

Modular Roof Rack Installation Instructions

P/N 210300: 2007+ Mercedes Sprinter

Before you begin:

- You must have either factory or aftermarket tracks mounting onto your roof before installing this roof rack
- Stainless steel hardware may bind together when tightening — apply the supplied anti-seize assembly lubricant to the threads of bolts without the nylon patch before assembly
- Installation requires two or more people

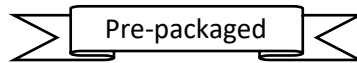


Required Tools:

- 7/16" wrench set
- Drill or impact driver

Included Hardware:

Pre-Packed Hardware Kit: 350540



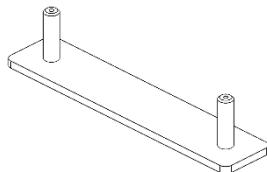
<u>P/N</u>	<u>Description</u>	<u>Quantity</u>
70722	Bolt, pan head torx, #10-32 x 3/8", with vibration resistant nylon patch	94
70005	Washer, #10 ID, stainless steel	94
70723	Carriage bolt, 1/4"-20 x 5/8" long, stainless steel	16
70009	1/4" ID washer, stainless steel	32
70008	1/4"-20 nylon-locking nut	32
70725	Torx bit tip, T25, 1/4" Drive	1
70246	Antiseize bolt lubricant packet, 2g	1

Included Replacement Bolts Package (optional usage)

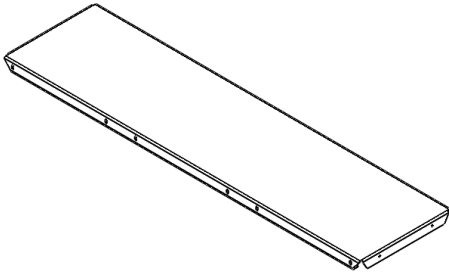
70004	#10-32 nylon-locking nut	4
70005	Washer, #10 ID, stainless steel	8
70724	Bolt, pan head torx, #10-32 x 1/2", stainless steel	4

Additional Components

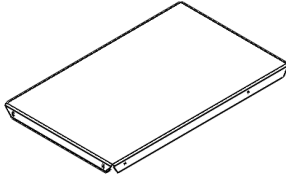
--	Studded Inserts	8
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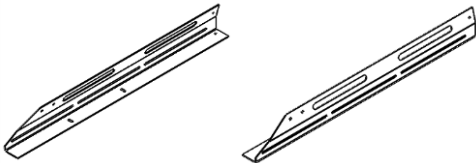
Roof Rack Parts:



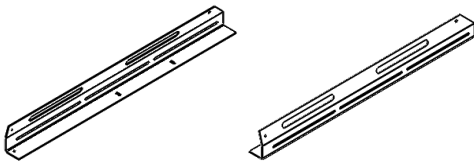
6X Floor Panel, Large



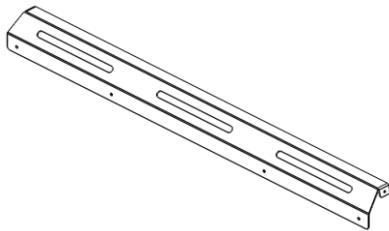
2X Vent Panel, Large



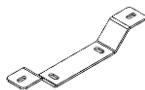
2X Side Rail, Front



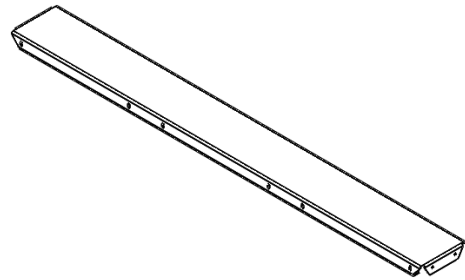
2X Side Rail, Rear



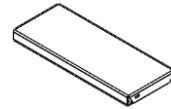
1X Back Panel



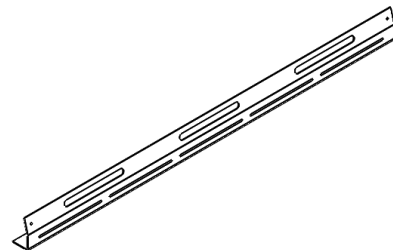
8X Mounting Bracket



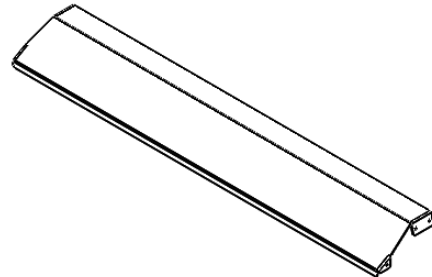
2X Floor Panel, Small



1X Vent Panel, Small



2X Side Rail, Middle



1X Air Dam



4X Side Rail, Brackets

Roof Rack Assembly:

PRO TIP: Protect the roof rack by lying down some blankets or towels before laying out the roof rack.

1. Determine desired vent location – front or rear.
 - a. If you'd like two vents, please be sure you have PN 210514 and replace the two panels in the specified location for the additional vent.
 - b. If you desire full flooring, please be sure you have PN 210515 and replace the three vent panels with the two additional panels.
2. Layout flooring panels into the desired orientation with the flat surface down using Figures 1 & 2 as a guide. The edge of the panel with the threads should face the rear of the rack.

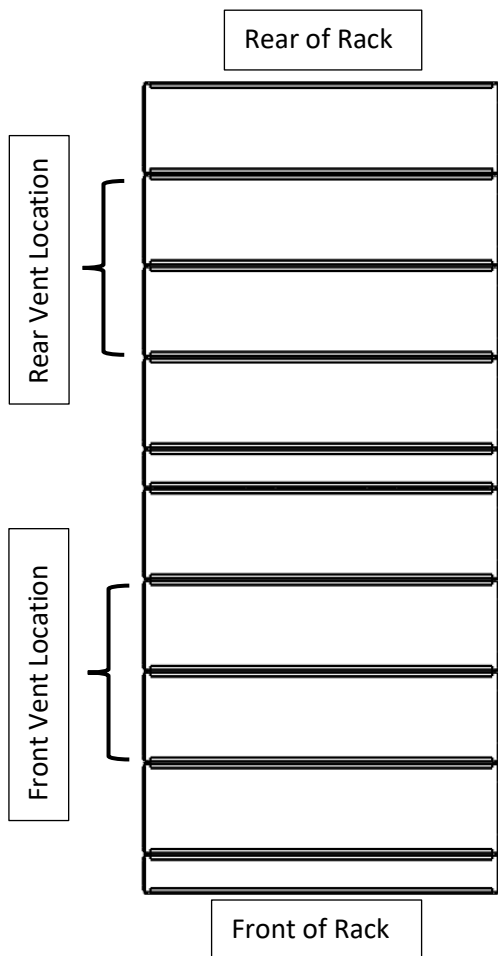


Figure 1: Flooring Panel Layout
(Full Flooring shown, flat surface down)

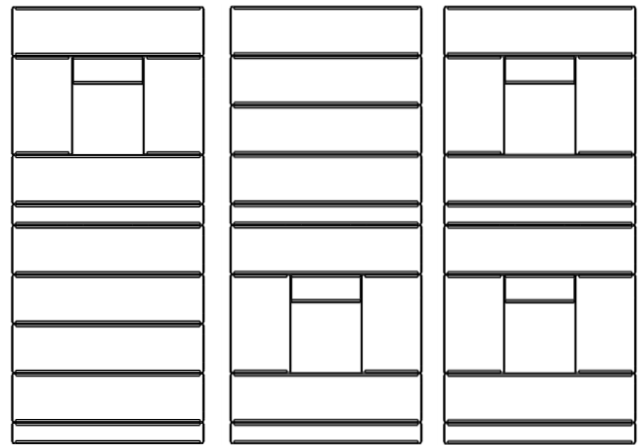


Figure 2: Examples of Floor Panel Layouts; Rear (left), Front (center), and Two Vents (right)

3. Bolt the panels together using the provided #10-32 x 3/8" bolt and washer. Reference Figures 3, 4, & 5 for more detailed information.

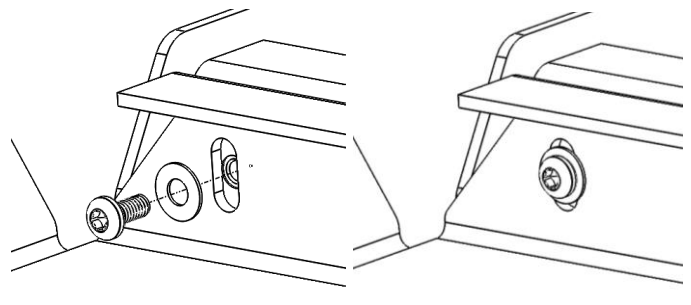


Figure 3: Example of Bolt Through Panels

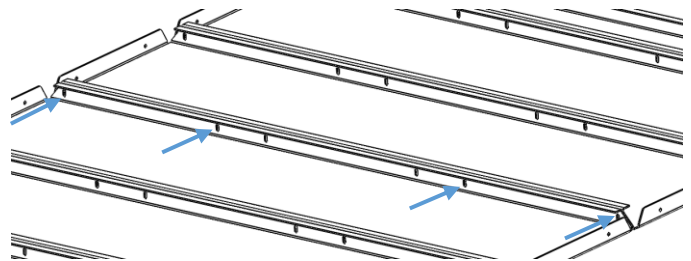


Figure 4: Bolting Panel-to-Panel
(NOTE: the inner two holes are used only with the vent kit)

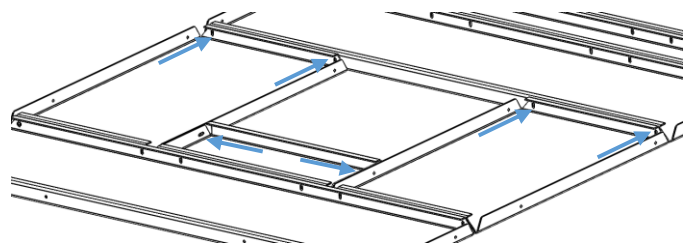


Figure 5: Bolting Vent Kit
(NOTE: the small vent panel is only used for use with fantastic fans)

4. Assemble the left and right-side rails using the side rail brackets to combine the front, middle and rear rails (See Figure 6).

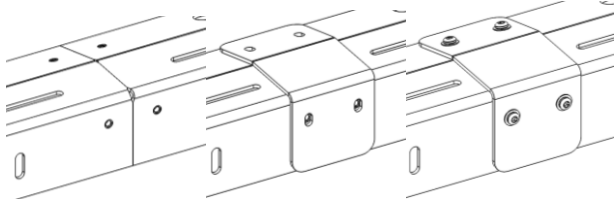


Figure 6: Side Rail Assembly

5. Install the mounting brackets onto the side rail assembly using the 1/4"-20 x 5/8" carriage bolts, nuts, and washers as shown in Figure 7 & 8. There are 4 mounting bracket location on each side (8 total).

PRO TIP: Leave the hardware loose until installed onto the factory rails to center the roof rack's mounting brackets. Factory rails should be about 52" from center-to-center.

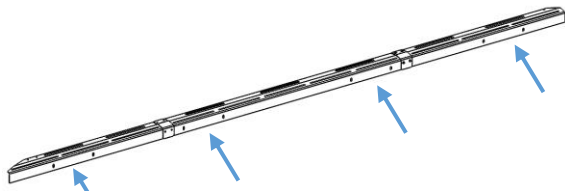


Figure 7: Mounting Bracket Locations
(one side shown, 8 locations total)

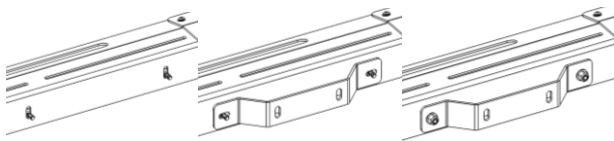


Figure 8: Assembly of Mounting Brackets

6. Flip the flooring panels over so the flat surface is face up and install the Back Panel onto the rear of the rack using the #10-32 x 3/8" bolts as shown in Figure 8.

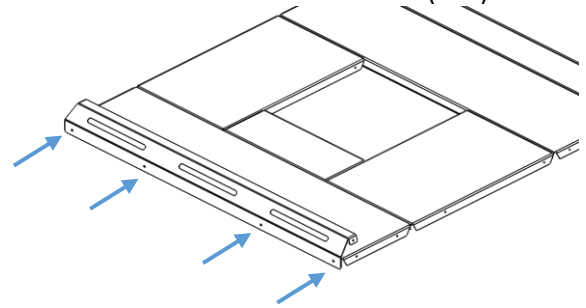


Figure 9: Back Panel Assembly

7. Install the pre-assembled side rails onto the flooring panels using the #10-32 x 3/8" bolts into all available threaded holes through the lower slot on the side rails as shown in Figures 10 & 11.



Figure 10: Location Side Rail Attachment

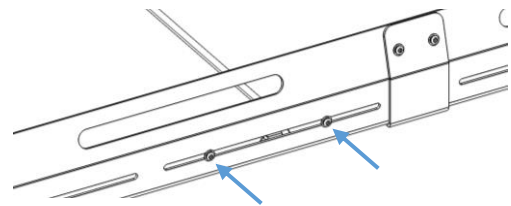


Figure 11: Side Rail Attachment Close-Up

8. Secure the Back Panel to the Side Rail as shown in Figure 12 on both sides.

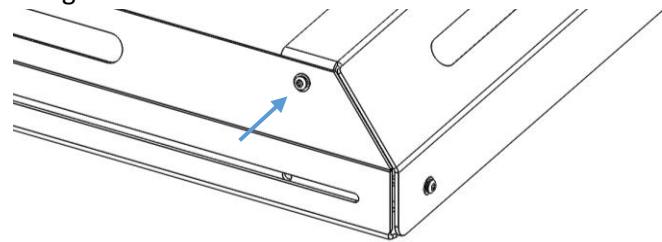


Figure 12: Back Panel to Side Rail Assembly

9. Install the Air Dam in the front as shown in Figure 13 on both sides.

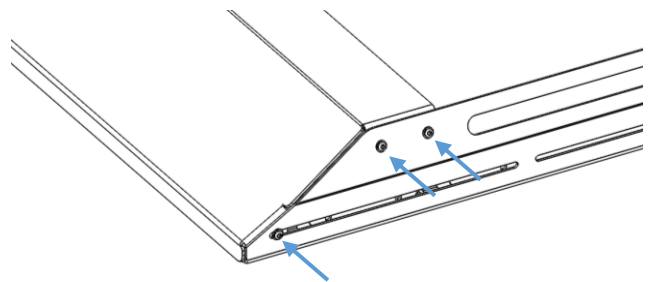


Figure 13: Front Air Dam Assembly

10. Insert 4 Studded Inserts into each side of your track system in preparation of your roof rack as shown in Figure 14.



Figure 14: Studded Inserts Installed into Roof Tracks

11. Lift your rack onto the roof track system while aligning the studded inserts to the mounting brackets of the roof rack.
12. Install $\frac{1}{4}$ "-20 nuts and washer onto the studded inserts and tighten all bolts on the mounting brackets throughout the rack.
13. Your new Aluminess roof rack is now installed! Be sure to check all bolts after the first 100 miles of driving and periodically thereafter as bolts can work themselves loose from vibration.

Bolt Replacement Instructions:

1. If during assembly a bolt becomes stripped, cross-threaded, or seized, use the provided extra hardware to replace the defective bolt.
2. Remove the defective bolt and washer.
3. Using a center-punch or $\frac{1}{8}$ " drill bit, hammer out the affected threaded insert.
4. Use the provided #10-32 x $\frac{1}{2}$ " bolt, washers, and nut in the same orientation as before.
5. Tighten the bolt down and continue with assembly.

