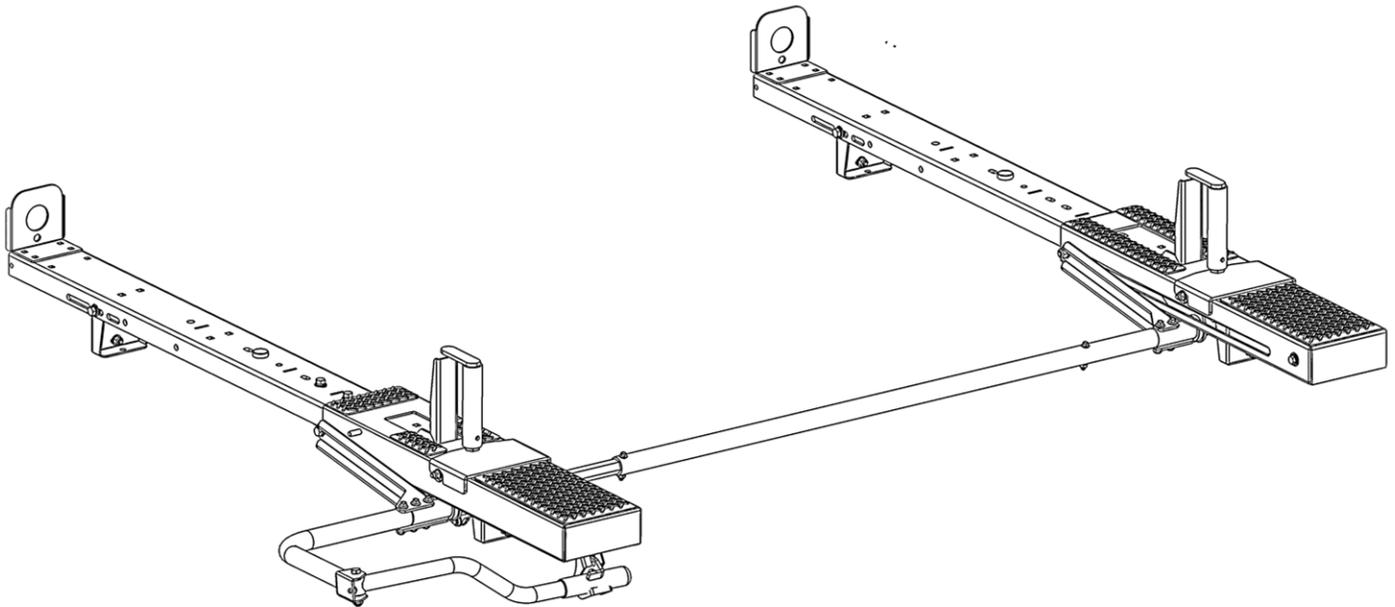


Holman

Instruction Guide

4A934



Holman
Rancho Cordova, CA 95742
800-343-7486
InstallationSupport@Holman.com

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.



DO NOT EXCEED MANUFACTURERS WEIGHT CAPACITY FOR ROOF.

Tools Needed

7/16" Socket and Wrench	1/2" Socket and Wrench
9/16" Socket and Wrench	

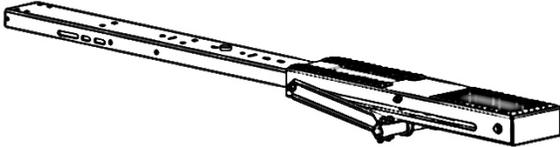
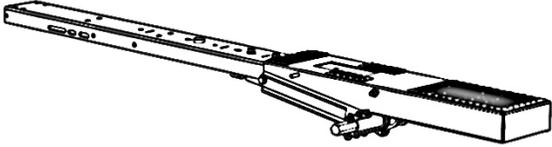
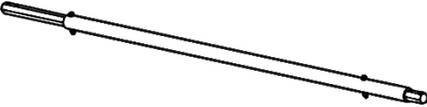
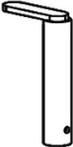
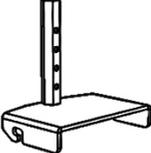
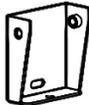
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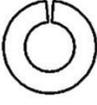
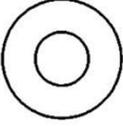
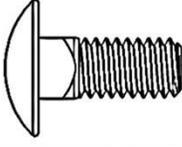
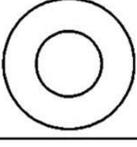
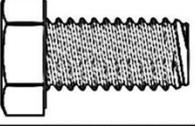
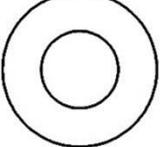
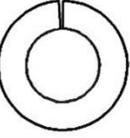
Before You Begin

- Read all instructions prior to installing or assembling any Holman product.
- **To install on a truck cap, 408SC mounting kit is required.**
- Find your truck cap roof mounting locations prior to rack assembly.
- **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.**
- The standard distance between the front and rear bow is 71-1/2". This can vary between 48" and 78", but **be sure the rack can be assembled prior to installing mounts on vehicle.**

Parts List

ITEM NO.		PART NUMBER	DESCRIPTION	QTY.
1		4A933-FRONT-ALUM	FRONT BOW ASSEMBLY	1
2		4A933-REAR-ALUM	REAR BOW ASSEMBLY	1
3		4A900-20	HEX TUBE ASSEMBLY	1
4		4A933-47	HANDLE ASSEMBLY	1
5		4A92L-44-R1	LATCH ASSY.	1
6		4A900-35	LADDER HOOK ASSEMBLY	2
7		4A900-36	BASE LADDER HOOK WELDMENT	2
8		4A900-30-004-R3	LADDER STOP	2
9		4A900-10-008	END STOP	2
10		4A800-10	FOOT ASM	4
11		18-4A934	HARDWARE KIT	

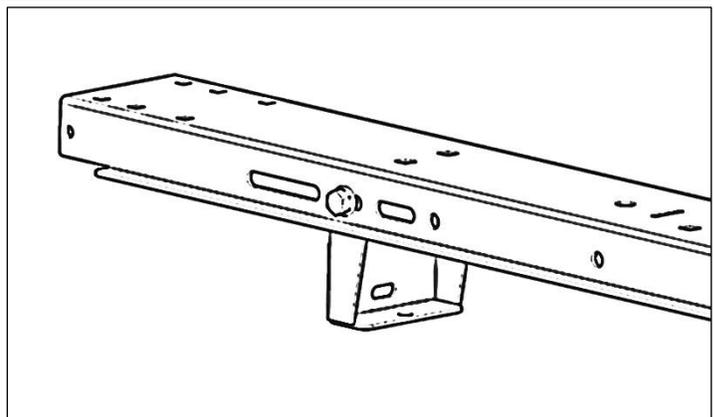
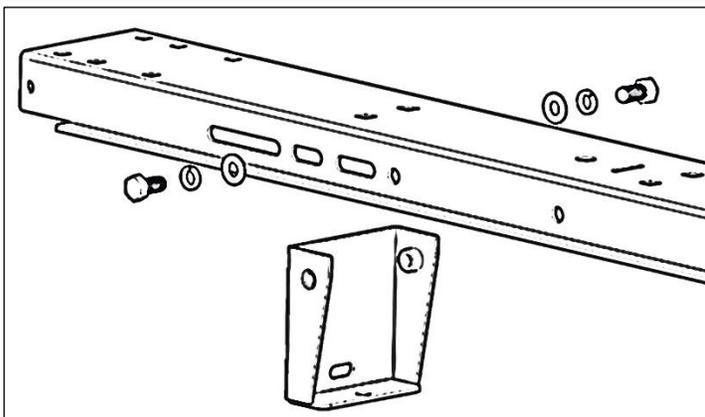
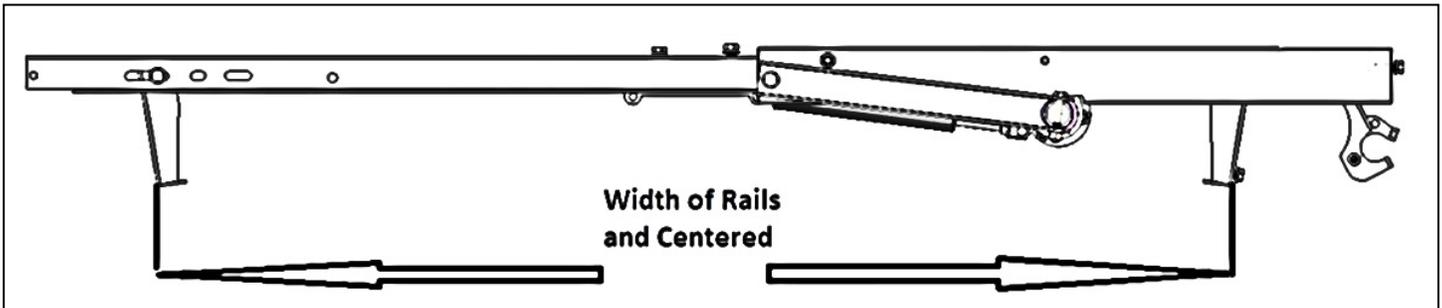
Hardware

ITEM	HARDWARE TO SCALE	PART NUMBER	DESCRIPTION	QTY.
1		92865A541	1/4"-20 X 7/8" HEX BOLT	2
2		GRADE SAE	1/4" LOCK WASHER	2
3		90126A029	1/4" FLAT WASHER	2
4		90185A581	5/16"-18 X 3/4" CARRIAGE BOLT	6
5		90126A030	5/16" FLAT WASHER	6
6		95615A160	5/16"-18 LOCK NUT	6
7		GRADE 5	3/8"-16 X 3/4" HEX HEAD BOLT	8
8		96659A108	3/8" FLAT WASHER	8
9		92146A031	3/8" SPLIT LOCK WASHER	8
10		SEALANT - 60ml	SEALANT	1

DO NOT EXCEED MANUFACTURERS WEIGHT CAPACITY FOR ROOF.

Step 1 – Assemble Feet

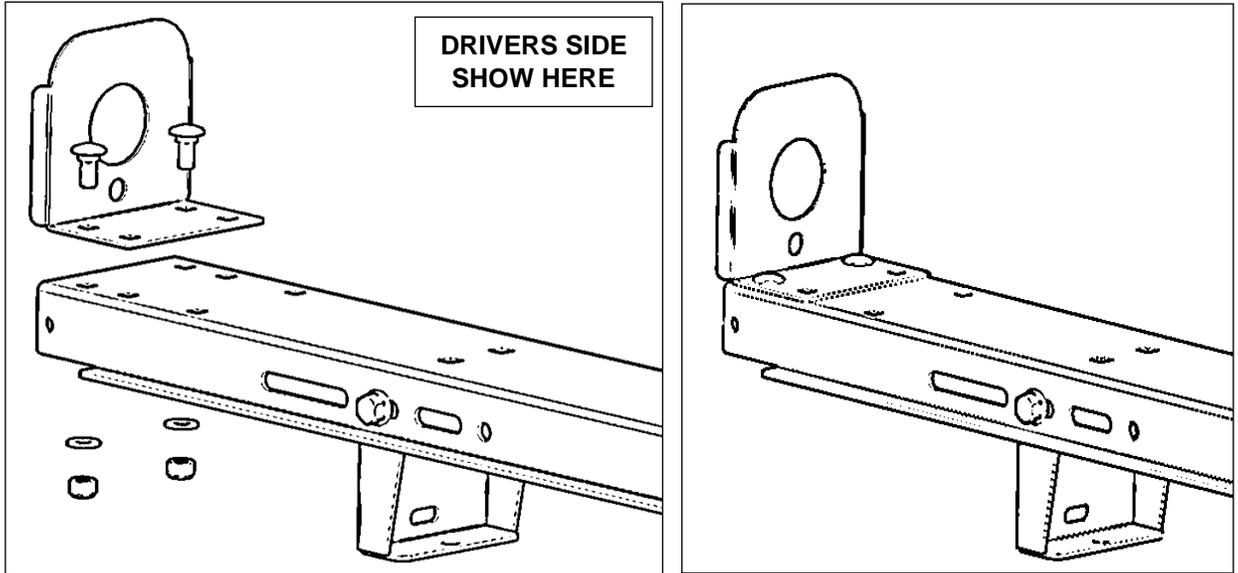
- Measure width between installed mounts on vehicle.
- On the cross bows, use the slots that correspond to the measured distance between the mounts.
- Bolt feet to bows as shown. **DO NOT TIGHTEN at this point.**
- Most common orientation is with the opening in the foot toward the center of the van.
- Use a 3/8" x 3/4" hex head bolt, 3/8" lock washers and a 3/8" flat washer to bolt foot to cross member.
- Snug tighten, but allow movement.



Step 2 – Install End Stop

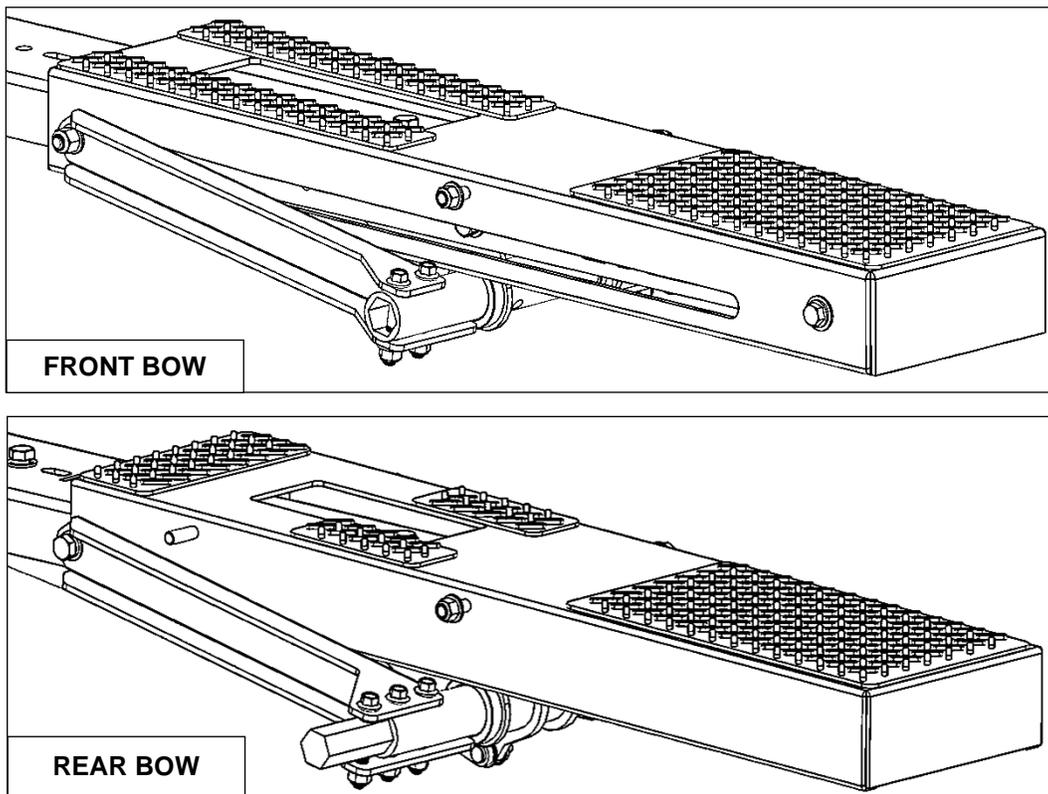
NOTE: Skip the following end stop installation instructions if adding 4A943 to the drivers side.

- Using two 5/16" carriage bolts, two 5/16" washers and two 5/16" lock nuts, bolt the end stop to the exposed end of each bow as shown below.
- TIGHTEN nuts.



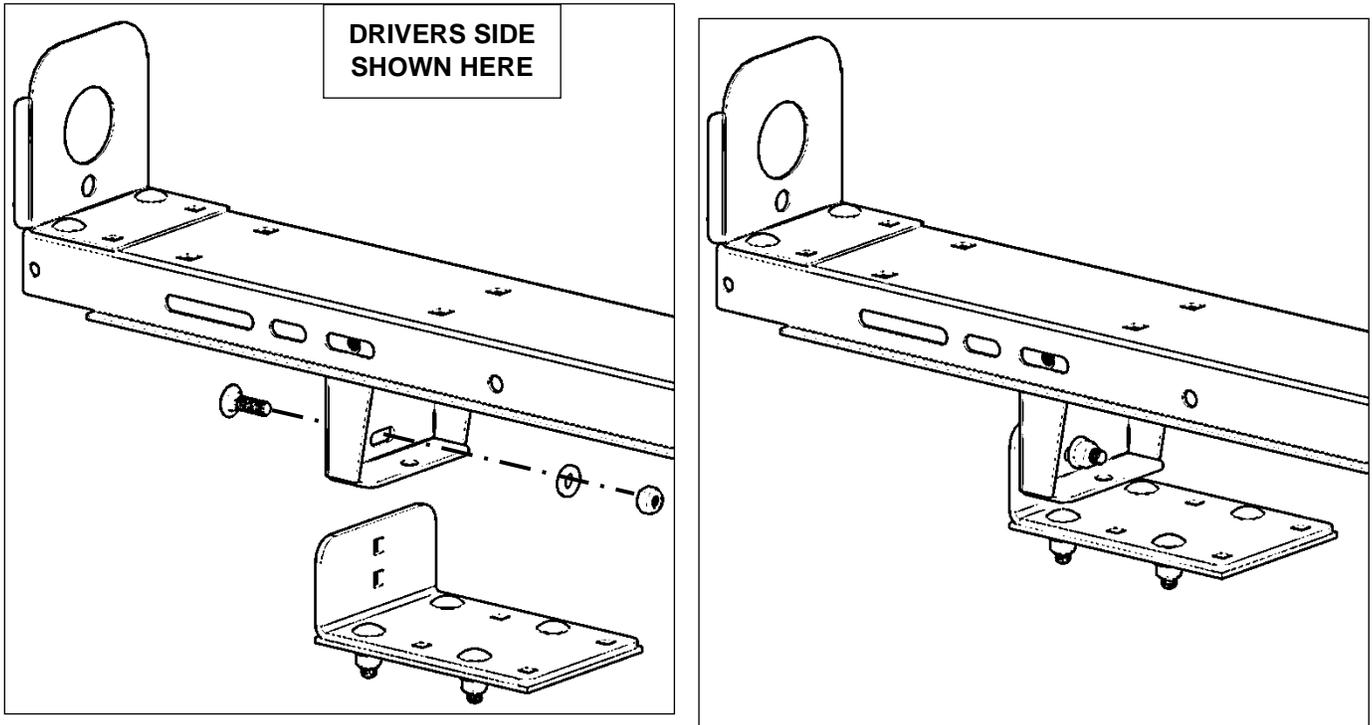
Step 3 – Identify Front and Rear Bow.

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



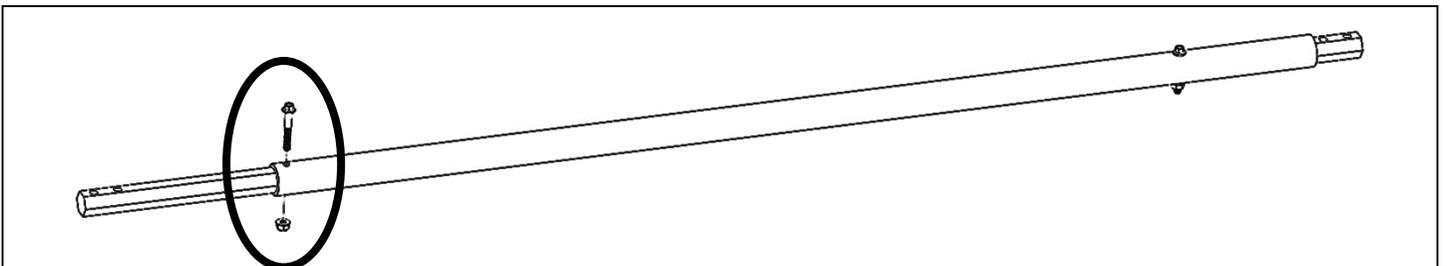
Step 4 – Mount Rack

- Place both bows on top of installed brackets.
- Bolt feet to brackets using 5/16" carriage bolt, 5/16" flat washers and a 5/16" lock nut. **Be sure to have the front bow in the front of the vehicle.**
- Put the ladder hooks on the driver side of vehicle.
- Snug tighten, but allow movement.



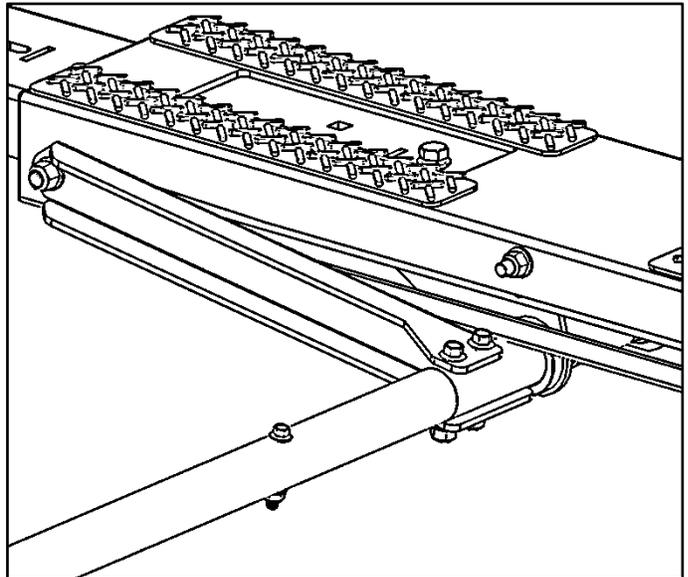
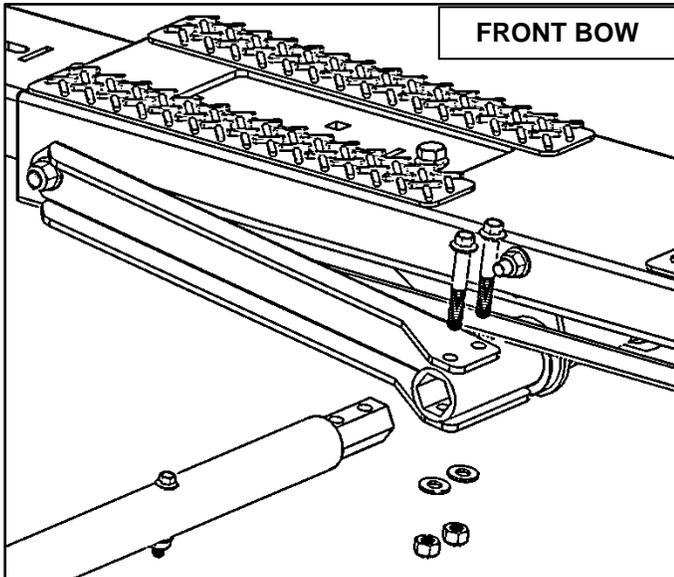
Step 5 – Enable Hex Tube Adjustability

- Remove bolts in hex tube assembly to allow hex tube to be adjusted to accommodate different distances between bows.

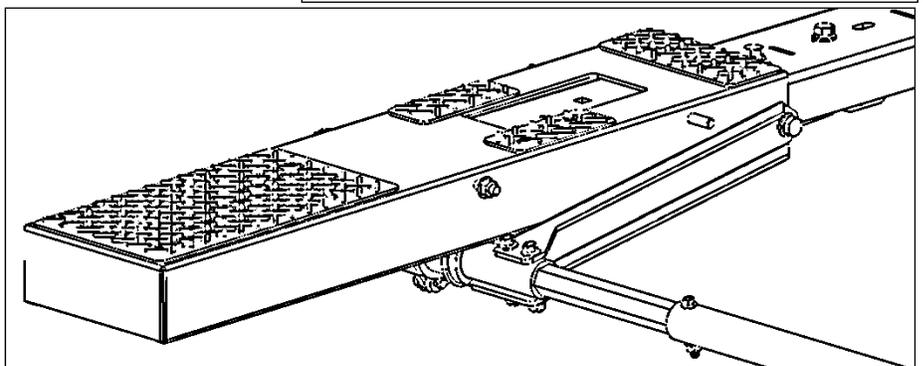
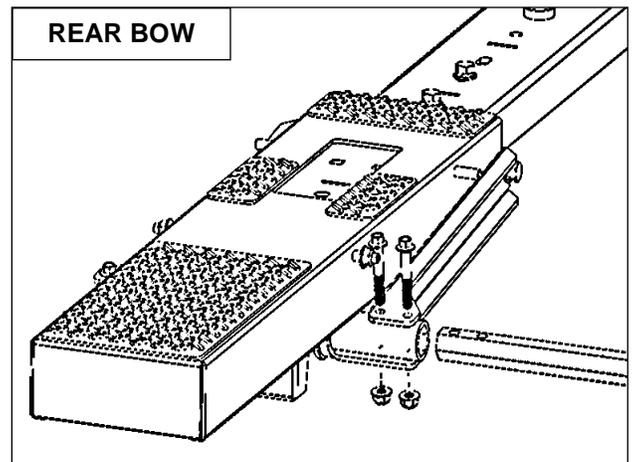


Step 6 – Install Hex Tube

- Remove the 5/16" x 2" flanged head screws, 5/16" washers, and 5/16" lock nuts from the front bow as shown below.
- Align the hex tube assembly so the holes in the hexagonal bar line up with holes in front pan receiver.
- Insert hex tube into receiver tube in front pan assembly.
- Insert 5/16" x 2" flanged head screws through front pan receiver with hex tube and fasten 5/16" washers and 5/16" lock nuts to screws.

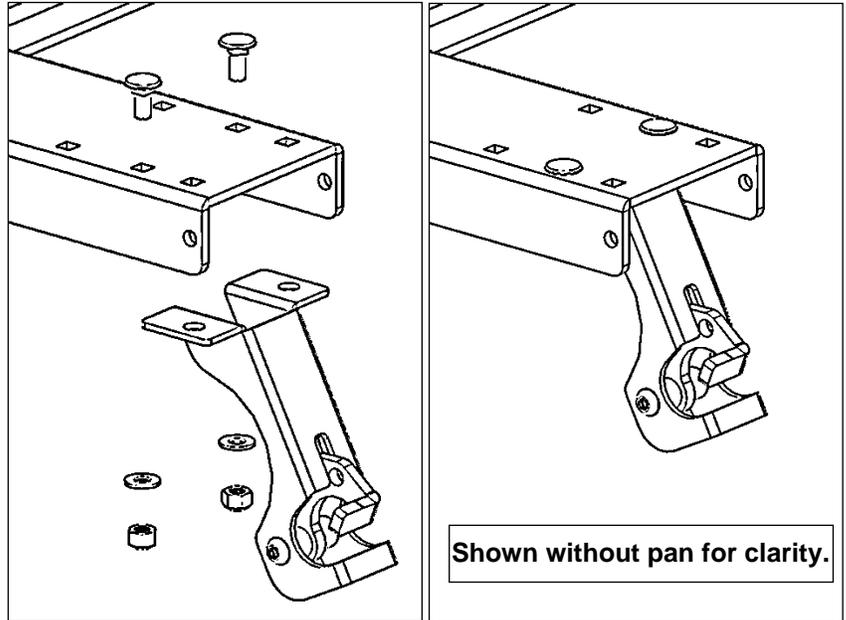


- Remove the 5/16" x 2" flanged head screws, 5/16" washers, and 5/16" lock nuts from the rear bow as shown below.
- Align the hex tube assembly so that exposed holes line up with holes in rear pan receiver.
- Insert hex tube into receiver tube in front pan assembly.
- Insert 5/16" x 2" flanged head screws through front pan receiver with hex tube and fasten 5/16" washers and 5/16" lock nuts to screws.
- **TIGHTEN** all bolts on both front and rear bows.



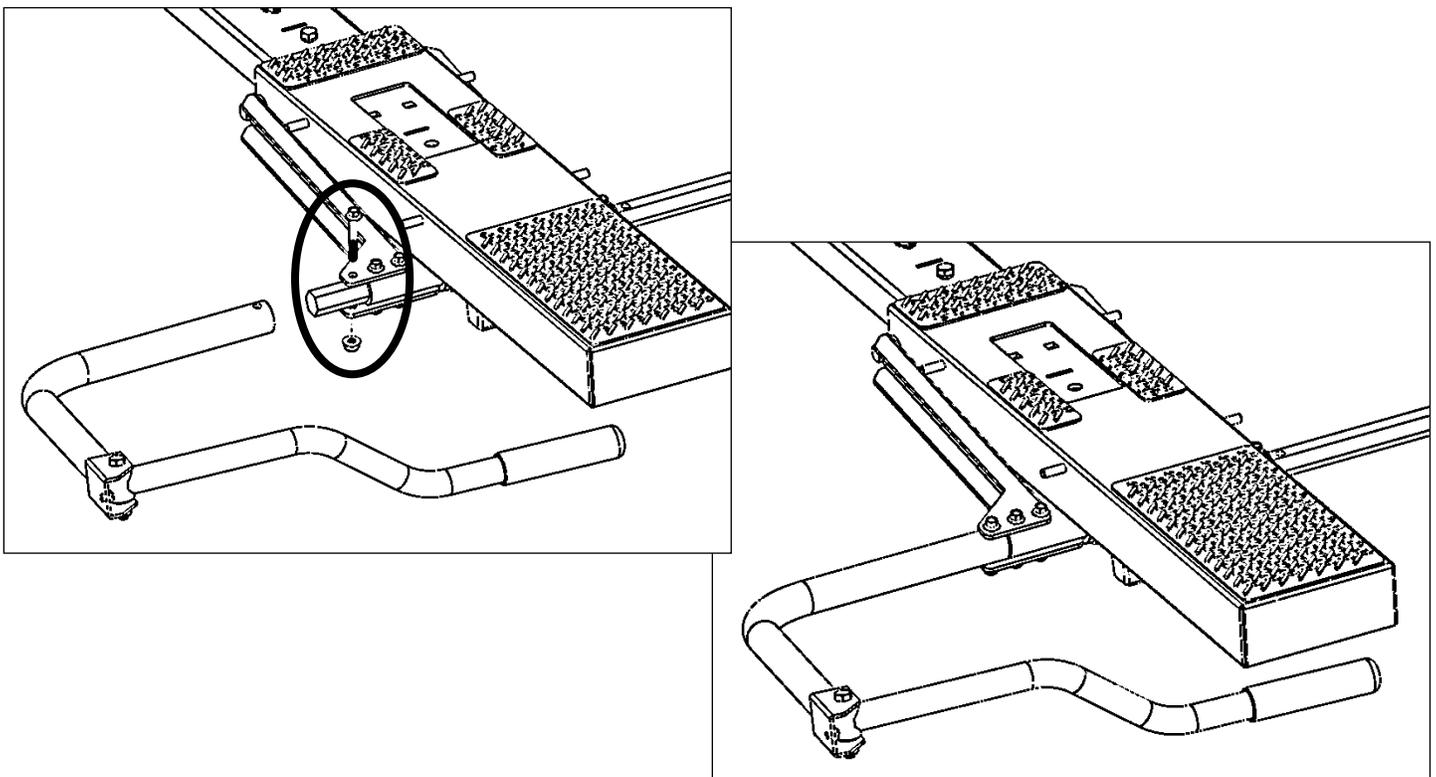
Step 7 – Install Latch

- Move rear pan assembly out of the way to expose the end of the cross member.
- Using 5/16" x 3/4" carriage bolts, 5/16" flat washers and 5/16" lock nuts, fasten the latch assembly to the bow by bolting through EITHER the second or third set of square holes in bow, depending on your installation.
- TIGHTEN bolts and nuts.



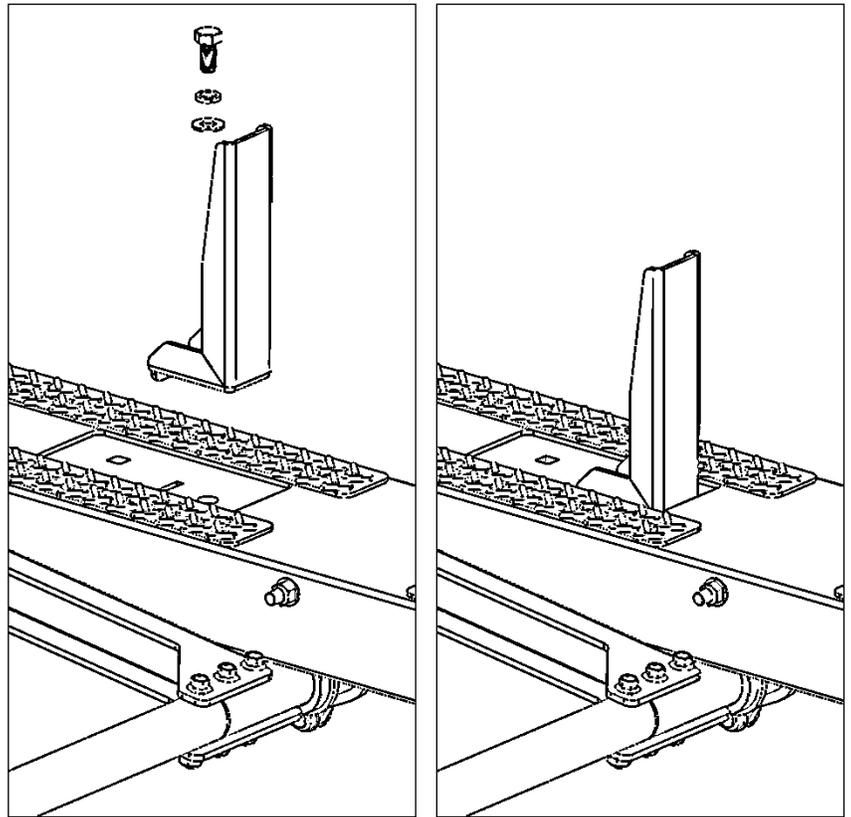
Step 8 – Install Handle

- Remove the 5/16" x 2" flanged head screw, 5/16" washer, and 5/16" lock nut from front bow as shown.
- Align the handle tube so holes in the hexagonal bar and handle tube line up.
- Insert handle tube onto hex tube and fasten using 5/16" x 2" flanged head screw, 5/16" washer, and 5/16" lock nut.
- TIGHTEN bolts and nuts.



Step 9 – Install Ladder Stop

- Using the hardware in both bows, bolt ladder stop in orientation shown. **Be sure to place the tab on the ladder stop into the slot on the bow.**
- Ladder stop may be installed on other set of PEM studs, closer to the center of the vehicle if desired.
- TIGHTEN hardware.

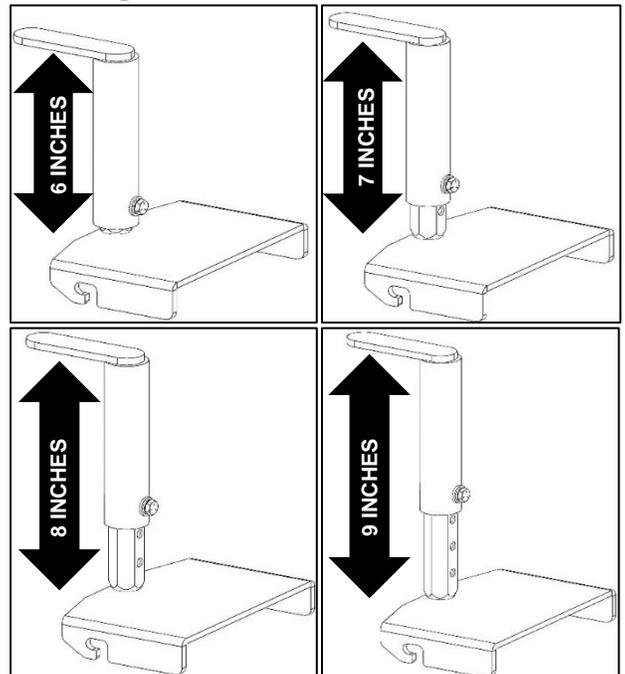


Step 10 – Assemble Ladder Hooks

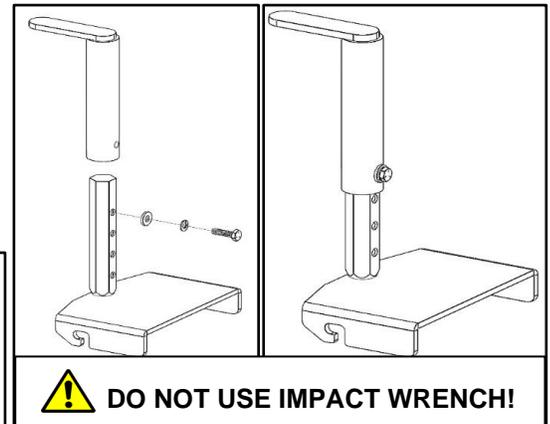
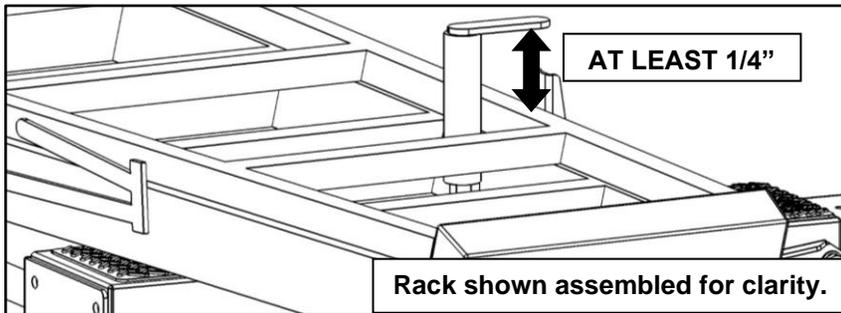
Note: Before use the ladder hook must be adjusted to an appropriate height for the ladder that will be used. The height of the hook needs to be at least 1/4" greater than the ladder. The ladder should fit loosely on the hook, not snug.

- Measure the thickness of the ladder that will be used and determine the appropriate mounting hole on the ladder hook weldment that will allow for a loose fit.
- **Be sure the height of the hook is AT LEAST 1/4" GREATER THAN the thickness of your ladder.**
- If you are unsure of the thickness of the ladder that will be used, set the height of the hook to the highest setting (9 inches) and adjust it later.

NOTE: Roof height clearance is affected by the hook mounting location used. Please verify and be aware of the total height of the vehicle with rack installed.

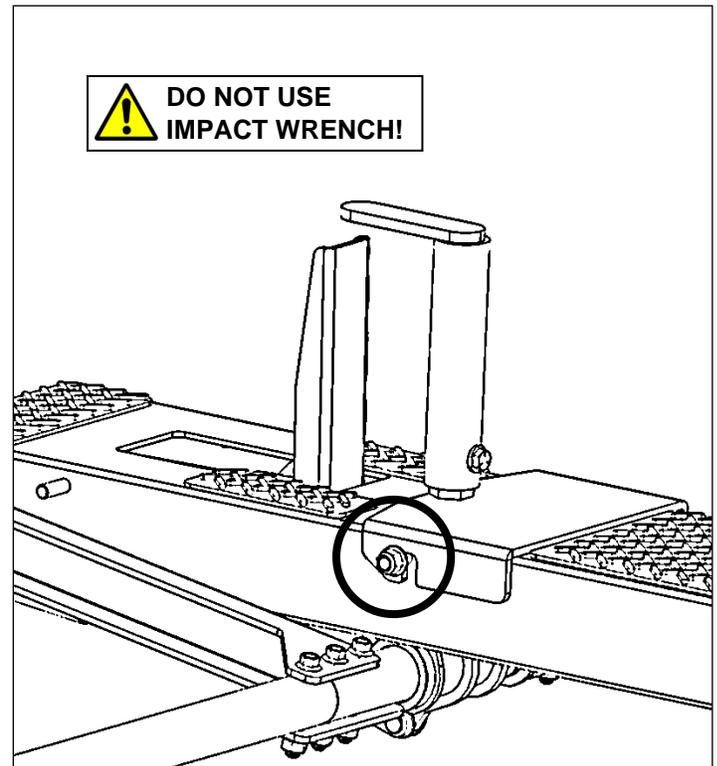
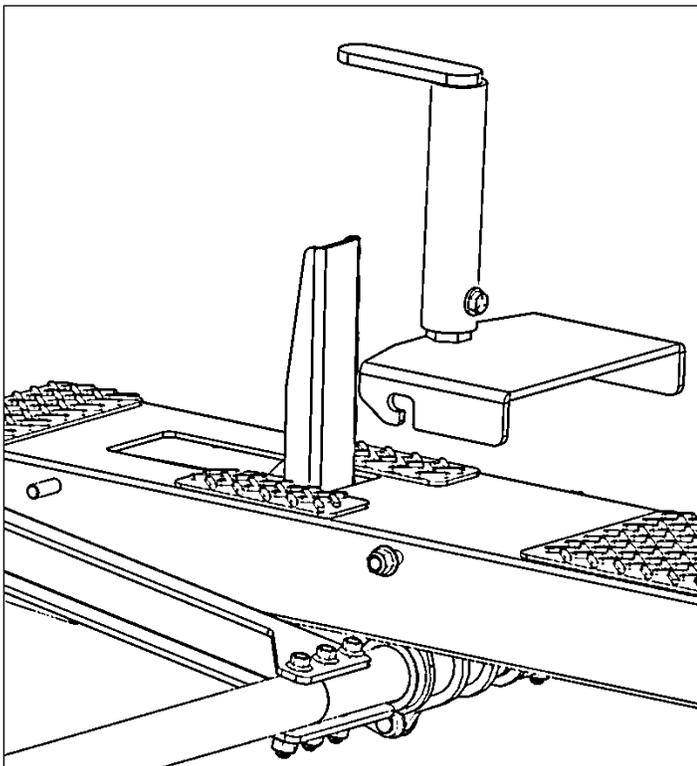


- Using a 1/4" x 1" hex head, a 1/4" lock washer and a 1/4" flat washer, bolt ladder hook assembly to ladder hook weldment using the previously determined mounting location.
- Tighten.



Step 11 – Install Ladder Hooks

- Using the installed studs and lock nuts on both bows, loosen nuts and slide ladder hook assembly into place.
- **TIGHTEN** lock nuts. **DO NOT USE IMPACT WRENCH!**



GO BACK AND ENSURE ALL HARDWARE IS TIGHTENED.

ASSEMBLY AND INSTALLATION ARE COMPLETE.