



RAIN GUTTER MOUNTED ROOF RACK INSTALLATION INSTRUCTIONS

**PN: 210401, 210401.1, 210417,
210417.1
FORD, CHEVY, EXTENDED BODY**

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*
- *Unless otherwise specified, refer to the general torque value at the end of the instructions for specified torque values*



Required tools

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

Included hardware

Quantity

- | | |
|--|----|
| • 300174 – Roof rack mounting clips | 10 |
| • 70072 – 3/8"-16 x 1 1/2" SS Hex Head Bolt | 10 |
| • 70028 – 3/8" ID Stainless steel washer | 30 |
| • 70024 – 3/8"-16 Stainless steel nuts with nylon locking insert | 20 |
| • Antiseize Packet, 2g | 1 |

Install instructions

1. 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.**
2. 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.
3. Place the roof rack mounting clips (300174) on the preassembled bolts and slide a washer (70028) and Nylock nut (70024) on top as pictured below in figure 1. Snug these down, just barely over finger tight.

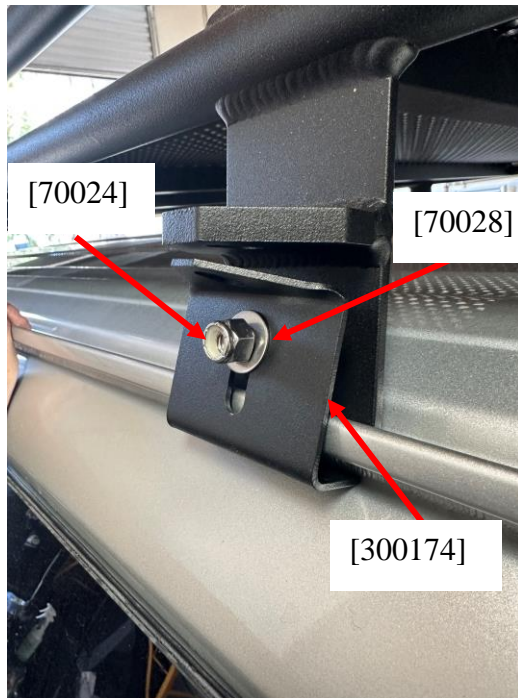


Figure 1

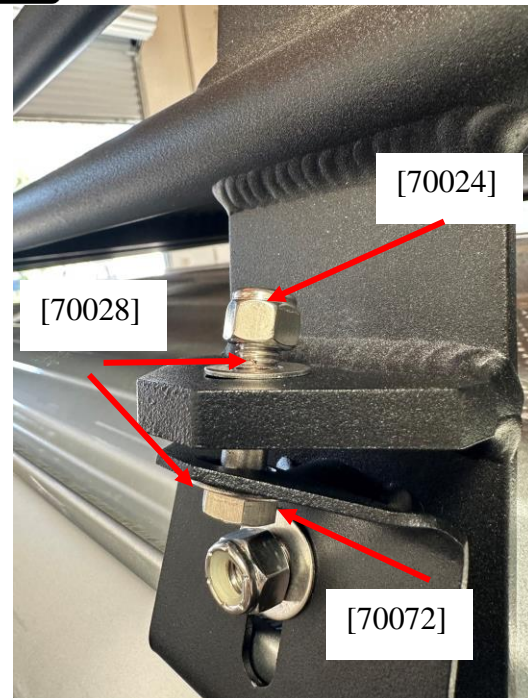


Figure 2

4. Insert (70072) into the vertical slot, with associated washers and nylock nut, as shown above in figure 2. Finger tighten this hardware as well.
5. Repeat this process for each of the legs that have bolt holes, **making sure not to tighten the mounting clips yet.**
6. 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 will deform.**
 - c. Fully tighten the nut on the horizontal bolt.
7. When finished the roof rack mounts should look like figure 3 below.



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.

General Torque Values			
Size	Stainless Steel	Zinc	Grade 8
#6-32	10 lb-ft	--	--
#8-32	18.4 lb-ft	--	--
#10-32	26.6 lb-ft	--	--
1/4"-20	5.3 lb-ft	7.8 lb-ft	9 lb-ft
5/16"-18	10.9 lb-ft	16 lb-ft	18 lb-ft
3/8"-16	19.4 lb-ft	28.3 lb-ft	33 lb-ft
7/16"-14	31 lb-ft	45 lb-ft	52 lb-ft
1/2"-13	47 lb-ft	69 lb-ft	80 lb-ft
M6	4.7 lb-ft	5.8 lb-ft	--
M8	11.3 lb-ft	14.1 lb-ft	--
M10	22.3 lb-ft	27.9 lb-ft	--
M12	38.9 lb-ft	48.7 lb-ft	--



Aluminess Products, Inc. (Aluminess) Warranty

1. Lifetime Warranty. Aluminess provides a lifetime warranty of its products to the original retail purchaser provided such products are installed correctly according to the official Aluminess installation instructions. Any modification to the original product design, function or use of any Aluminess products will void the Aluminess warranty. Aluminess will have sole discretion to determine warranty eligibility for any and all Aluminess products sold to any purchaser.
2. Limited Remedies. Subject to any limitations and exclusions described herein, and subject to Aluminess' determination of warranty eligibility, Aluminess will remedy defects in product materials and/or workmanship of any product by repairing or replacing such defective product, which shall be within Aluminess' sole discretion, without charge for parts or labor. Aluminess may elect in its sole discretion not to replace a defective product and issue the purchaser a refund equal to the purchase price of any defective product or purchaser may elect to receive a credit (equal to such refund) toward the purchase of new Aluminess products. Repair or replacement of a defective product or providing a refund or credit to purchaser will be purchaser's exclusive remedy under this warranty. Damage to a purchaser's vehicle, cargo and/or any other person or property is expressly excluded from the Aluminess warranty.
3. Modification. Aluminess products are designed to be mounted to factory equipped vehicles. Aftermarket additions to such vehicle may or may not require modification of an Aluminess product. The Aluminess warranty does not extend to any Aluminess products that are modified to fit around other otherwise accommodate or be compatible with any aftermarket vehicle accessories or alterations. Aluminess does not guarantee fitment with any other aftermarket accessories or modified vehicle, and it is up to purchaser to determine fitment prior to purchasing any Aluminess product.
4. Damage. Damage to Aluminess products due to normal wear and tear, including, but not limited to, cosmetic issues and superficial scratches, or structural damage to an Aluminess product in connection with any vehicle collisions or other structural degradation in connection with the use of such vehicle (on road or off road) will not be covered by the Aluminess warranty. Additionally, any product user's misuse, neglect, overloading, improper maintenance or improper installation or repair of any Aluminess products are not covered under the Aluminess warranty.
5. Use of the Products. Aluminess products are designed for off road vehicle use. Installing Aluminess products on a vehicle may exceed the factory designed capabilities of such vehicle and could potentially lead to vehicle damage. Aluminess will not be responsible for any damage caused to a purchaser or user's vehicle or any vehicle accessories caused by the use of any Aluminess products. It is to the sole responsibility of purchaser to inspect and ensure that the intended vehicle and Aluminess products are suitable and compatible for travel on road and off road. No seller nor any manufacturer of Aluminess products will be liable for any loss, damage or injury directly or indirectly arising from the use of any Aluminess products. Before using any Aluminess products, the purchaser or user will determine the suitability of the product(s) for their intended use(s) and the purchaser or user shall assume all responsibility and risk in connection therewith.
6. DISCLAIMER. THE ALUMINESS WARRANTY IS EXPRESSLY MADE IN LIEU OF ANY AND ALL OTHER WARRANTIES, AND EXCEPT FOR THE ALUMINESS WARRANTY SET FORTH HEREIN, ALUMINESS MAKES NO WARRANTY WHATSOEVER WITH RESPECT TO ANY ALUMINESS PRODUCT, INCLUDING ANY WARRANTY OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, WHETHER EXPRESS OR IMPLIED BY LAW, COURSE OF DEALING, COURSE OF PERFORMANCE, USAGE OF TRADE, OR OTHERWISE. EXCEPT FOR PURCHASER'S LIMITED REMEDIES SET FORTH HEREIN, IN NO EVENT WILL ALUMINESS BE LIABLE FOR ANY LOST PROFITS, LOST SALES, OR FOR ANY CONSEQUENTIAL, DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY OR PUNITIVE DAMAGES OR FOR ANY OTHER DAMAGES OF ANY KIND OR NATURE.
7. Compliance. Aluminess cannot guarantee that its products comply with all Federal, State, and/or local laws. Purchaser is advised to review local vehicle codes for compatibility prior to purchase to ensure that the installation and use of any Aluminess products does not violate any applicable laws.
8. Warranty Claim Submission. Purchaser will responsible for returning any defective product to Aluminess for warranty consideration and purchaser may be responsible for all costs associated with shipping the product to and from Aluminess. Prior to returning any product for warranty, purchaser must contact Aluminess Products Inc. for proper authorization.