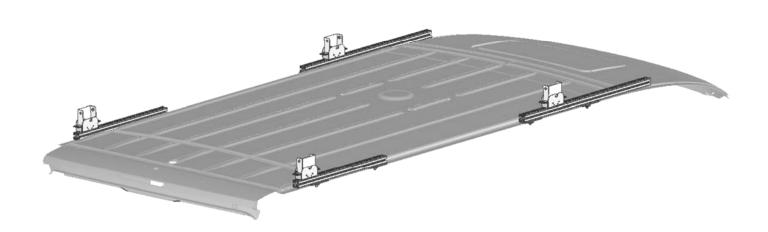


#### WE PUT EVERYTHING WITHIN REACH.

## Installation Guide

## 4081S





## \*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**

1/2" Socket and Wrench	Tape Measure
_,	

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## **Before You Begin**

- Read all instructions.
- When mounting to the roof, place generous amounts of E6000 to seal the interior of van from the exterior elements. E6000 will be in the rack assembly.
- Follow assembly instructions to assemble and install rack.



**Sprinter Mount Parts** 

<u> </u>	Tillter Modific Falts			
ITEM NO.		PART NUMBER	DESCRIPTION	QTY.
A		40818-S-002	Sprinter Rail Long	2
В		40818-S-003	Sprinter Rail Short	2
С		40818-10	Short Foot Bracket	4
D		40818-20-003-R2	Raise Foot Bracket	4
Е		40818-10-003-R1	Transit and Sprinter Rubber Pad	8
		18-40818-S-R1	Sprinter Bolt Kit	1
		18-40818-FT-R1	Foot Bolt Kit	1



18-40818-S-R1

10 +00	10-3-VI		
ITEM NO.	TO SCALE	DESCRIPTION	QTY.
4		5/16-18x1-1/4 Carriage Bolt	8
5		5/16-18x3/4 Carriage Bolt	8
6		5/16 Flat Washer	8
7		5/16 Oversize Washer	8
8		5/16-18 Nyloc	16

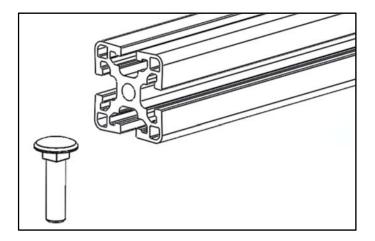
18-40818-FT-R1

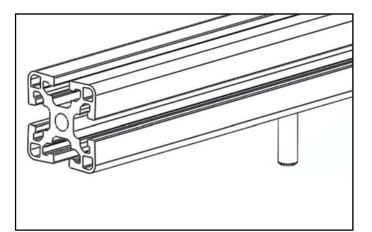
10-4001	<u>8-FT-R1</u>		
ITEM NO.	TO SCALE	DESCRIPTION	QTY.
1		5/16-18x3/4 Carriage Bolt	16
2		5/16 Flat Washer	16
3		5/16-18 Nyloc	16
4	3/8"-16 x 3/4" Hex Head		8
5		3/8" Flat Washer	8
6		3/8" Split Lock Washer	8

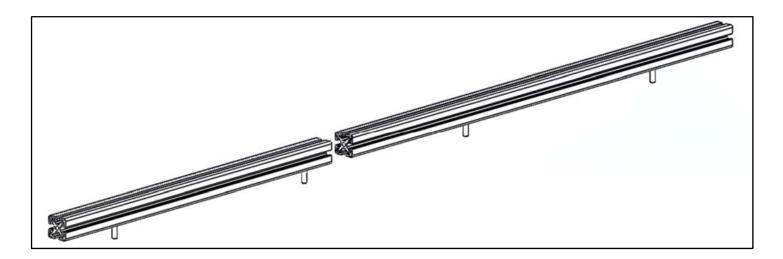


## <u>Step 1 – Prepare Extrusion</u>

• Slide two 5/16" x 1-1/4" carriage bolts into each rail piece.



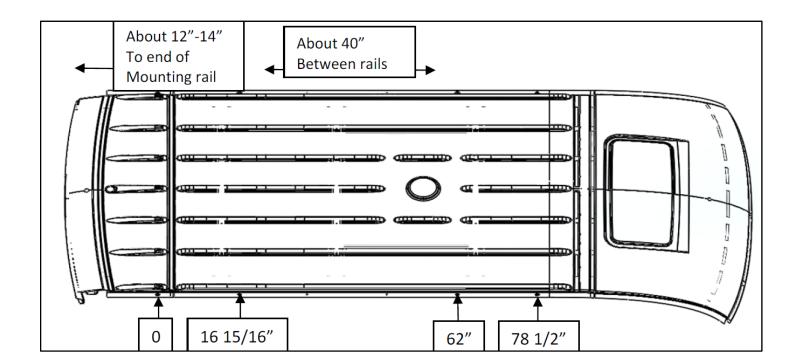






#### Step 2 – Locate Mount Holes

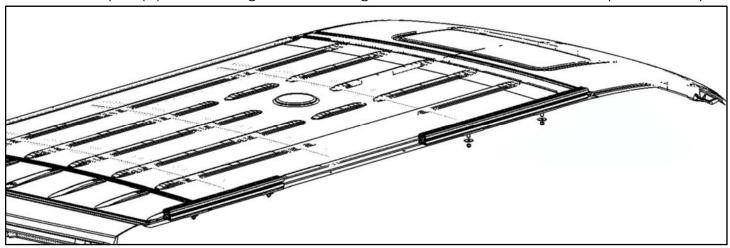
- Locate the 2 rear most factory bosses and drill out using a 5/16" drill bit.
- Approximately 16-15/16" apart from each other.
- Skip the next 2 bosses, then drill the forward 2 (@ 62" and 78.5" from the rear most hole).
- Some roof heights and wheelbases will vary, your mounting rail should allow for the rack to be mounted approximately between 14" to 18" from the rear of the van and have about 40" between the mounting rails.



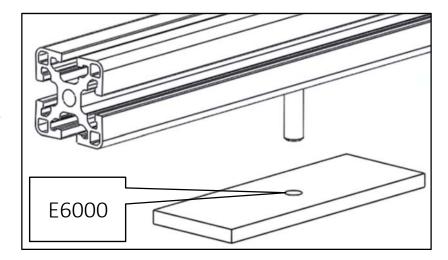


## Step 3 – Attach Mount Rails

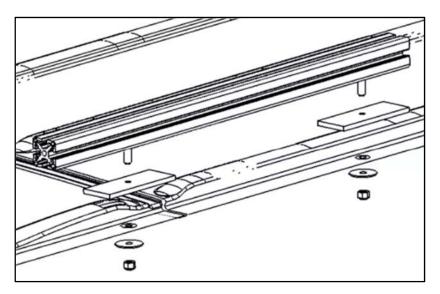
• Put rubber pad (B) onto carriage bolts and align them with the holes drilled in previous step.



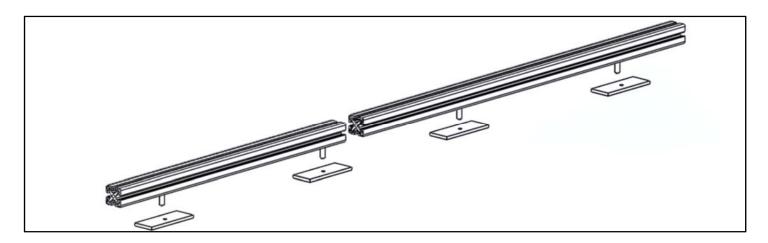
- Place <u>E6000</u> in between rubber pad and the roof.
- The shorter rail goes to the rear of the van with approximately 6" of the rail behind the carriage bolt.



- Bolt through the roof using previously installed carriage bolt, 5/16" fender washer and 5/16" nyloc
- Be sure to put <u>E6000</u> around the hole in the rood to ensure no water leaks into van.

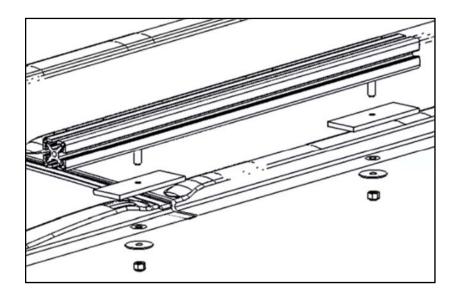


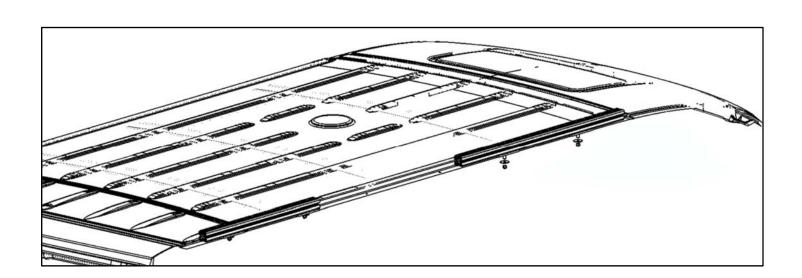




\*\*PICTURE SHOWN ABOVE DOES NOT SHOW SPACING BETWEEN RAILS\*\*

- Snug Tighten, But allow movement.
- Have approximately 40" in between the front and rear rails. Repeat on driver side.

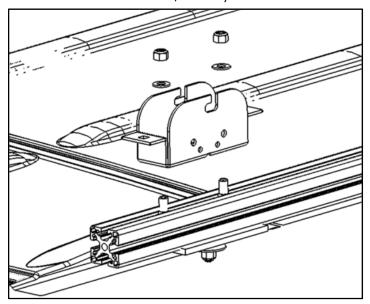


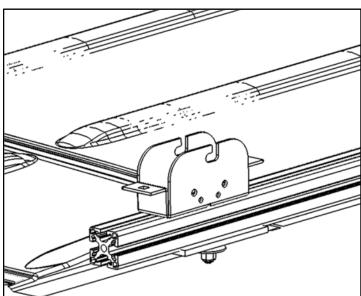




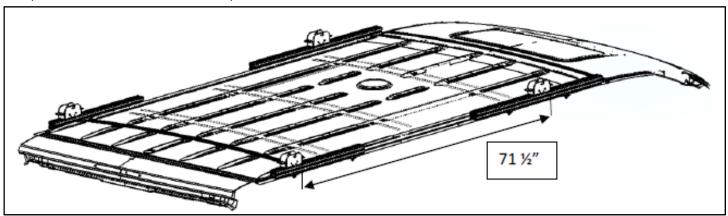
## <u>Step 4 – Attach Mount Block</u>

- Slide two 5/16" x 3/4" carriage bolts into the top slot on each rail piece.
- Place mount block on top of each carriage bolt. Bolt using the carriage bolt, two 5/16" flat washers and two 5/16" nyloc nuts.

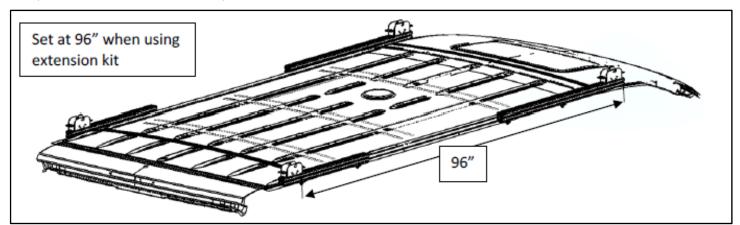




• Space mount blocks 71.5" apart for a standard installation.



• Space mount blocks 96" apart for an extended installation.

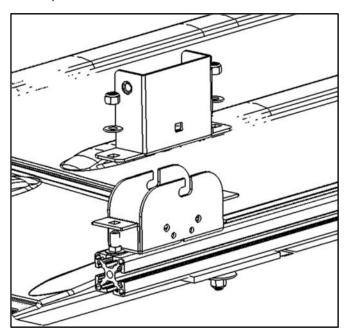


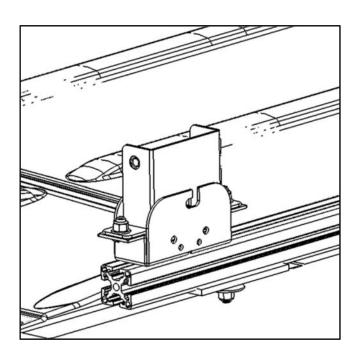
• Snug Tighten, but allow brackets to move.



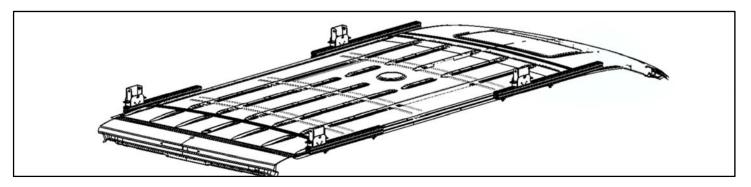
## <u>Step 5 – Attach Mount Feet</u>

- Mount short feet to previously installed mount blocks using two 5/16" x 3/4" carriage bolts, two 5/16" flat washers and two 5/16" nyloc nuts.
- The carriage bolt can face upward or downward based on preference.
- Repeat on all four mount blocks.

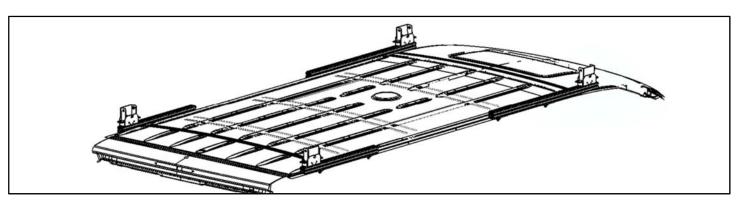




Approximately 71.5" apart.



Approximately 96" apart.

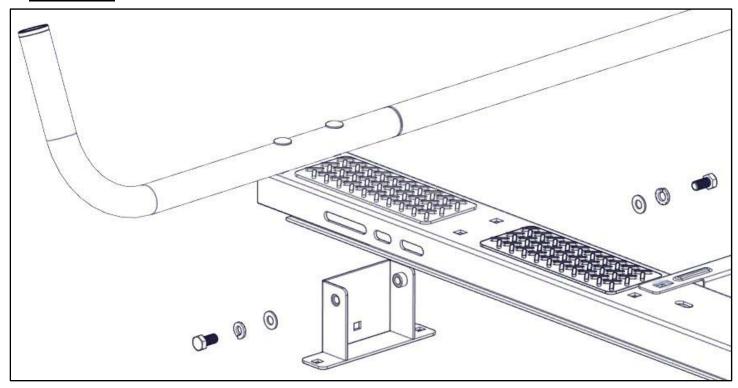


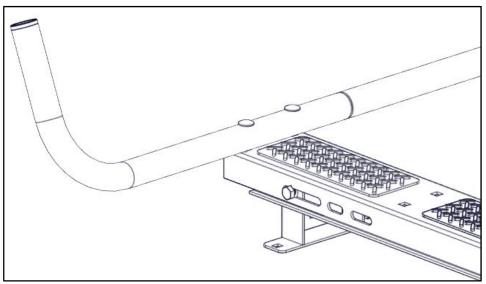


### <u>Step 6 – Mount Feet to Rack</u>

- Determine if the rack is being assembled on the vehicle or if the rack will be assembled off the vehicle and set on top of installed feet.
- In either case, bolt bows to feet using 3/8-16 x 3/4" hex head, a 3/8" lock washer and a 3/8" flat washer in order shown.

#### • TIGHTEN





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