



## Assembly Instructions For Sprinter 144 / 170 & 170 EXT



### General Notes

- Please read all instructions thoroughly before starting installing this product.
- Roof Racks come in multiple sections depending on the kit you have purchased.
- Mounting hardware is included.
- Mounts to Mercedes OEM factory roof rails. (roof rails NOT Included).
- Vent Covers are sold separately ([#70000-151-B](#)).
- Complete 144 Assembly hardware can be found with the front rack.
- 170 / 170 EXT Assembly hardware for Front to Middle racks can be found with the front rack.
- 170 / 170 EXT Assembly hardware for Middle to Rear racks can be found with the middle rack.

### Parts List 144

- (10) Threaded roof rail mounting plate (*Come with Front Rack – 144 kits*)
- (10) 5/16" split lock washers (*Come with Front Rack – 144 kits*)
- (10) 5/16-18 x 3/4" hex head CS stainless (*Come with Front Rack- 144 kits*)
- (48) 1/4" uss flat washer stainless (*Come with Front Rack – 144 kits*)
- (14) 5/16-18 x 3/4" button head cap screw (both Front & Middle Racks)
- (14) 5/16-18 nylon locknut (both Front & Middle Racks)

### Parts List 170 /170 EXT

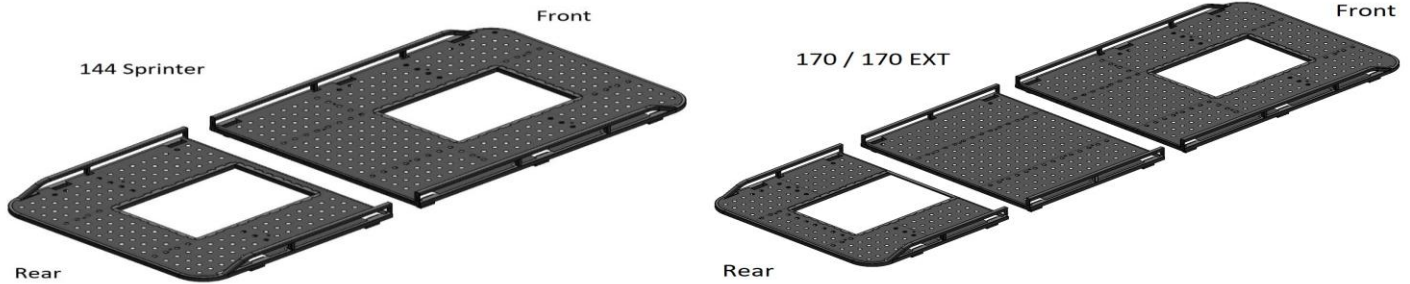
- (4) Threaded roof rail mounting plate (*Come with Middle Rack- 170 kits*)
- (4) 5/16" split lock washers (*Come with Middle Rack - 170 kits*)
- (4) 5/16-18 x 3/4" hex head CS stainless (*Come with Middle Rack - 170 kits*)
- (36) 1/4" uss flat washer stainless (*Come with Middle Rack - 170 kits*)

### Tools Needed

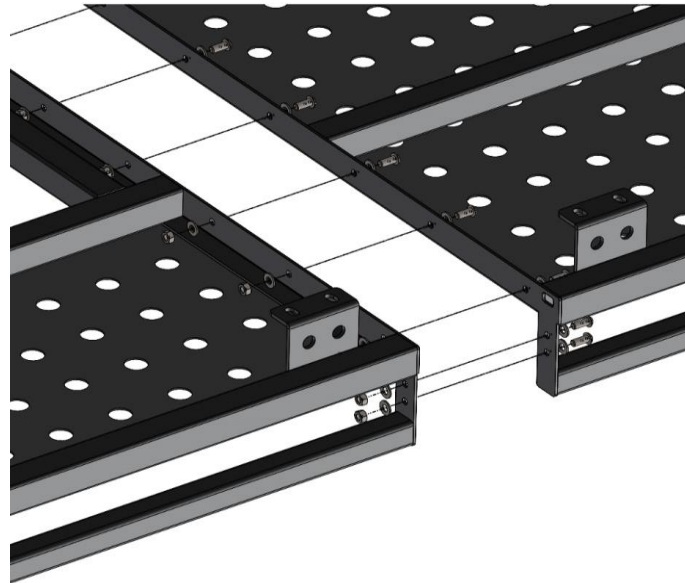
- 3/16" Allen Wrench
- 1/2" Socket Wrench w/6" extension
- Medium strength liquid thread locker

### Installation

- 1) Unpack each rack from the boxes.

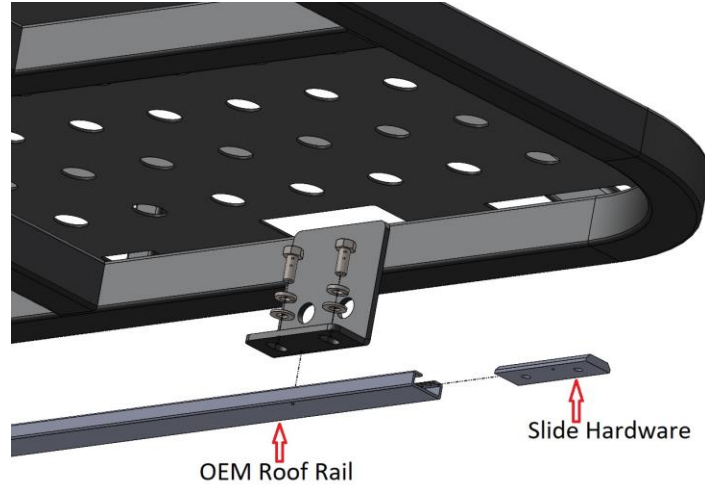


- 2) Flip racks over. Using 3/16" all wrench and 1/2" socket, bolt the racks together as shown using the 5/16-18 x 3/4" button head cap screws, 1/4" uss flat washers and 5/16-18 locknuts. For 170 & 170 EXT racks, repeat this assembly for the rear rack.



- 3) Before the assembled rack can be mounted to the roof of your van you will need to slide in 5 roof rail slides per side (**For 170 & 170 EXT the 4 extra roof rail slides and assembly hardware can be found in the middle rack box**). These will align with the roof rack mounting brackets to secure the rack to the top of the van. With the help of some good friends, lift the rack and place on top of the van and set on top of factory roof rails. You may need to slide the roof rails to align with the mounting brackets for the roof rack. Using a 1/2" socket wrench, secure the rack to the van using the 5/16-18 x 3/4" hex head bolts, 5/16 split lock washer and 1/4 uss flat washer. Use a small amount of medium strength thread locker on each bolt. Repeat this step until ALL mounting points on the rack as secured to roof rail.

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- 4) For 144 Roof racks this completes the installation. For 170 / 170 EXT roof racks you will need to unpack and repeat the installation for the rear rack. If your van has one or no roof vents a roof vent cover is sold separately ([#70000-151-B](#)). This cover aligns with the top panel and is drilled and riveted into place (mounting hardware provided) giving your rack that full finished look.



*Installation is now complete.*

**\*\*RB Components has a full line of modular roof rack accessories\*\***

- Front light bar brackets for a variety of lights
- Side / Rear LED light mounting brackets
- Rear roller board