



Modular Roof Rack Installation Instructions

P/N 210521: 2007+ Mercedes Sprinter Awning Brackets

Before you begin:

- Read all instructions carefully before beginning installation/assembly.
- These awning brackets are intended to be installed in conjunction with the Aluminess Modular Roof Rack (PN 210300). The awning brackets will be easier to install after assembly, but before the installation of the Modular Roof Rack.
- Installation requires two or more people to install the roof rack on top of the vehicle.
- Factory or aftermarket roof tracks must be installed prior to this installation.
- Unless otherwise specified, refer to the general torque value at the end of the instructions for specified torque values.



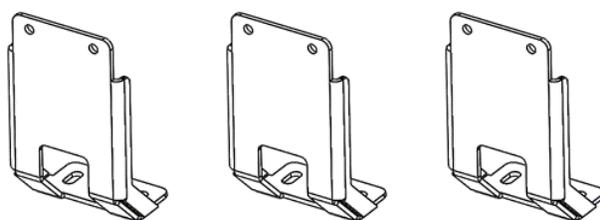
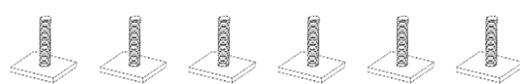
Required Tools:

- Hex key (Allen) set
- 7/16" wrench

Included Hardware:

P/N	Description	Quantity
70008	Nylon-locking nut, 1/4"-20	12
70009	Washer, 1/4" ID	12
70039	Washer, Fender, 1/4" ID	6
70094	Bolt, button head, 1/4"-20 x 3/4"	6
70246	Anti-Seize Packet	1

Additional Parts:

PN	Description	Quantity	Picture
301109	Awning Brackets	3	
350483	Threaded Insert	6	



Roof Rack Assembly:

1. Reference the full installation instructions for the modular roof rack (PN 210300) for a step-by-step assembly procedure. These instructions are for the *supplemental awning brackets only*.
2. Before installing the modular roof rack onto the vehicle, slide the threaded inserts into the tracks of the roof using Figure 1 as a guide for the sequence between roof rack mounts and the awning bracket mounts.

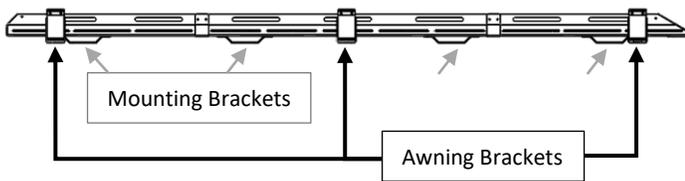


Figure 1: Location of Mounting Bracket and Awning Brackets

3. With the correct sequence of threaded inserts installed into the track, the modular roof rack should now be tightened into the desired location.
4. Install the awning brackets over the threaded inserts. Use the supplied 1/4"-20 nuts and fender washers to fasten to the roof tracks (Figure 2 and Figure 3).

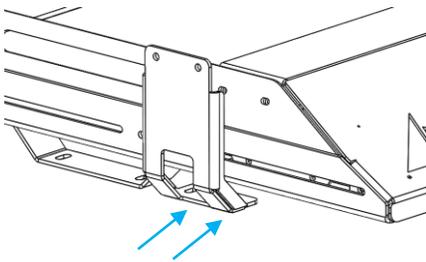


Figure 2: Awning Bracket Installation onto Track System

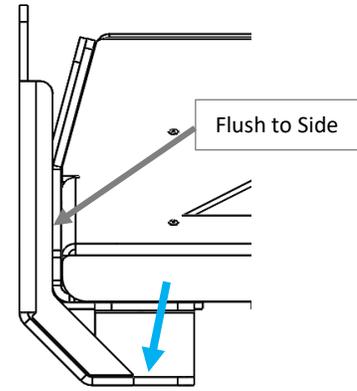


Figure 3: Side View of Awning Bracket Installation

5. Attach the awning manufacturer's brackets to the modular roof rack brackets using the provided 1/4"-20 x 3/4" bolt, washer, and nut as shown in Figure 4.

NOTE: Due to the tight spacing between the awning and the manufacturer's awning bracket, a washer may not fit on the inside between the two. However, a washer should be placed on the backside of the Aluminess awning bracket.

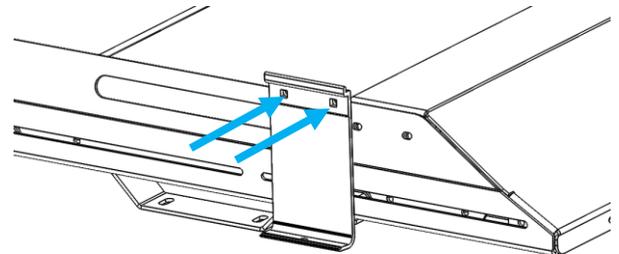


Figure 4: Manufacturer's Awning Bracket Installation

6. Complete the awning installation per the manufacturer's instructions.
7. The roof rack and awning is now ready to be installed onto the vehicle. Enjoy!



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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