



Solar Panel Mount Installation Instructions

P/N: 210452, 281040 Adjustable 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



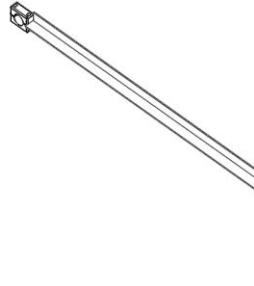
Required tools:

- 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	¼" Washers SS	20
70246	Antiseize bolt lubricant packet, 2g	1

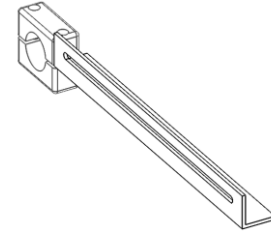
Additional Parts:

Description	Quantity	Picture
Long angle	2	



Slotted angle

2



Install Instructions:

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

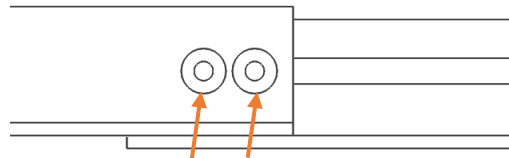
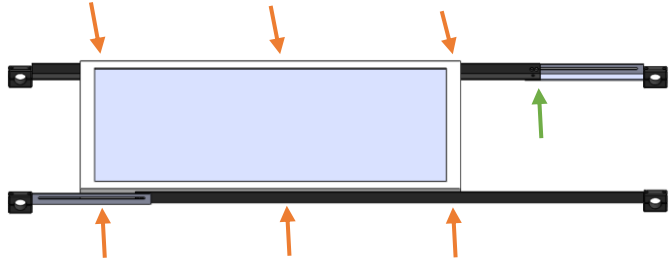
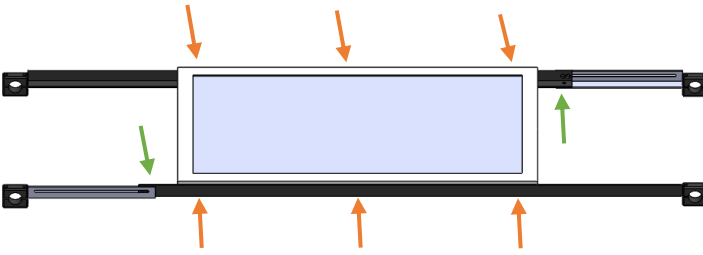
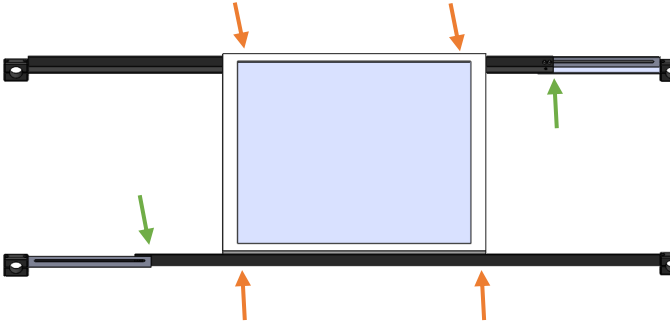


Figure 1: Fastening angle pieces

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 1/4"-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

Configuration	Picture:	Direction
<p>A: Long side running across</p>		<p>Three evenly spaced marks on each side of the solar panel Mark one of the hole location through the slot Mark where the long angle and slotted angle intersect Total number of marks: 7</p>
<p>B: Long side running across</p>		<p>Three evenly spaced marks on each side of the solar panel Mark where the long angle and slotted angle intersect Total Number of marks: 8</p>
<p>C: Narrow side running across</p>		<p>Two evenly spaced marks on each side of the solar panel Mark where the long angle and slotted angle intersect Total number of marks: 6</p>



<p>D: Narrow side running across</p>		<p>Two evenly spaced marks on each side of the solar panel Mark one of the hole location through the slot Mark where the long angle and slotted angle intersect Total number of marks: 5</p>
<p>E: Narrow side running across</p>		<p>Two evenly spaced marks on each side of the solar panel Mark two of the hole locations through the slot, one on each side Total number of marks: 8</p>
<p>F: Narrow side running across</p>		<p>Two evenly spaced marks on each side of the solar panel Mark where the long angle and slotted angle intersect Total number of marks: 10</p>



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	--



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Revision	Description	Changed By	Date
A	Initial release	V. Guzman	10/9/20
B	Added new logo, Torque spec table, torque spec note at beginning, and QR code	E. Isacowitz	10/5/23