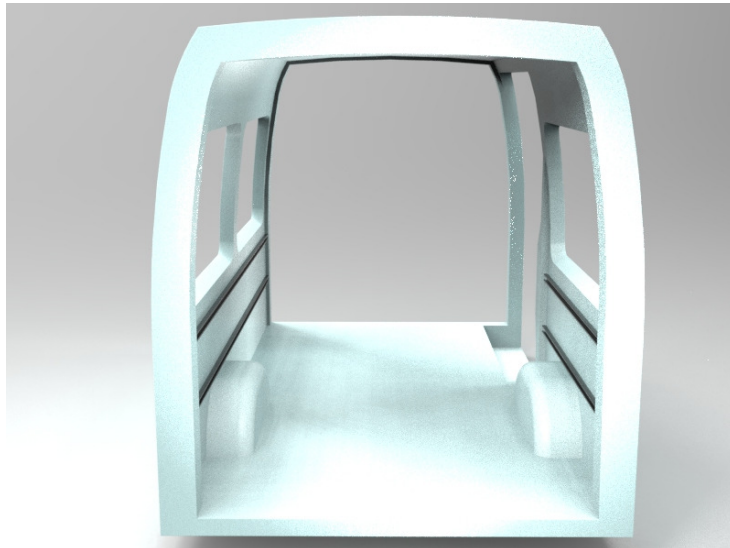




# **Installation Instructions**

## **Lower 148" Standard Mounting System**









Thank you for choosing Roost Vans for your project!

[sales@roostvans.com](mailto: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](mailto:sales@roostvans.com).

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

✓	Img	Qty	Part
		1	Front Mid Wall Rail - Driver (RV51-01)
		1	Front Bottom Wall Rail - Driver (RV51-02)
		1	Rear Mid Wall Rail - Driver (RV51-11)
		1	Rear Bottom Wall Rail - Driver (RV51-12)
		1	Rear Mid Wall Rail - Passenger (RV51-21)
		1	Rear Bottom Wall Rail - Passenger (RV51-22)
		1	Hardware Prepacks

# 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.



Highly Recommended: Clamps to hold rails and spacers in place when no factory holes are present.

# 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 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.

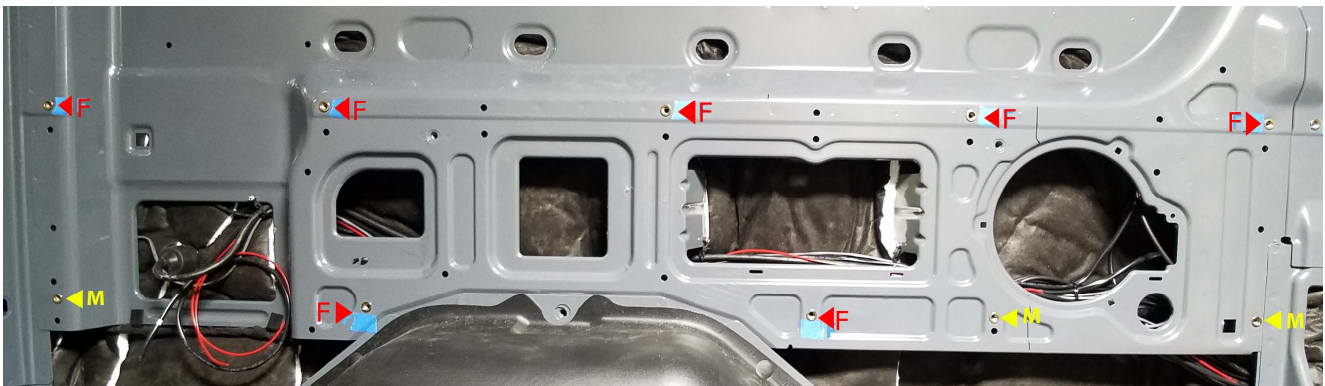


# Factory and Custom Drilled Hole

## Overview:

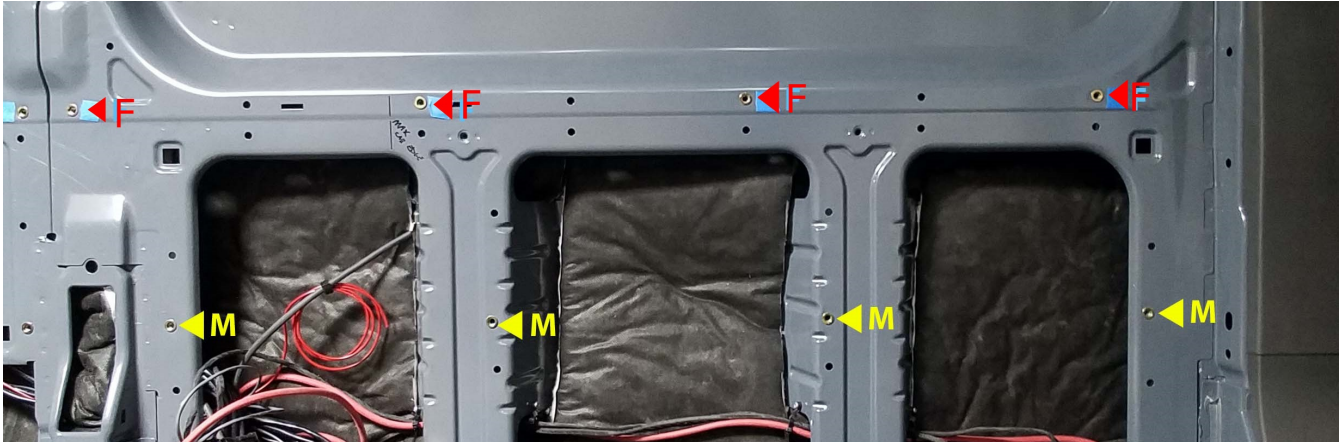
-Our mounting systems are installed directly to the body of the van using Rivnuts. To accomplish this you will need to widen several factory holes to accommodate the rivnuts. These factory holes can be widened before beginning installation, or done as you go. You will also need to manually mark, drill, 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



-Rear driver rail holes (top rail all factory, lower rail two factory 3 manual).

# More factory and Custom Drilled Hole Locations.



-Forward driver rail hole locations (top rail is all factory, bottom is all manual).



-Passenger rail hole locations (top is all factory, bottom is all manual).



-Reference: the space between the lower rail and upper rails is 9". Spacer templates are provided to help make sure the rails are parallel and spaced properly.

### Step 1

Drill out existing factory holes marked blue F. Use step drill to 7/16" for a quality round hole. Do not over drill hole diameter (\*see below)



### Step 2

Install rivnuts to each factory hole (blue F in pictures). Do not over tighten.



### Step 3

Secure all rails with provided 5/16-18 rail bolts into factory hole locations. Do not use any Loctite until step 7.



### Step 4

For the rear lower driver rail, attach the rail with the two factory holes, use spacers to ensure it is parallel, mark the three manual holes.



### Step 5

For the lower passenger and forward lower driver wall rails, push the spacers securely into the top wall rail and clamp in place (they will be done 1 at a time).



### Step 6

Push the lower wall rail flush with the bottom of the spacers, line up the back end of the lower rail with the upper rail, and clamp the lower rail in place. Mark the locations of all manually drilled holes.



\*We have provided an oversize rivnut in case you should over drill one of the holes. Otherwise, the single oversized rivnut is not necessary for the installation process.

### Step 7

Once all manual hole locations are marked, remove the rail, drill the hole, widen with step bit, and install rivnuts.



### B Pillar Trim

Apply 1 drop of the provided Loctite to each rail bolt and reattach all rails. Use a strait edge and spacers to ensure the rails are parallel to each other, and tighten each rail bolt securely



### Step 9

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.



### Step 10

\*We recommend drilling one side of the bracket, moving to the other side of the ribbing, drilling that, and attaching with the appropriate 3" bolt, then moving on to the other side of the bracket to ensure everything lines up.

\*\*Note: If your order did not include upper cabinetry, you should have received a pair of installation templates which will serve the same purpose during this step of the installation process, as shown in the left picture.

# **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](mailto:mike@roostvans.com)