

Van Wife Components Bed System Installation Guide

Overview

The bed system consists of pairs of J-channel and bed panels. The J-channel has lasered holes for locking the panels in place using the thumb bolts on either side of each panel. J-channel and panels can be purchased as packages or a la cart and installation will vary accordingly.

Each pair of J-channel allows for one horizontal level of the bed system. For maximum configurations, including couch mode, 3 pairs of J-channel (6 pieces in total) will need to be installed in accordance with the following directions. 4 bed panels are recommended to allow for bunks. Please note platform bed dimensions are limited by van size. For simpler configurations, such as a platform bed only, configurations will differ.

Bed panels expand from 60"-72". The walls of your van need to fall between these dimensions for the system to be installed. Each panel is 18" deep. The front of the panel is flat and the rear of the panel has riveted on brackets. Each side has a thumb bolt that can be secured into lasered J-channel holes.

Please note that because any required wall support needs to be installed prior to installing your wall panels, we recommend planning for a full system install with 3 levels in the event you would like to add to the system in the future.

The J-channel will need to be attached to rigid support especially when it is mounted over the window knockouts or spans significant distance. Support tubing ($\frac{3}{4}$ " x 3") can be purchased from Van Wife Components for this purpose in 66" and 75" lengths and may need to be cut and/or modified for each application. There are many solutions for wall support when building a van and this guide is not inclusive of all options, but is meant as a framework for how you may use the bed system. This bed system is flexible by design and we strongly recommend using a van builder if you are not confident in your understanding of the system.

Installation Guide for 3 Levels (Complete System)



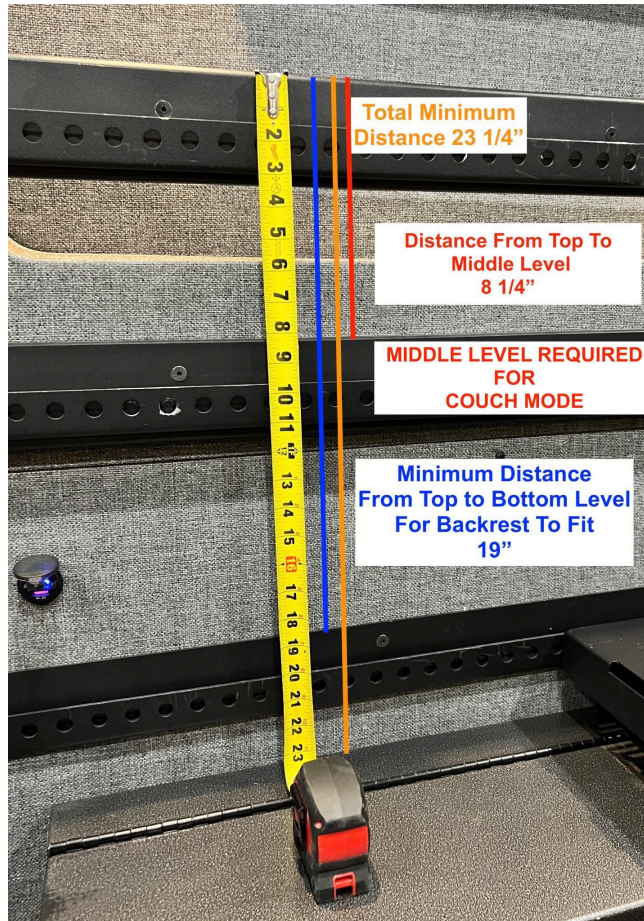
Before mounting any J-channel, be sure to read through this guide and mark your heights. Consider items that may require garage storage, height of the bench, minimum distance recommendations, and distance between levels in all configurations before you begin installation.

Determine the height you would like the upper J-channel.

Take into consideration any windows or flares that may need to be spanned based on this location and what support that will require.

We recommend (but do not require) using a 36"-40" dimension from the floor if you would like to have the couch mode with a bench just over the wheel wells.

The total recommended minimum height from the lowest point you must clear (wheel well, wheel well cover, etc.) to the top of the top level of J-channel is 23 ¼". This allows 22 ¼" for all three levels of J-channel plus a 1" clearance from your lowest point. A greater distance will result in a larger gap from the bench to the bottom of the couch backrest when in couch mode, presuming the middle level is mounted at the recommended distance.



Cut J-Channel to Size

If any of the J-channel needs to be shortened, cut the end toward the front of the van. The lasered holes work best when aligned from the rear.

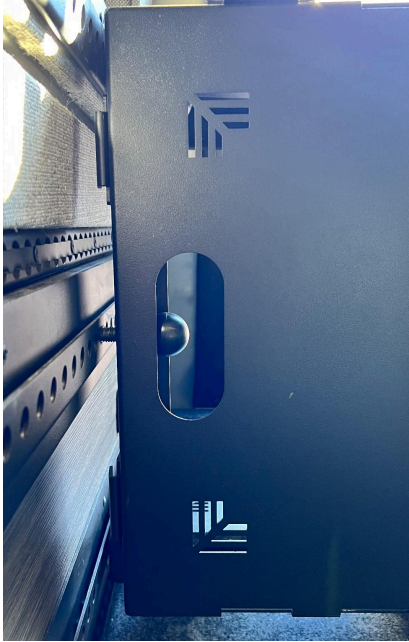
Mount Top Level J-Channel

Mount the top level of J-channel $\frac{3}{4}$ "-1 $\frac{1}{4}$ " off the back pillar of the van using self tapping screws, machine screws, or rivets. A minimum of 5 attachments points is recommended. Use low profile or countersunk fasteners so they don't interfere with the movement of the panels when inserted into the J-channel.

Mount Middle Level J-Channel

Next you will mount the middle level of J-channel. The primary purpose of the middle level is to act as a catch when the bed panel is mounted vertically in couch mode. ***This is required to prevent damage to the panel by securing it in place. The system has no hinges and is not meant to swing.*** This level can also provide a middle level

for horizontal mounting and is popular for a desk or table set up. The middle level of J-channel should be mounted $8\frac{1}{4}$ " down from the upper J-channel and inline for the panel to be able to catch the pre lasered holes. A framing square will help keep these aligned. This level must be on the same vertical plane as the upper J-channel, which may require a spacer. Depending on how your walls are built, this distance can vary.



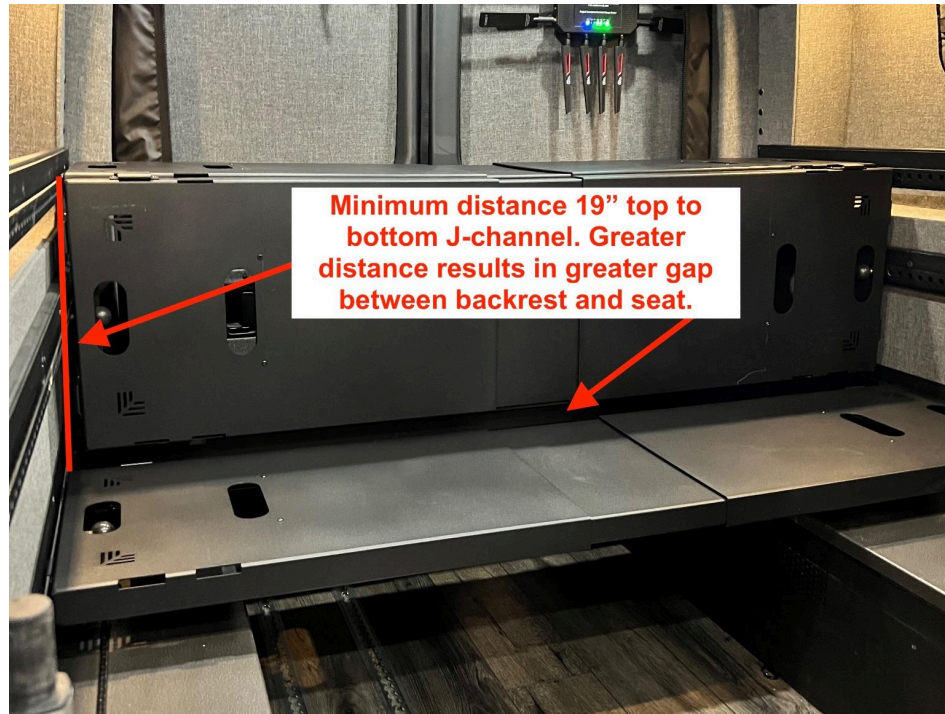
Mount Bottom Level of J-Channel

The bottom level of J-channel should be mounted last and be above the wheel wells or wheel well covers. It needs to be mounted about 1" above anything below to be sure that there is not interference.



The bottom J-channel should also be mounted inline with the middle J-channel. This does not need to be on the same vertical plane, because this level is not acting as a

catch. The minimum distance from the top level to the bottom level of J-channel is 19" for the backrest to fit. A greater distance than 19" will result in a greater gap between the seat and the vertical backrest panel.



Final Configuration

