



RAIN GUTTER MOUNTED ROOF RACK INSTALLATION INSTRUCTIONS **Ford, Dodge, and Chevy Van, OEM Roof**

Please read before beginning

- *Stainless steel hardware may bind together when tightening—It is recommended that you apply an anti-seize assembly lubricant to the threads of each bolt before assembly*
- *This installation requires two people*

Required tools

- Standard wrench set
- Allen wrench set
- Adjustable crescent wrench
- (Optional) Leveling tool



Assembly hardware

- | | |
|--|-----------|
| • 70050 – ½" x 1" Stainless Steel washer | 2 per leg |
| • 70024 – 3/8"-16 Stainless steel nuts with nylon locking insert | 1 per leg |
| • 70030 – 3/8"-16 x Flat head socket cap screw | 1 per leg |

Included hardware

- | <u>Included hardware</u> | <u>Quantity</u> |
|--|------------------------|
| • 300174 – Roof rack mounting clips | 1 per leg |
| • 70072 – 3/8"-16 x 1 ½" SS Hex Head Bolt | 1 per leg |
| • 70028 – 3/8" ID Stainless steel washer | 3 per leg |
| • 70024 – 3/8"-16 Stainless steel nuts with nylon locking insert | 2 per leg |
| • Antiseize Packet, 2g | 1 |

Assembly instructions

1. **(Already assembled)** Lift up one side of the roof rack and put the countersink bolts (70030) through the countersunk horizontal hole in the roof rack leg, facing outwards away from the roof. Apply anti-seize to threads and install and tighten down the nylon locking nuts (70024), make sure they are securely fastened. Note: Make sure the anti seize is applied after inserting the bolt so it does not get on the counter sink surface of the bolt or plate.



2. With someone assisting you, lift up the roof rack and rest it on the van's roof, with the mounting legs sitting in the rain gutters. Make sure the rear cross bar of the roof rack would be even with the back of the van gutter. NOTE:—the narrow end of the roof rack should be towards the REAR of the vehicle.

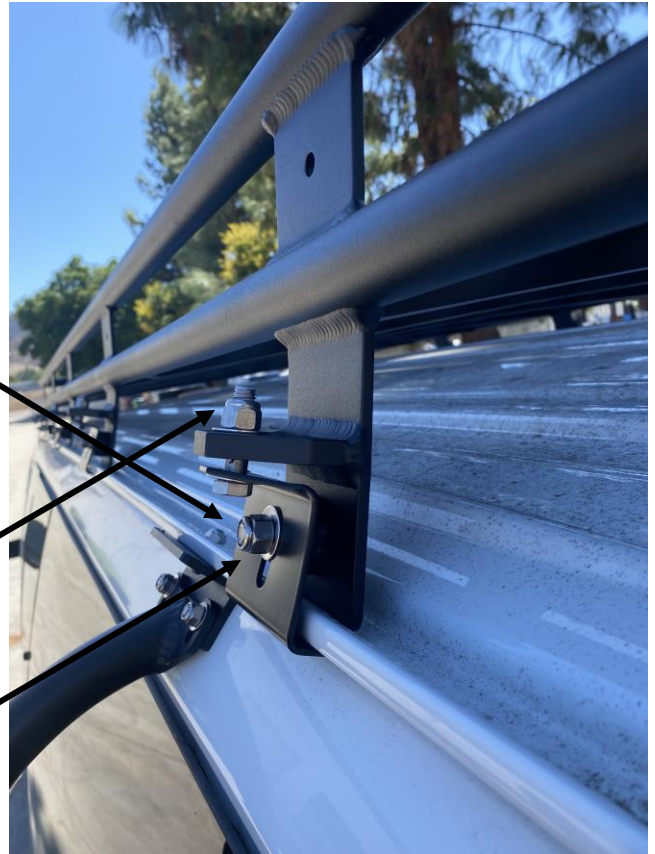
3. If the mounting legs do not fit inside the rain gutters width wise, place a large adjustable wrench on the leg's horizontal lip and push down or up to bend the legs in or out.

4. Place the roof rack mounting clips on the bolts (70030) , as pictured, and insert the longer bolt (70031) into the vertical hole facing upwards with a washer (70180) on the bolt head



5. Put washers (700180) on the outsides of the bolts and loosely thread on the supplied nylon locking nuts (70024)
6. Repeat this process for each of the legs that have bolt holes, making sure not to tighten the mounting clips yet
7. Make sure that the rack is in place and level, then proceed by:

- a. Tightening the nut on the horizontal bolt until snug. The stainless steel bracket should still be able to slide up and down freely. If not, loosen the nut until the bracket can slide.
- b. Begin to tighten the vertical bolt so that the stainless-steel bracket slides up and clamps the gutter rail of your van. The roof rack leg should be resting on the gutter rail, and the clamp should be tight against the underside of the gutter rail - **do not over-tighten. The mounting clip may deform.**
- c. Fully tighten the nut on the horizontal bolt.



8. During the first 100 miles of driving, periodically check the bolts to make sure none have loosened or that the clamps are not secure. If the roof rack is not resting in the gutter rail, but the stainless-steel clamp is resting underneath the gutter rail, it is possible you may have fully tightened the horizontal bolt's nut in step 7a. not allowing the clamp to slid up or down as you tighten the vertical nut in step 7b.



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