



Solar Panel Mount Installation Instructions

P/N: 210452.1 Adjustable Raised Solar Panel Mount

Before you begin:

- Stainless steel hardware may bind together when tightened. Apply anti-seize lubricant
- Compatible with Mercedes Sprinter, Ford Transit, Nissan NV, and Dodge Promasters
- Unless otherwise specified, refer to the general torque value at the end of the instructions for specified torque values

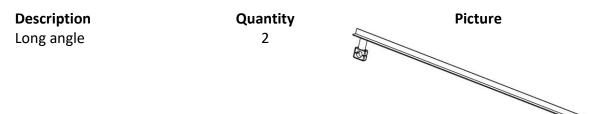
Required tools:

- Standard hex head set
- Phillips flat head screw driver
- 5/16" drill bit & power drill

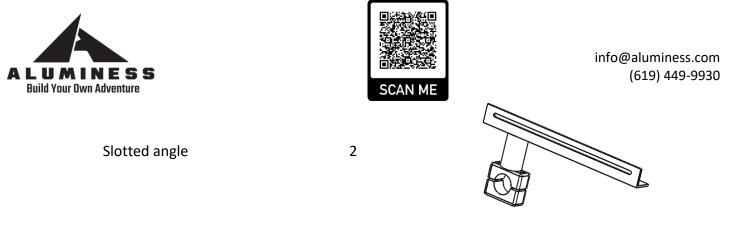
Included Hardware:

PN	Description	Quantity
70014	¼-20 x 1 ¼" button head bolts SS	10
70008	¼-20 Nylock nuts SS	10
70009	1/4" Washers SS	20
70246	Antiseize bolt lubricant packet, 2g	1

Additional Parts:







Install Instructions:

Loosely fasten the two angle pieces together using the provide hardware. Reference figure
1.

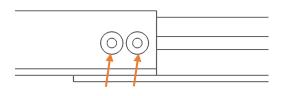


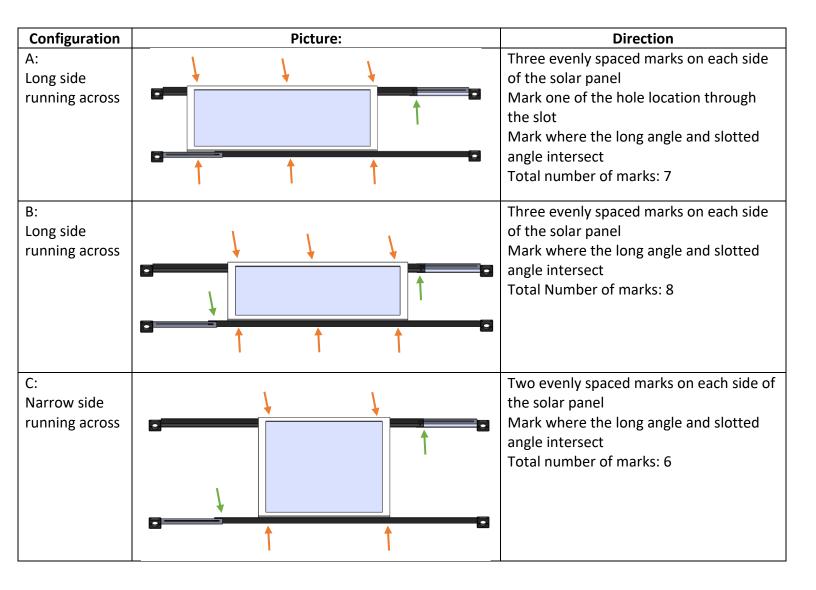
Figure 1: Fastening angle pieces

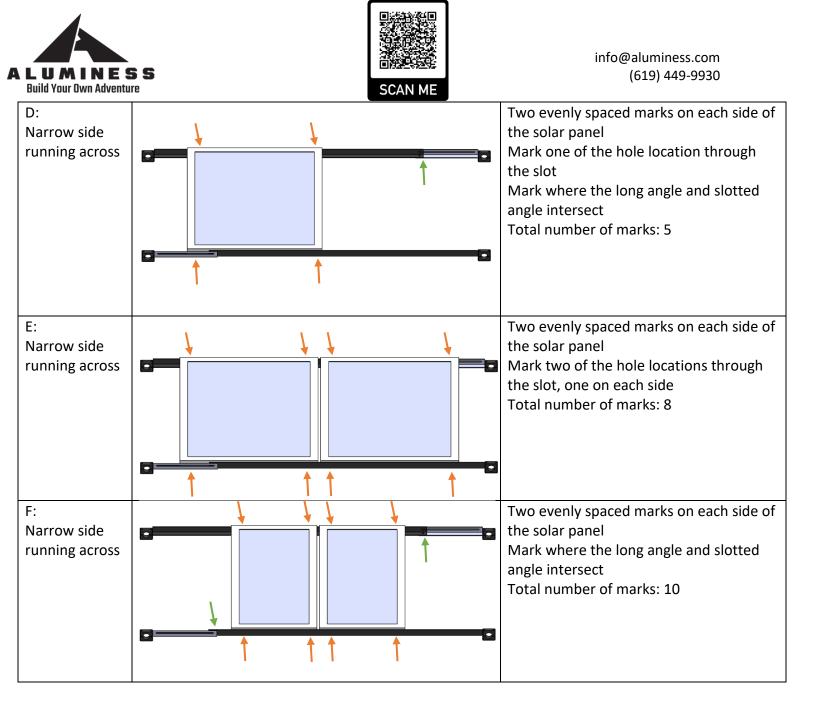
- 2. Loosely fasten the solar panel mounts to the outer edges of the roof racks using the provided hardware.
- 3. Place the solar panel(s) on the mounts and adjust the mounts as needed to make sure the angle pieces hug the edges of the solar panels.
- 4. Once the solar panels are snug with the mount. Tighten the solar mount clamps to the rack to secure them in place.
- 5. Mark the hole locations to be drilled. Reference Table 1 on page 3 to know how many markings will be required.
- 6. Use the 5/16" Drill to drill all the marked locations. Be sure to check that the solar panel is safe to drill all the way through.
- 7. Insert the ¼"-20 button head bolts into the drilled holes and fasten them tightly with the provided washers and Ny-lock nuts.
- 8. Enjoy your new Solar Panel Mounts!





Table 1: Solar Panel Mount Configurations









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. <u>Lifetime Warranty</u>. 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.

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3. <u>Modification</u>. 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.

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8. <u>Warranty Claim Submission</u>. 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.





Revision	Description	Changed By	Date
А	Initial release	V. Guzman	7/27/21
В	Added new logo, Torque spec table, torque spec note at	E. Isacowitz	10/5/23
	beginning, and QR code		