












# **THE STARLIGHT, THE SUNLIGHT, & THE MOONLIGHT**

**I N S T A L L   I N S T R U C T I O N S**

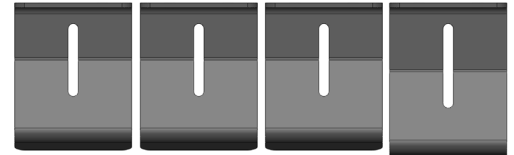
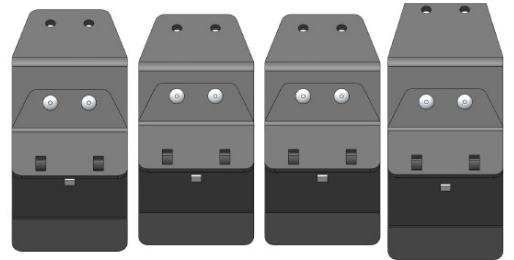
# HARDWARE CHECKLIST

STARLIGHT	24	36	16	6	24	16	68	24	2
SUNLIGHT	24	32	16	6	24	16	64	24	2
MOONLIGHT 33"/41"	12	20	8	6	16	8	40	12	2
MOONLIGHT 25"	12	16	8	6	16	8	36	12	2
	Carriage Bolt (1/4"-20x1")	Socket But- ton Bolt (1/4"-20x1")	Hex Bolt (1/4"- 20x7/16")	Socket But- ton Bolt (1/4"-20x1/2")	1/4-20" T-nut	1/4" Flat Washer (Silver)	1/4" Flat Washer (Black)	1/4-20 Ny- lock Nut	Hex bolt (1/4"- 20x9/16")
									

STARLIGHT /  
SUNLIGHT 8

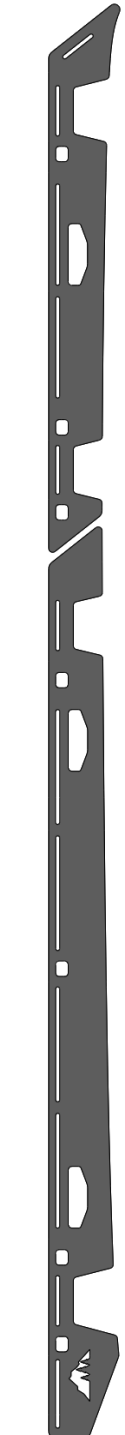
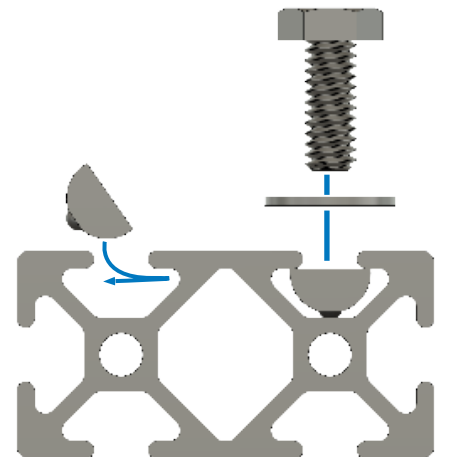
MOONLIGHT 4

Mounting  
Bracket  
Assemblies

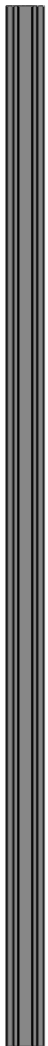


USE THE  
FOLLOWING JEEP  
INSTRUCTIONS  
UTILIZING  
RELEVANT  
COMPONENTS TO  
INSTALL YOUR  
RACK

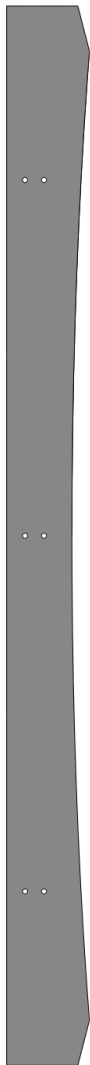
## USING TNUTS



Sideplates  
Appearance  
Varies



Extrusion  
Crossbars



Wind Fairing  
w/ Edge Trim



## BEFORE YOU BEGIN

Want a step-by-step walkthrough? Want to hear the sweet sound of Chase's voice? There is a comprehensive installation instruction video available for this roof rack.

### ***Sherpa Equipment website:***

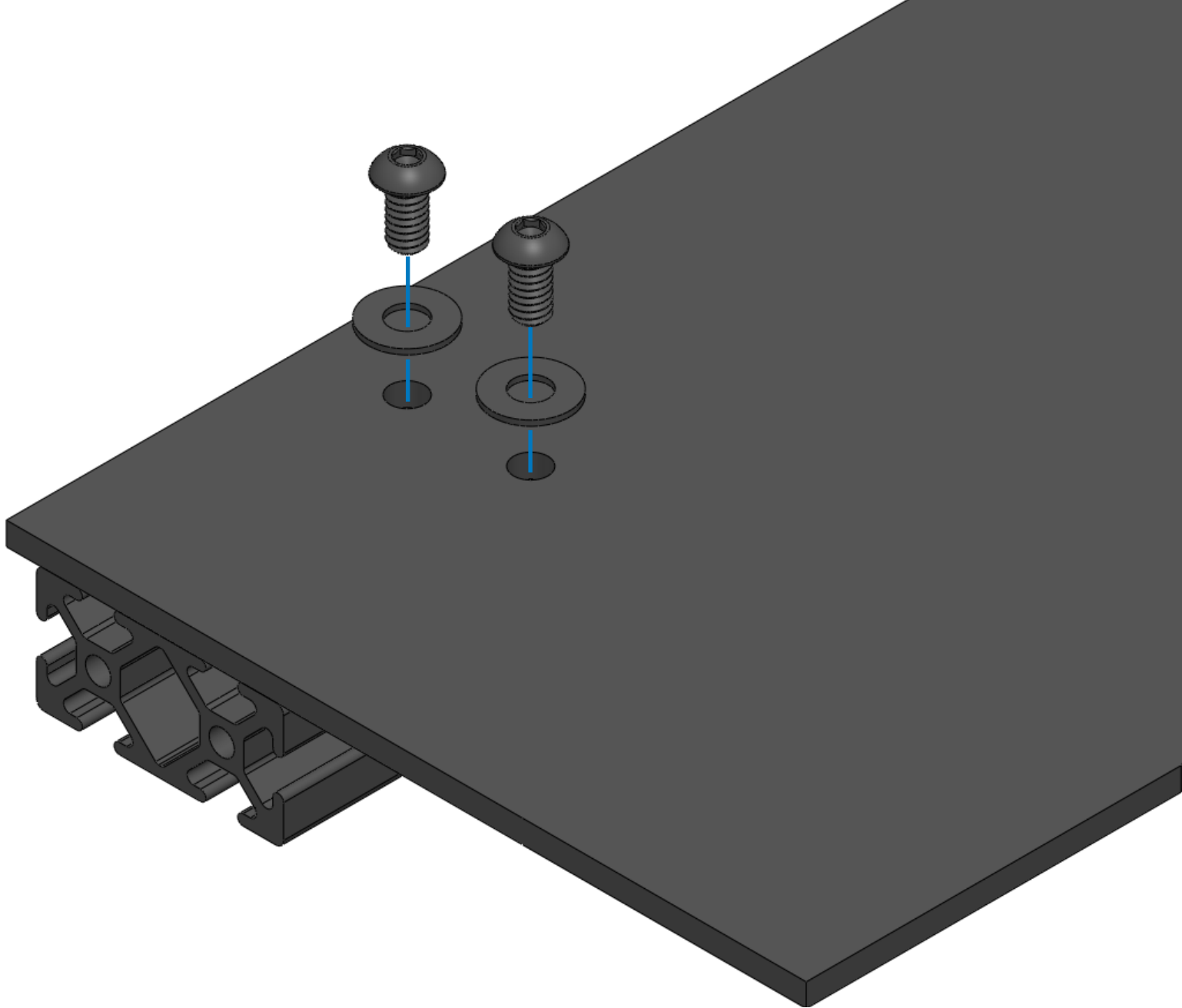
<https://sherpaequipmentco.com/instructions>

### ***Youtube:***

<https://www.youtube.com/@sherpaec>

### ***NOTE:***

The **maximum load capacity** of this roof rack is **150 lbs**, per the vehicle manufacturer's recommendation.



## FAIRING ASSEMBLY

Required Components:

**6x** 1/4"-20 x 1/2"

**6x** 1/4" Flat Washers

**6x** Tnuts

Drop 6 tnuts into the slots on the crossbar and line them up with the holes in the fairing. Secure with six 1/4"-20 x 1/2" socket button bolts and washers.

## MOUNT ASSEMBLY 01

Required Components:

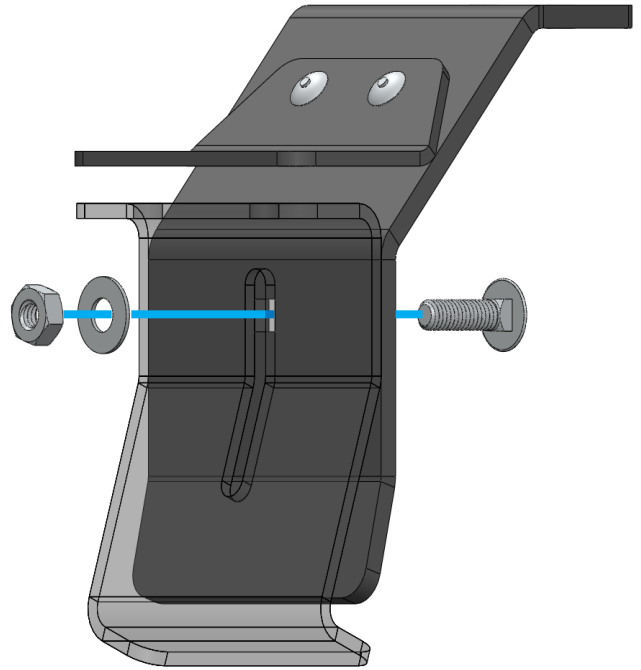
24x Carriage bolt 1/4"-20 x 1"

24x Flat Washer

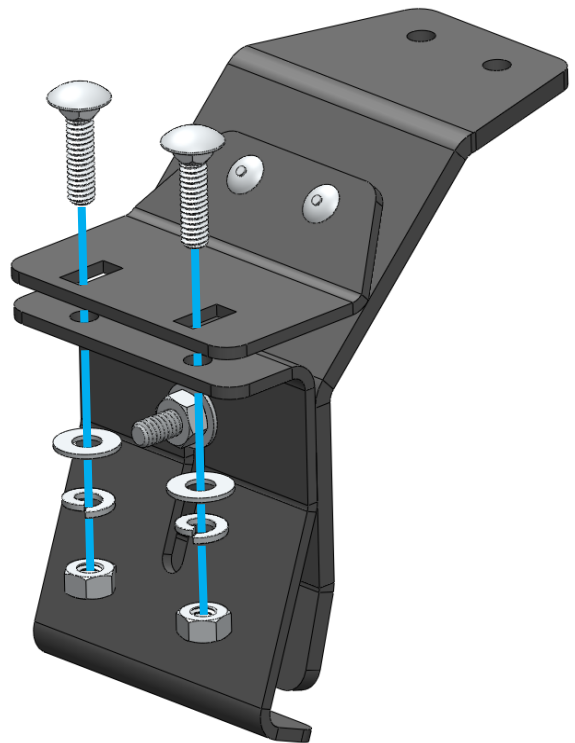
24x 1/4"-20 Hex Nut

16x Split Washer

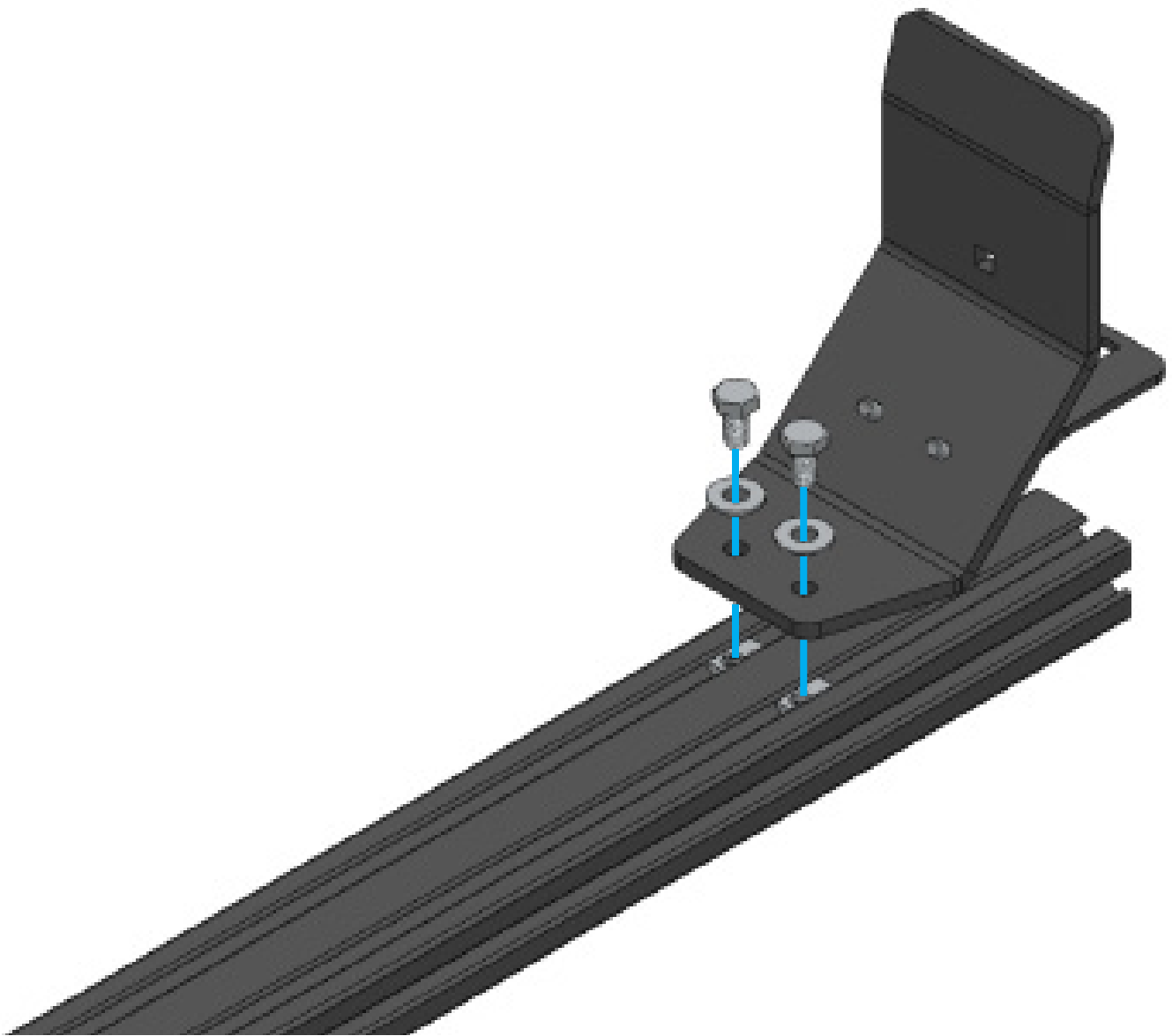
Assemble according to the diagrams.



### 1. HORIZONTAL HARDWARE SET



### 2. VERTICAL HARDWARE SETS



## MOUNT ASSEMBLY 02

Required Components:

**16x** 1/4"-20 x 7/16"

**16x** 1/4" Flat Washers

**16x** 1/4" T-nuts

Secure the tops of the mounting brackets to the wide faces of the crossbars using the supplied T-nuts, 7/16" hex bolts, and flat washers.

Leave the hardware that attaches the mount to the crossbar loose. This will make it easier when placing the rack on the truck.

## ROOF DIAGRAM

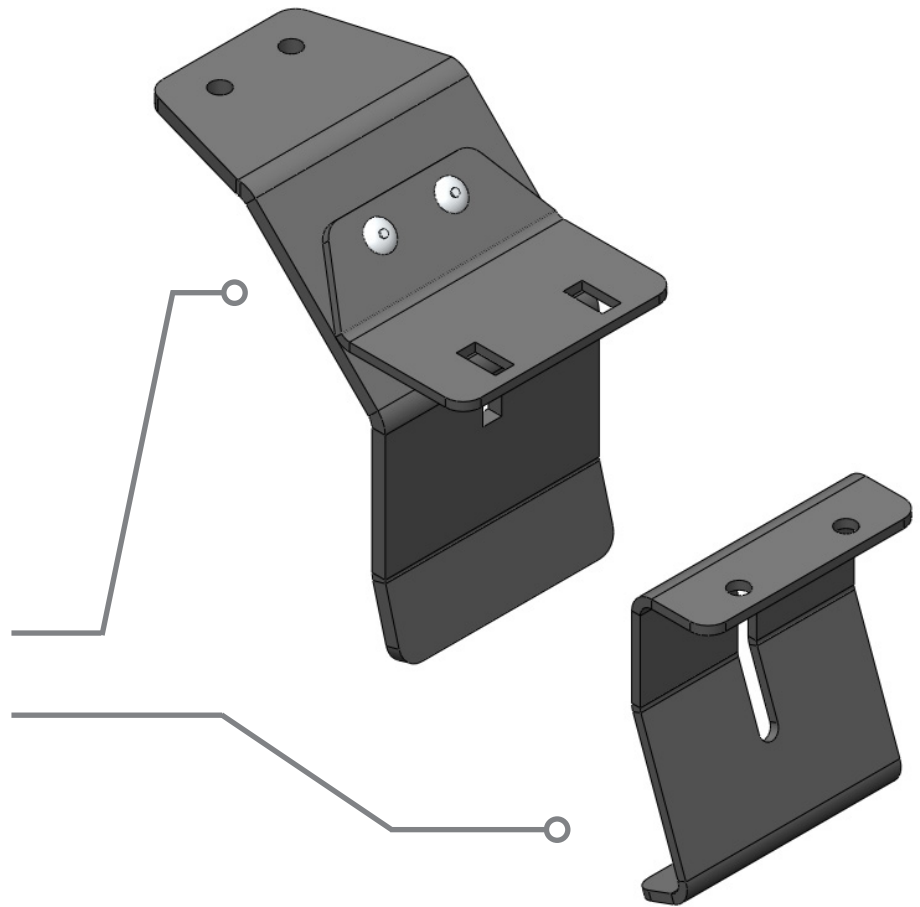
The image below can be used as a guide on where the mounts sit in relation to the vehicle, which ensures the best fitment and functionality of the rack.

Notice that the mounting brackets are not all the same. Your rack should include the following mounts:

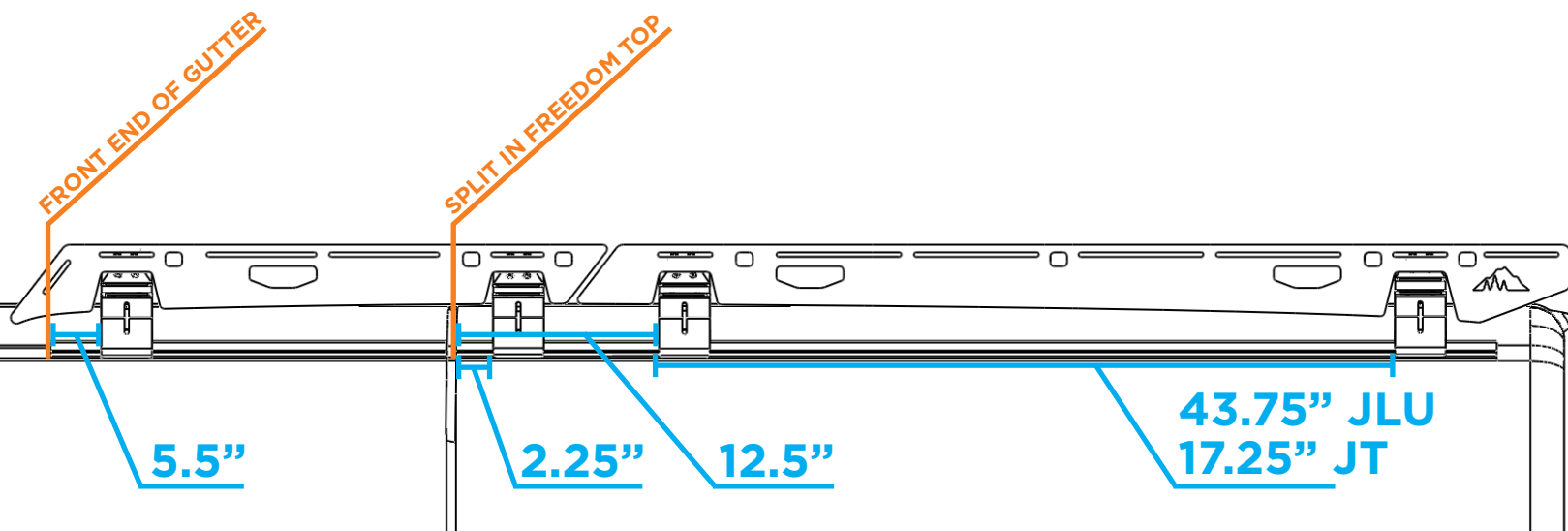
- 2x Front Mount (F)
- 4x Middle Mounts (M)
- 2x Rear (R)

The mounts will have their respective markings on the top flange.

There will be six 'short' outer clamps for the front and middle mounts. The rear mounts will utilize the two taller clamps.



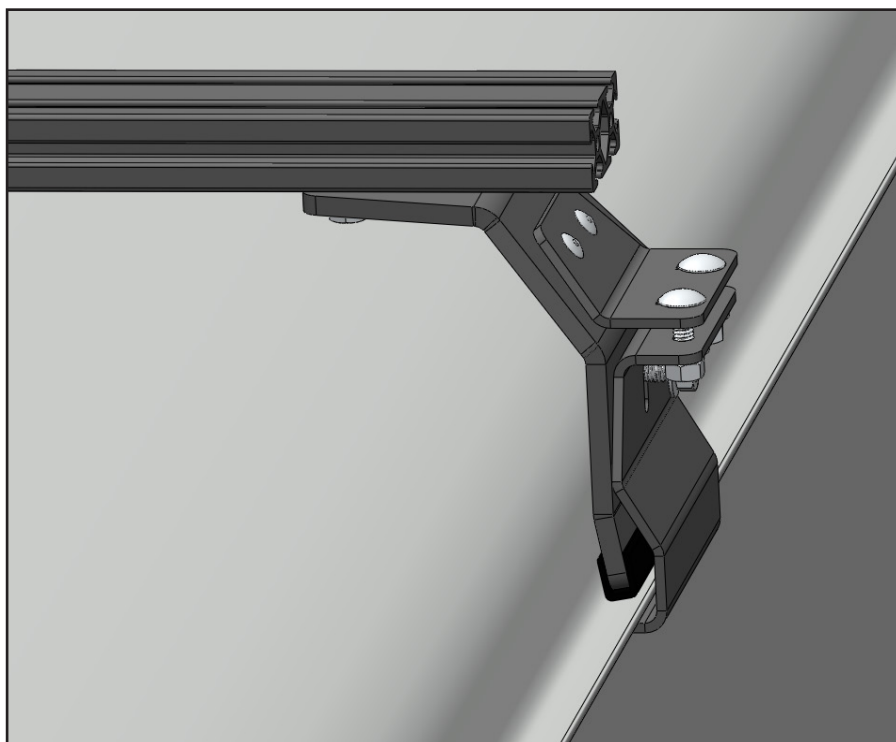
The [measurements](#) below are approximate. Final placement of the mounts will result from where the fairing and sideplates best fit on the vehicle.





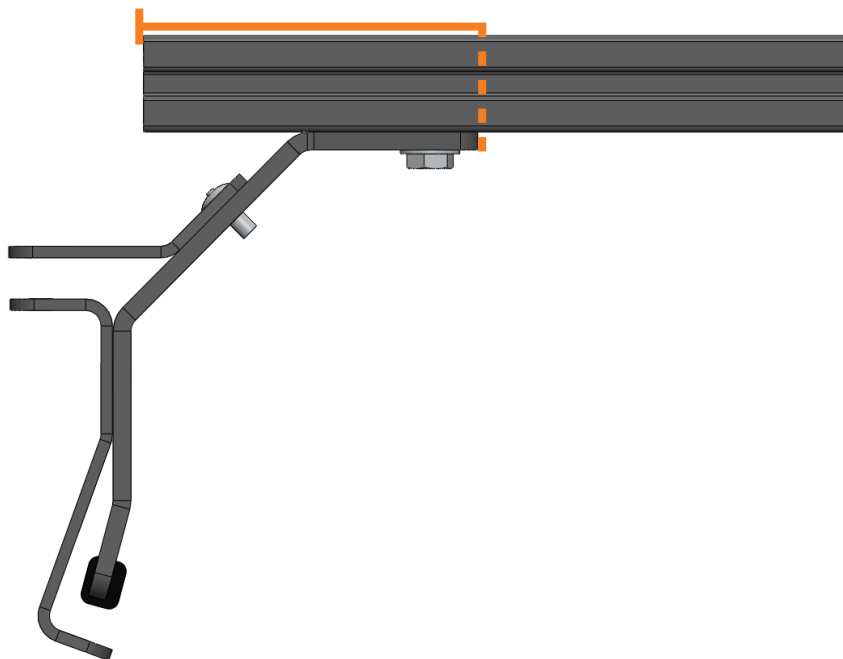
## MOUNT ASSEMBLY 03

With the mounting assemblies still loosely attached to the crossbars, place the edge-trimmed mounting foot into the rain gutter channel above the doors of the vehicle according to the diagram in the previous step. The outer clamp should sit loosely over the outside of the rain gutter.



## MOUNT ASSEMBLY 04

Center each of the four crossbars on the roof by measuring the **distance from the ends of the crossbar to the inside-edge of the mounting brackets** on either side of the vehicle. Slide the crossbar side-to-side in relation to the mounts until all are centered. Tighten the 1/4"-20 x 9/16" hex bolts on the underside of the mounting feet to secure the crossbars to the feet.







## SIDEPLATES

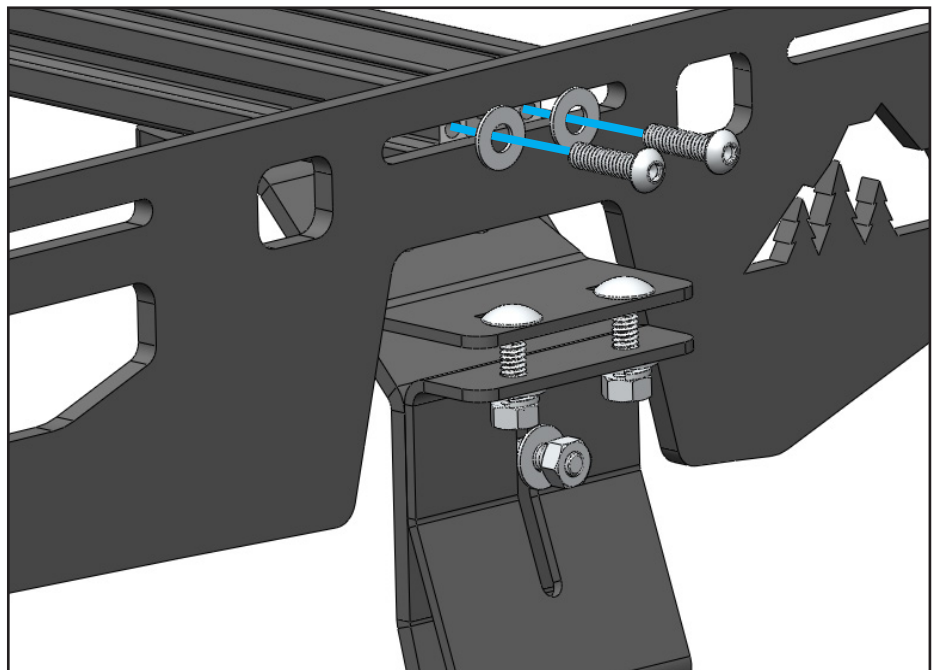
Required Components:

**16x** 1/4"-20 x 1" Socket Button

**16x** 1/4" Flat Washer

Fasten the sideplates to the ends of the four mounting-foot crossbars using the supplied 1" socket buttons and flat washers in the designated mounting slots.

Move the sideplate to the position where it best matches the curvature of the vehicle's roof. Installation of the wind fairing, which is outlined later in the installation guide, is a good way to ensure that the rack is placed in the correct location on the vehicle.



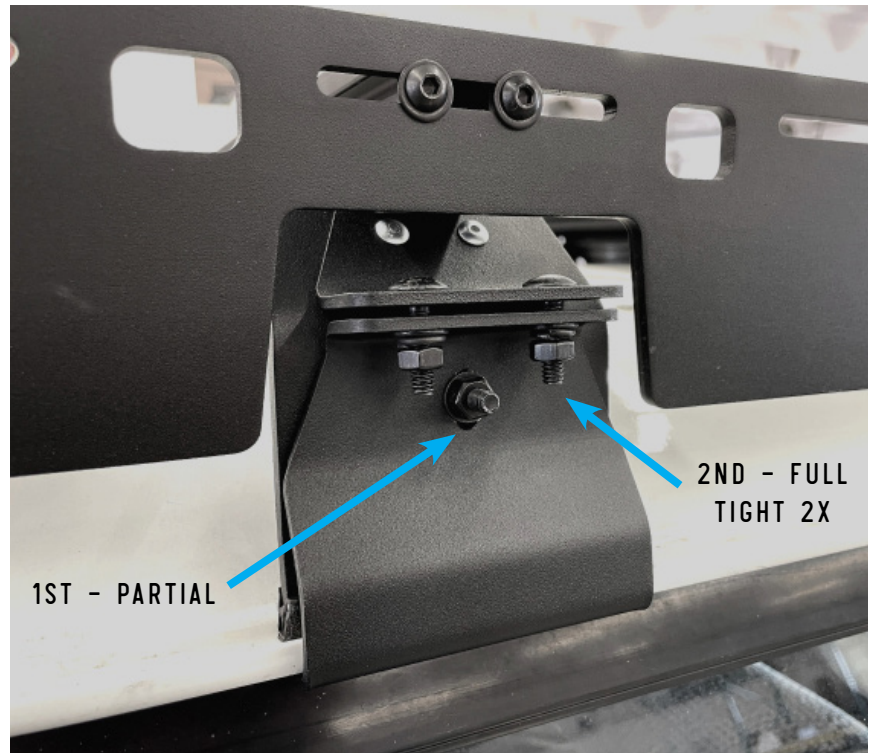
## MOUNT ASSEMBLY 05

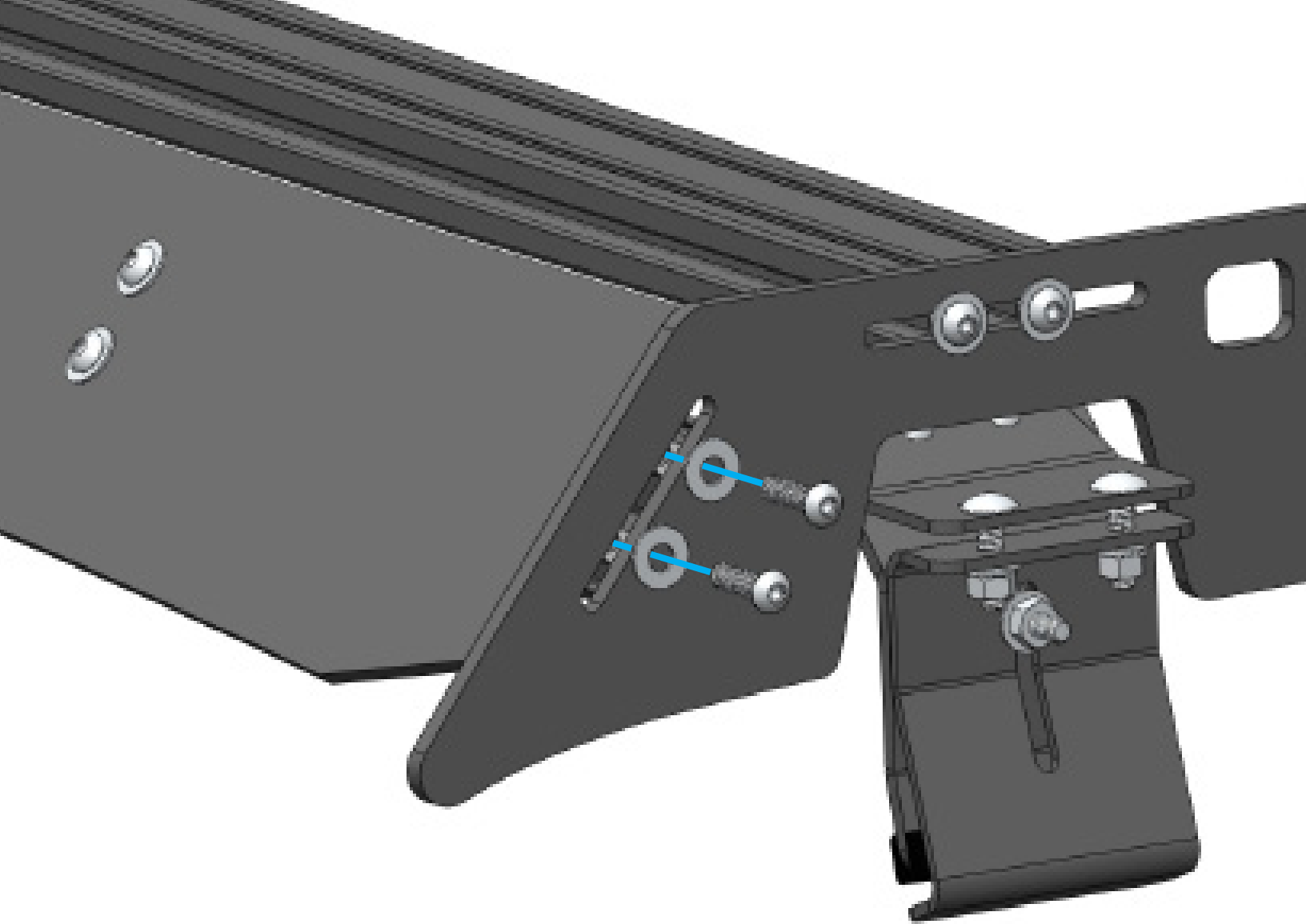
Once the rack is in its final resting location, tighten down the hardware on the mounts.

1. Tighten the horizontal set of hardware enough to where the outer clamping component sits flat to the inner foot but can still slide vertically

2. Tighten the vertical sets of hardware making sure the **bottom flange** of the outer clamping bracket is firmly mounted against the bottom surface of the rain gutter channel.

3. Completely tighten the horizontal hardware. All components at this stage should be rigidly mounted.





## WIND FAIRING

Required Components:

**4x** 1/4"-20 x 1" Socket button

**4x** 1/4" Flat Washers

Position the wind fairing in line with the diagonal slot at the front of the rack. Align the top edge of the fairing with the top radius of the roof rack and secure it using four 1" socket buttons and washers. Note that the wind fairing is NOT intended to sit on the vehicle's roof - a small gap of 1/4" is a good target.



## CROSSBARS

Required Components:

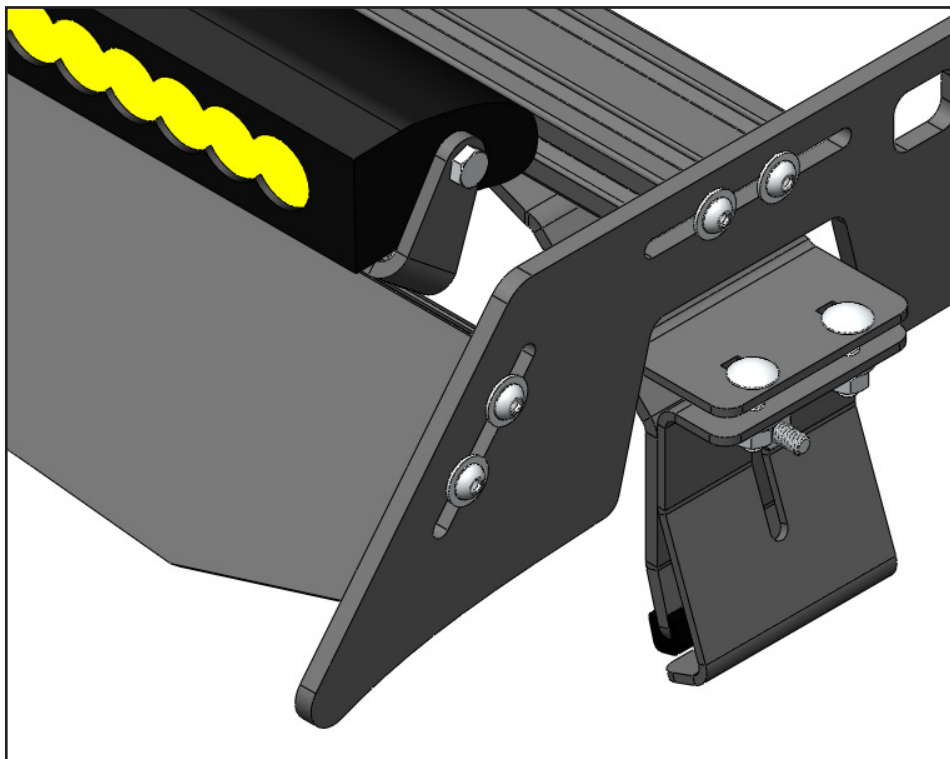
**16x** 1/4"-20 x 1" Socket Buttons

**16x** 1/4" Flat Washers

**4x** 56" Crossbars

Secure all of the remaining crossbars to the rack system using the 1" socket buttons and washers in the open slots in the sideplate. Position according to your load requirements.

For light bar applications with the half-sized fairing, the bracket can be installed on the fairing crossbar, or on the front mount crossbar.





## HALF RACK

Planning on taking the Freedom Tops off of your Jeep? The rear portion of the rack can be installed stand-alone to allow for plenty of storage and still have room in the cabin.

To remove the front half of the rack, simply loosen the three hex nuts down to the ends of the carriage bolt threads on each of the mounts. Lifting the front half is easiest with the assistance of another person.



# EXPLORE.



All products built and designed by Sherpa Equipment Company are intended for off-road use and should be assembled, installed, and used according to Sherpa Equipment Company's recommendations. Sherpa Equipment Companies products should be used safely with good judgment towards others and surroundings.

By installing Sherpa Equipment Companies products on your vehicle you assume all liability. Sherpa Equipment Company will not be held liable for damages or loss associated with the installation or use of its products. It is recommended that you inspect your roof rack within the first 100 miles of installation and every 500 miles after.