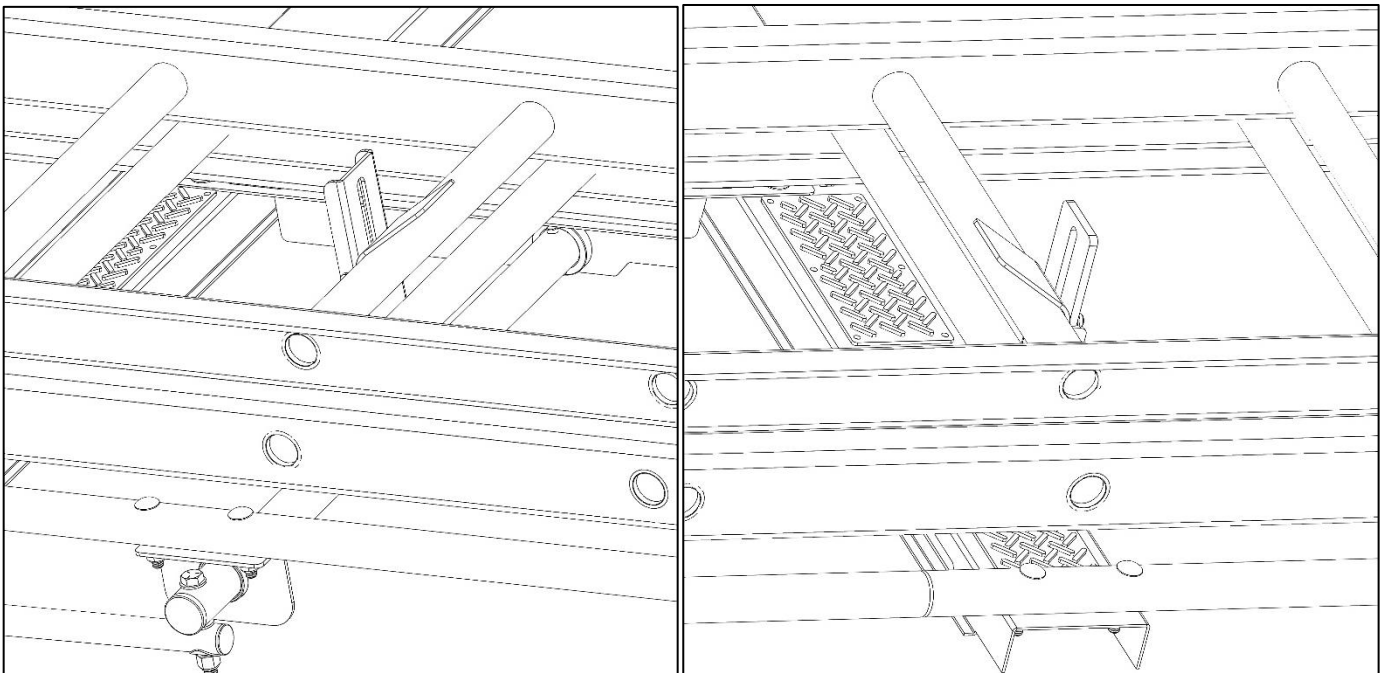


Clamp Mechanism Orientation and Angled Pad Positions



Examples of Ladder Clamps Firmly Against Ladder Rungs

- The ladder hook should be positioned in a way so the hook clamps the ladder tight into place. A tight fit ensures the ladder cannot fall off the rack.



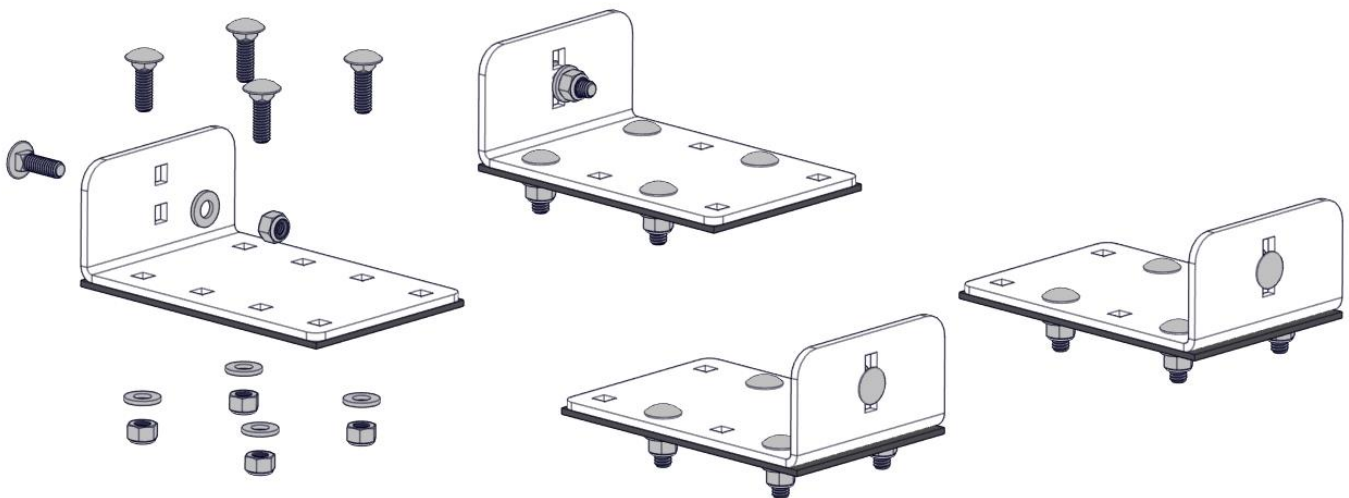
****BE SURE THE LADDER HOOKS ARE FIRMLY AGAINST THE LADDER STEPS OR RUNGS****



WE PUT EVERYTHING WITHIN REACH.

Installation Guide

408SC



***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

.340" Drill	1/2" Socket and Wrench

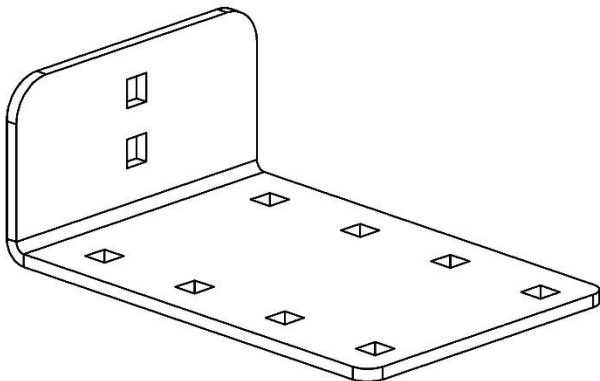
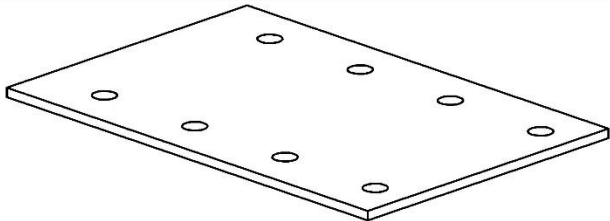
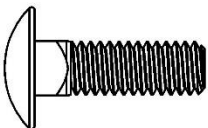
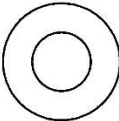
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Before You Begin

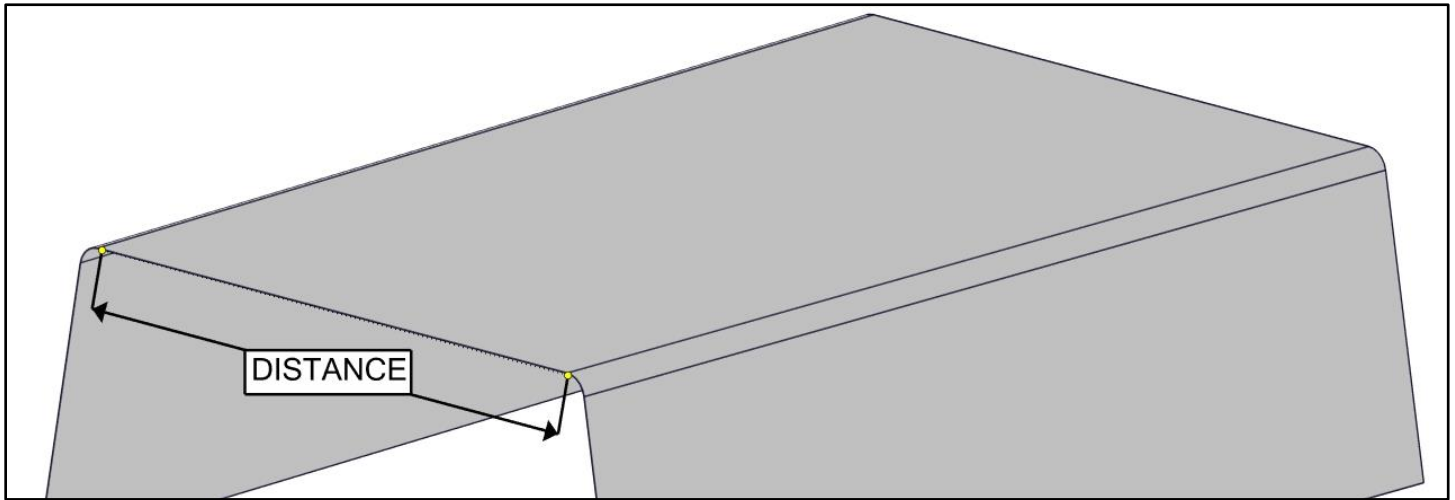
- Read all instructions.
 - Have desired ladder rack ready to be installed.
 - Do NOT exceed manufacturers weight capacity.
-

Parts/Hardware

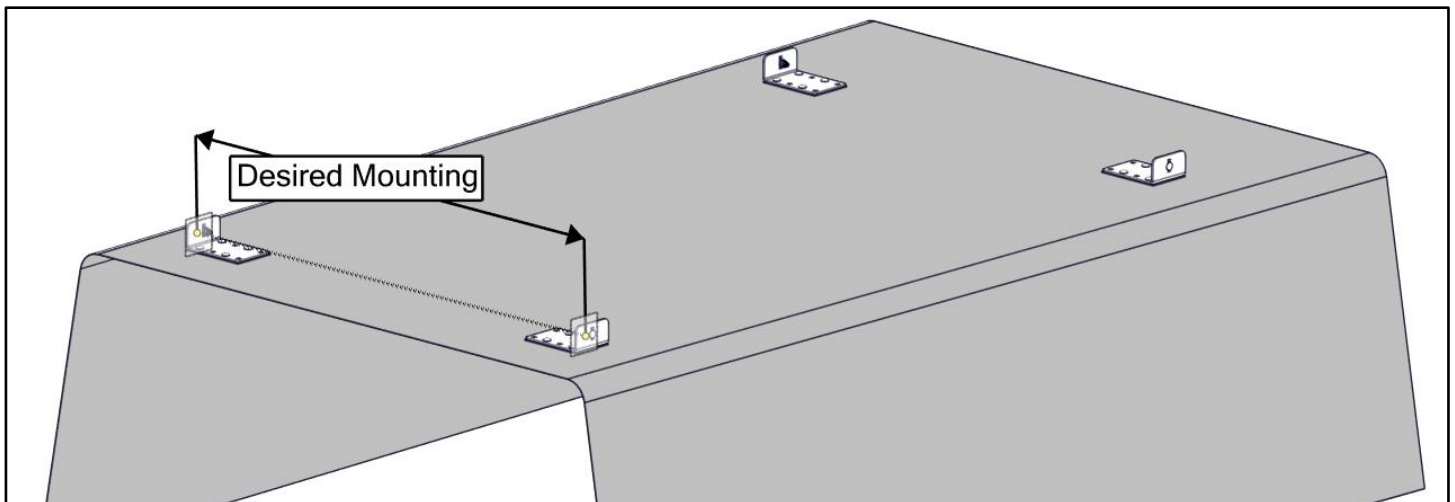
ITEM NO.		PART NUMBER	DESCRIPTION	QTY.
1		4ADCU-00-001	MOUNT BRACKET, DCU, CAP	4
2		4ADCU-00-002	DCU-CAP-Rubber Pad	4
3		90185A583	5/16-18 x 1 Carriage Bolt	20
4		96659A107	5/16 Flat Washer	20
5		95615A160	5/16-18 Nyloc Nut	20
		BH-821	SEALANT	1

Step 1 – Foot Attachment

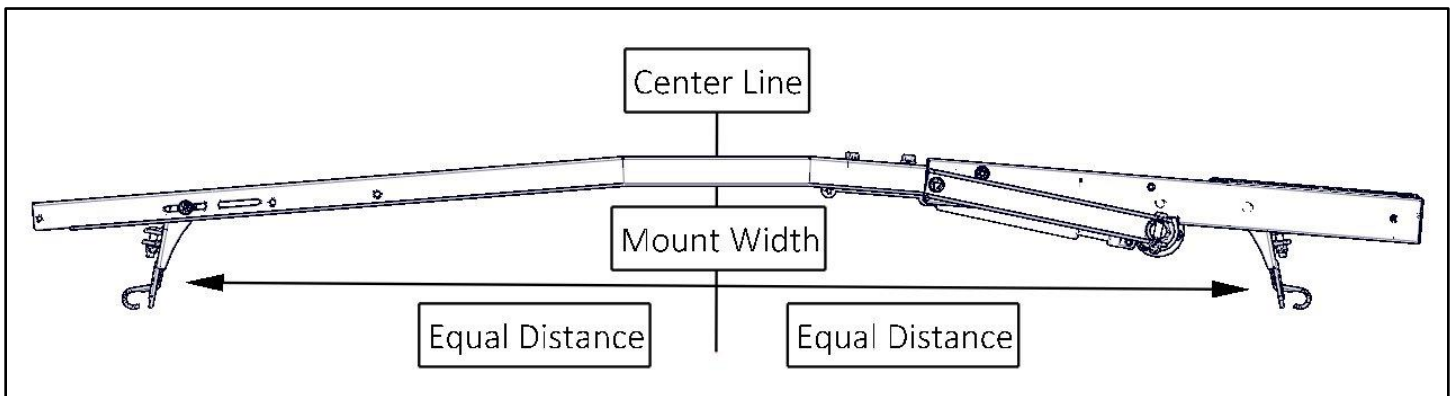
- Measure the approximate width of the flat section of the roof on the top of the shell.



- Determine best mount locations on top of the shell and measure distance between the desired mounting locations.



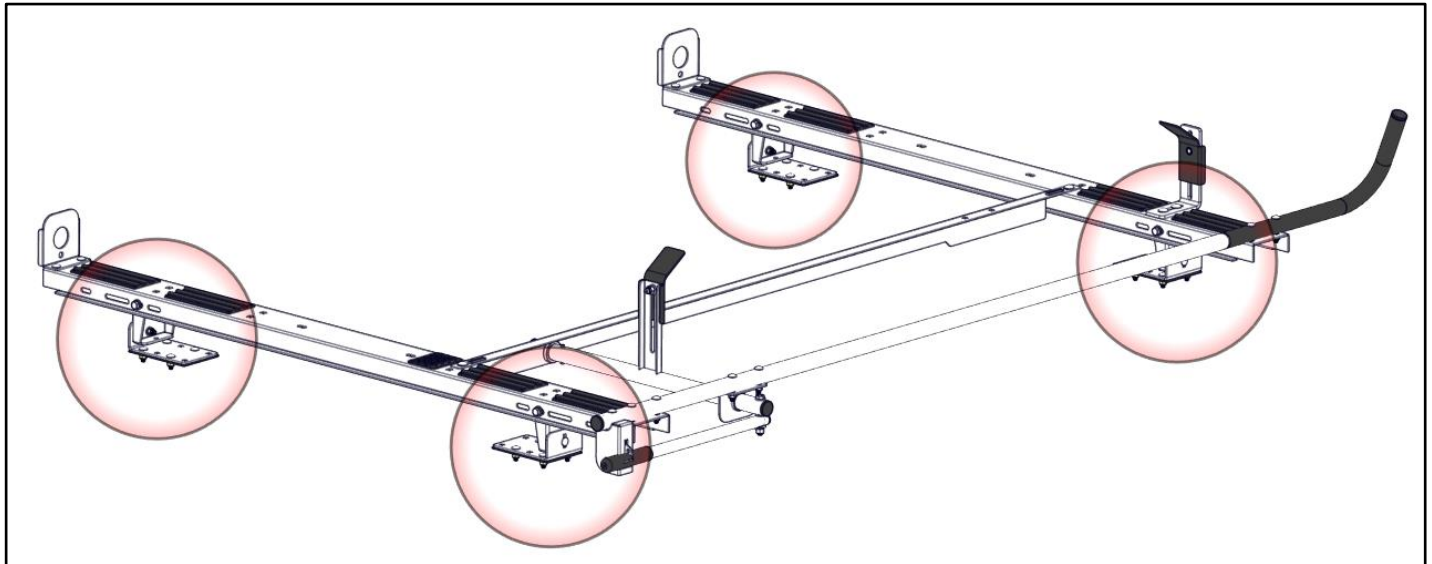
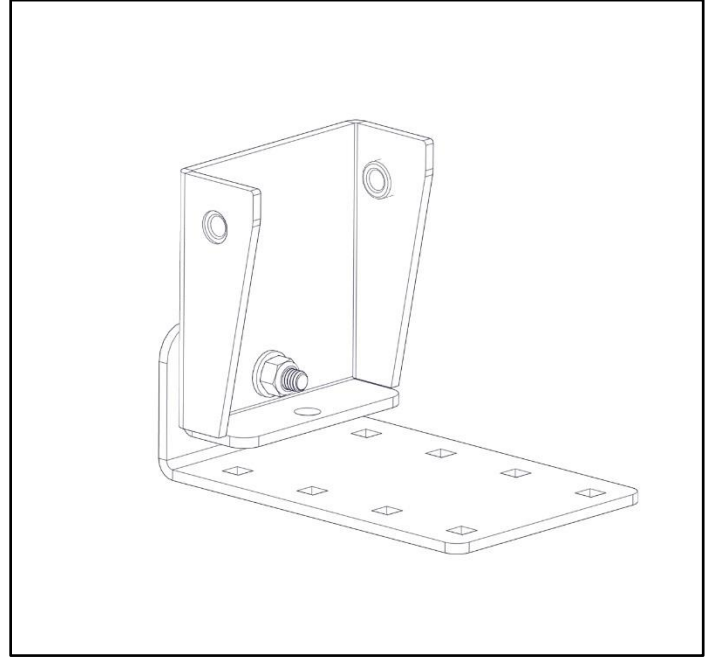
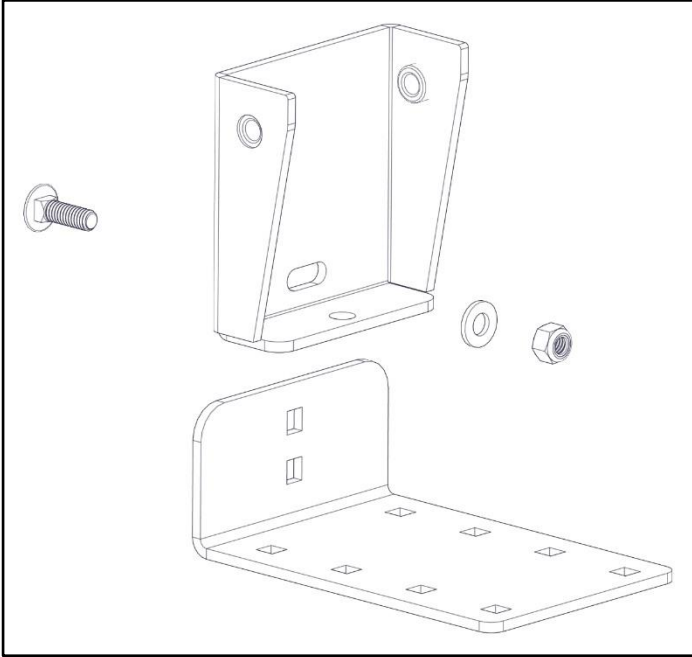
- At the width desired, find the corresponding slots on the ladder rack cross bow and attach mounting feet as shown.



- Be sure there is an equal distance from the center of the cross bow to each foot.
- Leave feet loose until you set the assembly onto the vehicle.

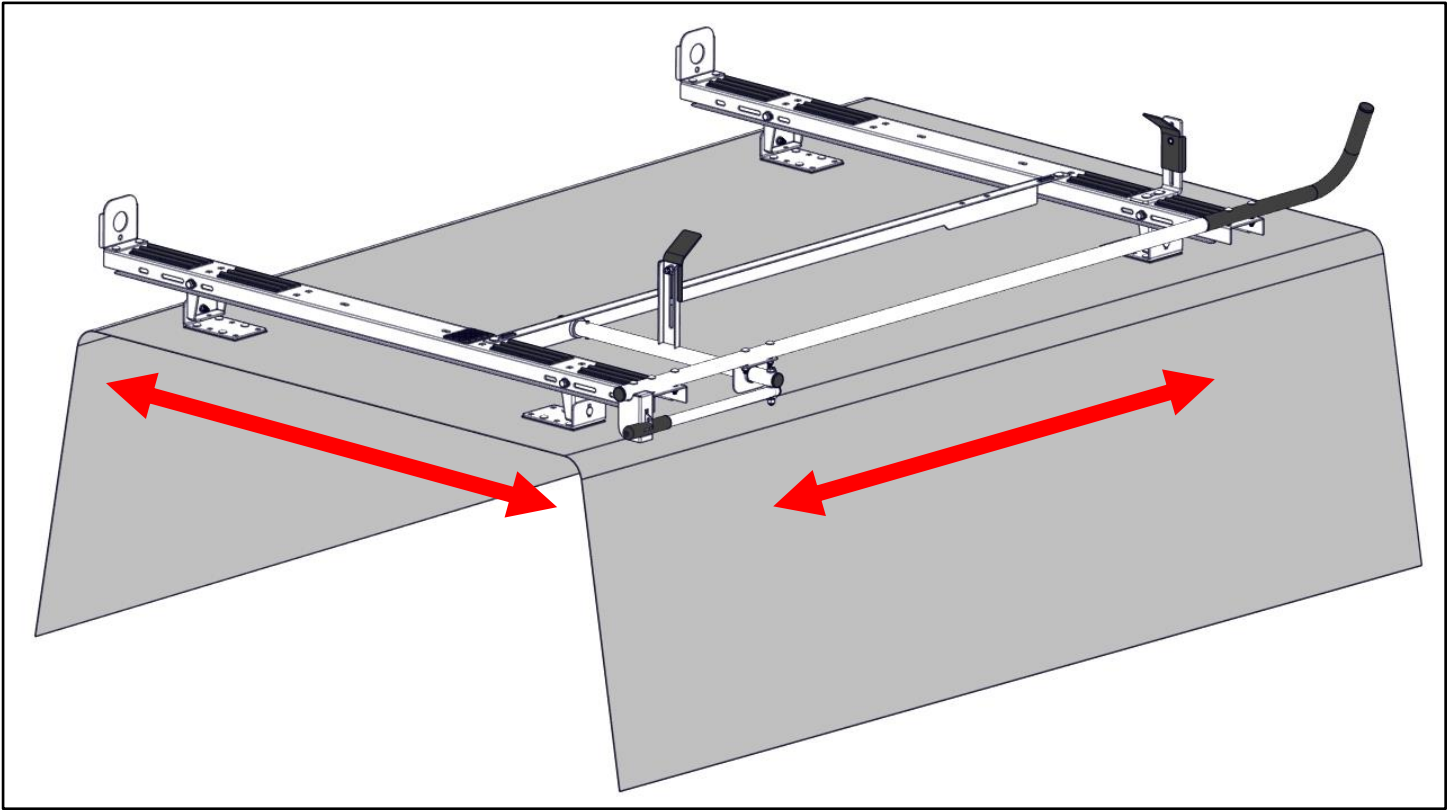
Step 2 – Attach Mounts to Feet

- Attach feet on ladder rack to the mounting brackets from the 408SC kit using 5/16" x 1" carriage bolts, 5/16" flat washers and 5/16" nyloc nuts.
- Repeat at all four mount feet.
- Do NOT tighten. These will be removed in future steps.

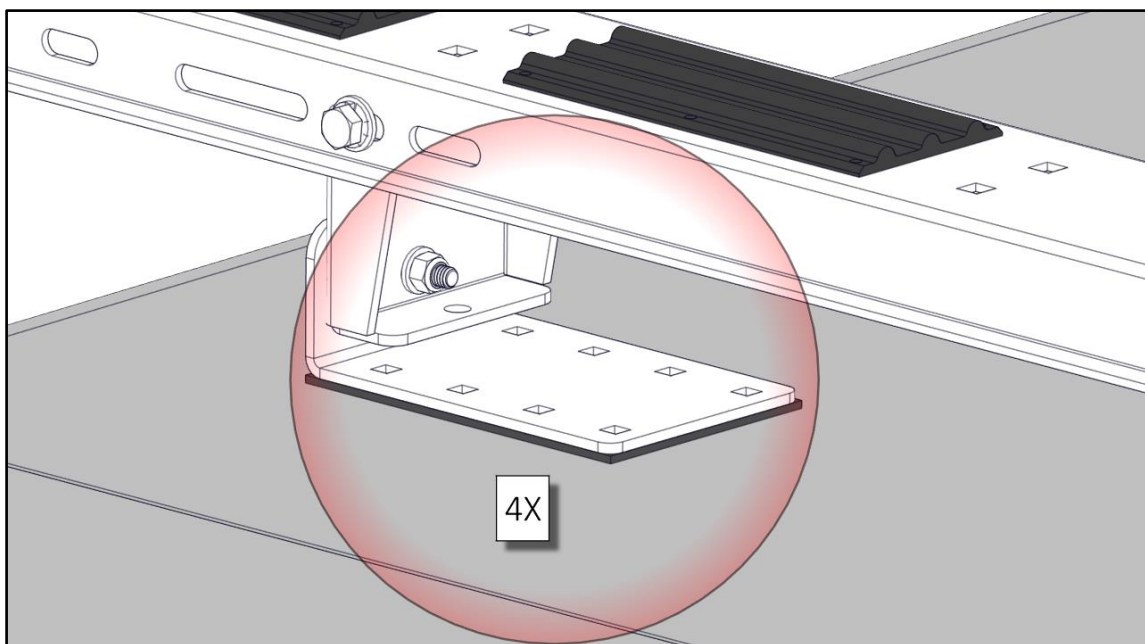


Step 3 – Place Rack on Shell

- Place rack on top of shell. Position rack to your liking. Be sure the rack is off-set far enough to the rear that one will not hit the shell when loading and unloading a ladder.
- Be sure the handle can be rotated without hitting the side of the shell.



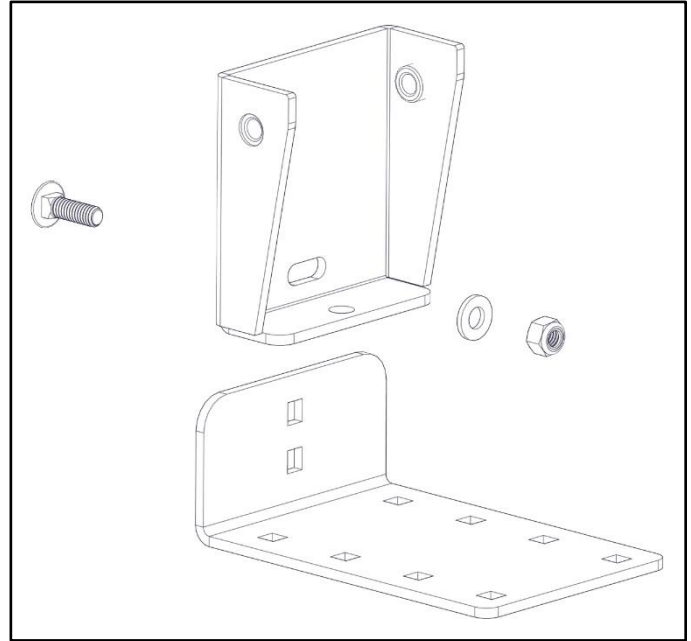
- Mark four locations at each foot mount location onto the top of the shell.



Step 4 – Remove Rack and Drill

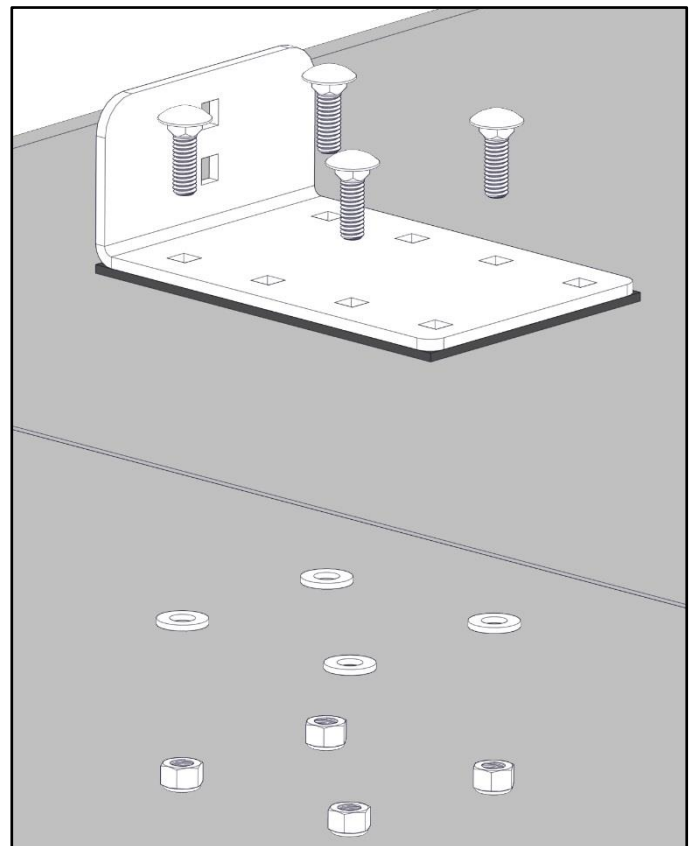
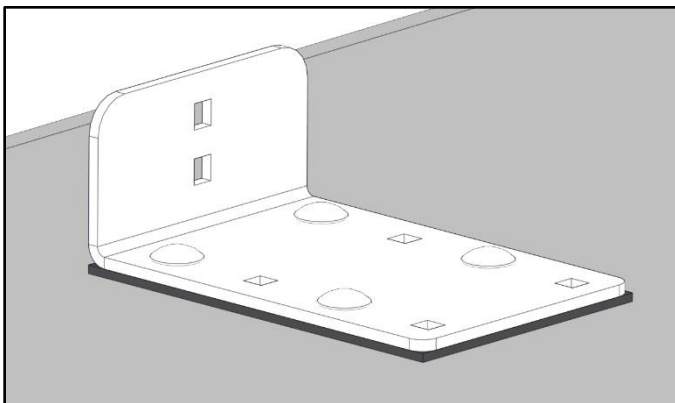
- Remove rack with feet and mounts from the top of the shell.
- Drill in previously marked holes using a .340" bit.
- Ensure safety when drilling.

- Remove rack and feet from the feet mounts.



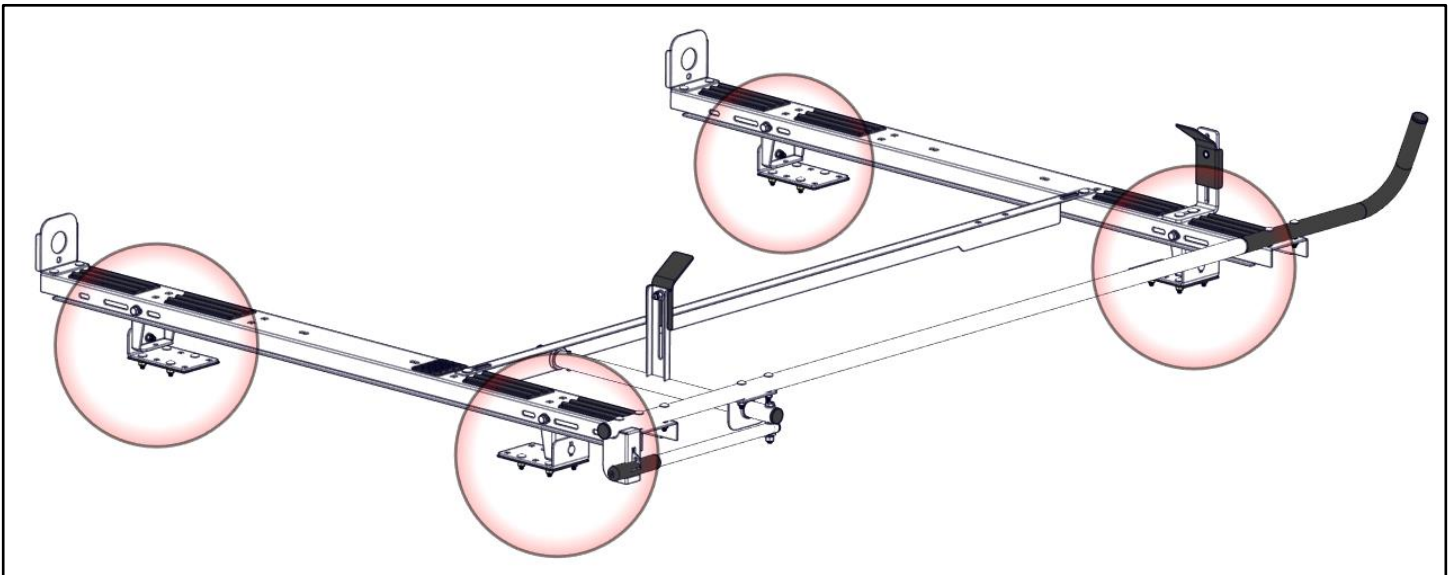
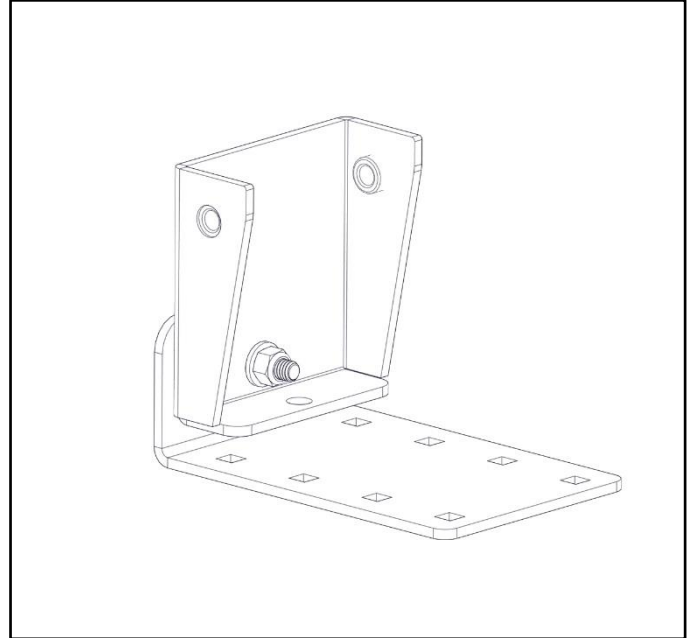
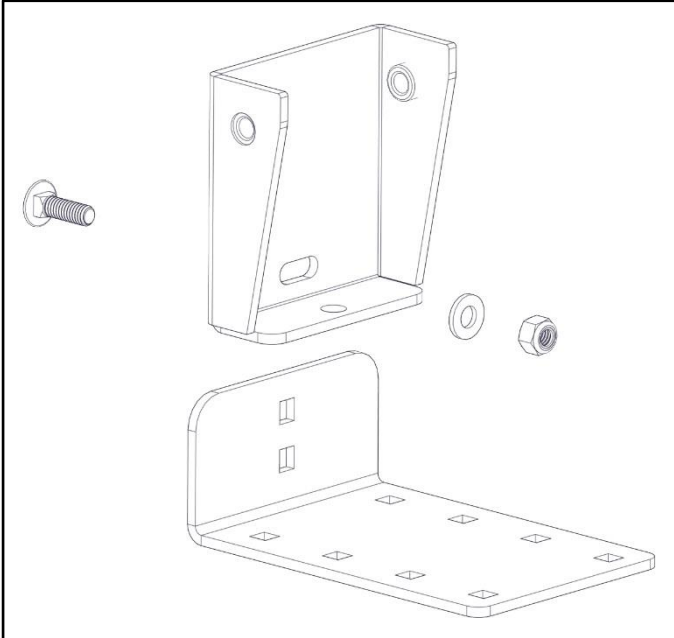
Step 5 – Mount Feet Mounts

- Mount feet mounts to the shell through the previously drilled holes using 5/16" x 1" carriage bolts, 5/16" flat washers and 5/16" nyloc nuts.
- Be sure rubber pad is between shell and mount bracket. Apply a generous amount of sealant around the holes drilled in the shell.
- Place sealant around hardware to ensure no water and leak into shell.
- Snug Tighten, but allow movement.



Step 6 – Mount Rack

- Place rack on top of previously installed feet mounts.
- Attach feet on ladder rack to the mounting brackets from the 408SC kit using 5/16" x 1" carriage bolts, 5/16" flat washers and 5/16" nyloc nuts.
- Repeat at all four mount feet.



- Align and square rack on the shell.
- TIGHTEN.
- Go back and tighten hardware from step 5.

GO BACK AND ENSURE ALL HARDWARE IS TIGHT

Your installation is now complete.

