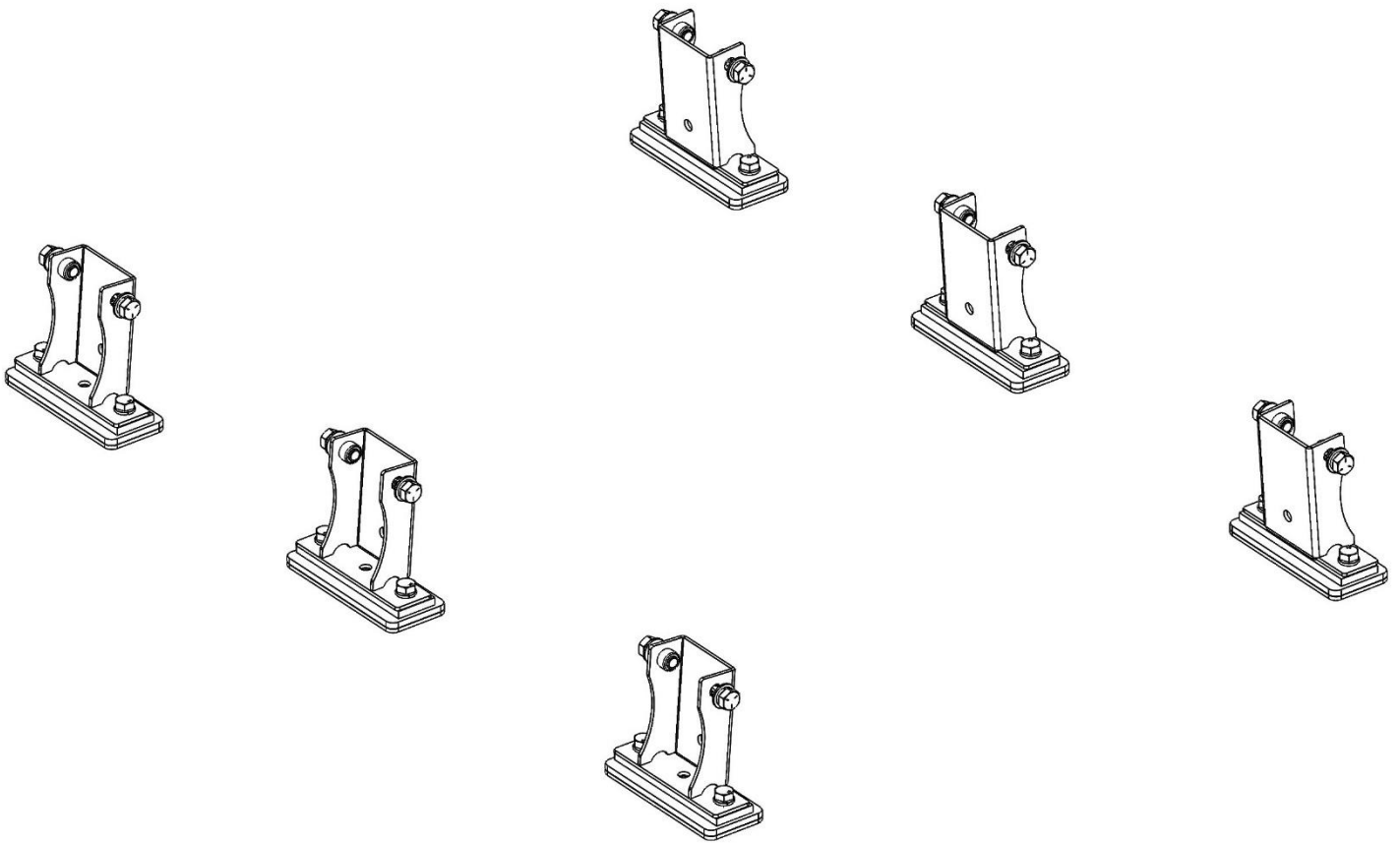


Holman

Installation Guide 4089T



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.

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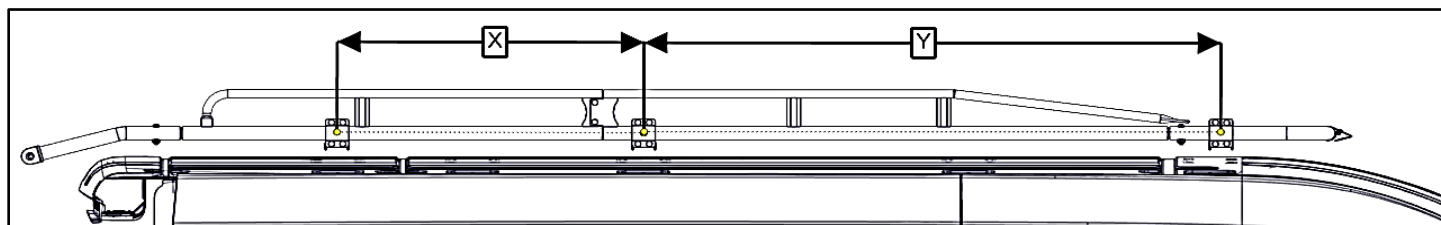
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Tools Needed

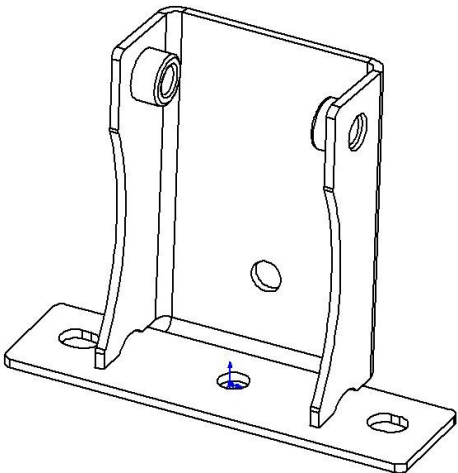
9/16" Socket and Wrench	13mm Socket and Wrench
Tape Measure	13mm Box Wrench

Before You Begin

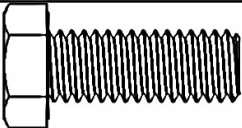

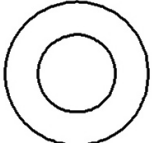
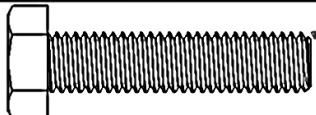
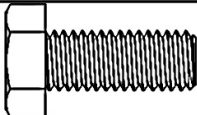

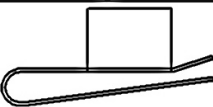

- Follow the instructions included in the ladder rack to assemble the ladder rack.
- There are different instructions for different vehicles. **Be sure to follow the proper installation instructions for your van.**
- If installing on Ford Transit or a Sprinter, be sure to put sealant around exposed holes in the roof. Place sealant between the roof and the rubber pads.**
- Some adjustment is going to be needed on the ladder rack itself to coordinate with the mount locations on the roof of the van. Use the dimensions measured from the roof mount locations and coordinate onto the rack crossbars (X & Y). Some slight adjustment will be needed once rack is placed onto roof.
- BE SURE TO ADJUST RACK FAR ENOUGH TO THE REAR SO REAR DOORS OPEN.**



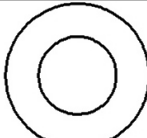
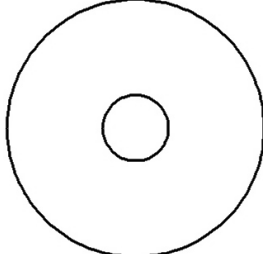
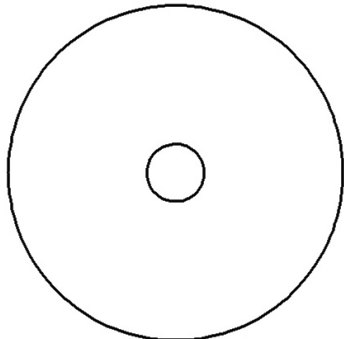
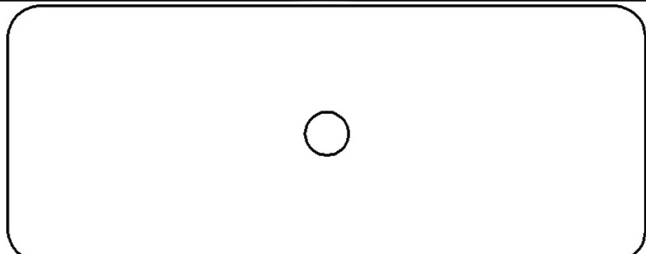
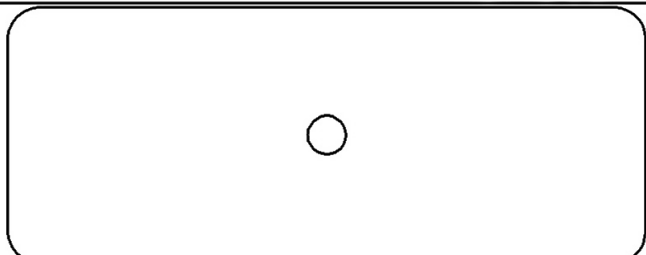
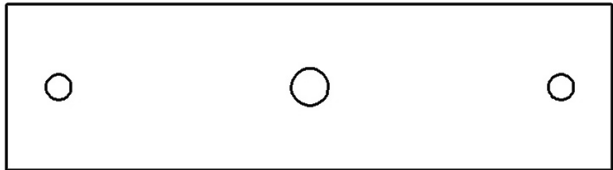
Parts List

NO.	ITEM	PART NUMBER	DESCRIPTION	QTY.
1		4089A-T0-004	TRANSIT 40890/8016A FOOT	6
2		18-4089T	4089T HARDWARE KIT	1

Hardware

ITEM	HARDWARE TO SCALE	PART NUMBER	DESCRIPTION	QTY.
1		11241197	3/8-16 X 1" HEX HEAD BOLT	12
2		0123496	3/8" SPLIT LOCK WASHER	12
3		0159723	3/8" FLAT WASHER	12
4		-	M8-1.25 X 35MM HEX HEAD BOLT	6
5		11552486	M8-1.25 X 20MM HEX HEAD BOLT	12
6		11511017	M8-1.25 NYLON NUT	6
7		-	M8 U- Nut	12
8		1133620	5/16" LOCKING WASHER	18

Hardware (Continued)

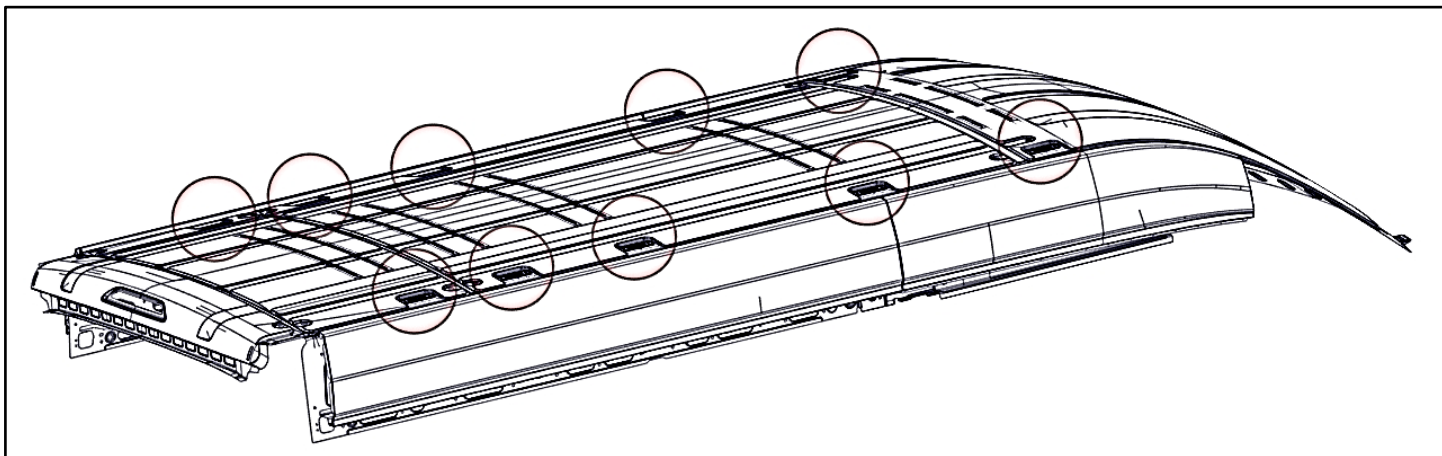
ITEM	HARDWARE TO SCALE	PART NUMBER	DESCRIPTION	QTY.
9		33006	5/16" FLAT WASHER	12
10		0189947	5/16" FENDER WASHER	6
11		-	5/16" RUBBER FENDER WASHER, 1-3/4" OD X 1/8" THK	6
12	 *NOT TO SCALE	T250-01	Transit Roof Plate	6
13	 *NOT TO SCALE	T249-02	Rubber	6
14	 *NOT TO SCALE	40821-10-004	3 Hole Rubber Pad	6
15		Sealant - 60 ml	Self Leveling Adhesive Sealant	1

DO NOT EXCEED MANUFACTURERS WEIGHT CAPACITY FOR ROOF!

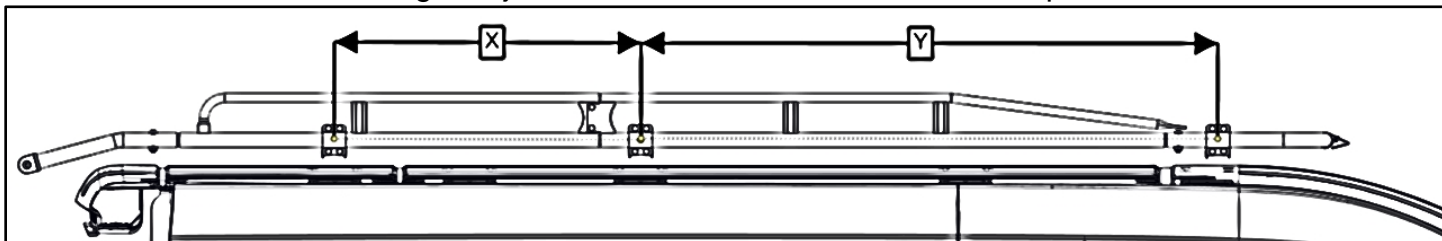
Step 1 – Determine Appropriate Mounting Locations

- Locate threaded embosses along the roof of the van.
- Use a tape measure to measure these locations.
- Compare these locations with the rack and determine which locations you would like to use. Shown below is the threaded embosses on a high roof, long wheelbase Transit for reference. Mount locations will vary dependent on which vehicle rack is mounted on.

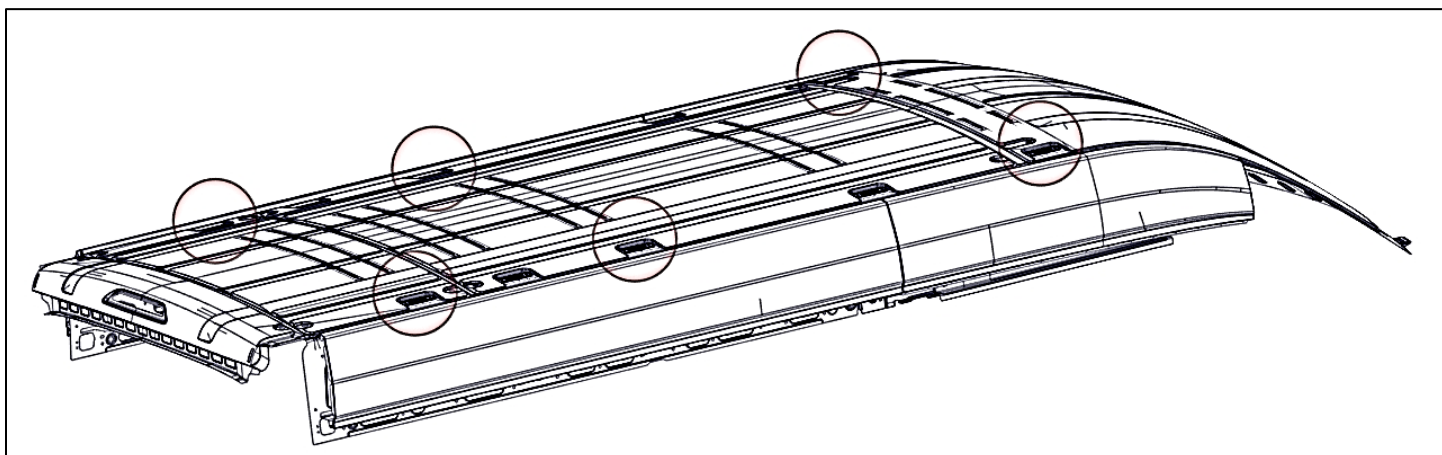
Note: We recommended using the rear most, middle and front most mount location on the Transit installations shown below.



- Use the dimensions (X & Y) measured from the roof mount locations and coordinate onto the rack crossbars. Some slight adjustment will be available once rack is placed onto roof.

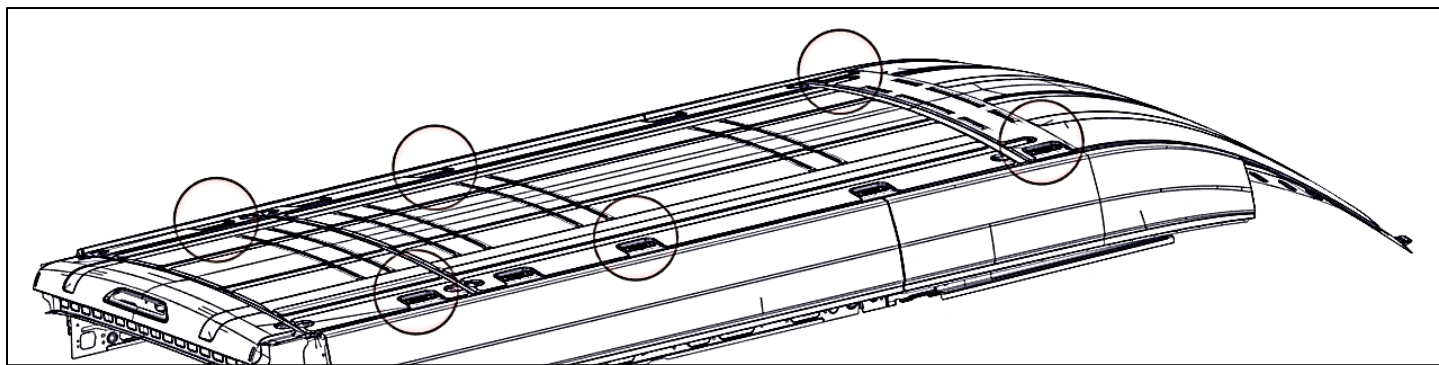
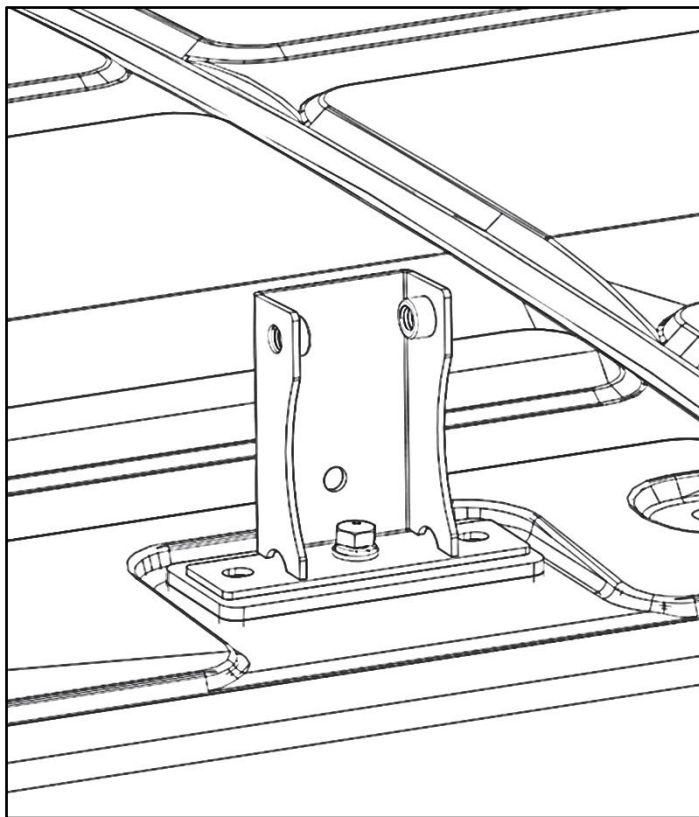
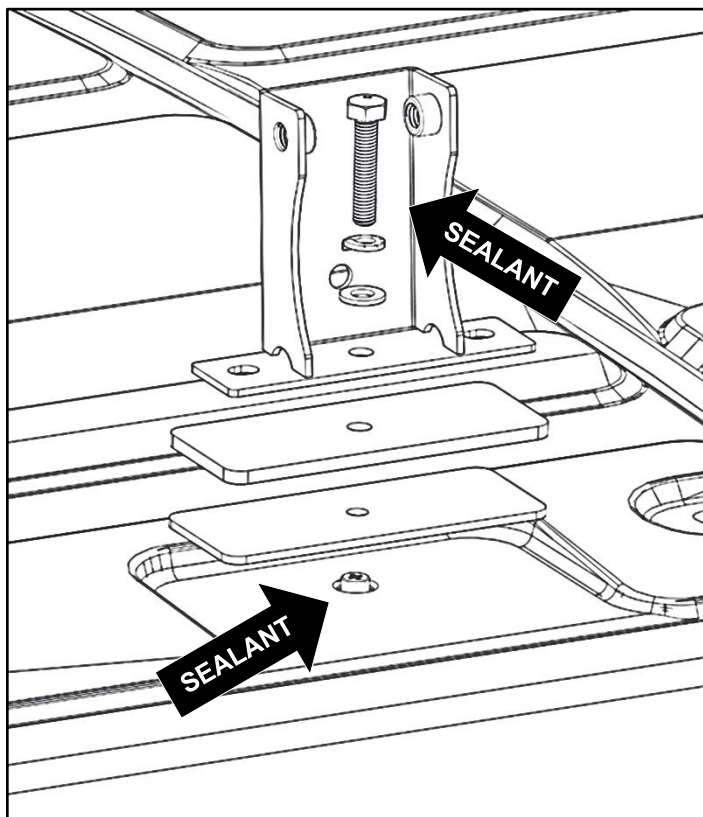


BE SURE TO ADJUST THE RACK FAR ENOUGH TO THE REAR TO ALLOW FULL FUNCTION OF THE REAR DOORS.



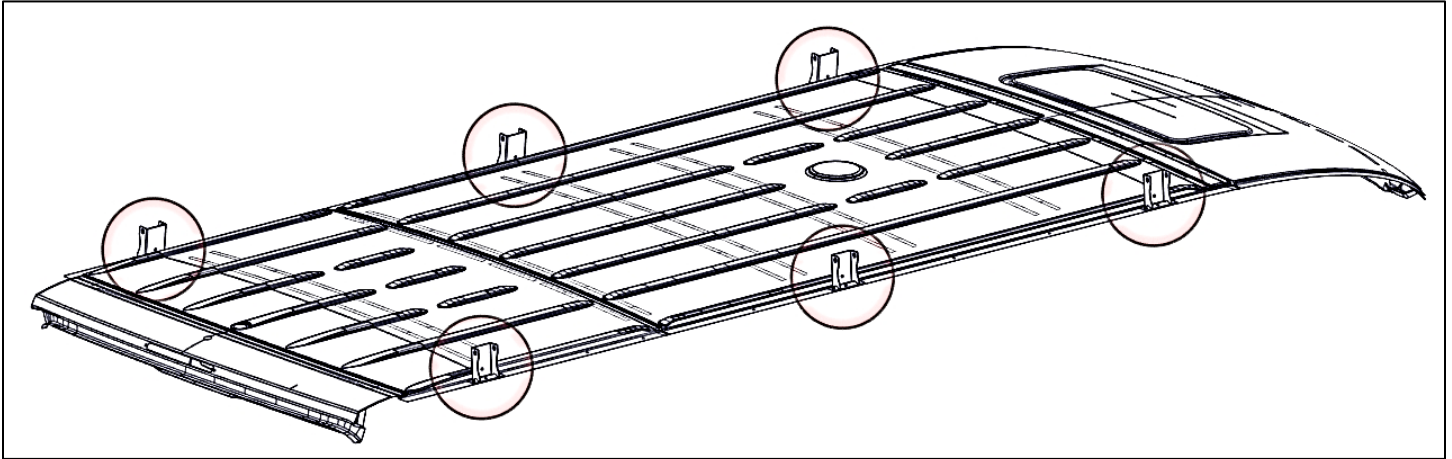
Step 2A – TRANSIT – Install Feet

- Insert M8 x 35mm hex head bolt through 5/16" lock washer, and 5/16" flat washer, foot, T250-01 roof plate, and T249-02 rubber pad.
- Apply sealant around threads of M8 x 35mm hex head bolt, bottom of rubber pad, and around threaded emboss in roof.
- Fasten bolt into the factory installed threaded holes in the roof, as shown. **If possible, have the opening of the foot facing to the outside of the van. Be sure the rubber pad is between the Transit roof plate and the van.**
- Snug tighten, but allow for movement.
- Repeat for all other mount locations.

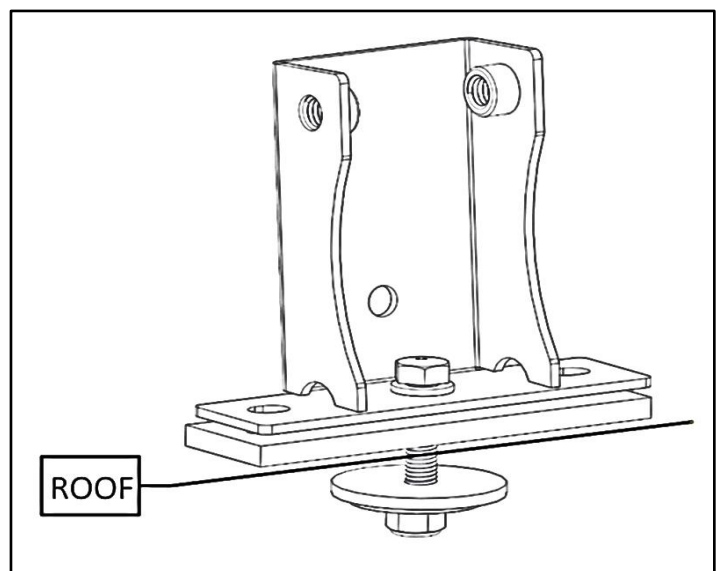
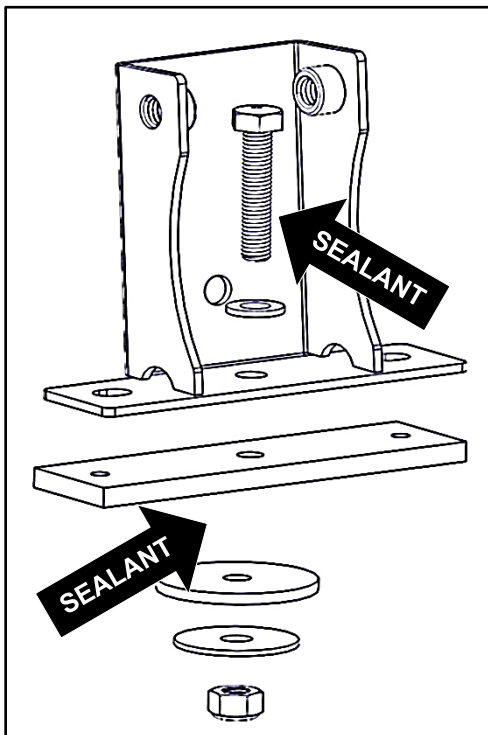


Step 2B – SPRINTER – Install Feet

- Locate the desired mount locations, or find the recommended location shown below.

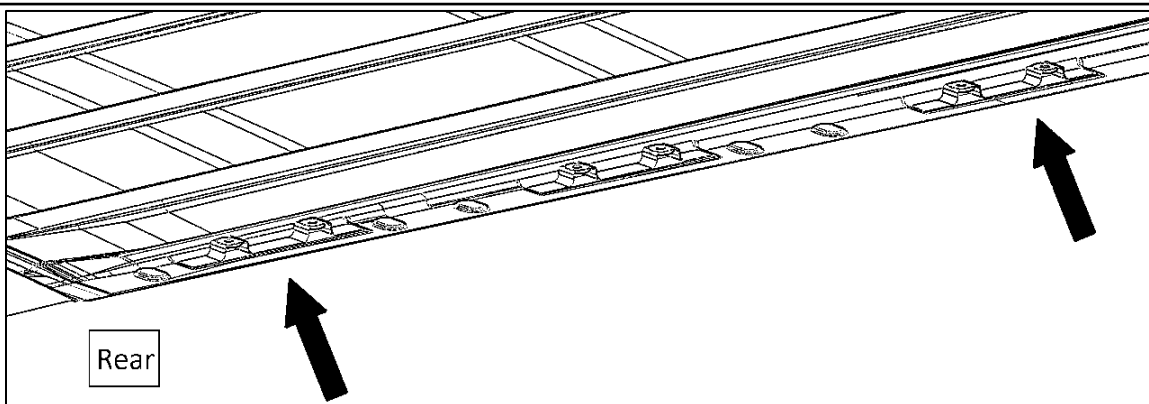
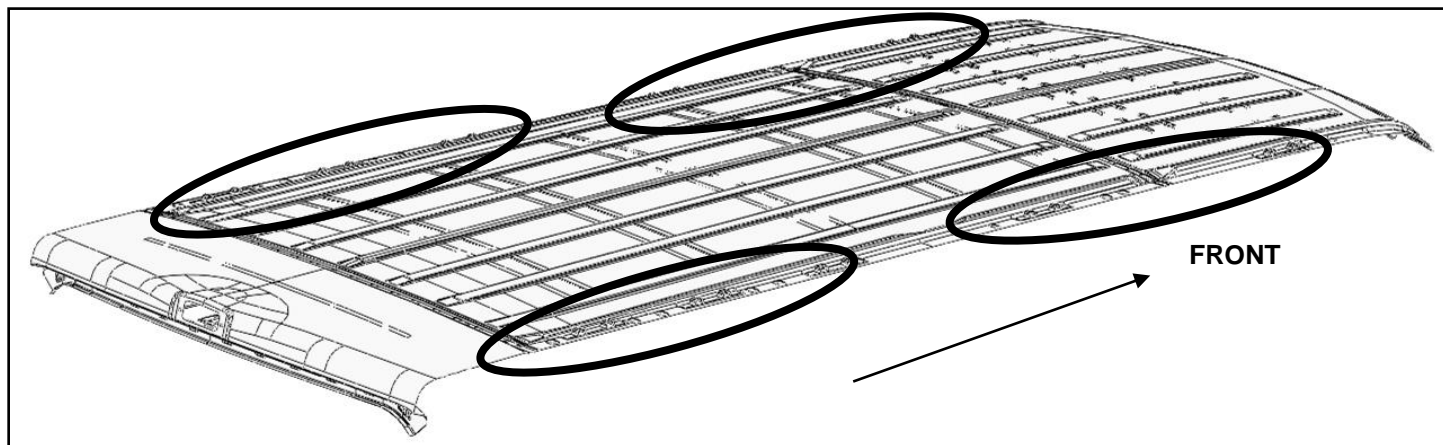


- Remove plug in roof at each desired mounting location.
- Insert a M8 x 35mm bolt through 5/16" flat washer, foot, and rubber pad.
- Apply sealant around threads of M8 x 35mm bolts, beneath rubber pad, and around hole in roof.
- On the inside of the van, install the rubber washer, fender washer and M8 lock nut to bolt.
- **Be sure to apply sealant in and around the mount locations in the roof to ensure no water gets into cabin of van.**
- If possible, have the opening of the foot facing to the outside of the van.
- Snug tighten, but allow for movement during rack installation.
- Repeat at all desired locations.

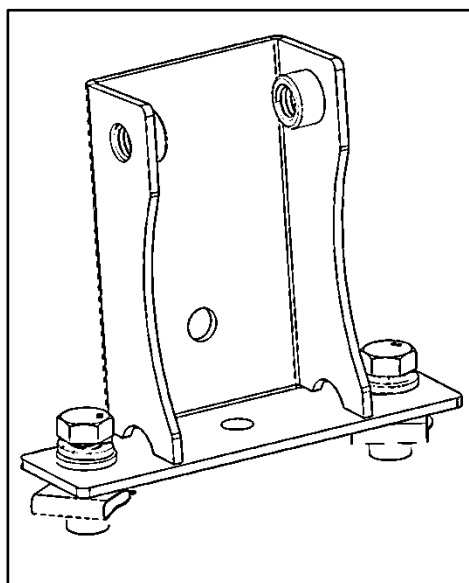
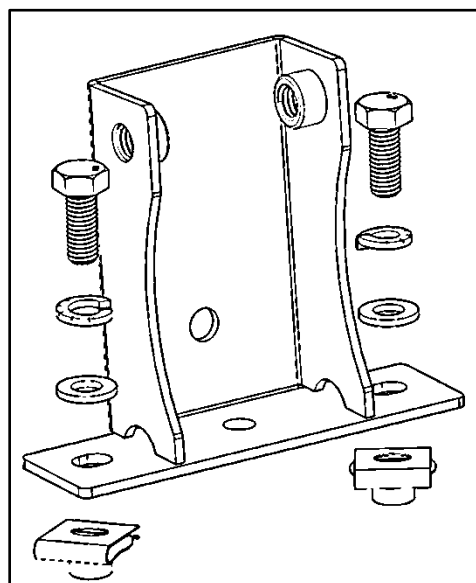


Step 2C – NV – Install Feet

- Determine best mount locations for your application, then locate nut mounts along the outer edge of the roof of the van.

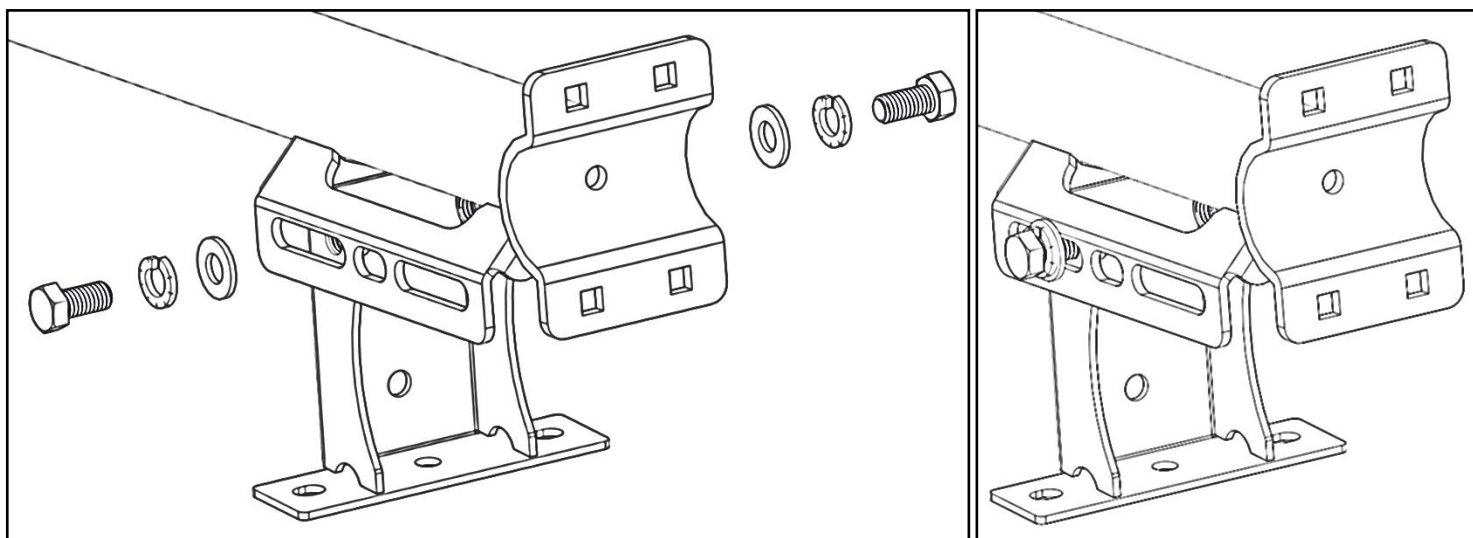
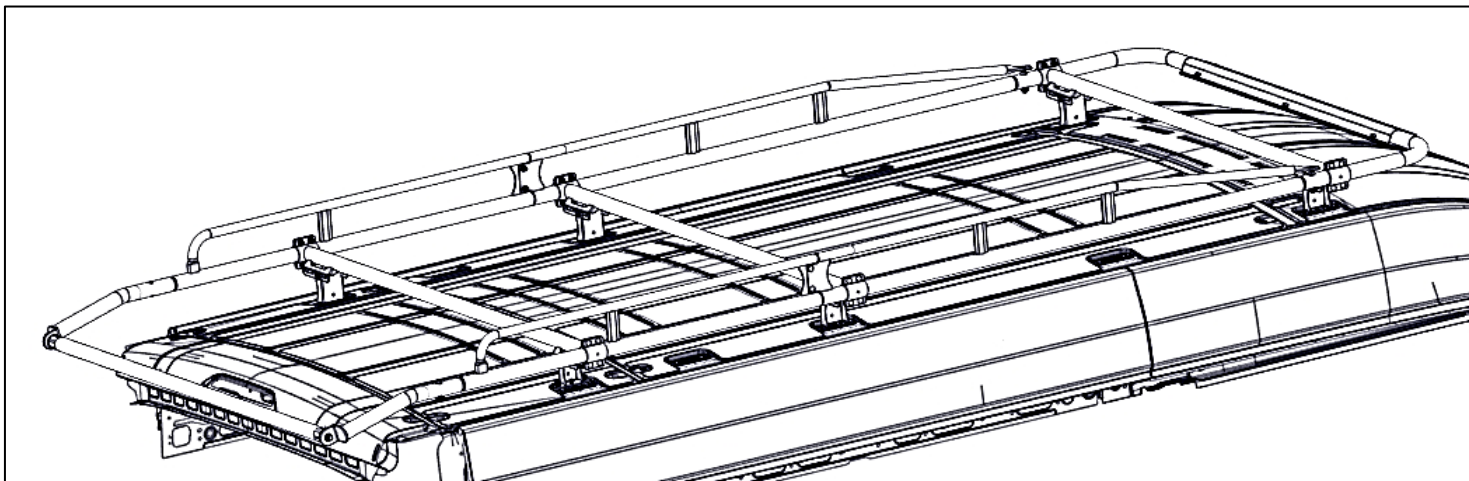


- Install u-nuts onto each raised nut mount.
- Using two M8 x 20mm hex head bolts, two 5/16" lock washers, and two 5/16" flat washers, install foot to u-nuts in orientation shown.
- Repeat at all desired locations.
- Snug tighten, but allow for movement during rack installation.



Step 3 – Mount Rack

- Follow the rack assembly instructions.
- Place rack on top of feet previously installed.
- Using 3/8" x 3/4" hex head bolts, 3/8" split lock washers and 3/8" flat washers, bolt rack crossbars to feet.



ADJUST AND ALIGN RACK TO YOUR LIKING.

GO BACK AND TIGHTEN ALL HARDWARE.

INSTALLATION IS COMPLETE.

Be sure sealant was used when mounting through or into the roof to ensure no water gets into cabin of van.