



V-Nose Kit



Installation Instrucitons

Aluminum Cabinet Co. Inc.
4930 Lightning Dr. Hermantown, MN, 55811
(218) 722-7442
www.aluminumcabinetco.com

IMPORTANT:

Our V-Nose kits are designed to fit a wide variety of trailer styles and sizes. Because these kits are universal, some modification of the included components may be required to achieve a proper fit.

Providing adequate structural support and secure mounting is the responsibility of the installer. Depending on the trailer additional brackets, supports, fasteners, or other custom mounting solutions may be required and are not included with the kit.

Always use appropriate personal protective equipment (PPE) and follow all applicable safety procedures, including the safety instructions provided by the manufacturers of any tools or equipment used during installation.

Tools Needed:

- Drill
- Impact Driver
- Circular saw or Jig saw with non-ferrous metal blade
- #19 Drill Bit (may also use 5/32, 3/16)
- T20 Torx Bit
- #2 Square Bit
- 3/8" Wrench or Socket
- 5/16" Wrench, Socket, or Bit Driver
- Carpenter Square
- Tape Measure
- Straight Edge

Hardware Included:



Self-Drilling Screw

#2 Square Drive - #8 x 5/8"



Nylock Nut

3/8" Hex 10-32



Mounting Screw

5/16" Hex - #12 x 1"

IMPORTANT: This screw is used for mounting.
Please ensure that the length of the screw is compatible with the thickness of the trailer wall.



Shelf Stud

10-32 Stud



Torx Screw

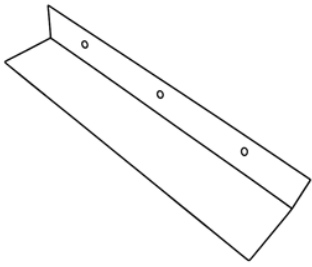
T20 Torx - 10-32 x 1/2"



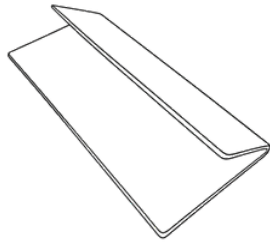
Flange Nut

3/8" Hex 10-32 Flange Nut

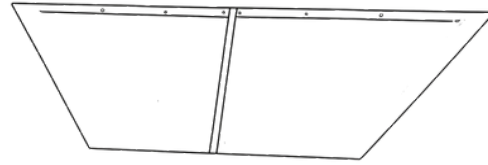
Overhead Cabinet Components



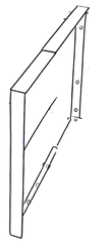
Frame Filler Panel
(x2)



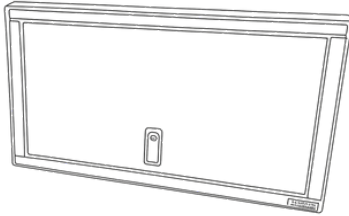
Wall Filler Panel
(x2)



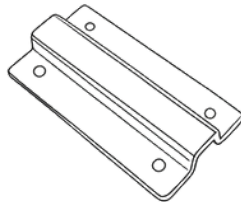
Left & Right Bottom Panels
((1) Left, (1) Right)



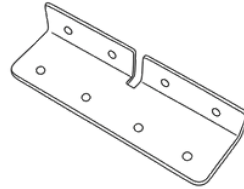
Adjustable Divider
Panel (x1)



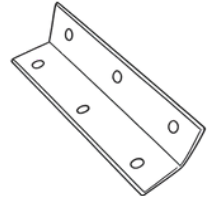
Door Assembly
((2) Small Kit, (3) Large Kit)



Bottom Frame Bracket
((2) Small Kit, (3) Large Kit)

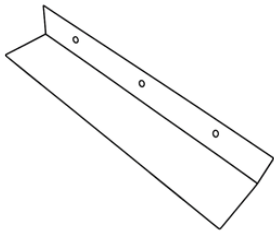


Top Frame Bracket
((2) Small Kit, (3) Large Kit)

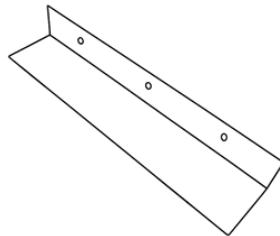


Mounting Bracket
(x6)

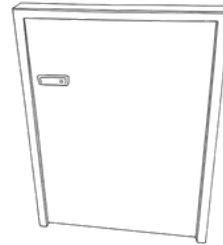
Base Cabinet Components



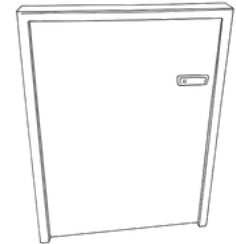
Frame Filler Panel
(x2)



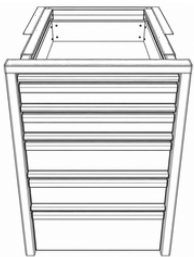
Wall Filler Panel
(x2)



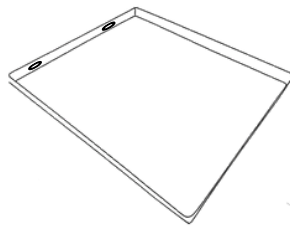
Door Assembly LH
(x1)



Door Assembly RH
(Quantity varies with kit)



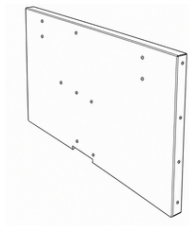
Drawer Assembly
(With drawer kit only)



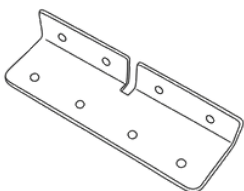
Shelf (x1)
(With Door Only Kit)



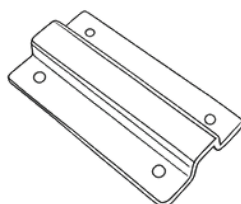
Adjustable Filler Panel (x2)
(With Door Only Kit)



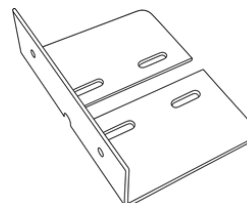
Divider Panel (x2)
(With Door Only Kit)



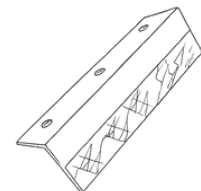
Top Frame Bracket
(x2)



Center Frame Bracket
(x2)

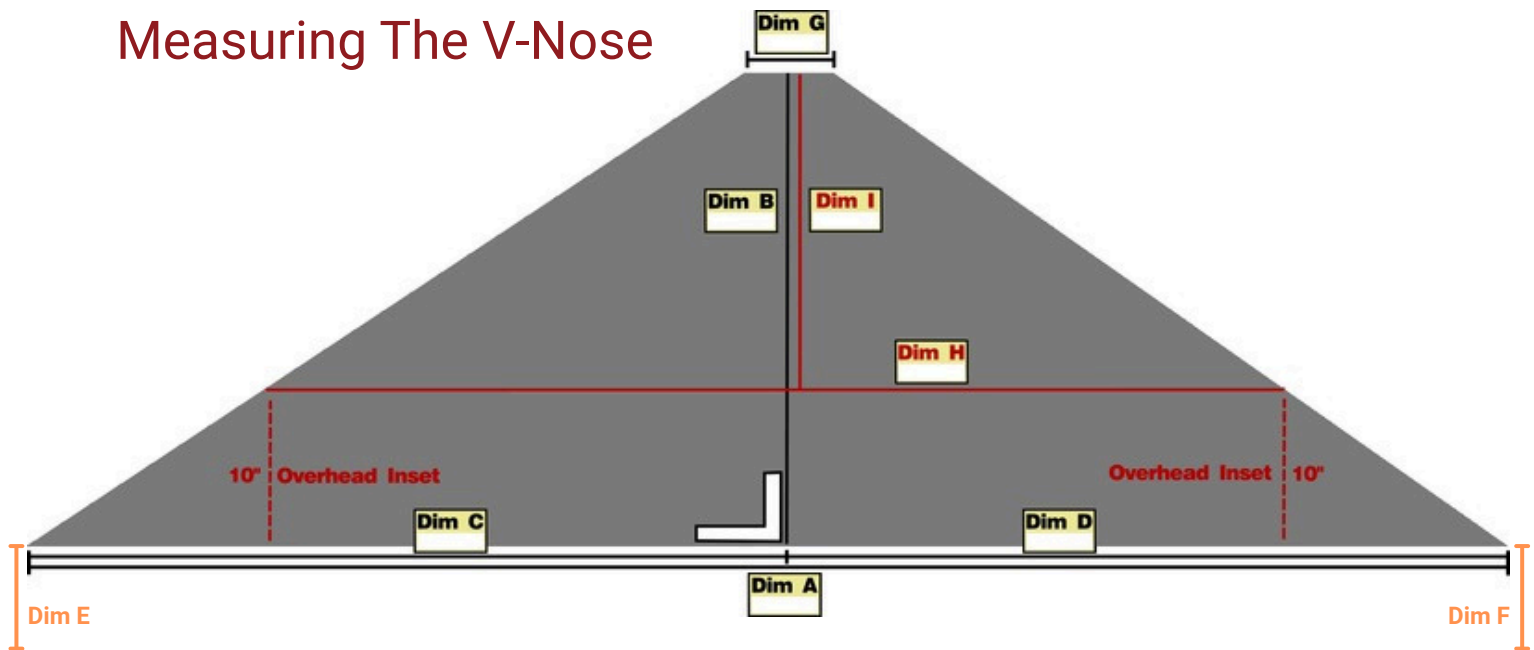


Adjustable
Bottom Brackets
(x2)



Countertop Brackets
(x6)

Measuring The V-Nose



Measurement A: Overall width of the trailer interior

Maximum Widths: Small Kit - 88", Large Kit - 101"

Measurement B: Measure the overall depth from where you would like the face of the cabinet to the tip of the V.

Maximum Depths: Base Cabinet 34", Overhead Cabinet 24"

Measurements C & D: You are measuring for offset in the trailer because most are not square. Put a straight edge across the width of the trailer where the V meets the straight walls. Use a second straight edge squared to the first one, extend it to the tip of the V. Mark where the two straight edges intersect. Measure from the left wall to that mark for Measurement C and from the right wall to that mark for Measurement D

Measurements E & F: The kit is designed for the base cabinet to be installed where the V meets the flat wall. If desired you may move out from that position. You would then need measurements E & F

Measurement G: If there is a flat in the top of the V, this would be the measurement of that flat

Measurement H: The overall width 10" inset from the face will be the overheads width.
NOTE: If the width does not fall within the range of your kit (Small Kit: 58" - 67.5", Large Kit: 72" - 81.5") you will need to adjust the inset distance.

Measurement I: Equals (Measurement A - Overhead Inset (Recommended 10"))

Copy these measurements to a cardboard template. If you have an offset with measurements C & D be sure to mark the top and bottom on your template for future reference.

Assembly of the Overhead Cabinet

Create and test template: Create an overhead template on cardboard using the measurements: G, H, & I.

Test the template for fit at the height the cabinet will be installed. Make adjustments to the template if necessary.



1. Secure the cabinet doors together using the **Top Frame Brackets** and **Self Drilling Screws** making sure the frames are flush across the top



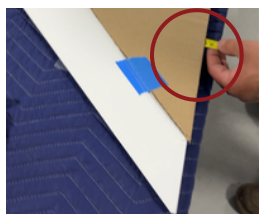
2. Install the **Bottom Frame Brackets** with **Self Drilling Screws** at the base of the vertical frame.



3. Install **Frame Filler Panels** using **Self Drilling Screws** on both sides of the cabinet. These may need to be trimmed if the cabinet exceeds **Measurement H** when they are installed.



4. Bolt together the left and right **Bottom Panels** using **Torx Screws** and **Nylock Nuts**.



5. Flip the assembled **Bottom Panels** so the flanges are down. Place your template with the bottom up over the **Bottom Panels** centered with the seam. Move the template 1.5" past the bottom flange to account for the frame width. Trace the template and trim the bottom panels to size with your saw. Test for proper fitment and trim as needed



6. Attach the trimmed bottom panels to the bottom frame of the door assembly using **Self Drilling Screws**.

Overhead Assembly (Continued)

7. Remove the previously installed **Nylock Nuts** from the **Bottom Panels**. Put the **Adjustable Divider** into place. Secure the divider to the **Bottom Panel** with the **Nylock Nuts** you removed and secure it to the frame with **Self Drilling Screws**.

NOTE: If you have a slopped V, this **Adjustable Divider** may need to be trimmed to match the ceilings slope.

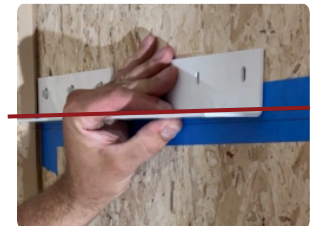


8. Attach the **Wall Filler Panels** to the **Frame Filler Panels** with **Self Drilling Screws**. You may need to trim them to achieve the overall width needed. NOTE: Because these are a universal piece the angle of the filler may not match your trailers angle and would require manual adjustments to match.



OVERHEAD INSTALLATION

1. Mark the trailer walls down 16" from the ceiling and make a straight line marking where the cabinet bottom will fall on the walls. Install the **Mount Brackets** on wall studs using the **Mounting Screws**. Ensure that the fasteners will not go through the trailers wall to the outside. The cabinet will sit on top of these brackets, so mount them with the top face level with your line. If your wall studs are metal you will need to pre-drill a hole with a #19 drill bit. Install on each stud and on the flat of the V if it is wide enough. Use 3 Mounting Screws on each bracket.



2. Slide the cabinet into place on top of the **Mount Brackets**. If your ceiling has a slope you may need to trim the **Divider Panel** for proper fitment. Once you have proper fitment secure the **Wall Filler Panels** to the wall with **Mounting Screws**.

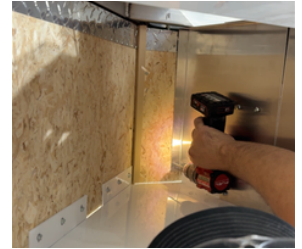


Overhead Assembly (Continued)

3. Match drill the **Bottom Panels** with the **Mount Brackets** using a #19 Drill Bit. Secrue the **Bottom Panels** to the **Mount Brackets** with **Torx Screws** inserted from the bottom and **Nylock Nuts**.



4. Loosen the screws on the **Adjustable Divider** and slide tight against the front of the V. Secure to the wall with **Mounting Screws** and re-tighten the **Adjustable Divider** screws.



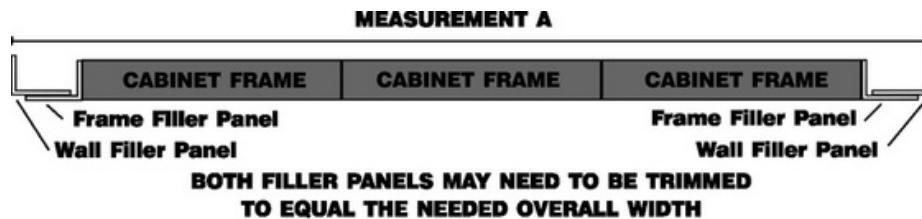
5. Secure the **Adjustable Divider** to the ceiling cross braces using **Mounting Screws**. Pre-Drilling may be necessary. If there are no cross braces to secure too, you may be required to create a custom bracket for securing to the ceiling.



Ensure the cabinet is securely mounted. You may be required to create and install additional brackets for sufficient support and secure mounting.

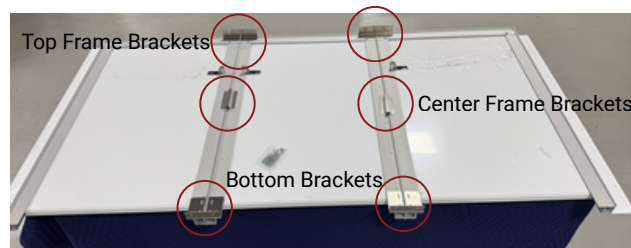
Assembly of the Base Cabinet - No Drawers

1. Attach the **Frame Filler Panels** to the left and right door frames using **Self Drilling Screws**. These may need to be trimmed if the assembled width exceeds the width of measurement A.



NOTE: Only trim the longer faces of the filler panels. Ensure they still overlap by a minimum of 1".

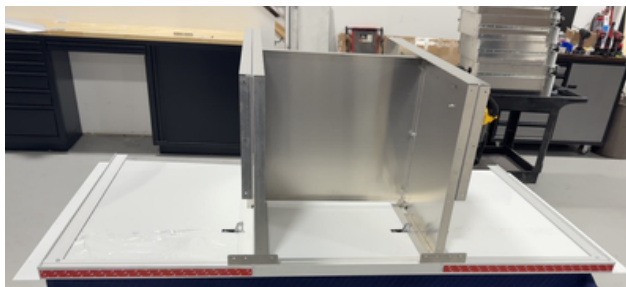
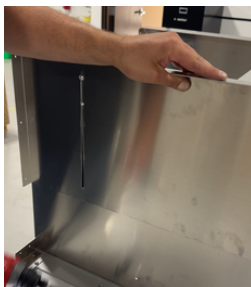
2. Secure the middle door frame to the assembly by installing the **Bottom Brackets, Top Frame Brackets & Center Frame Brackets** with **Self Drilling Screws**. Be sure to install the **Center Frame Brackets** in the center of the vertical frame.



3. Install **Divider Panels** to the center frame so the flanges are in towards the center using **Self Drilling Screws**. Ensure they are flush with the top and bottom frame.
4. Install the **Shelf** at desired height between the **Divider Panels**. This will not be adjustable later. Use **Shelf Studs** with **Flange Nut** for installation. Insert studs from the outside so the nut will not cause interference with the **Adjustable Filler Panel**.

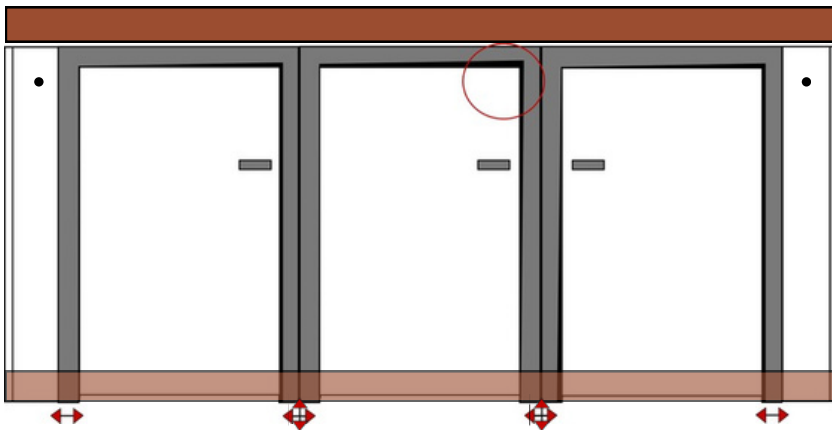


5. Install the **Adjustable Filler Panels** to the outside of the divider panels. Use **Torx Screws** through the **Adjustable Filler Panels** into the pressed nuts on the **Divider**.



6. Trim the **Wall Filler Panels** if necessary and install on the trailer walls where the V meets the straight wall. Use **Mounting Screws**. Pre-drilling the holes may be necessary.

7. Slide the cabinet assembly into place in front of the **Wall Filler Panels**. Secure the **Frame Filler Panels** to the **Wall Filler Panels** with one **Self Drilling Screw** at the top.



9. Check for even gaps around the doors. Move the bottoms of the frames left or right to achieve an even door gap. Once all adjustments have been made install the remaining Self Drilling Screws in the Frame Filler Panels. Adjust the the Bottom Brackets so they are flat on the floor and secure with Mounting Screws.

10. Loosen the screws on the **Adjustable Filler Panel** and slide it back to the wall. Re-tighten the **Adjustable Filler Panel** screws and secure to the floor with **Mounting Screws**.

11. You are now ready to install your countertop. If you have purchased an Aluminum Cabinet Co. Counter please see Countertop Installation Instructions.

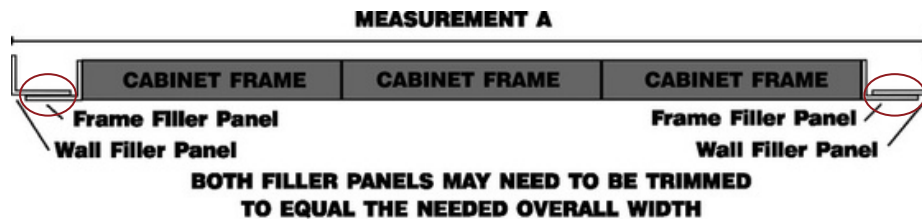


8. Lay a straight edge across the top of the frames and shim the bottoms as necessary to make them flush. Move your straight edge to the bottom of the assembly and adjust the frames in or out to make the faces flush.



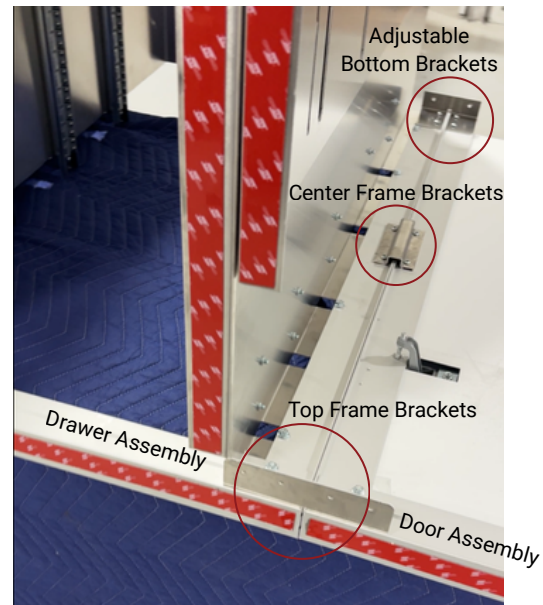
Assembly of the Base Cabinet - With Drawers

1. Attach the **Frame Filler** panels to the left and right **Door Frames** using **Self Drilling Screws**. These may need to be trimmed if the assembled width exceeds the width of measurement A



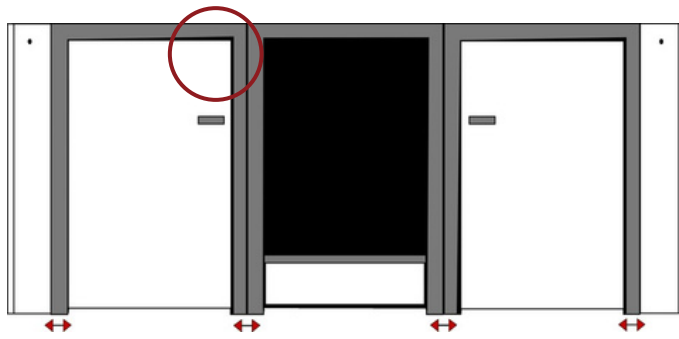
NOTE: Only trim the longer faces of the filler panels. Ensure they still overlap by a minimum of 1".

2. Remove the drawers from the **Drawer Assembly** by pulling out the drawer and pressing the release tabs on the drawer slides to fully remove the drawer. Secure the **Drawer Assembly** between the two **Door Assemblies** by installing the **Adjustable Bottom Brackets**, **Top Frame Brackets** & **Center Frame Brackets** with **Self Drilling Screws**. Be sure to install the **Center Frame Brackets** in the center of the verticale frame.



3. Trim the **Wall Filler Panels** if necessary to acheive proper overall width and install on the trailer walls where the V meets the straight wall using 3 **Mounting Screws** on each. Pre-drilling the holes may be necessary. Slide the cabinet assembly into place. Secure the **Frame Filler Panels** to the **Wall Filler Panels** with one **Self Drilling Screw** at the top.





4. Insert the bottom drawer into the assembly and adjust the vertical frames to achieve consistent gaps around the doors. Shimming may be necessary if the floor is uneven. Open the drawer and close it listening for one click as the latches latch. If the latches are not aligned you will hear more than one click and adjustments are necessary. To adjust close the drawer and wiggle it side to side as well as front to back. Open and close the drawer again to check alignment. Repeat as necessary. Once proper alignment is achieved in the drawers and doors install the 2 remaining **Self Drilling Screws** in the **Frame Filler Panels** and secure the **Bottom Frame Brackets** to the floor with **Mounting Screws**.



5. Pull out the drawer and secure the **Drawer Assembly** to the floor with **Mounting Screws**. Close the drawer and ensure it still latches properly.

6. Insert the remaining drawers. Loosen the screws that hold the **Adjustable Side Panels** in place. Slide the **Adjustable Side Panels** back until they are against the back wall and secure to the floor using **Mounting Screws**. Then re-tighten the **Adjustable Side Panel** screws.



You are now ready to install a counter top. If you purchased the Aluminum Cabinet Co. Countertop please see countertop installation instructions

Aluminum Countertop Installation

NOTE: The tape used to adhere the countertop to the cabinet assembly requires a minimum temperature of 50°F. For best results try to maintain a temperature of 70°F.

1. Use a straight edge to span the side panel and cabinet frame and install the **Counter Top Brackets** at that height with **Mounting Screws**. Be sure to install them into the wall studs. Pre-drilling may be required if the wall studs are metal. Install a minimum of two per side. If the flat in the V is wide enough, install one there as well.

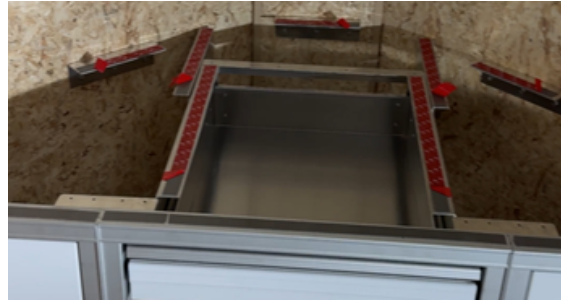


2. Dry fit the V-Nose template to ensure proper fitment. Measure the amount that needs to be added to the template so the counter extends to the face of the cabinet.



3. With your template oriented properly mark the bottom of the countertop adding the extra that was measured in the previous step for the cabinet frame. Measure from the inside of the countertop flange. Dry fit the Countertop after cutting and trim as necessary for proper fitment.

4. Remove the red backing from the tape on the front frames. Fold over the corners on the remaining backing so you can easily remove it when the counter is in place.



5. Lift the countertop into place putting the rear of the counter top down first. Lower the front into place while pushing it towards the front of the trailer to ensure it is seated in the V fully.



6. When the countertop is fully in place remove the rest of the tape backing from the underside by pulling from the corners you folded over.

7. Once all the tape backing has been removed apply pressure to the countertop surface to fully adhere the tape.

