



CUSTOM CONVERSIONS

## Installation Instructions

### Mid 144" Paneling Kit



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).

| Image                                                                             | Qty | Part                                                                 |
|-----------------------------------------------------------------------------------|-----|----------------------------------------------------------------------|
|  | 48  | Screw - Self Drilling w/ Washer - #8 X 1"                            |
|                                                                                   | 1   | MPK 144 – Mid Wall – Driver B Pillar Piece (RV61-31)                 |
|                                                                                   | 1   | MPK 144 – Mid Wall – Driver B/C Pocket Top Connector (RV61-32)       |
|                                                                                   | 1   | MPK 144 – Mid Wall – Driver B/C Pocket Bottom Connector (RV61-33)    |
|                                                                                   | 1   | MPK 144 – Mid Wall – Driver C Pillar Piece (RV61-34)                 |
|                                                                                   | 1   | MPK 144 – Mid Wall – Driver C/D Pocket Top Connector (RV61-35)       |
|                                                                                   | 1   | MPK 144 – Mid Wall – Driver C/D Pocket Bottom Connector (RV61-36)    |
|                                                                                   | 1   | MPK 144 – Mid Wall – Driver D Pillar Piece (RV61-37)                 |
|                                                                                   | 1   | MPK 144 – Mid Wall – Passenger C Pillar Piece (RV61-38)              |
|                                                                                   | 1   | MPK 144 – Mid Wall – Passenger C/D Pocket Top Connector (RV61-39)    |
|                                                                                   | 1   | MPK 144 – Mid Wall – Passenger C/D Pocket Bottom Connector (RV61-40) |
|                                                                                   | 1   | MPK 144 – Mid Wall – Passenger D Pillar Piece (RV61-41)              |

\*For fabric

| Image                                                                               | Qty | Part                                                                 |
|-------------------------------------------------------------------------------------|-----|----------------------------------------------------------------------|
|  | 48  | Screw - Oval Self Drilling - #8 - 1"                                 |
|                                                                                     | 1   | MPK 144 – Mid Wall – Driver B Pillar Piece (RV61-31)                 |
|                                                                                     | 1   | MPK 144 – Mid Wall – Driver B/C Pocket Top Connector (RV61-32)       |
|                                                                                     | 1   | MPK 144 – Mid Wall – Driver B/C Pocket Bottom Connector (RV61-33)    |
|                                                                                     | 1   | MPK 144 – Mid Wall – Driver C Pillar Piece (RV61-34)                 |
|                                                                                     | 1   | MPK 144 – Mid Wall – Driver C/D Pocket Top Connector (RV61-35)       |
|                                                                                     | 1   | MPK 144 – Mid Wall – Driver C/D Pocket Bottom Connector (RV61-36)    |
|                                                                                     | 1   | MPK 144 – Mid Wall – Driver D Pillar Piece (RV61-37)                 |
|                                                                                     | 1   | MPK 144 – Mid Wall – Passenger C Pillar Piece (RV61-38)              |
|                                                                                     | 1   | MPK 144 – Mid Wall – Passenger C/D Pocket Top Connector (RV61-39)    |
|                                                                                     | 1   | MPK 144 – Mid Wall – Passenger C/D Pocket Bottom Connector (RV61-40) |
|                                                                                     | 1   | MPK 144 – Mid Wall – Passenger D Pillar Piece (RV61-41)              |

\*For bamboo

| Image | Qty | Part                                                                            |
|-------|-----|---------------------------------------------------------------------------------|
|       |     | 1 MPK 144 – Mid Wall – *Optional Inset Panel Driver B/C Window Pocket (RV61-42) |
|       |     | 1 Inset Panel Clip Set A                                                        |

\*Optional inset panel

| Image | Qty | Part                                                                            |
|-------|-----|---------------------------------------------------------------------------------|
|       |     | 1 MPK 144 – Mid Wall – *Optional Inset Panel Driver C/D Window Pocket (RV61-43) |
|       |     | 1 Inset Panel Clip Set B                                                        |

\*Optional inset panel

| Image | Qty | Part                                                                               |
|-------|-----|------------------------------------------------------------------------------------|
|       |     | 1 MPK 144 – Mid Wall – *Optional Inset Panel Passenger C/D Window Pocket (RV61-44) |
|       |     | 1 Inset Panel Clip Set B                                                           |

\*Optional inset panel

| Image | Qty | Part                                                         |
|-------|-----|--------------------------------------------------------------|
|       |     | 1 MPK 144 – Mid Wall - *Optional Slider Door Panel (RV61-45) |
|       |     | 1 Inset Panel Clip Set A                                     |

\*Optional inset panel

| Image | Qty | Part                                                                   |
|-------|-----|------------------------------------------------------------------------|
|       |     | 1 MPK 144 – Mid Wall - *Optional Rear Door Panel - Drv Side (RV61-46)  |
|       |     | 1 MPK 144 – Mid Wall - *Optional Rear Door Panel - Pass Side (RV61-47) |
|       |     | 1 Inset Panel Clip Set C                                               |

\*Optional inset panel

# 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.
  - Appendix I: Required Tools
  - Appendix II: Inset Panel Installation

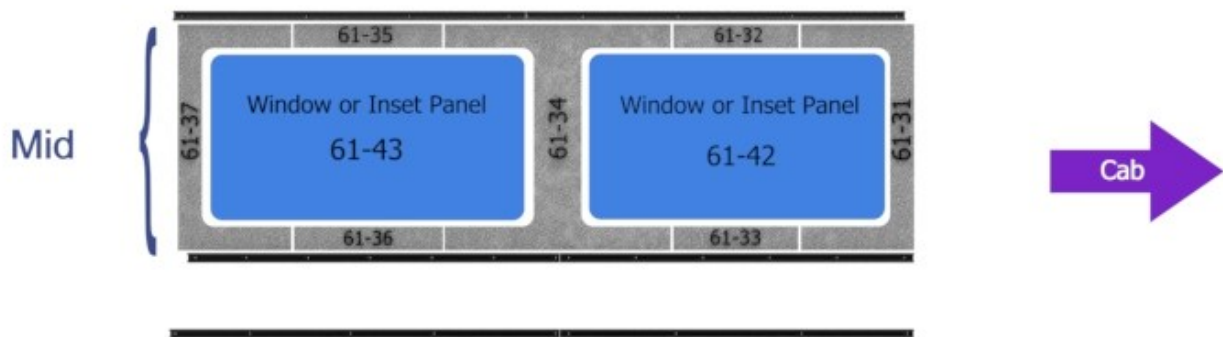
**Note:** There can be slight deviations from these appendices for each individual cabinet. Make sure to check for any notes included below the citation to the appendix for specific instructions or information.



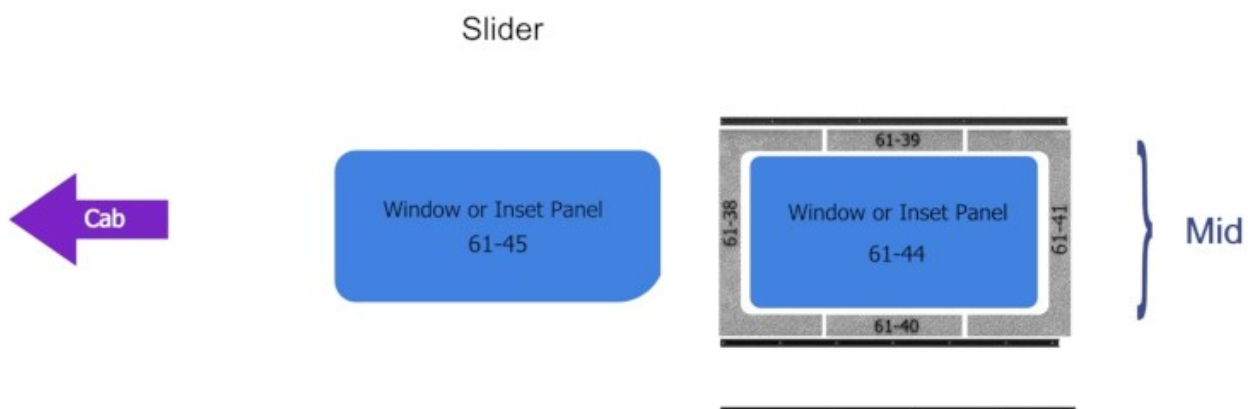
# Panel Layout

The following pictures show the layout of the panels in the van in relation to the mounting system.

## Sprinter 144" Driver Side

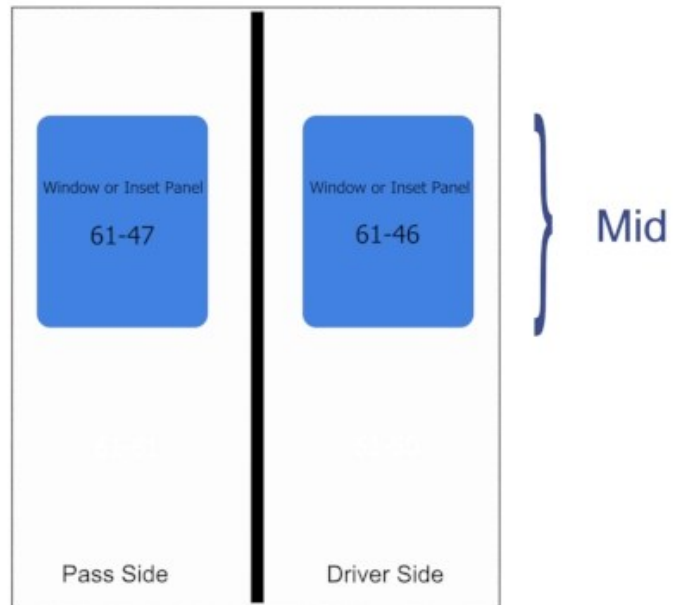


## Sprinter 144" Passenger Side



# Rear Doors

(Inside View)



# Before Installation

## 1

Our paneling kits are designed specifically for use with Roost's Smooth Rail Mounting System. Each piece is shaped and sized for this purpose. You will want to complete the installation of the mounting system prior to beginning the installation of your paneling kits.

## 2

It is recommended that prior to installing paneling, that all insulation and behind the wall electrical wiring work be done. Our paneling kits come with self drilling, thread forming screws, so panel removal is reasonably easy, but the goal is to never have to.

## 3

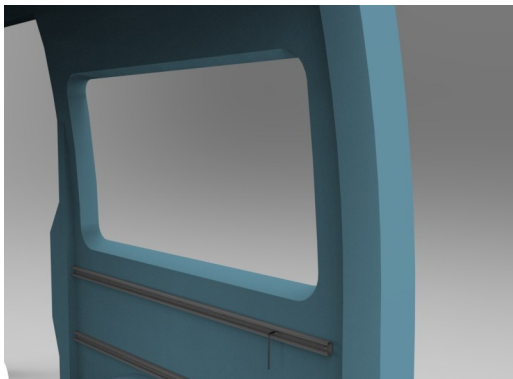
If you ordered unfinished bamboo panels, you will want to apply your desired finish prior to installation. Be sure they are properly dried and cured.

If you ordered pre-finished panels, and subsequently performed any cutouts, we recommend touching up the exposed cut edges to maintain the longevity and integrity of the wood.

# Installation Overview

## Step 1

Loosen the rails of the upper and lower mounting system (no need to loosen the ceiling and lowest rails). This will help provide a little “wiggle room” while panels are being installed.



## Step 2

Orient all panels. Labels are placed on the back side (the side that goes against the metal) of each panel. Labels are also placed in the forward position (the labeled edge should be closest to the cab of the van). Each label indicates the panel number. See page 4 For a diagram of the panel layout.



## Step 3

Position and install panels using the self-drilling screws. Be careful to not overtighten or strip out the sheet metal. It is recommended to use a drill or driver with a slip clutch set properly to avoid stripping. Take care to square, center, and flush each panel.



## Step 4

Install Inset panels if any were included on your order. See appendix II for details.



## Notes

1). *Some panels may not always meet perfectly flush at the edges. This is the nature of the flex involved in your van's individual characteristics. Use the provided shims to adjust as necessary for clean, flush meet points.*

2). *Due to the nature of van construction and flex during use, there can be a good deal of variability in the relative sizing and position of ribbings, factory holes and the general contours of the van body. Due to this we size our paneling kit on the proud side of the range of variability we have seen. Depending on the amount of flex in your van, you may need to trim some of the panels to get them to fit in the appropriate space and meet cleanly. If this is required for your build we recommend using a table saw for a clean straight cut, but alternatively you can make due with a skill saw and a precisely set guide.*

# Appendix I: Required Tools

To install a Roost Vans Paneling kit, we recommend the following tools:

Required Tools for Installation:

- Tape Measure (to properly mark if any cuts are required)
- Jigsaw to cut out any individual features (vent fans, AC units, windows, lighting, etc..)
- Bit driver with a properly set slip clutch to drive self-tapping screws.

Not Required but Recommended for Ease of Install:

- A table saw or lacking that a skill saw with a guide to ensure straight cuts. This is only needed if you need to trim panels to accommodate van flex as mentioned on page 7.



Required for all platforms: Jigsaw



Required: Bit driver with Phillips head attachment.



Required for all platforms: Tape Measure



Recommended for Ease: A table saw, or lacking that a skill saw with a guide.

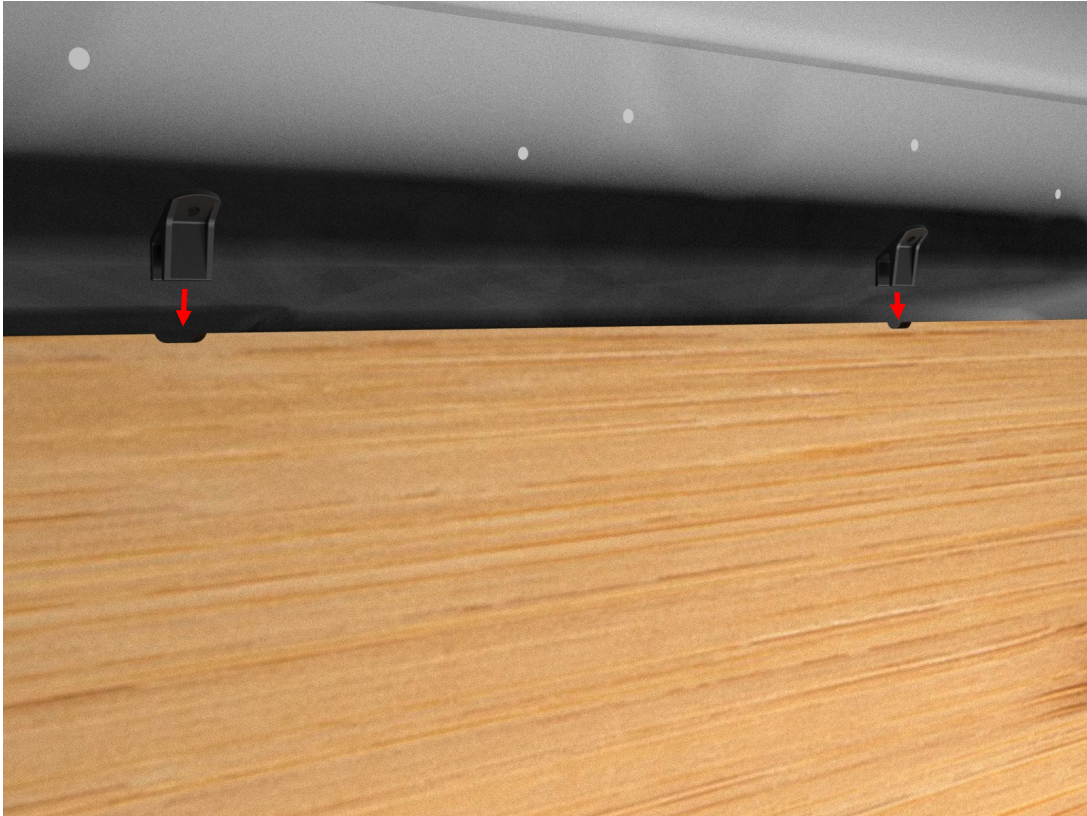
# Appendix II

## Inset Panel Installation



# Step 1:

Place the panel clips at the associated slots. Attach to the panels using the provided #6 x 1/2" Panhead Screws.



## Step 2:

Place the panel in the pocket at the desired location, and attach the panel clips to the van using the provided #8x1/2" Panhead screws (we recommend having a helper and/or a painters pole for this step).



# **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)