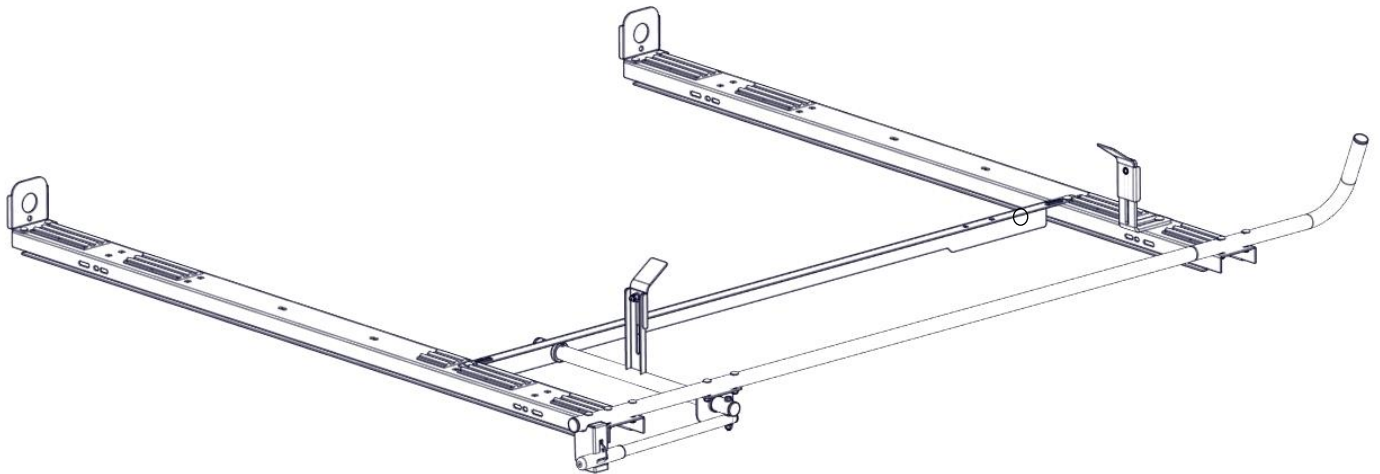

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Instruction Guide

4A82L



*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.



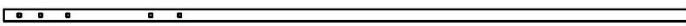

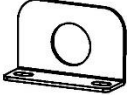
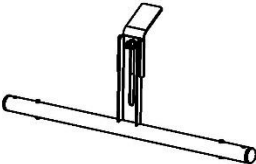

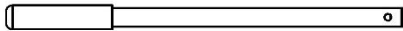
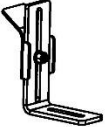

Tools Needed

9/16" Socket and Wrench	1/2" Socket and Wrench
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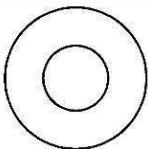
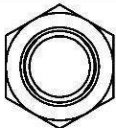
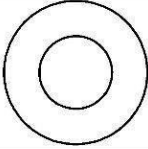
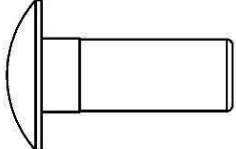
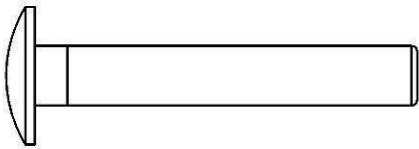
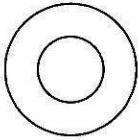
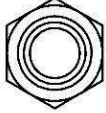
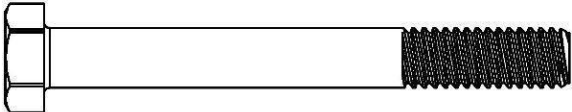
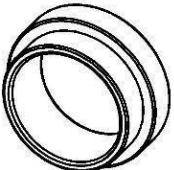
Before You Begin

- Read all instructions. Find your vehicle roof rail mounting prior to rack assembly.
 - Most times it is easier to install on top of roof, after the mount kit has been installed.
 - Be sure to put sealant around all threads entering cargo area and between the rubber spacer and roof of vehicle to prevent water from leaking into cargo area.
 - **DO NOT EXCEED MANUFACTURERS WEIGHT CAPACITY FOR ROOF.**
 - **BE SURE TO ADJUST LADDER CLAMPS ACCORDINGLY TO FIRMLY SECURE LADDER TO RACK.**
-

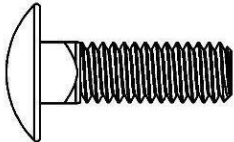
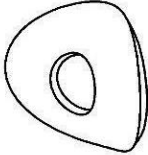
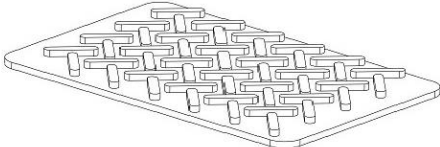
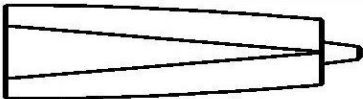
Parts

ITEM NO.		PART NUMBER	DESCRIPTION	QTY.
A		4A90L-00-001	BOW W/ PADS	2
B		4A800-00-003-R3-R	LONG ANGLE BRK	1
C		4A800-50-001-R3	TUBE	1
D		4A800-50-002-R2-R	BEND TUBE	1
E		11-03027A	ANGLE BRK	1
F		13-03007-A	PIVOT LADDER CLAMP ASM	1
G		4A800-20	HANDLE CLAMP ASM	1
H		13-03008-A	HANDLE ASM	1
J		13-03009-A	LADDER CLAMP ASM	1
K		4A800-00-004-R1	LADDER STOP	2
		18-4A82L	HARDWARE	1

Hardware (18-4A82L)

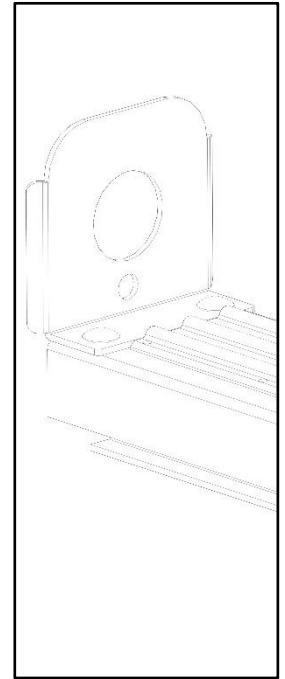
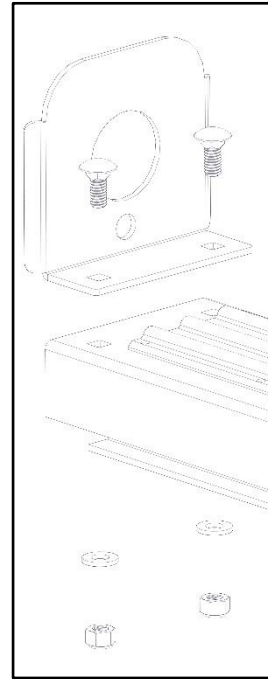
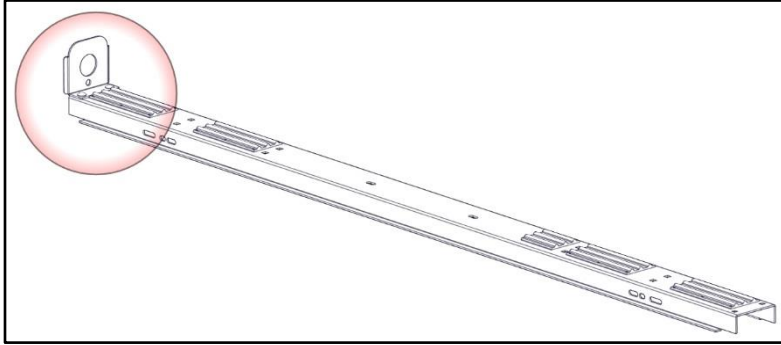
ITEM NO.	TO SCALE	PART NUMBER	DESCRIPTION	QTY.
1		90295A160	.06x.34x.75 Nylon Washer	1
2		.375-16 NYLOC	3/8-16 Nyloc Nut	3
3		.375 FLAT WASHER	3/8 Flat Washer	3
4		.375-16 x 1 Carriage	3/8-16x1 Carriage Bolt	3
5		.312-18x2.0 CARRIAGE BOLT	5/16-18x2.0 Carriage Bolt	7
6		96659A107	5/16 FLAT WASHER	12
7		91831A030	5/16 NYLOC	12
8		.312-18 X 2.75 HEX BOLT	5/16-18x2 3/4 Hex Bolt	1
9		40800-10-007	PLASTIC BUSHING 1:2 SCALE	2

Hardware (18-4A82L) Continued

10		90185A583	5/16 x 3/4 CARRIAGE	4
11		91844A230	5/16 CONTOUR WASHER	1
12		Extra Rubber Pad	1:2 SCALE	1
		BH-821	Sealant	1

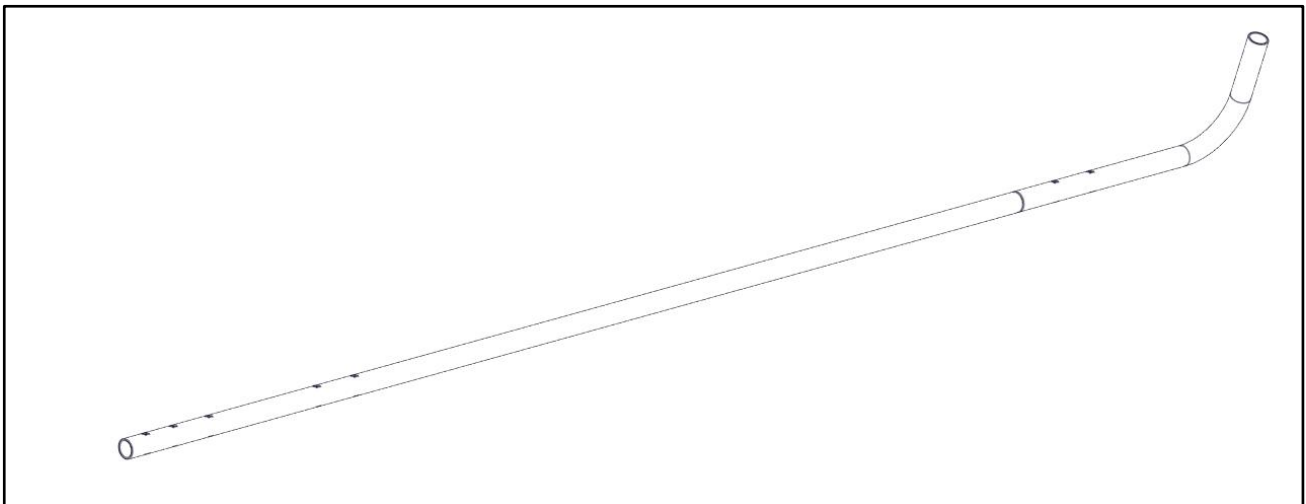
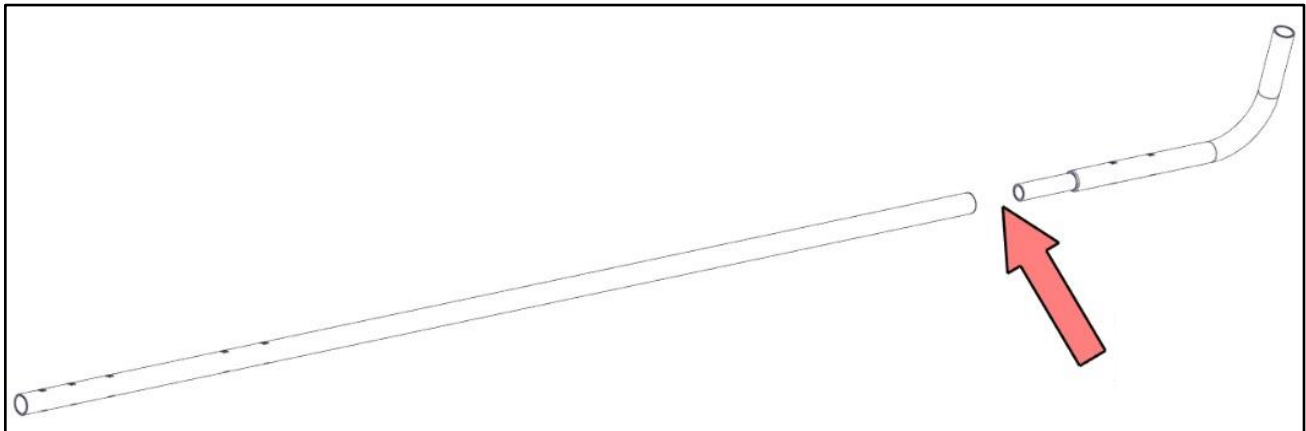
Step 1 – Ladder Stops

- Bolt ladder hooks to one end of each bow.
- Use a 5/16" carriage bolt, 5/16" washers and a 5/16" nylock.
- TIGHTEN. Skip installing ladder stops if adding 4A81L.



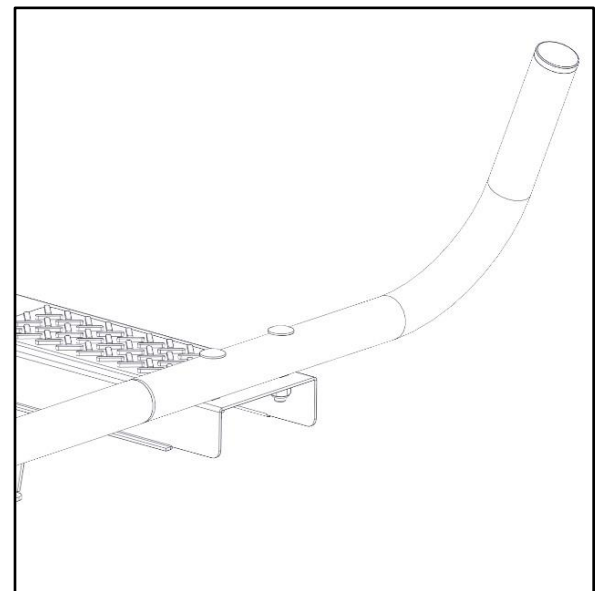
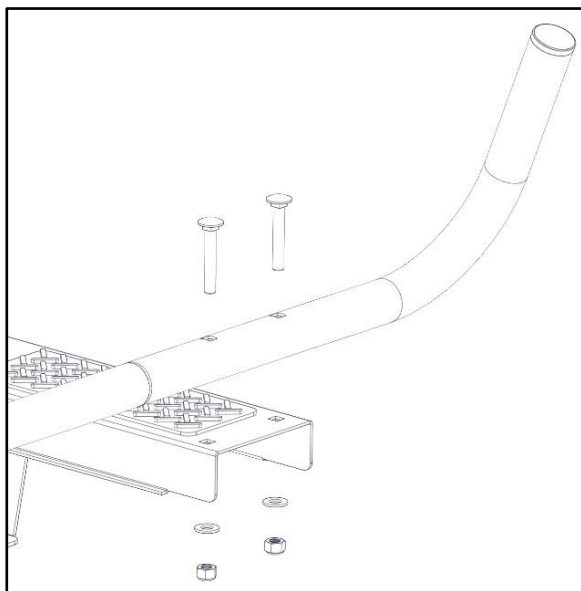
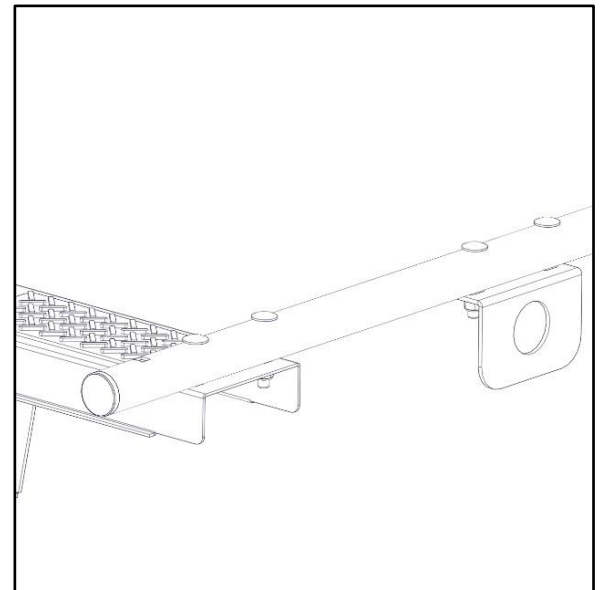
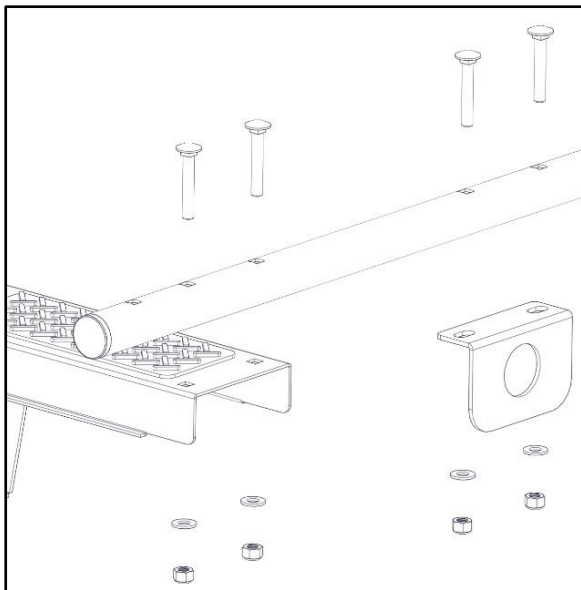
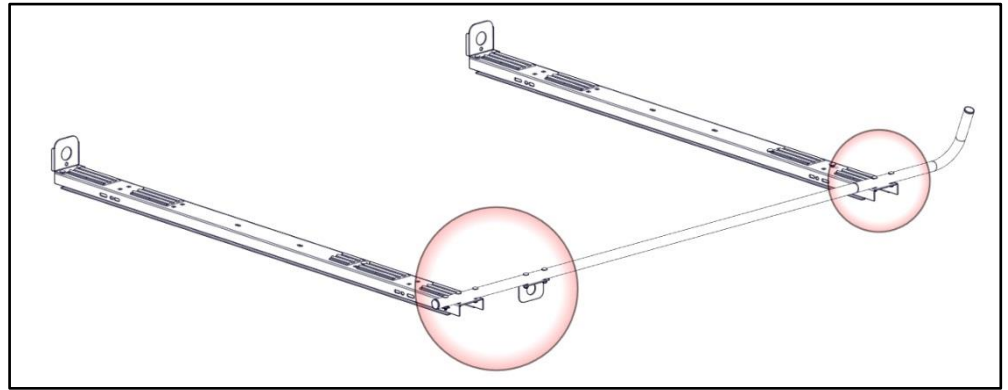
Step 2 – Assemble Side Tube

- Assemble side tube. Place sealant at joint.



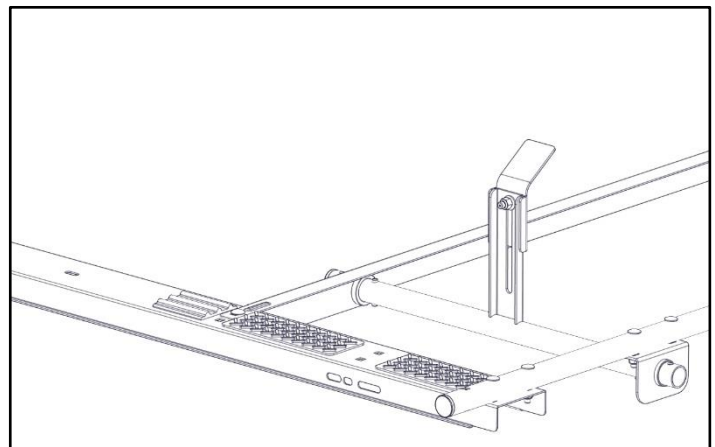
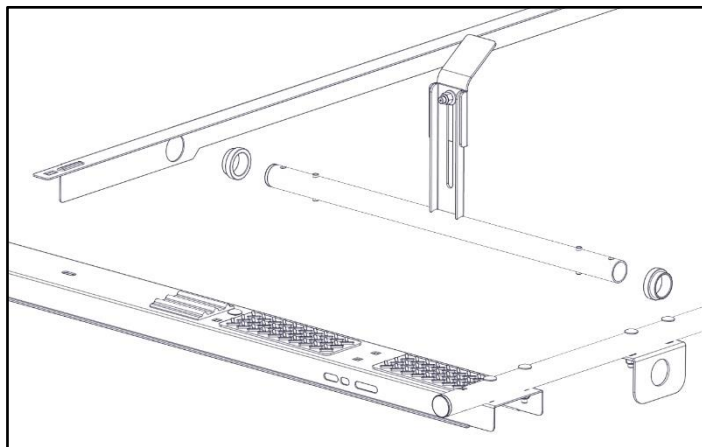
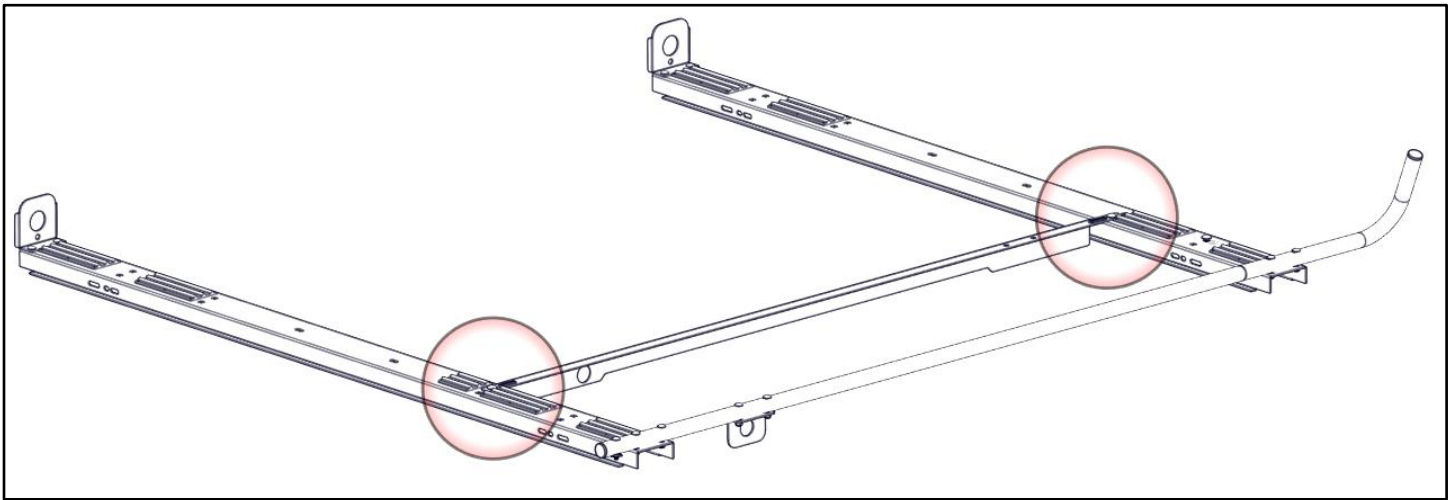
Step 3 – Mount Side Tube

- Place side tube assembly on top of installed bows.
- Have the bend towards the front and to the outside of the vehicle as shown.
- Mount rotation bar plate to the rear of the tube as shown.
- Leave one square slot open at the rear of the side tube.
- Bolt together using 5/16" x 2" carriage bolt, a 5/16" flat washer and a 5/16" nyloc.
- Snug Tighten, but allow movement.

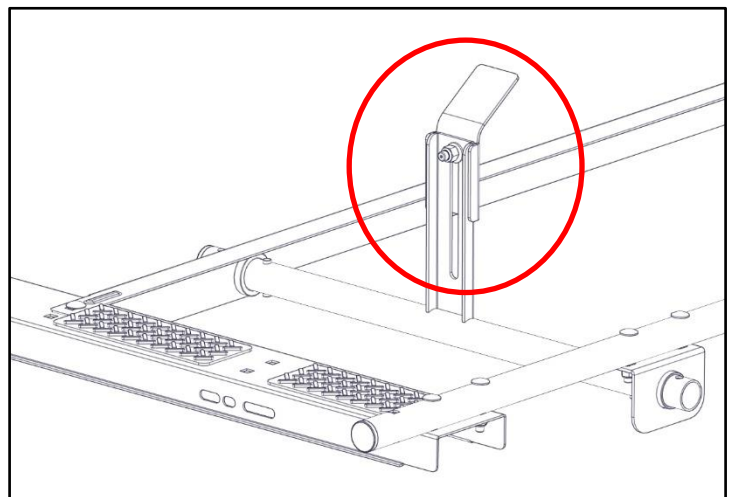
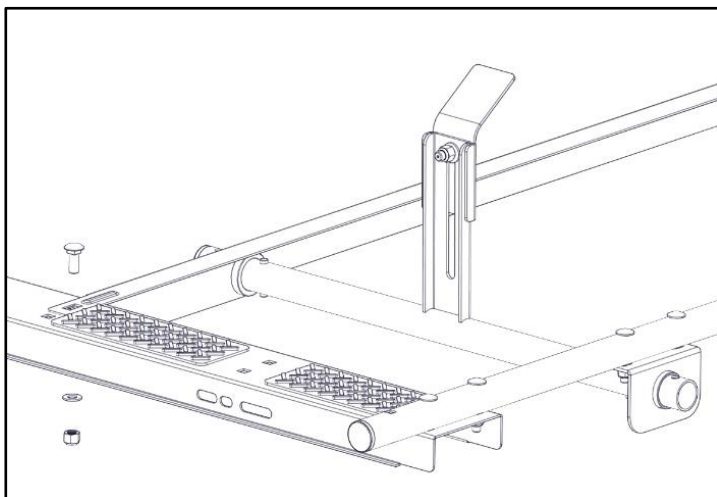


Step 4 – Mount Clamp Tube

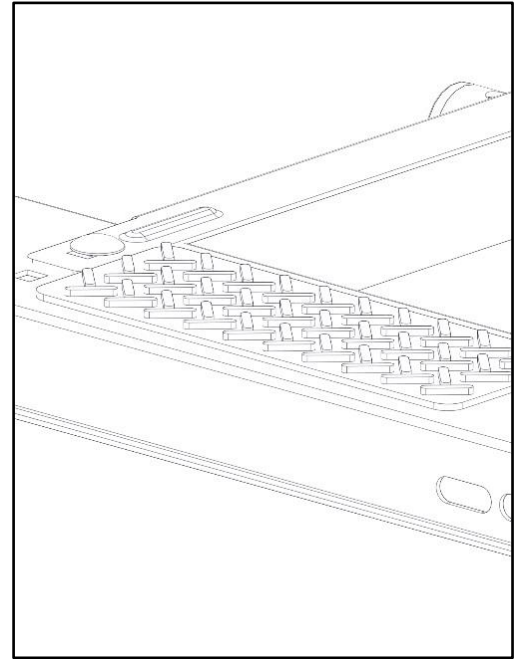
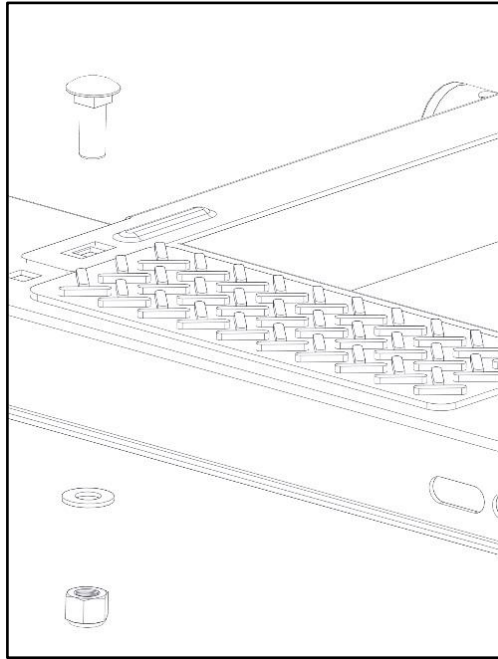
- Place clamp and lock L bracket on top of installed bows.
- Insert plastic bushings into the clamp and lock L bracket and the rotation bar plate installed in Step 3, with flange towards each other and to the inside as shown.



- Insert clamp tube into both plastic bushings.
- After Installation, adjust clamp on clamp tube to fit firmly against your ladder.

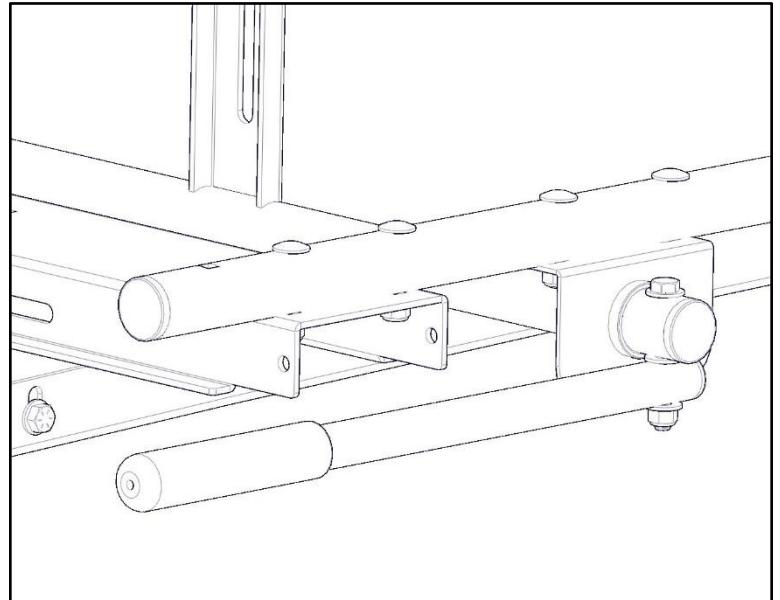
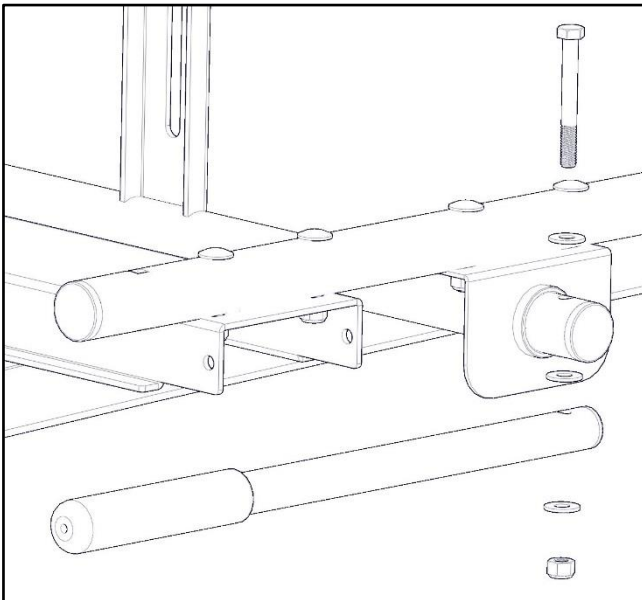


- Bolt clamp and lock L bracket to bows using 3/8" x 1" carriage bolt, 3/8" flat washer and a 3/8" nyloc as shown.
- TIGHTEN



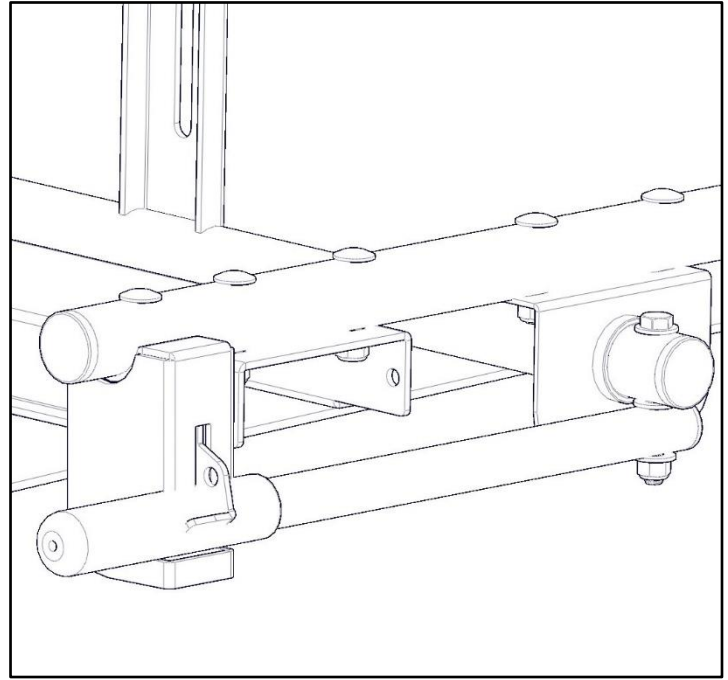
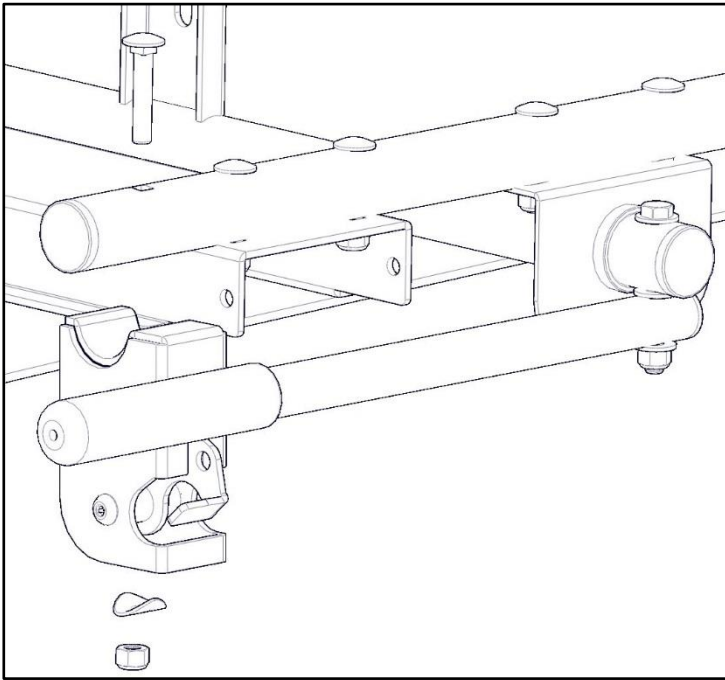
Step 5 – Mount Handle

- Bolt handle to clamp tube using a 5/16" x 2-3/4" hex head, two 5/16" flat washers, 5/16" nylon washer and 5/16" a nyloc. The nylon washer goes in between the clamp tube and handle.
- TIGHTEN



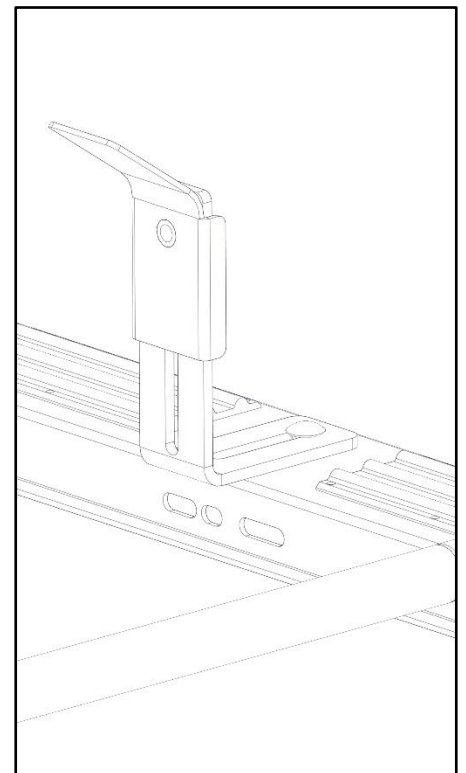
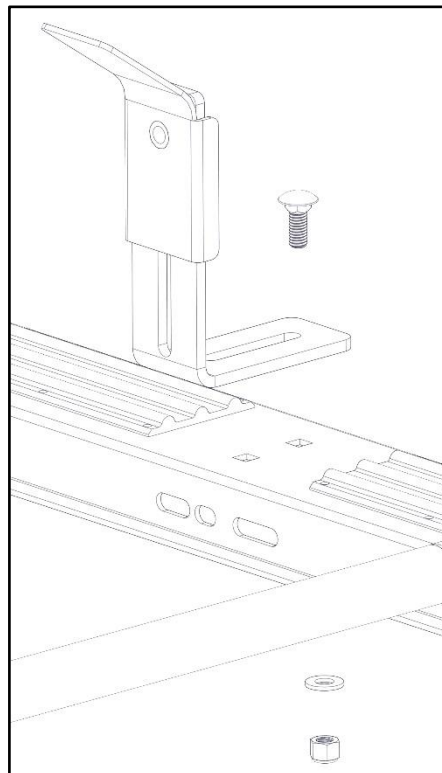
Step 6 – Mount Latch Assembly

- Bolt latch to the rear of the mount tube that was installed in Step 5 using 5/16" x 2" carriage bolt, 5/16" curved washer and a 5/16" nyloc.
- TIGHTEN



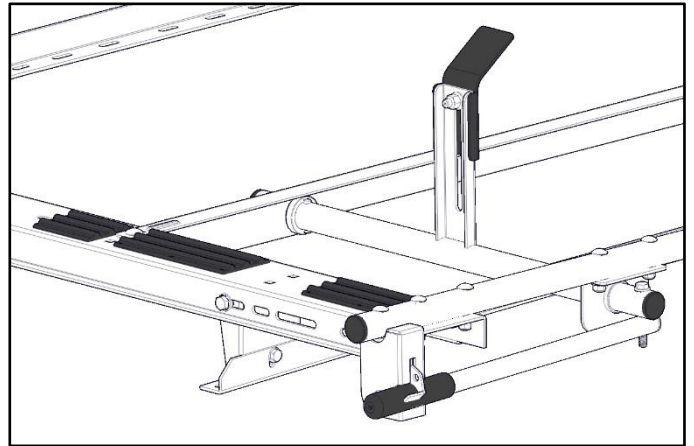
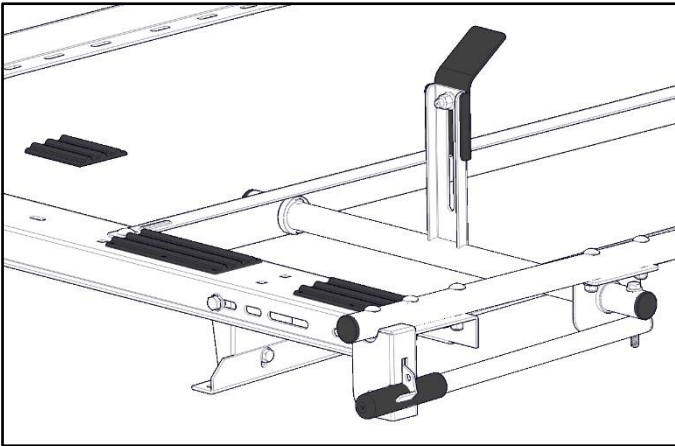
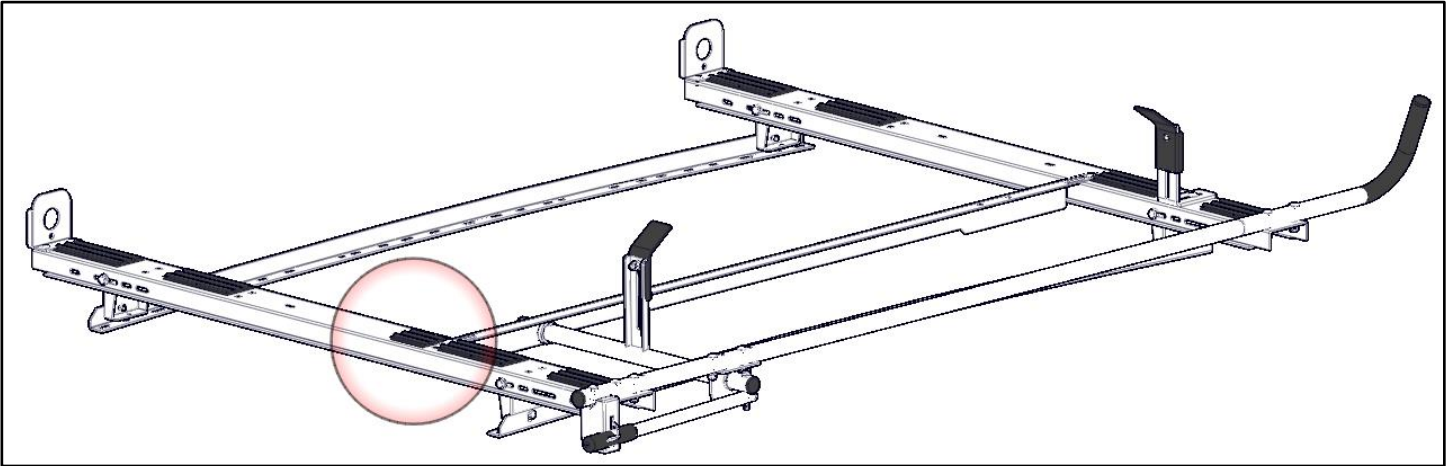
Step 7 – Mount Ladder Hook Bracket to Bow

- Bolt ladder hook bracket to the bow in the orientation shown using a 3/8" x 1" carriage bolt, a 3/8" flat washer and a 3/8" nyloc. Be sure the bracket is square to the bow.
- Adjust clamp on bracket to fit firmly against your ladder.
- TIGHTEN



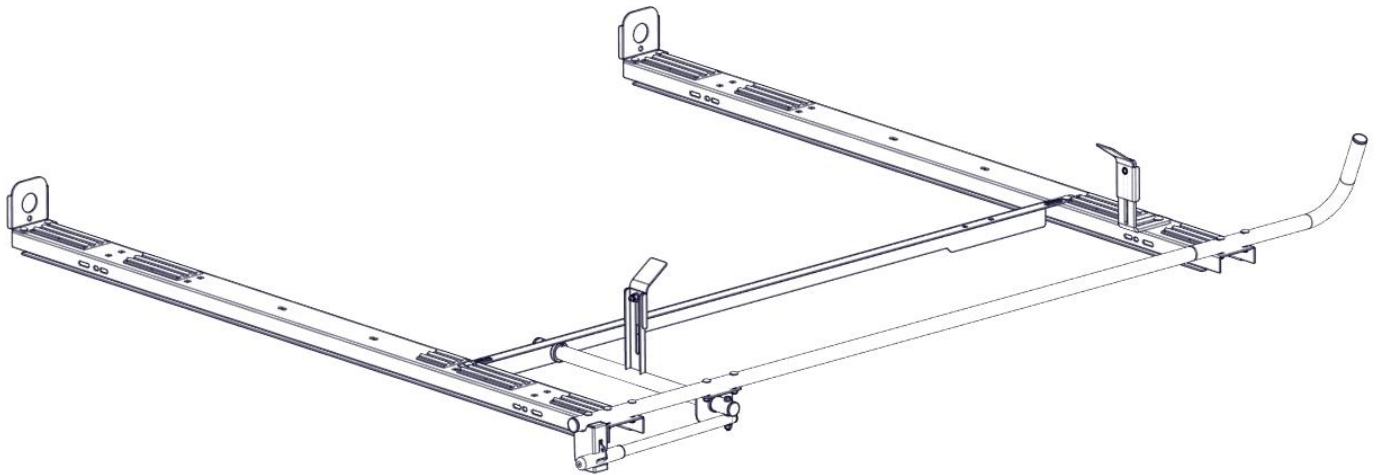
Step 8 – Install Extra Pad

- Adjust clamp on bracket to fit firmly against your ladder.
- If ladder rests on cross bow, place extra rubber bumper to avoid scratching.



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

BE SURE LADDER IS SECURE PRIOR TO TRANSPORTATION

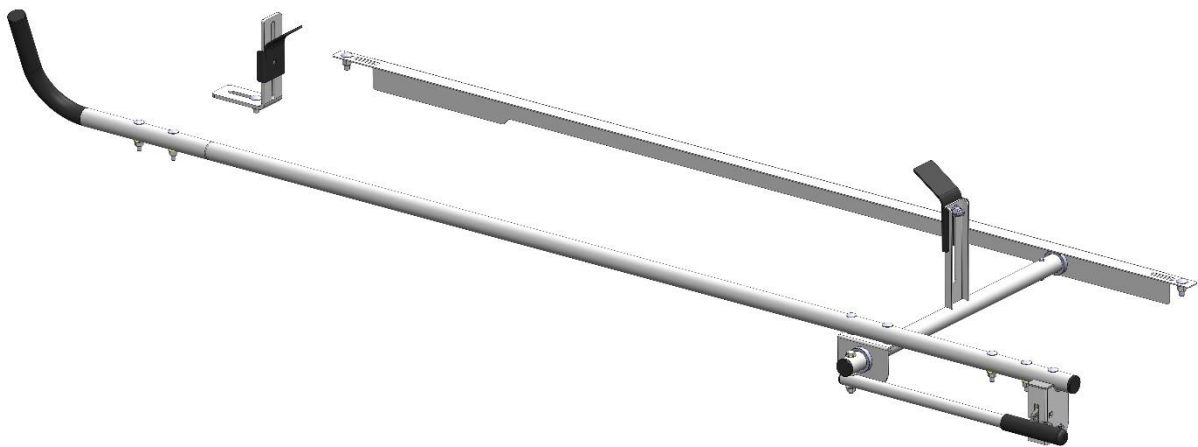


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Instruction Guide

4A81L



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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.




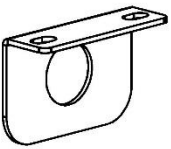
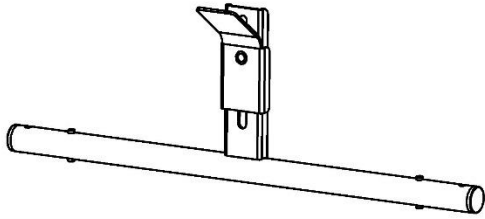
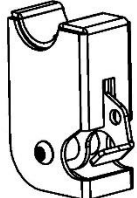

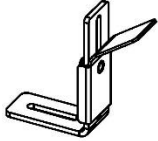
Tools Needed

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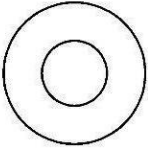
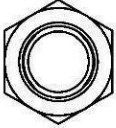
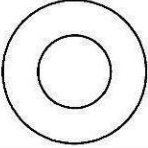
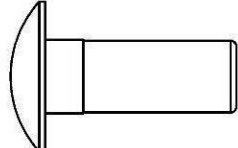
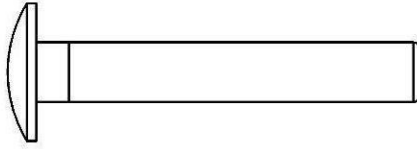
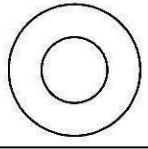

Before You Begin

- Read all instructions.
 - **DO NOT EXCEED MANUFACTURERS WEIGHT CAPACITY FOR ROOF.**
 - This kit is the Driver Side add on ONLY.
 - **BE SURE TO ADJUST LADDER CLAMPS ACCORDINGLY TO FIRMLY SECURE LADDER TO RACK.**
-

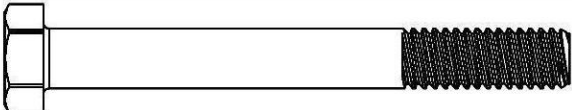
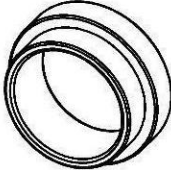
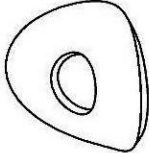
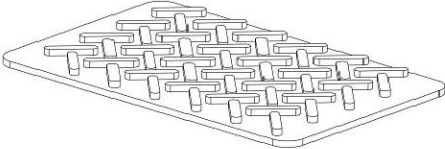
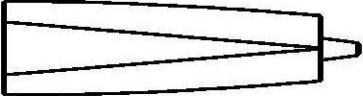
Parts

ITEM NO.		PART NUMBER	DESCRIPTION	QTY.
A		4A800-00-003-R3-L	Clamp and Lock L Bracket	1
B		4A800-50-001-R3	Side Tube	1
C		4A800-50-002-R2-L	Side Hook	1
D		11-03027A	Angle BRK	1
E		4A800-30	Clamp Tube	1
F		4A800-20	Latch Assy.	1
G		4A800-40	Handle	1
H		4A800-60	Ladder Stop Assembly	1
		18-4A81L	Hardware	1

Assembly Hardware (18-4A81L)

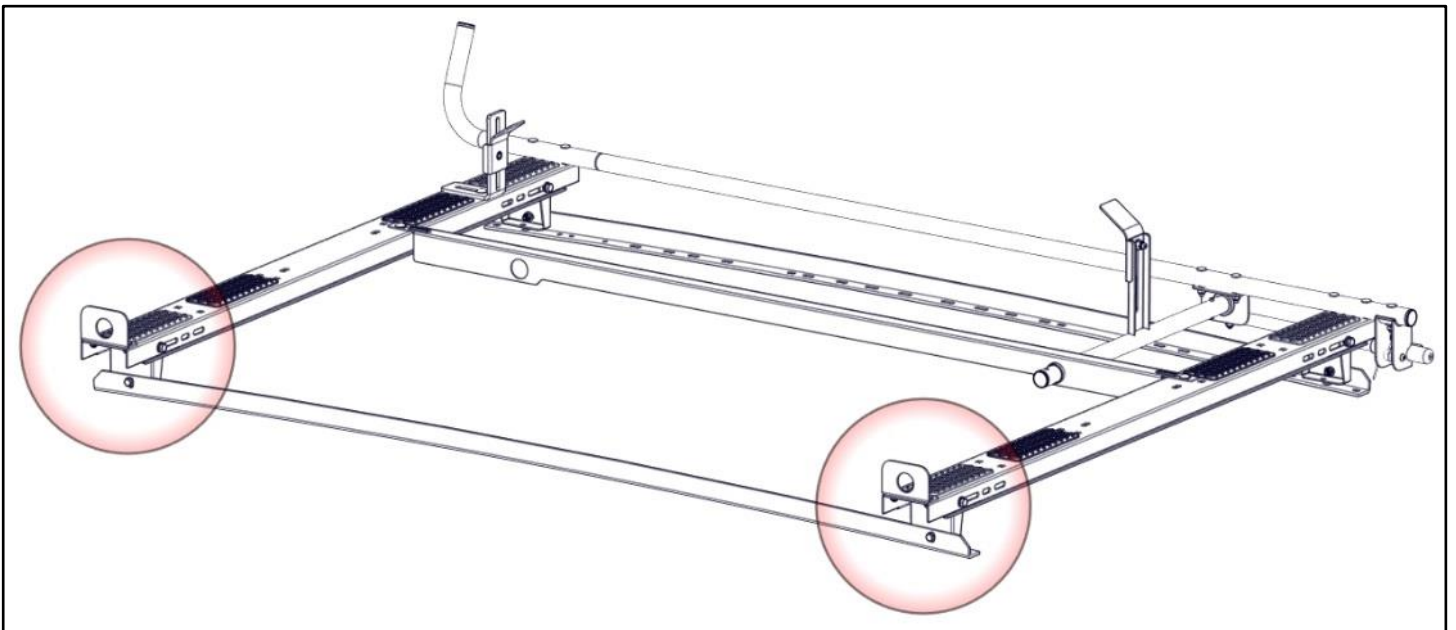
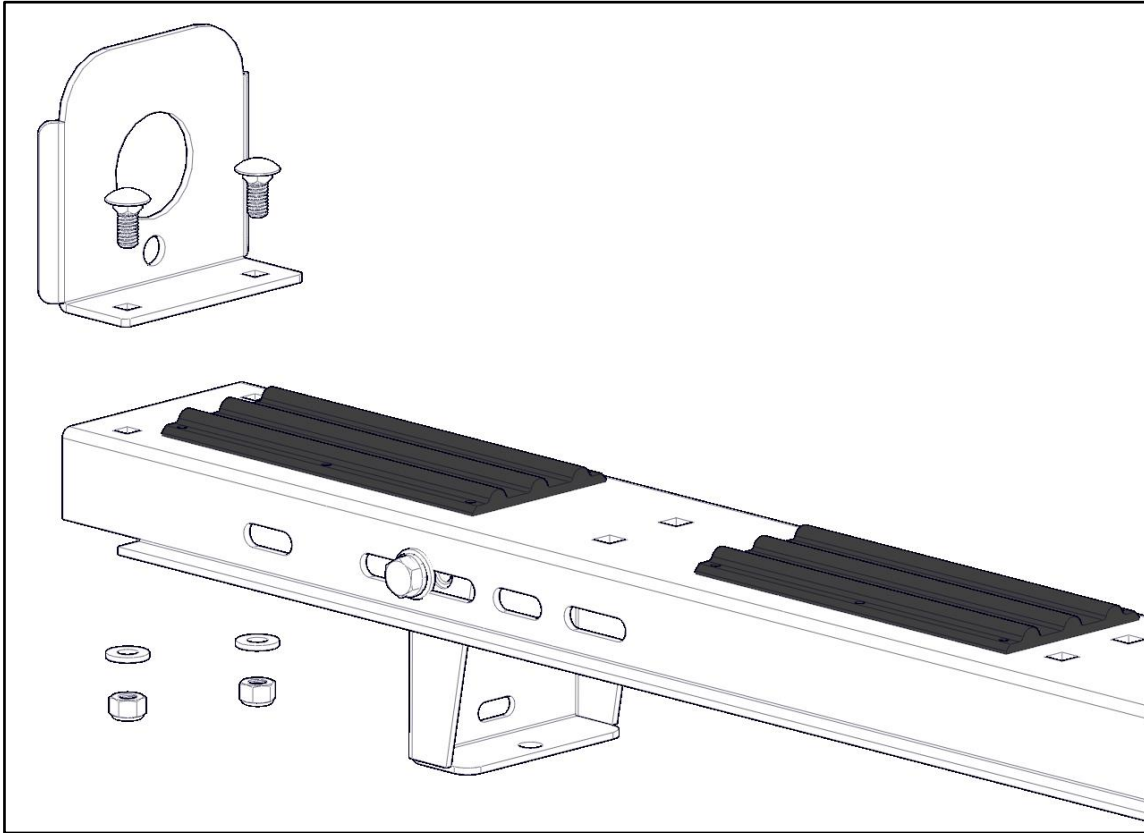
ITEM NO.	TO SCALE	PART NUMBER	DESCRIPTION	QTY.
1		90295A160	.06x.34x.75 Nylon Washer	1
2		.375-16 NYLOC	3/8-16 Nyloc Nut	3
3		.375 FLAT WASHER	3/8 Flat Washer	3
4		.375-16 x 1 Carriage	3/8-16x1 Carriage Bolt	3
5		.312-18x2.0 CARRIAGE BOLT	5/16-18x2.0 Carriage Bolt	7
6		96659A107	5/16 FLAT WASHER	8
7		91831A030	5/16 NYLOC	8

Assembly Hardware (18-4A81L) Continued

8		.312-18 X 2.75 HEX BOLT	5/16-18x2 3/4 Hex Bolt	1
9		40800-10-007	PLASTIC BUSHING 1:2 SCALE	2
10		91844A230	5/16 CONTOUR WASHER	1
11		Extra Rubber Pad	1:2 SCALE	1
		BH-821	Sealant	1

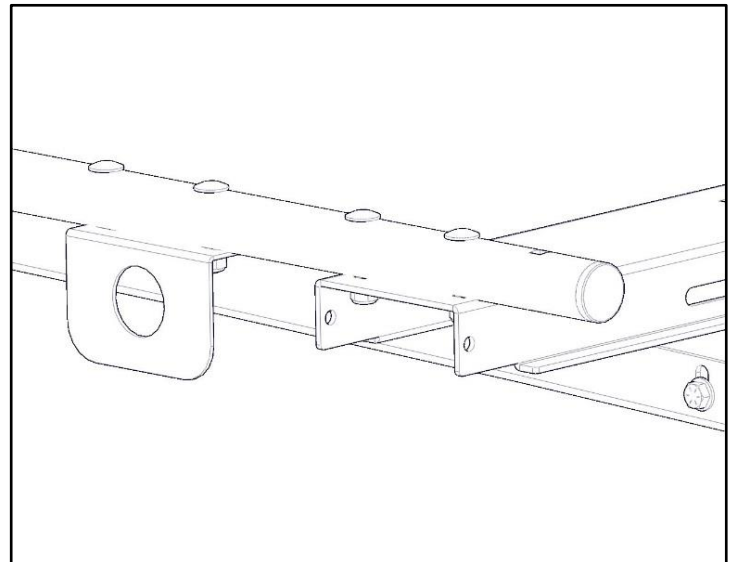
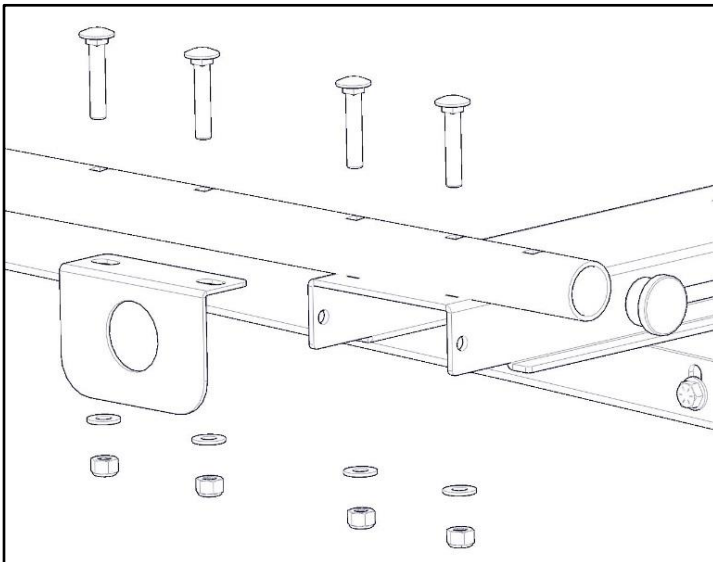
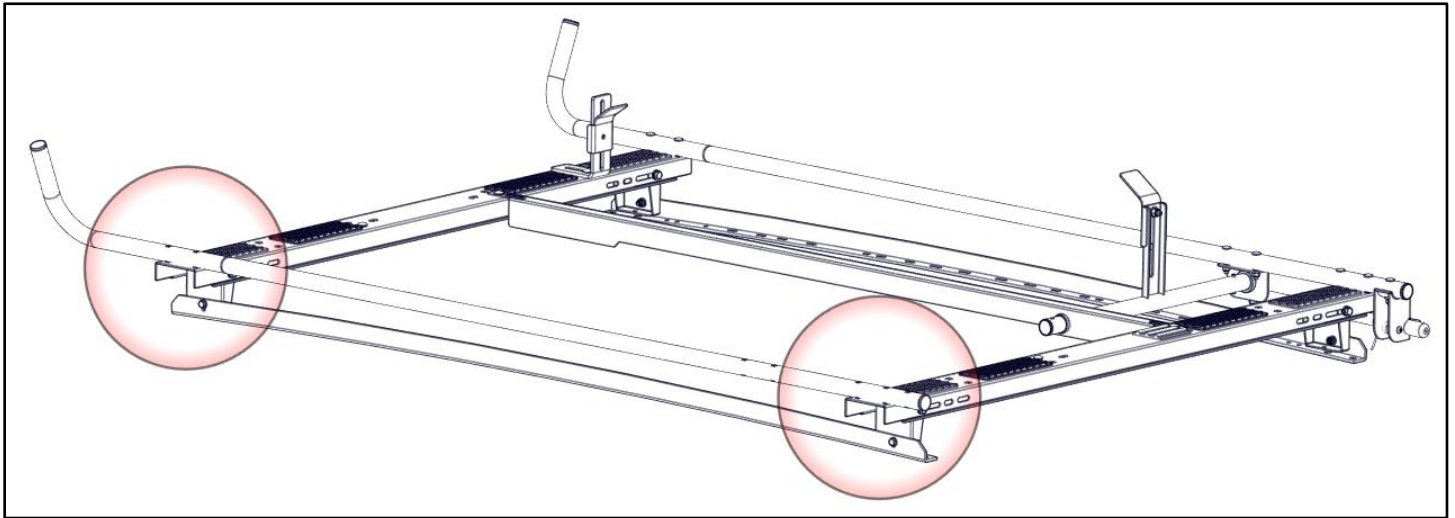
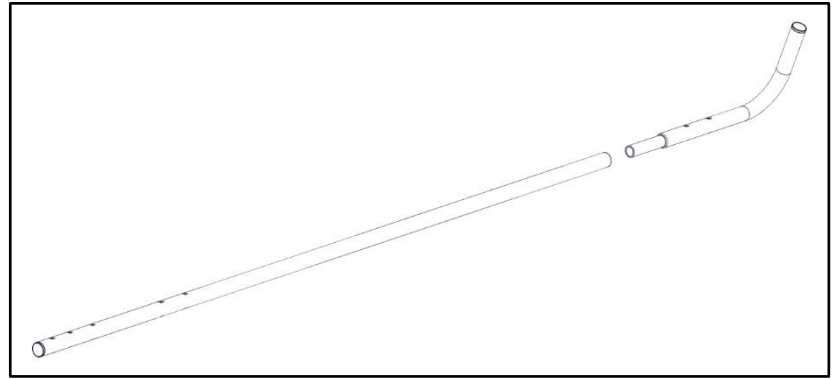
Step 1 – Remove Ladder Stops

- If havent already done so, remove ladder stops from opposite end of both bows where the clamp and lock is installed.



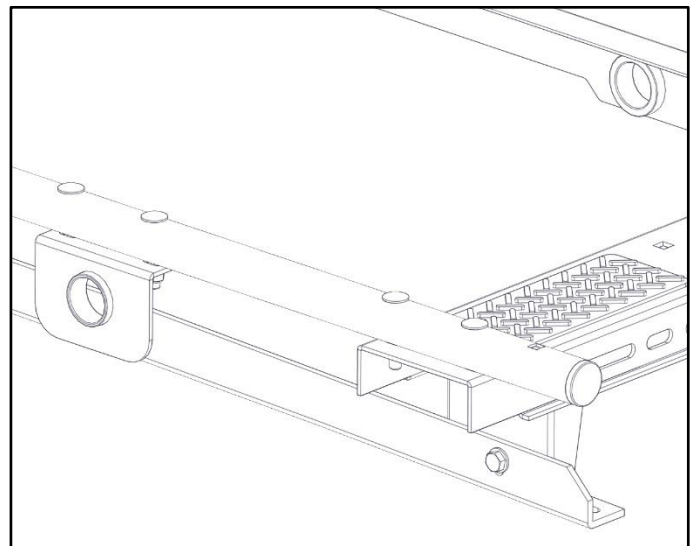
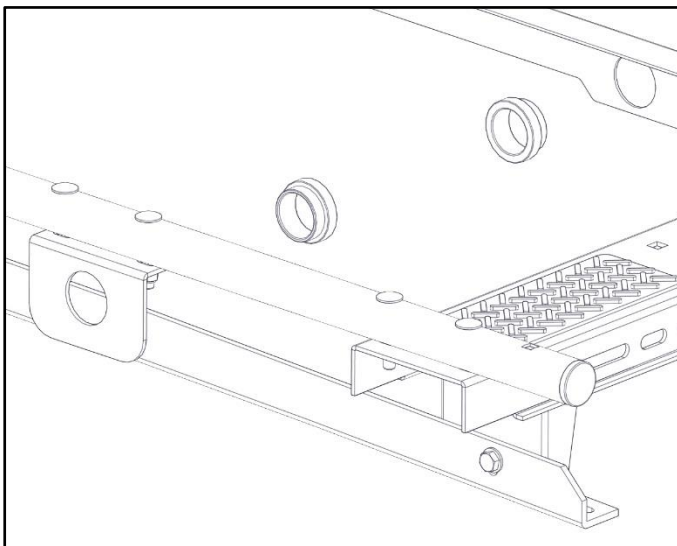
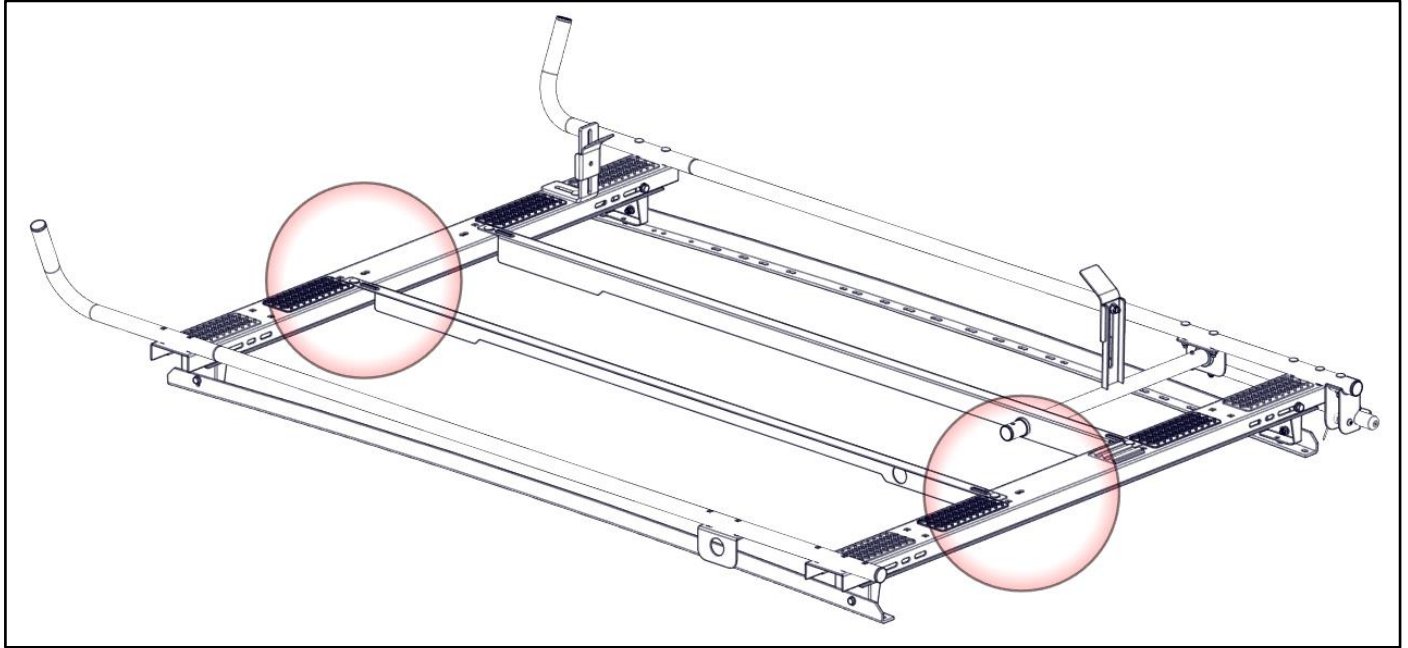
Step 2 – Mount Side Tube

- Place a generous amount of sealant into the tube connection.
- Place side tube on top of installed bows.
- Have the bend towards the front of the vehicle as shown.
- Mount rotation bar plate to the rear of the tube as shown.
- Leave one square slot open at the rear.
- Bolt together using 5/16" x 2" carriage bolt, a 5/16" flat washer and a 5/16" nyloc.
- Snug Tighten, but allow movement.

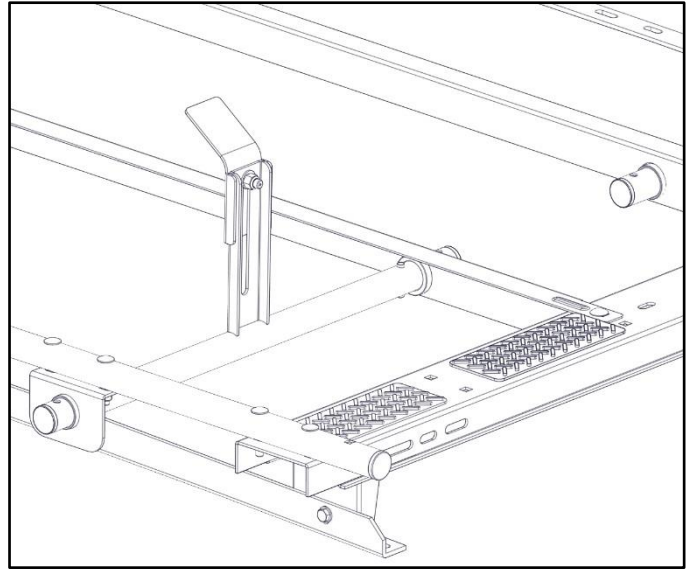
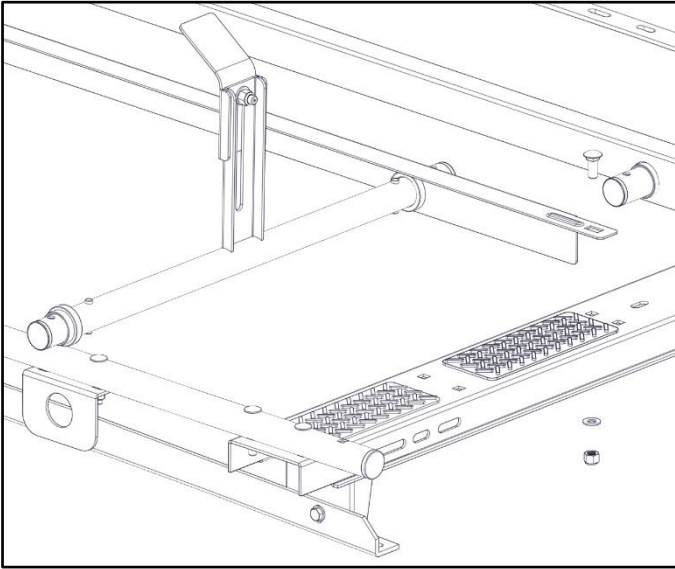


Step 3 – Mount Clamp Tube

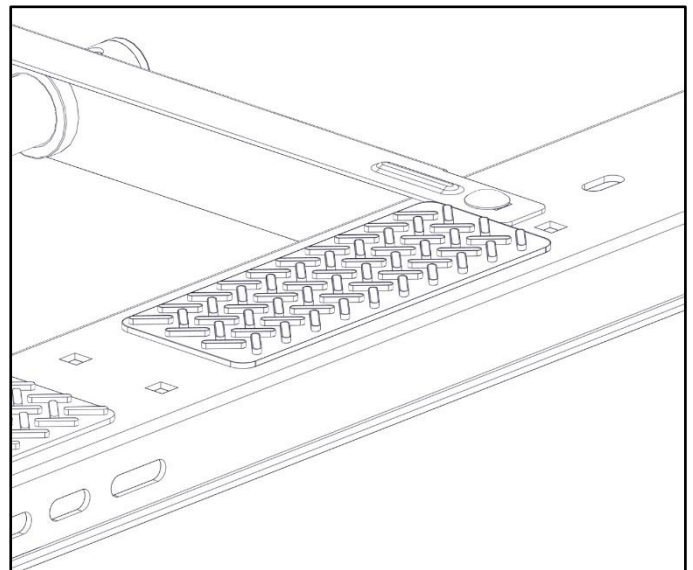
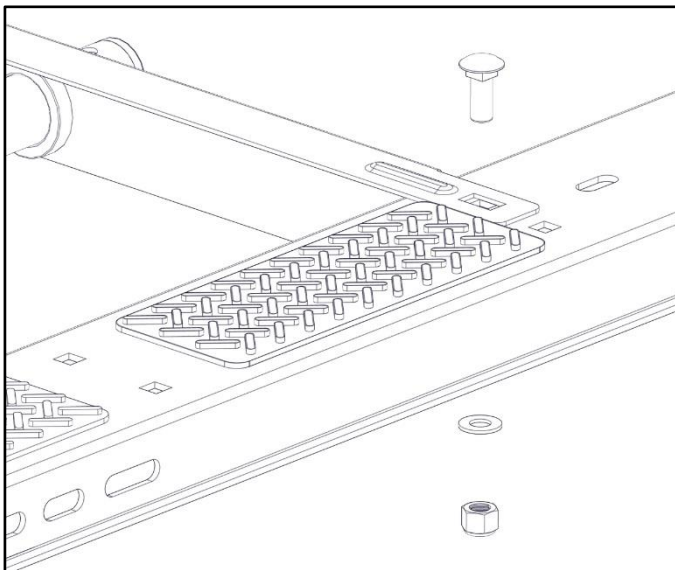
- Place clamp and lock L bracket on top of installed bows. Do not install hardware right now.
- Insert plastic bushings into the clamp and lock L bracket and the rotation bar plate installed in Step 2, with flanges as shown so they cannot come out at a later time. If bushings are not placed in correct orientation, they can fall out.



- Insert clamp tube into both plastic bushings.
- Adjust clamp on clamp tube to fit firmly against your ladder.

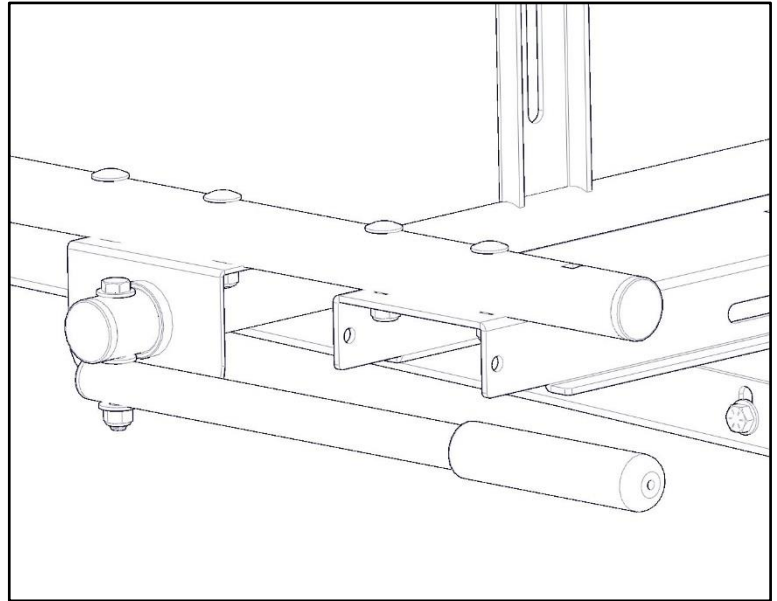
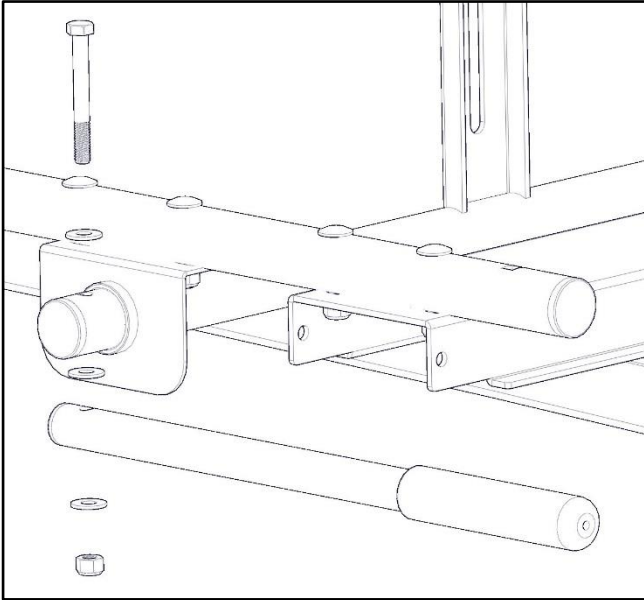


- Bolt clamp and lock L bracket to bows using 3/8" x 1" carriage bolt, 3/8" flat washer and a 3/8" nyloc as shown.
- TIGHTEN



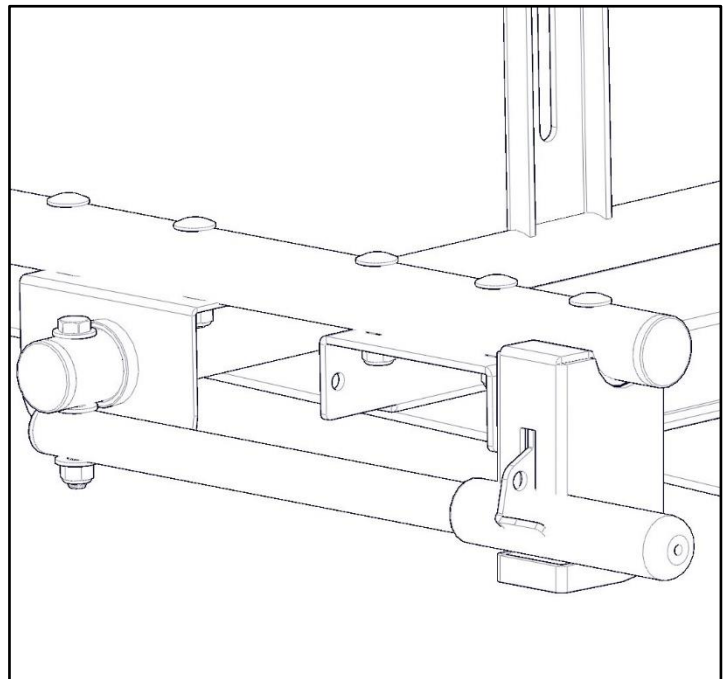
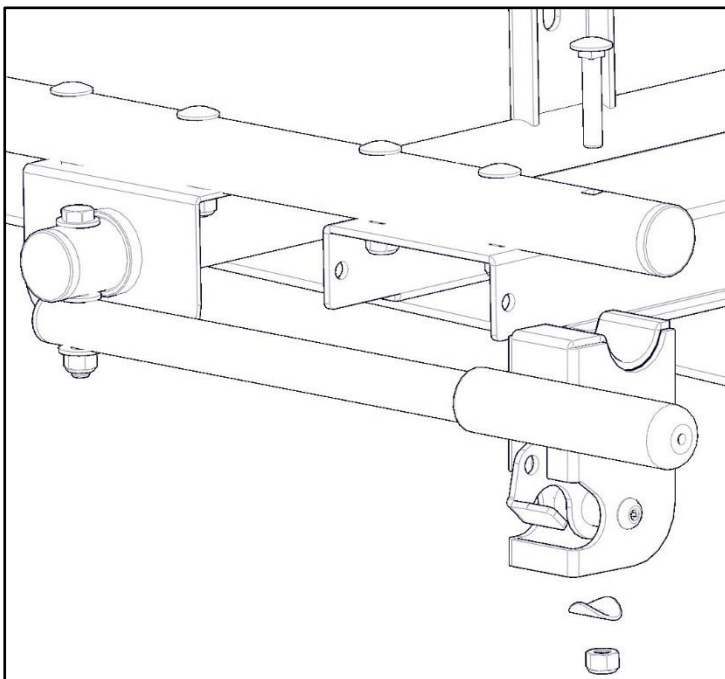
Step 4 – Mount Handle

- Bolt handle to clamp tube using a 5/16" x 2-3/4" hex head, two 5/16" flat washers, 5/16" nylon washer and 5/16" a nyloc. The nylon washer goes in between the clamp tube and handle.
- TIGHTEN



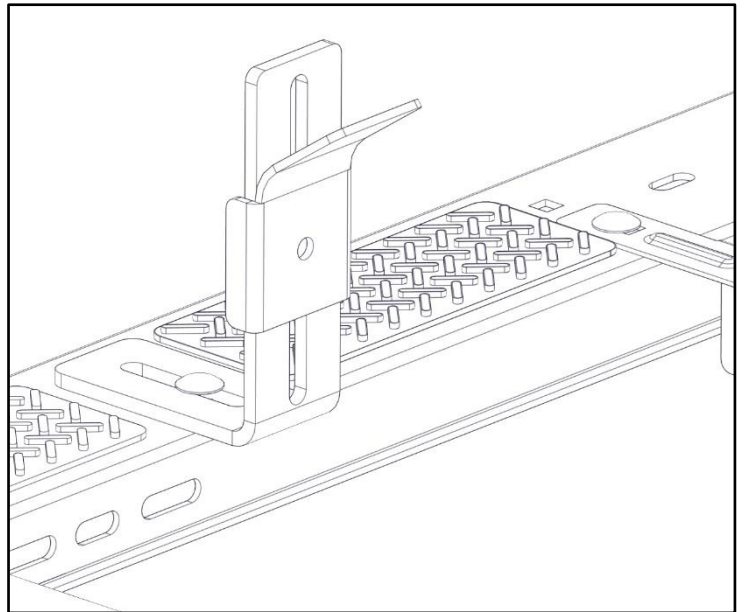
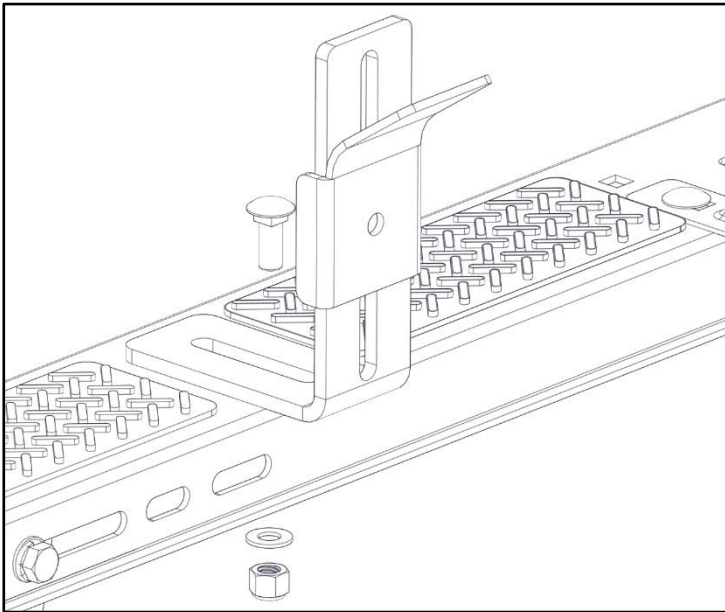
Step 5 – Mount Latch Assembly

- Bolt latch to the rear of the mount tube that was installed in Step 5 using 5/16" x 2" carriage bolt, 5/16" curved washer and a 5/16" nyloc.
- TIGHTEN



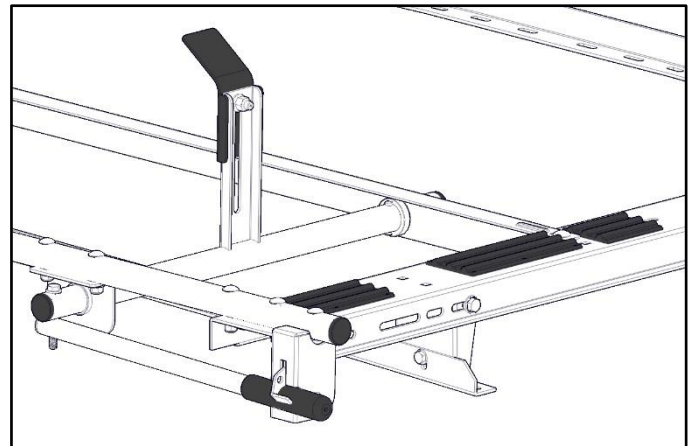
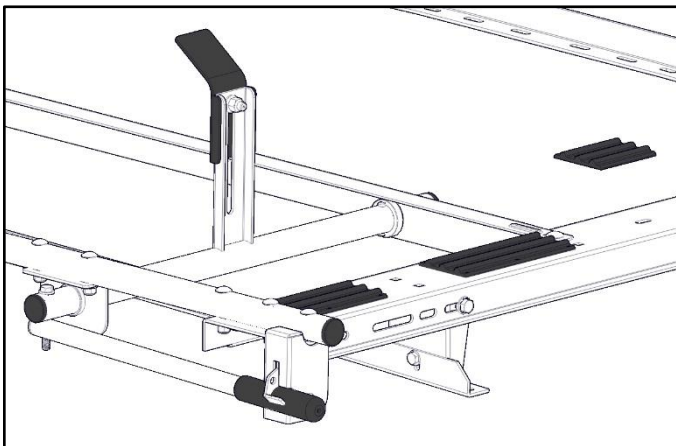
Step 6 – Mount Ladder Hook

- Bolt ladder hook bracket to the bow in the orientation shown using a 3/8" x 1" carriage bolt, a 3/8" flat washer and a 3/8" nyloc. Be sure the bracket is square to the bow.
- Adjust clamp on bracket to fit firmly against your ladder.
- TIGHTEN



Step 7 – Install Extra Pad

- Adjust clamp on bracket to fit firmly against your ladder.
- If ladder rests on cross bow, place extra rubber bumper to avoid scratching.



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

BE SURE LADDER IS SECURE PRIOR TO TRANSPORTATION

