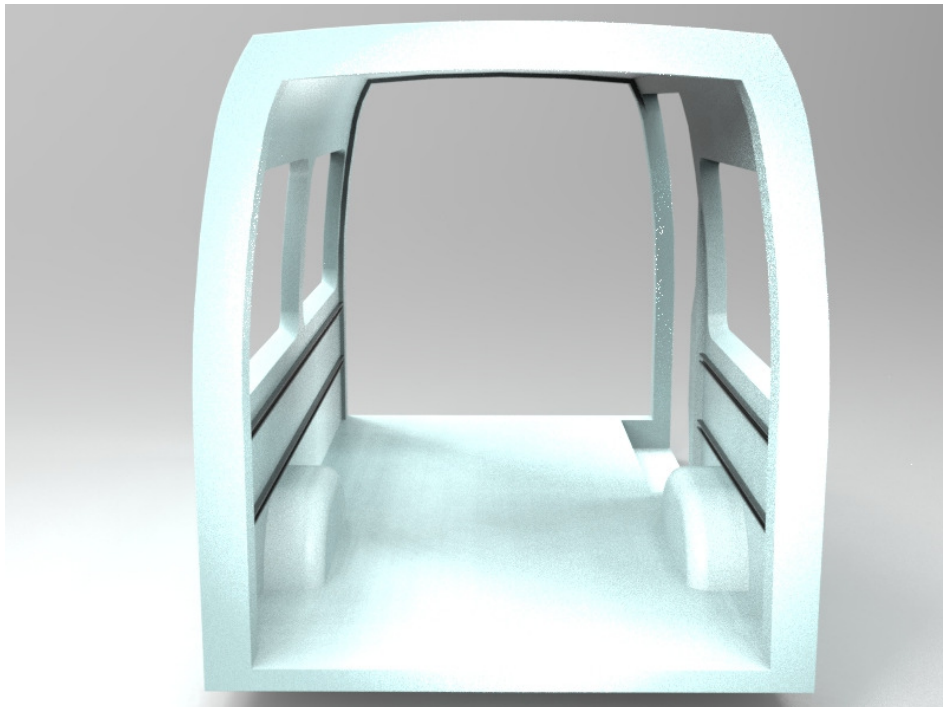




Installation Instructions

Lower 170" Mounting System









Thank you for choosing Roost Vans for your project!

sales@roostvans.com

First Things First

Please Check Your Order

We at Roost Vans strive toward perfection, but occasionally human beings make mistakes. Before beginning your installation, please double check to make sure that you received all of the following. If anything is missing or damaged, please contact us right away at sales@roostvans.com.

✓	Img	Qty	Part
		42	Rivnut - 5/16-18
		42	Rail Bolt - 5/16-18 X 11/16
		1	Loctite Ampule
		1	Allen Key - 3/16
		4	Rail Nut - 5/16-18
		1	Rivnut - 5/16-18 - Heavy Duty

✓	Img	Qty	Part
		1	Front Mid Wall Rail (RV07-01)
		1	Front Bottom Wall Rail (RV07-02)
		2	Rear Mid Wall Rail (RV08-01)
		2	Rear Bottom Wall Rail (RV08-02)
		2	Center Middle Wall Rail (RV08-03)
		2	Center Bottom Wall Rail (RV08-04)
		1	Mounting System - 170" Lower - Assembly Instructions

Required Tools.

To install the mounting system, a few tools that are not included with the hardware kits are required. Below are some images and descriptions of what you will need as well as a few tools that will make the process easier.



Required: Rivet Nut Installation Tool



Required: 11/16" step bit (top). The bottom narrower bit is helpful getting the widening started, but is not required. The 11/16" bit (top) is the only one required for the install.

External References:

- Throughout the assembly process, this manual will refer to some appendices that contain general processes used for most if not all of our products. Below are the appendices that will be referenced.
 - There are no external appendices for this product.

Note: There can be slight deviations from these appendices for each individual cabinet. Make sure to check for any notes included below the citation to the appendix for specific instructions or information.



Factory and Custom Drilled Hole

Overview:

-Our mounting systems are installed directly to the body of the van using Rivnuts. To accomplish this you will need to widen several factory holes to accommodate the rivnuts. These factory holes can be widened before beginning installation, or done as you go. You will also need to manually-mark, drill, and then widen several other holes that do not already exist. To do this you will need to attach and align the rails using only the factory holes, mark the locations of any you need to drill, remove the rail, drill and install the rivnuts.

-Below are pictures showing the locations of all of these holes and whether they are factory holes or manually drilled



Reference: The lower rail hole line is about 9.5" above the bottom of the cutouts near the bottom of the van.



Reference: The upper rail hole line is about 1' above the lower rail hole line.

More Factory and Custom Drilled Hole Locations.



Forward driver upper rail hole locations.



Forward driver lower rail hole locations.

***Currently there are no images for the rear and center rail hole patterns for 170" sprinters (coming soon). The center driver rail will be installed directly behind the forward driver rail and the holes will all be manually drilled, so you can use the forward driver rail as well as the installation template to position the rail mark the holes to be drilled. For the passenger side, it will be easiest to start with the center top wall rail, make sure the front of it lines up with the front of the driver center top wall rail, use the template to locate the proper height, and mark holes locations. Once the center top wall rail is installed use it and the template as a guide for the rear passenger top wall rail. Please reach out to Aryk Atkinson (aryk@roostvans.com) with any questions during this process.**

Step 1



Step 2



Step 3



Step 4

Driver Side:

Rear bottom rail will only be secured with one bolt at this point. Clamp into position by aligning with front bottom rail, ensure all rails are parallel, then mark forward most hole position. Move rail out of the way, drill hole to 7/16" using step drill bit, install rivnut, then re-attach using new rivnut. Note, at this point we are drilling only the front most hole of rear bottom rail.

Step 5

Passenger Side:

Rear bottom rail will also only be secured with one bolt. Clamp into position ensuring it is parallel with mid wall rail and match drill only front most hole using same procedure as Step 4.

Step 6

Mark all remaining holes of all rails. Match drill all holes using the following match drill procedure: Mark hole locations, remove rails, drill holes, install rivnuts. Always remember not to overtighten rivnut.



Step 7

Apply 1 drop of the provided Loctite to each rail bolt and reattach all rails. Tighten each rail bolt securely. B Pillar Trim



B Pillar Trim

If your van has plastic B Pillar trim behind the driver seat that you wish to keep, you will need to remove it, notch it out to accommodate the new rails, and re-attach.



Most Important, Enjoy the Journey!

Taking on your own van build is an exciting and rewarding process. As with all things worth doing, it will presumably come with its own set of challenges.

We are very pleased you have chosen Roost to accompany you on this voyage, and to help you manage those challenges. Our mission is to provide versatile solutions that are affordable and easy to install.

As a result, your feedback is not only appreciated, but invaluable. I welcome any suggestions you may have about ways we can improve our products, documentation, or any other aspect of your experience with our company.

Feedback Contact: mike@roostvans.com