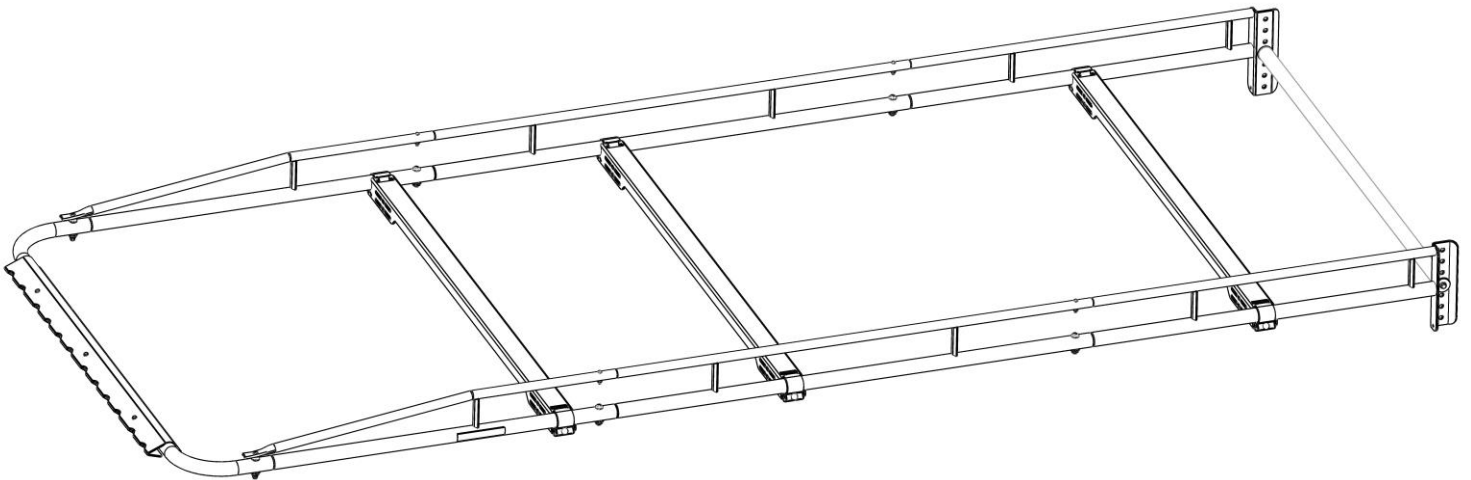


# Holman

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## Instruction Guide 8016A

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Holman  
Rancho Cordova, CA 95742  
800-343-7486

[InstallationSupport@Holman.com](mailto:InstallationSupport@Holman.com)

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

## Warning



**DO NOT EXCEED MANUFACTURERS WEIGHT CAPACITY FOR ROOF.**



**Secure all payloads properly for safe transportation.**

## Tools Needed

7/16", 1/2", 9/16" Sockets and Wrench	7/16", 1/2", 9/16" Box Wrenches
#2 Philips Screwdriver	5/32", 5/16" Allen Hex Wrenches

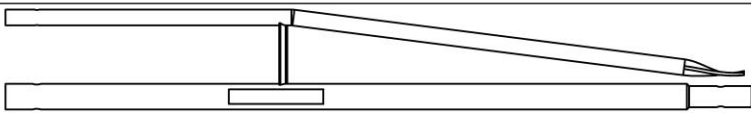

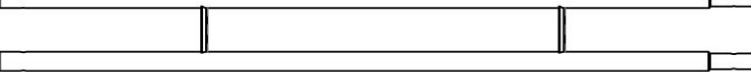
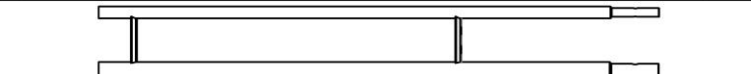



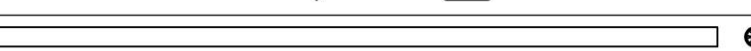

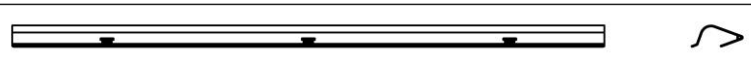

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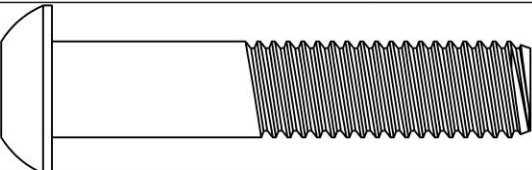
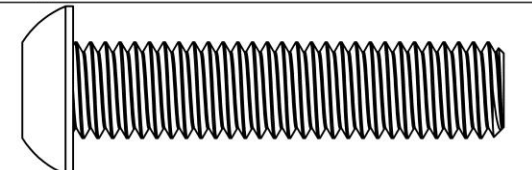
## Before You Begin

- Read all instructions prior to assembling or installing any Holman product.
- Always locate your installation locations prior to performing any work.
- **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.**
- **HAVE THE MOUNTING KIT INSTALLED TO VEHICLE PRIOR TO INSTALLING THIS RACK.**
- **PROPER SEALANT APPLICATION IS CRITICAL TO PREVENTING WATER PENETRATION INSIDE THE RACK. Apply a healthy bead of sealant entirely around every swaged joint and every bolt going through tubing. Improper sealing can lead to water penetration and rust on inside surfaces.**

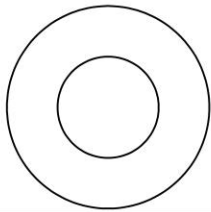
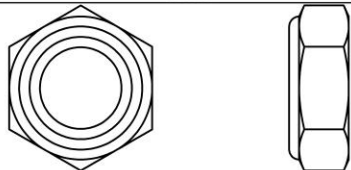
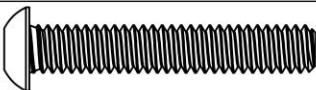

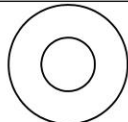
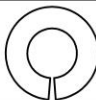
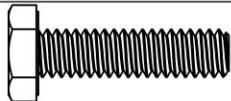
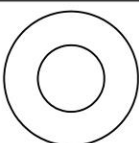
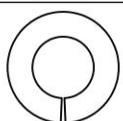
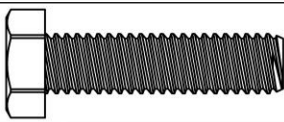
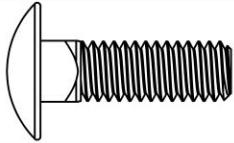

## Parts

NO.	ITEM	PART NUMBER	DESCRIPTION	QTY.
1		101988	Front Side Channel, PS	1
2		101989	Front Side Channel, DS	1
3		8000A-02	60" Center Side Channel	2
4		8000A-03	Rear Side Channel	2
5		8016A-003	64" Front Tube	1
6		8016A-01	64" Crossbar Weldment	3
7		8000A-010	Side Channel Clamp	6
8		8016A-02	64" Roller Bar	1
9		8000A-014	Roller Bar Bracket	2
10		101715	Wind Deflector, 50", 1.625" Tubing, Aluminum	1
11		8000A-017	Wind Deflector Clamp	3
12		18-8016A	Assembly Bolt Kit	1
13		18-8000A-RB	Roller Bar Bolt Kit	1
14		18-31571	Hardware Kit	1

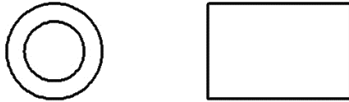
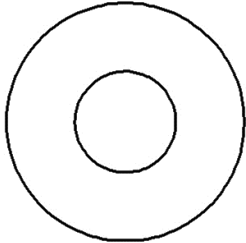
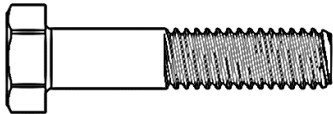
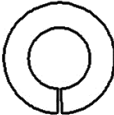
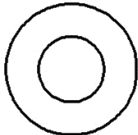
## Hardware (18-8016A)

ITEM	HARDWARE TO SCALE	PART NUMBER	DESCRIPTION	QTY.
1		92949A726	1/2"-13 x 2-1/2" Button Head Cap Screw	2
2		24114	1/2"-13 X 2-1/4" BUTTON HEAD	4
3		E6000	Self Leveling Adhesive Sealant	1

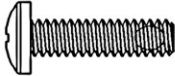
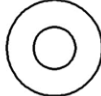
## Hardware (18-8016A) (Continued)

ITEM	HARDWARE TO SCALE	PART NUMBER	DESCRIPTION	QTY.
4		11541086	1/2" WASHER	6
5		37695	1/2"-13 THIN LOCKING JAM NUT	6
6		92949A546	1/4"-20 x 1-1/2" Button Head Cap Screw	4
7		92018A210	1/4"-20 FLANGED LOCK NUT	4
8		33078	1/4" FLAT WASHER	2
9		33618	1/4" LOCK WASHER	2
10		13005	1/4-20 X 1" HEX HEAD BOLT	2
11		33006	5/16" FLAT WASHER	2
12		1133620	5/16" LOCKING WASHER	2
13		11241180	5/16-18 X 1-1/4" HEX HEAD BOLT	2
14		21811	5/16-18 X 1" CARRIAGE BOLT	6
15		11104019	5/16-18 FLANGED NYLOCK NUT	6

## Hardware (18-8000A-RB)

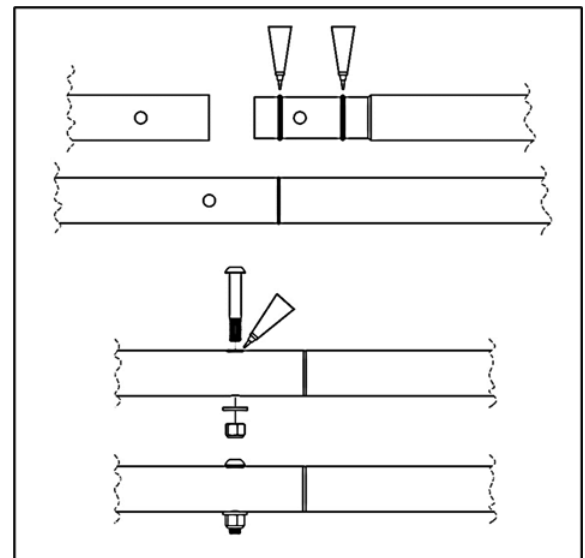
ITEM	HARDWARE TO SCALE	PART NUMBER	DESCRIPTION	QTY.
1		6391K406	OIL-EMBEDDED BRONZE SLEEVE BEARING	2
2		95611A287	CHEMICAL-RESISTANT PVC PLASTIC WASHER FOR 1/2" SCREW SZ, 0.562" ID, 1.75" OD, 0.053"-0.071" THK	4
3		11241181	5/16"-18 X 1-1/2" HEX HEAD BOLT	2
4		1171067	5/16" LOCKING WASHER	2
5		11545144	5/16" FLAT WASHER	2

## Hardware (18-31571)

ITEM	HARDWARE TO SCALE	PART NUMBER	DESCRIPTION	QTY.
1		0149489	10-32 X 3/4" PAN HEAD SCREW	3
2		33074	#10 FLAT WASHER	3

## Sealant Application

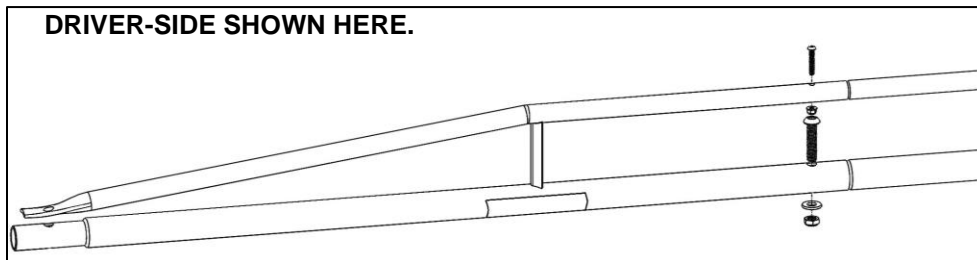
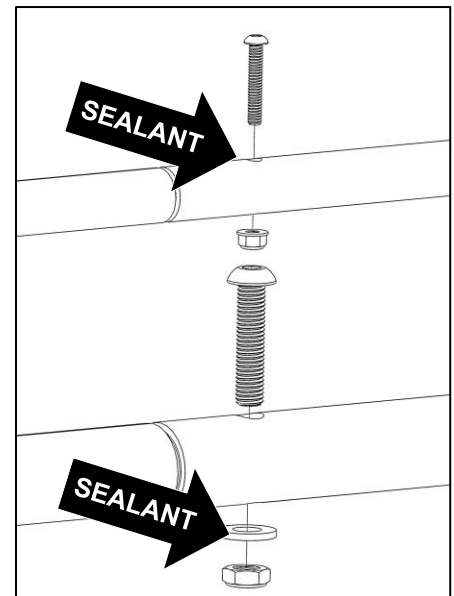
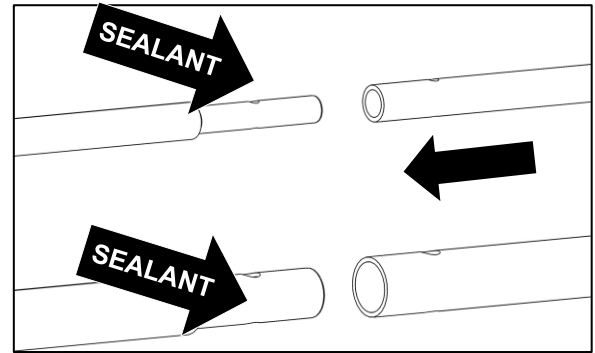
- Proper sealant application is critical to preventing water penetration inside the rack.
- Apply a healthy bead of sealant around every swaged joint as shown. Improper sealing can lead to water penetration and rust on inside surfaces.
- Wipe any excess sealant off immediately with a plastic scraper or paper towel. Any smeared sealant can be rubbed off as soon as sealant dries.
- Maintain this seal throughout the life of your rack.



## DO NOT EXCEED MANUFACTURERS WEIGHT CAPACITY FOR ROOF.

### Step 1 – Assemble Side Channels

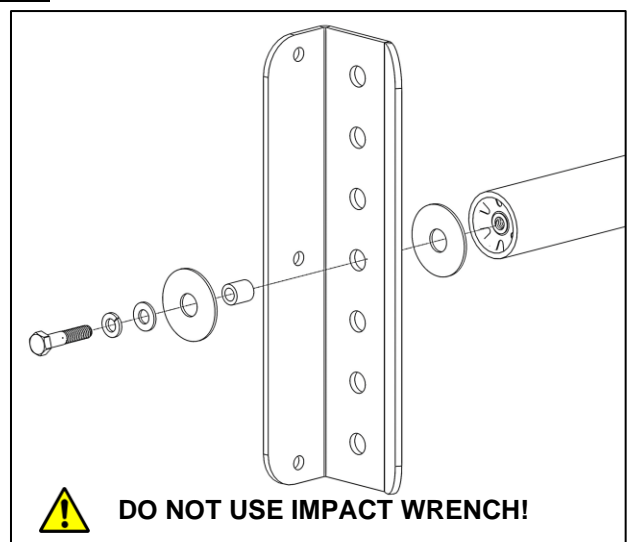
- Cover swage joints with sealant per Sealant Application guidelines. Push ends of front side channel onto swaged ends of center side channel.
- Using a 1/4" x 1-1/2" button head bolt and 1/4" flanged lock nut, bolt through upper side channel tubes.
- Using a 1/2" x 2-1/4" button head bolt, 1/2" flat washer, and 1/2" locking jam nut, bolt through lower side channel tubes.
- Remove excess sealant.
- Repeat for rear side channel.
- Repeat for opposite side channel.
- Tighten the bolts going through top and bottom side-channel tubes.



### Step 2 – Attach Roller Bar to Roller Bar Brackets

**Note:** The center roller bar mounting position is best for load bearing. Several positions are provided to accommodate different loading positions.

- Using a 5/16" x 1-1/2" hex head bolt, bolt through the following and into the roller bar.
  - a 5/16" lock washer,
  - a 5/16" flat washer,
  - two plastic washers (one on each side of roller bar bracket),
  - a roller bar bracket, and
  - a roller bearing,



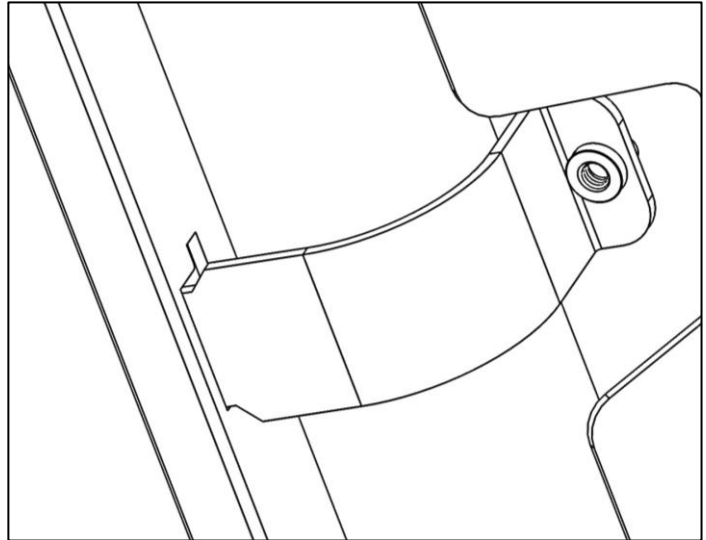
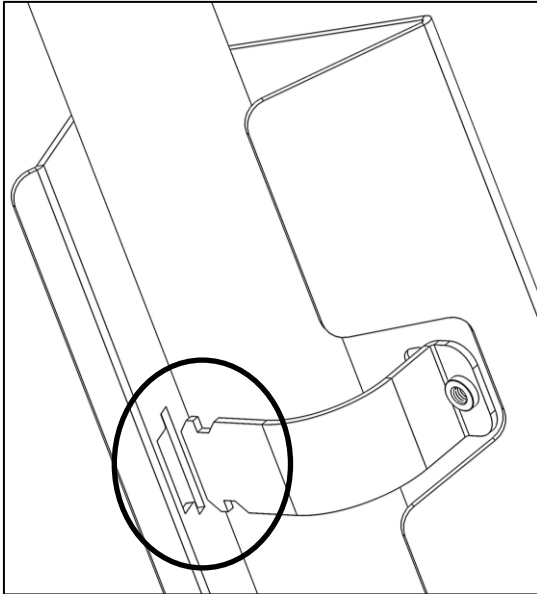
**Be sure flanges are facing away from each other and away from center of roller bar.**

- Repeat for opposite side.

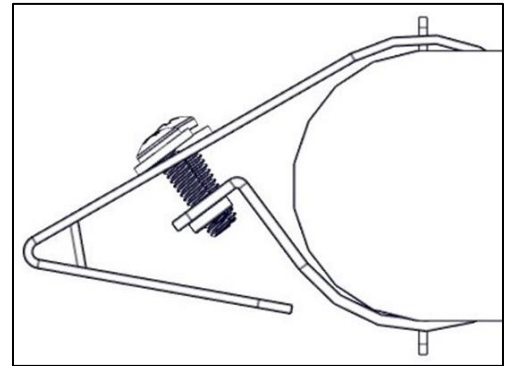


## **Step 3 – Attach Wind Deflector to Front Crossbar**

- Insert wind deflector clamp-retainer into cutout in wind deflector.



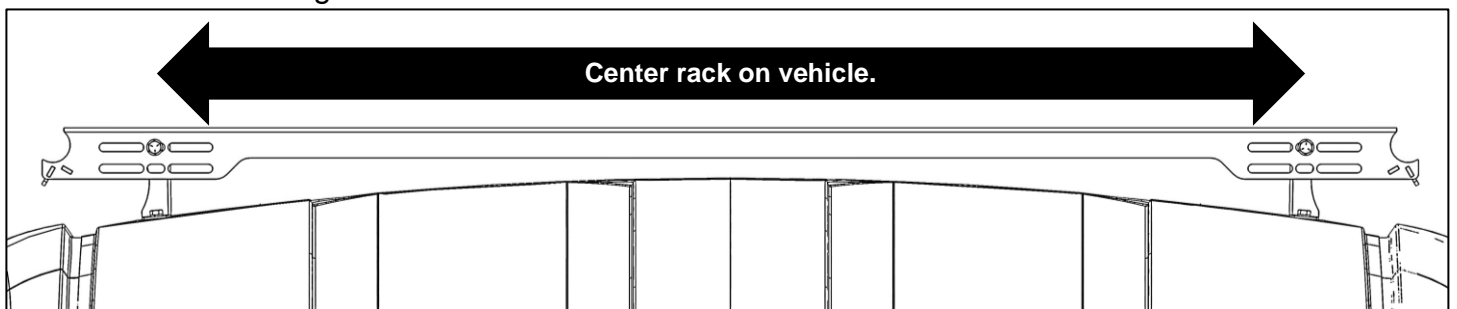
- Hold wind deflector in position with angled edge aimed towards front of vehicle.
- Use a #10 x 3/4" pan head screw and #10 washer to bolt through the wind deflector into the press nut in the clamp.
- Repeat for remaining two clamps.
- Tighten



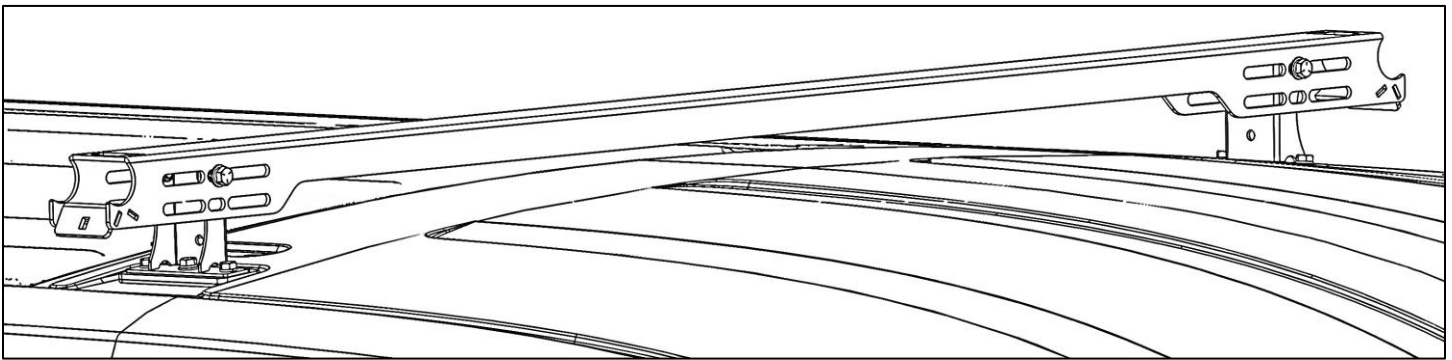
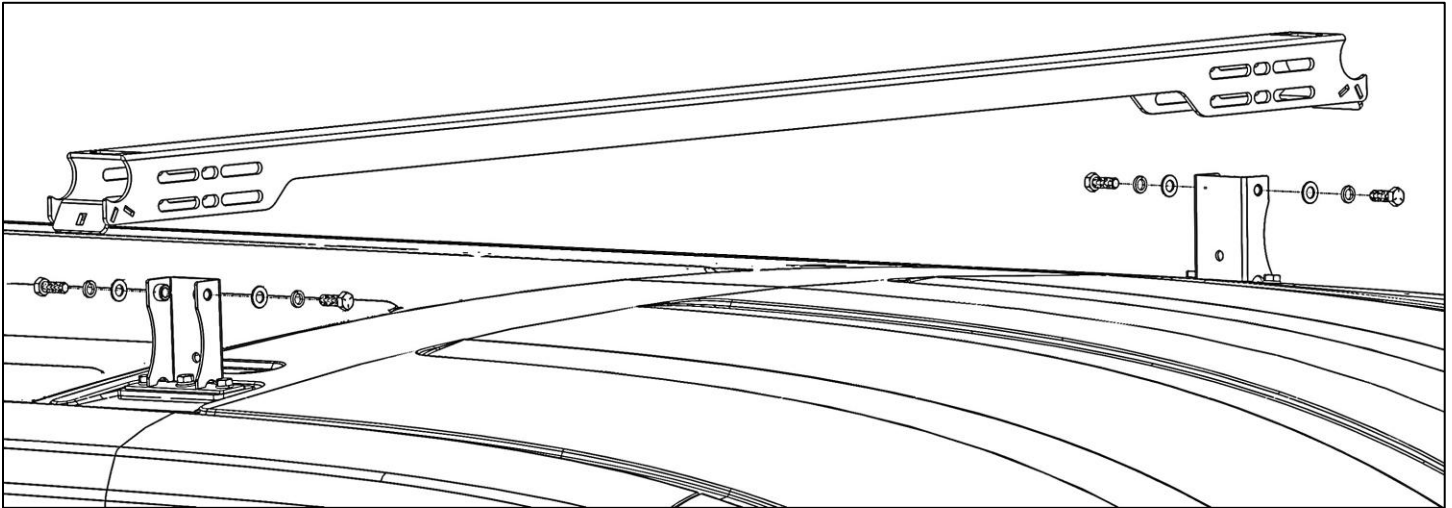
## **Step 4 – Install Crossbars To Feet**

**NOTE: HARDWARE TO ATTACH CROSSBARS TO FEET IS INCLUDED IN MOUNTING KIT.**

- Set crossbar onto feet. **Mounting feet may be installed into either upper or lower slots, based upon clearance required for vehicle.**
- Center crossbar right-to-left with feet and vehicle.

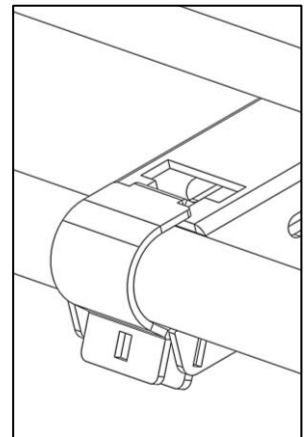
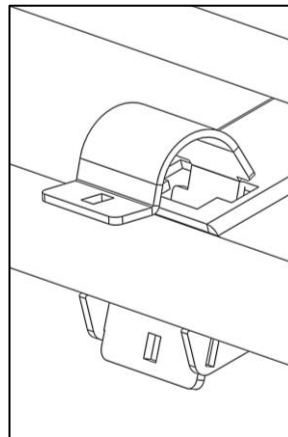
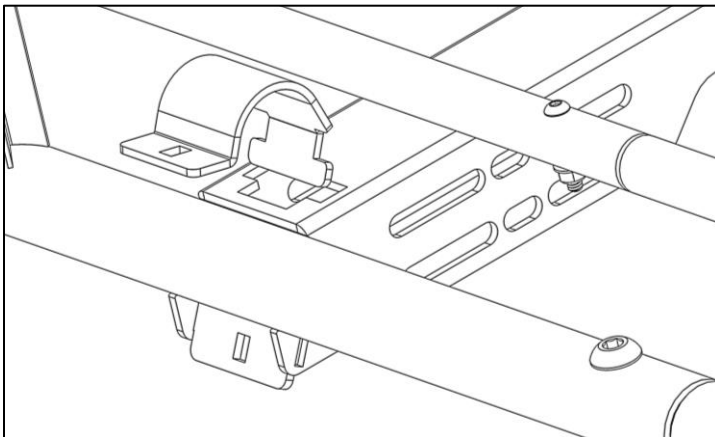


- Using 3/8" x 1" hex head bolts, 3/8" lock nuts, and 3/8" flat washers provided with mounting kit, bolt crossbar to feet.
- Tighten but allow movement.
- Repeat for all remaining crossbars.



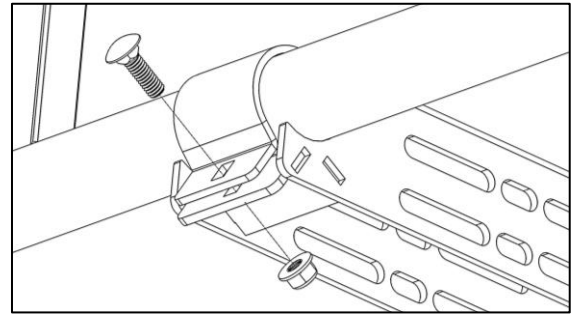
## **Step 5 – Attach Side Channels to Crossbars**

- Set side channel into round cutout in crossbars in desired position.
- Although rack position may be adjusted later, it is recommended to determine the front-to-back position of the rack at this point.
- Insert a side channel clamp into cutout in each crossbar with interior diameter facing upward.



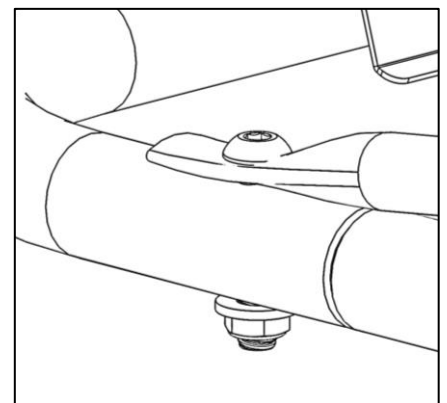
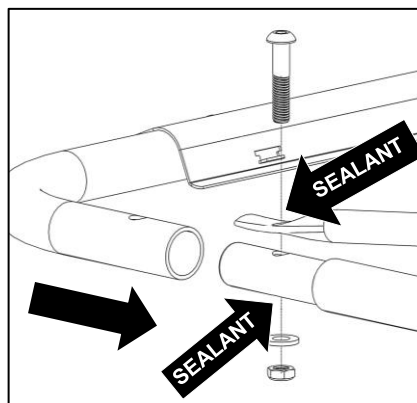


- For each side channel clamp, use a 5/16" x 1" carriage bolt and 5/16" flanged lock nut to bolt side channel clamp to crossbar.
- LOOSELY tighten.



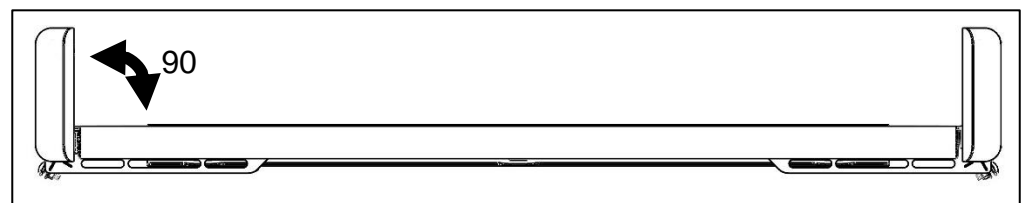
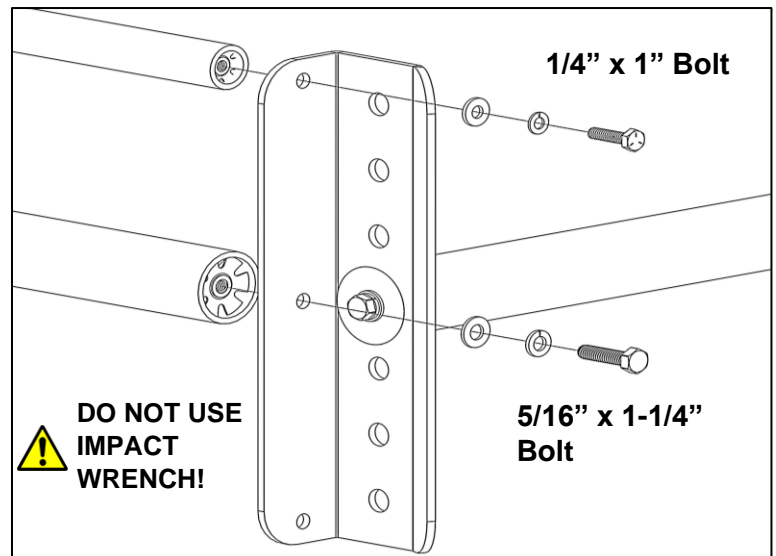
## Step 6 – Attach Front Crossbar

- Cover swage joints with sealant per Sealant Application guidelines. Push front crossbar onto swaged end of front side channel. **Be sure to align holes in both and be sure flat face of wind deflector is on top.**
- Using a 1/2" x 2-1/2" button head cap screw, 1/2" flat washer, and 1/2" locking jam nut, bolt through front side channel and front crossbar.
- Remove excess sealant.
- Tighten.
- Repeat for opposite side.

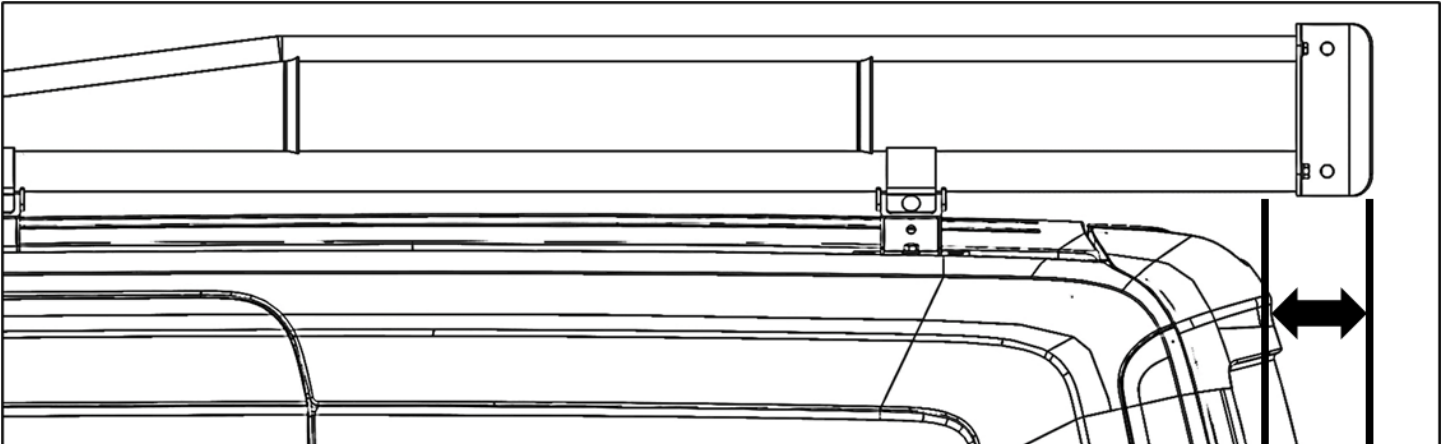


## Step 7 – Attach Roller Bar Assembly

- Using a 1/4" x 1" hex head bolt, 1/4" lock washer, and 1/4" flat washer, bolt through a TOP hole in the roller bar bracket into end of TOP rear side channel.
- Using a 5/16" x 1-1/4" hex head bolt, 5/16" lock washer, and 5/16" flat washer, bolt through a BOTTOM hole in the roller bar bracket into end of BOTTOM rear side channel.
- LOOSELY tighten hardware.
- Repeat for opposite side.
- **Check that the rack is square to the vehicle and mounts.**

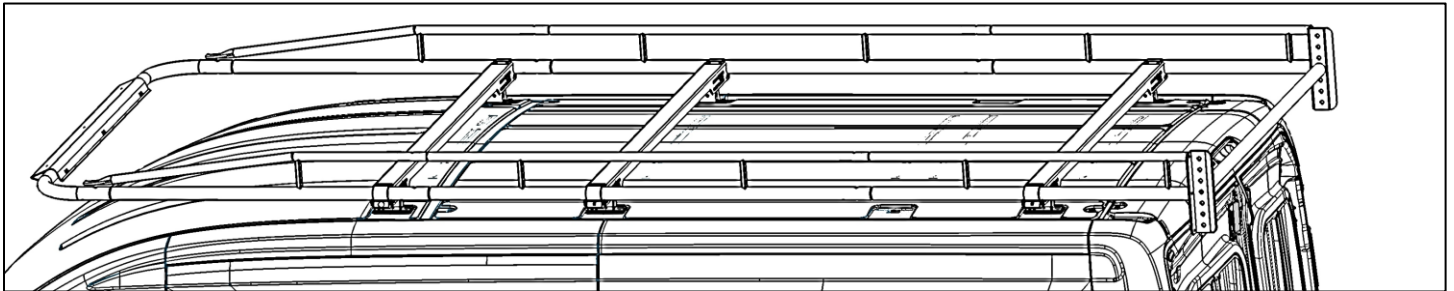


- Be sure the rear roller bar is hanging off the rear of the vehicle enough so that when placing a ladder on the rack, it does not come into contact with the rear of the vehicle.



**GO BACK AND TIGHTEN ALL HARDWARE.**

**INSTALLATION AND ASSEMBLY ARE COMPLETE.**



## **Roller Bar Alternate Positions**

**Note:** The center mounting position of the roller bar is recommended for maximum load bearing applications. Several locations are provided to accommodate different loading positions but at lower load accommodation.

