

PROMASTER 159" CEILING KIT

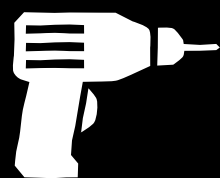
Installation Guide

www.sergsupply.com

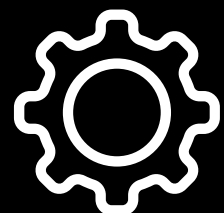


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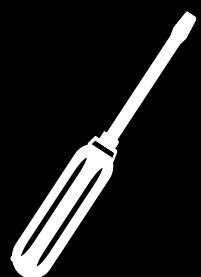
What you will need to get started:



Power Drill
With Phillips Drive



Rivet Nut Tool
With 1/4"-20 Thread Pattern



Screwdriver
With Phillips drive



Disclaimer!



This cabinet must be fastened properly to the walls of the vehicle to avoid damage or injury. You are responsible for ensuring that this cabinet is fastened using rivet nuts or other fastening method equal in strength. Modification to this unit may affect the structural strength of the unit. Avoid making large cuts on vehicle partitions or beams as this may weaken the vehicle. You are responsible for ensuring proper wiring and insulation when wiring your build as faulty wiring may create a fire hazard. Any cabinetry or load-bearing components need to be mounted to the vehicle and not to the cabinet alone.

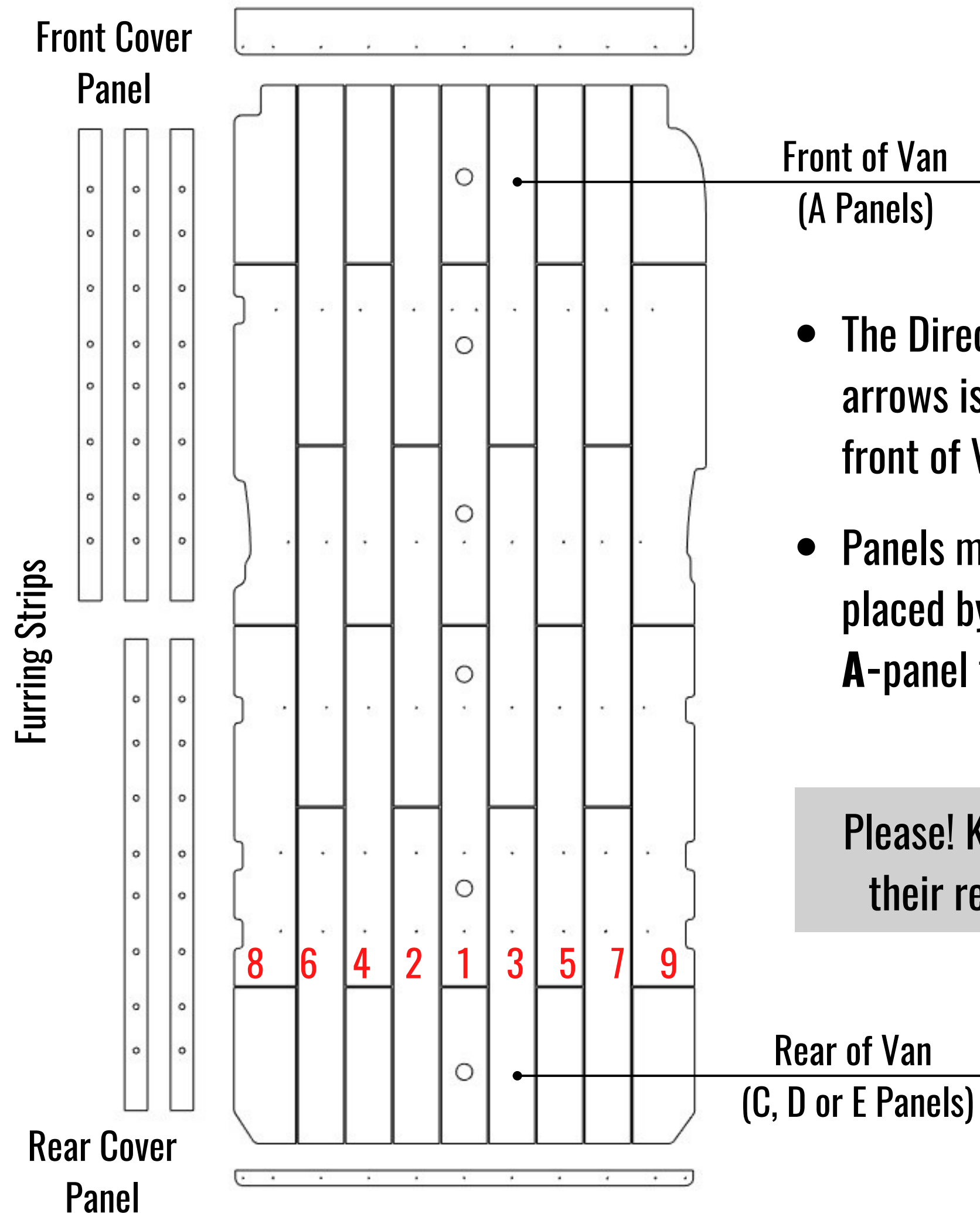
What's Included:

- Ceiling Panels
- Installation Hardware

Layout:

This kit uses a row-by-row method that makes installation easier.

- Unpack all the ceiling Panels. Please note they are packaged by row (1-9).
- Look at the illustration for placement.



- The Direction of arrows is towards the front of Van.
- Panels must be placed by rows from **A**-panel to **D**-panel.

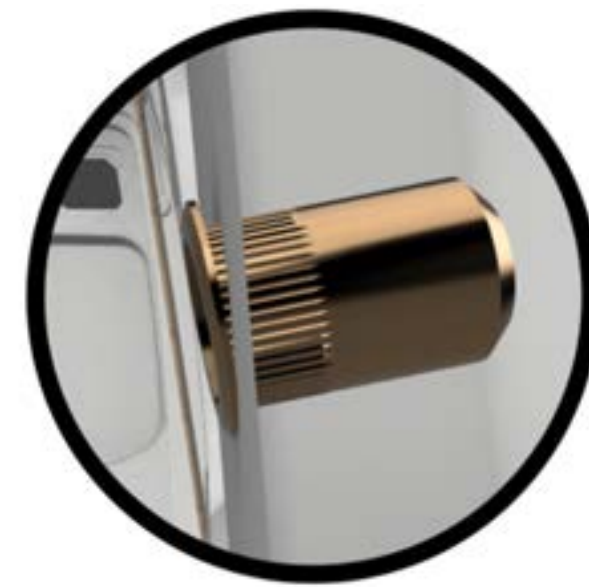
Please! Keep Panels with their respective rows.

Pre-Installation Notes

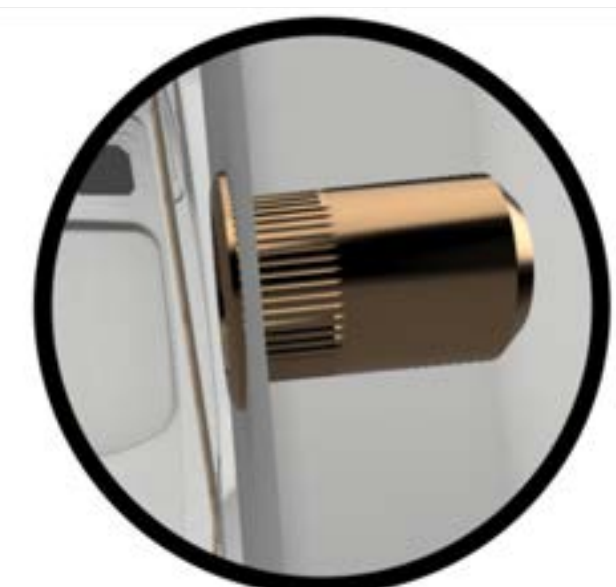
- The illustration on the previous page is for the **159" WB**. While mounting process is identical for the **136"** and **159" EXT**, the number of overhead beams and length of paneling changes. Follow the same process outlined in this guide for proper installation.
- The rivet nut placement is specifically designed to give you flexibility on mounting screw placement. You can always add more screws to your ceiling panels than those included with your kit

Rivet Nuts & Proper Threading

- Mark the proper holes with a permanent marker all at once before beginning to drill them out to size with the included drill bit.
- Be very careful not to apply too much pressure and keep the drill at low speed to avoid damaging the outer shell of your vehicle. The drill bit tends to catch the metal and slam the bit into the ceiling of the van. If you're not careful.
- Once all holes are drilled out, begin installing the rivet nuts. Be sure that the rivet nut is installed perpendicular to the surface as threading screws in at an angle may cross-thread the rivet nut.



Improper Angle



Proper Angle

NOTE:

Rivet nut size is specifically chosen to match the opening size of the rectangular slots in your ceiling – drilling may not be necessary for beams excluding row 2.



Improper Angle



Proper Angle

- Take extra care to ensure the screw is threaded straight and not at an angle. Threading the screw at any angle may cross thread the rivet nut.
- Once all rivet nuts are installed, begin threading on your ceiling screws with a screwdriver.
Never use power tools to thread machine screws.
- Always use finish washers when doing final installation. These act to cover any re-sized holes and prevent the screws from loosening over time.
- The panels are designed to fit factory holes throughout the vehicle. Line up the panel up against the area it covers to approximate the holes you'll need to apply rivet nuts into.

Installing Furring Strips. Part 1

- The furring strips are all identical except for the second beam – the beam over the slider door.
- The holes in the furring strips will align with holes already in your ceiling. Use the strips as guides to know where to place rivet nuts. You may need to bore out the holes slightly for the rivet nuts to fit.
- On rectangular holes, place the rivet nuts as far forward as possible.
- Once all rivet nuts are installed, you can begin to install the furring strip.



Installing Furring Strips. Part 2

- Use your 1" screws along with a washer to install the screws in the pre-drilled slots. Before tightening all the way down on any screws, make sure the screws do not hit the ceiling. If they contact the ceiling, Stop and contact us immediately.
- Use your hands to tighten these carefully. They may cross thread and strip if you use power tools.



Assembling Rows

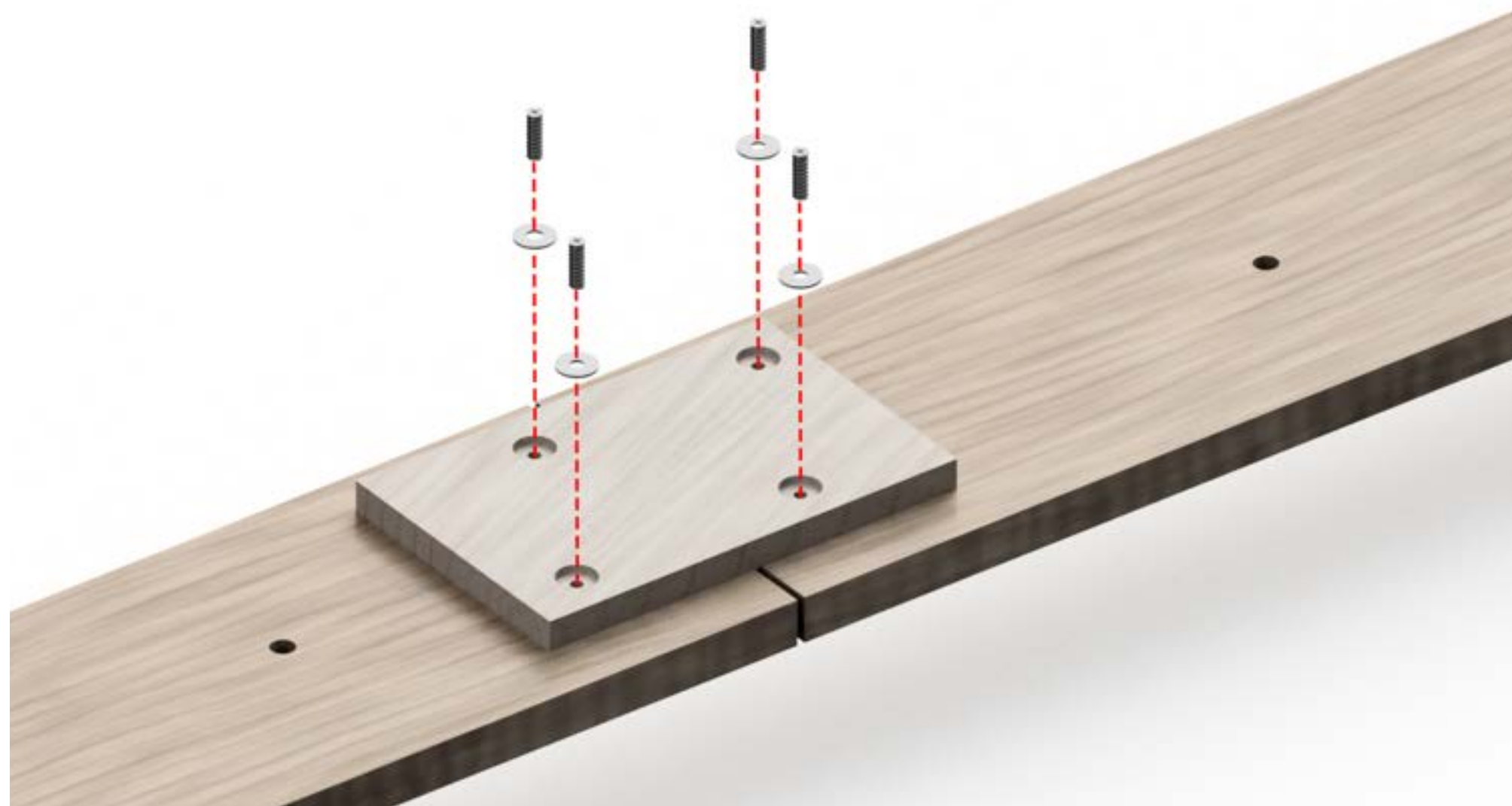
This kit uses a row-by-row method that makes installation easier. You will begin by assembling the A-D panels into 9 continuous rows.

- The Face with label and direction carving goes up towards the ceiling.
- The Direction with arrows is towards the front.
- Start by laying down row 1 on a clean and flat surface. With the arrows all pointing in the proper direction, place panel 1A and 1B up against one another.
- Place your shim between the ends of the panels (from side to side) and fetch a union panel with (4) union screws and (4) washers.



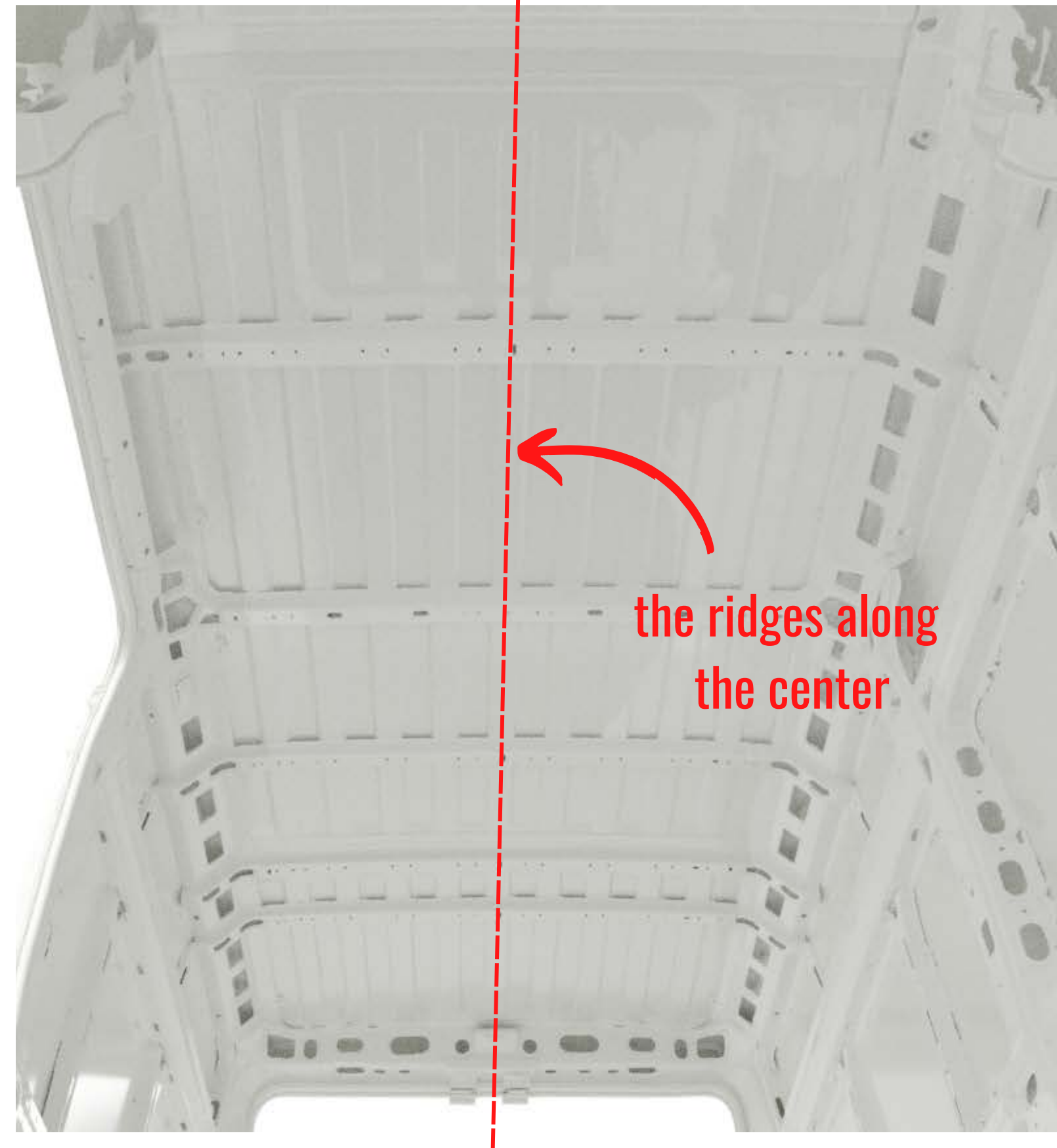
Ceiling Kit Installation - Promaster 159"

- Place the union panel on top of the joint and align your 4 wood screws.
- Double check alignment and spacing before fastening.
- Repeat this process for the 3rd and 4th panel (A or D) until the row is complete.
- Continue this process until all 9 rows have been assembled.



Aligning The Center Row

- Enter the van and observe the ridges along the center of the van ceiling. These are the only true guide that can be used to center the panel. (See illustration below).
- Find the center of the ridge and at each beam, mark with a sharpie the dead center on your furring strip.
- The holes on the overhead trusses don't always land in the same place from van to van, so it's crucial that you use the ridge running the length of the van along the center.
- On every furring strip, mark a tick 3.125" to the right and left of this center line on each truss. These will be used to center the first row (Row 1).



Aligning The Center Row

- The holes on the overhead trusses don't always land in the same place from van to van, so it's crucial that you use the ridge running the length of the van along the center to center the panel.
- Once all rows are assembled, start with Row 1 by flipping it such that the union panels are facing up towards the ceiling.
- Start installation by having a friend hold the Row 1 up with you and align the panel along the center of the vehicle.
- Shoot a screw through the pre-drilled hole and fasten the panel to the furring strips.



Install Remaining Rows

- Set the second row in place the union panels facing upwards and make sure a shim is wedged between row 1 and 2.
- Once panels are snug against the shims, use the ceiling mounting screws to fasten this row in place.
- Continue until all rows are fastened to the furring strips.
- Install Rows 3-9 in the same manner, maintaining proper spacing between each.

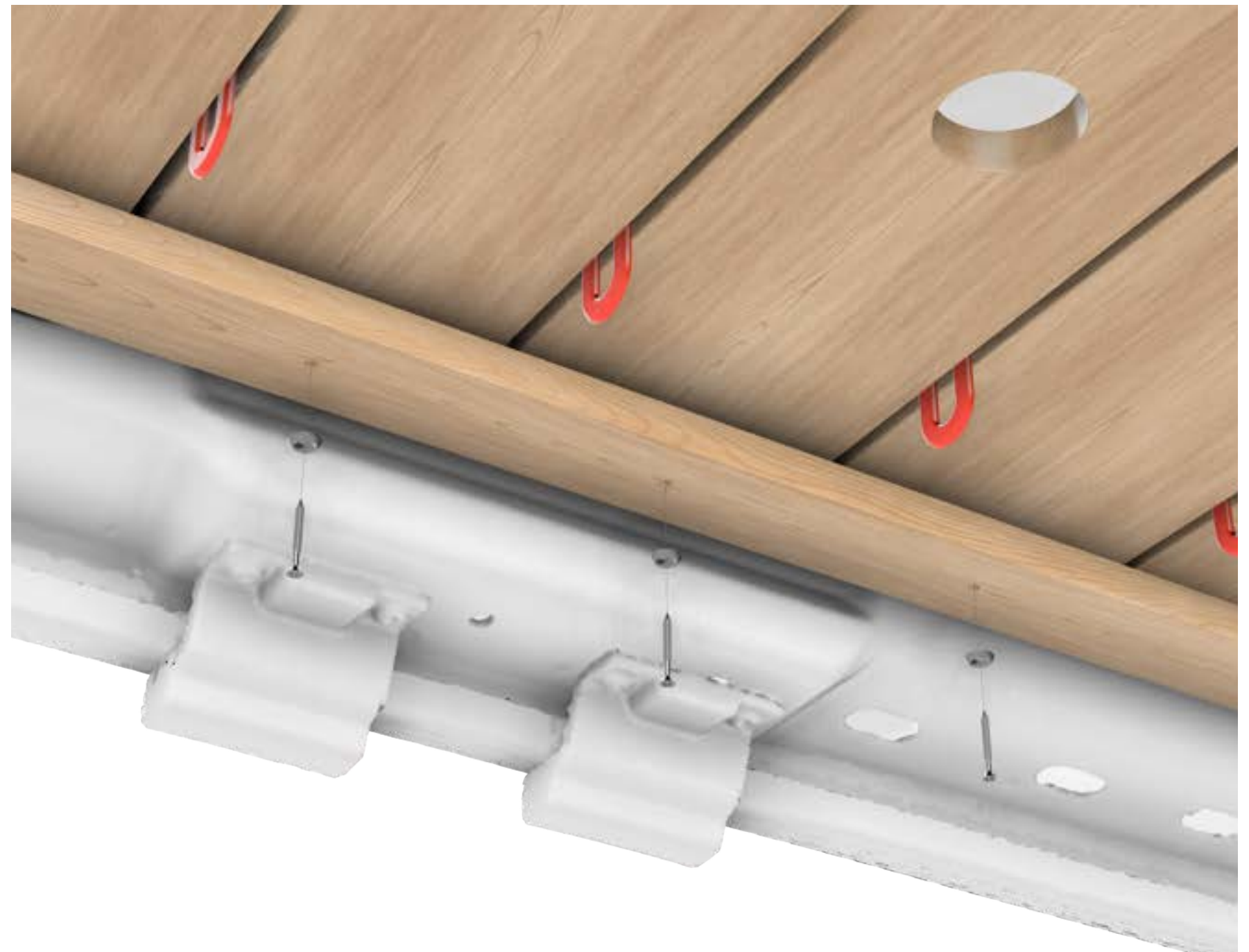


Cover Panels:

Once all ceiling panels are installed, you can install the front and rear cover panels.

You will notice two rectangular panels included with 9 holes in each. These are your front and rear cover panels. The wider panel is the front cover panel (holes facing towards rear of vehicle, longer side front).

- Align the center of the cover panel with the center of row 1. With the outer edges flush, you can drive in the center screw with a power drill.
- Insert your shims between each row for perfect spacing before continuing.
- Work your way from the center row outwards in both directions until both cover panels are installed before removing the shims.



Ceiling Fan Cutouts:

- If you purchase a ceiling kit with a pre-cut fan opening, installation will only differ in union panel placement if the fan lands on a gap between panels.
- If you have a "floating" panel A or D, the union panel holes will be oriented sideways to join the floating panels to Rows 2 and 3.
- You will need to install Rows 1-3 at the same time. Get a helping hand to prevent damaging the rows.

Medium Roof Models:

- Medium roof model promasters are similar installation methods, but with an additional row on each end. You will notice rows 10 and 11 which are to be installed in the same method as 1-9.
- The Extended model promaster has identical mounting aside from an additional length of paneling in the rear.
- The 136" WB is identical in mounting aside from shorter paneling.

Lighting and Wiring:

The beauty of row-by-row installation method is the ease of running wiring. You may loosen or remove the screws on a single row for an easier time feeding wiring through your ceiling.

- It is not advised to constantly remove and reinstall your panels. This may weaken the hold of the wood screws and additional fasteners will be needed to reinforce the mounting point.
- Install puck lights by feeding wiring from the outside and pushing the puck light into place. The springs on the back will lock it in place.
- Each puck light set comes with a ballast that can be wired to your 12V power supply or dimmer.

Final Step

Enjoy your kit and go adventure!

Send us a photo or tag us on **Instagram @sergsupply**, we'd love to see your build.