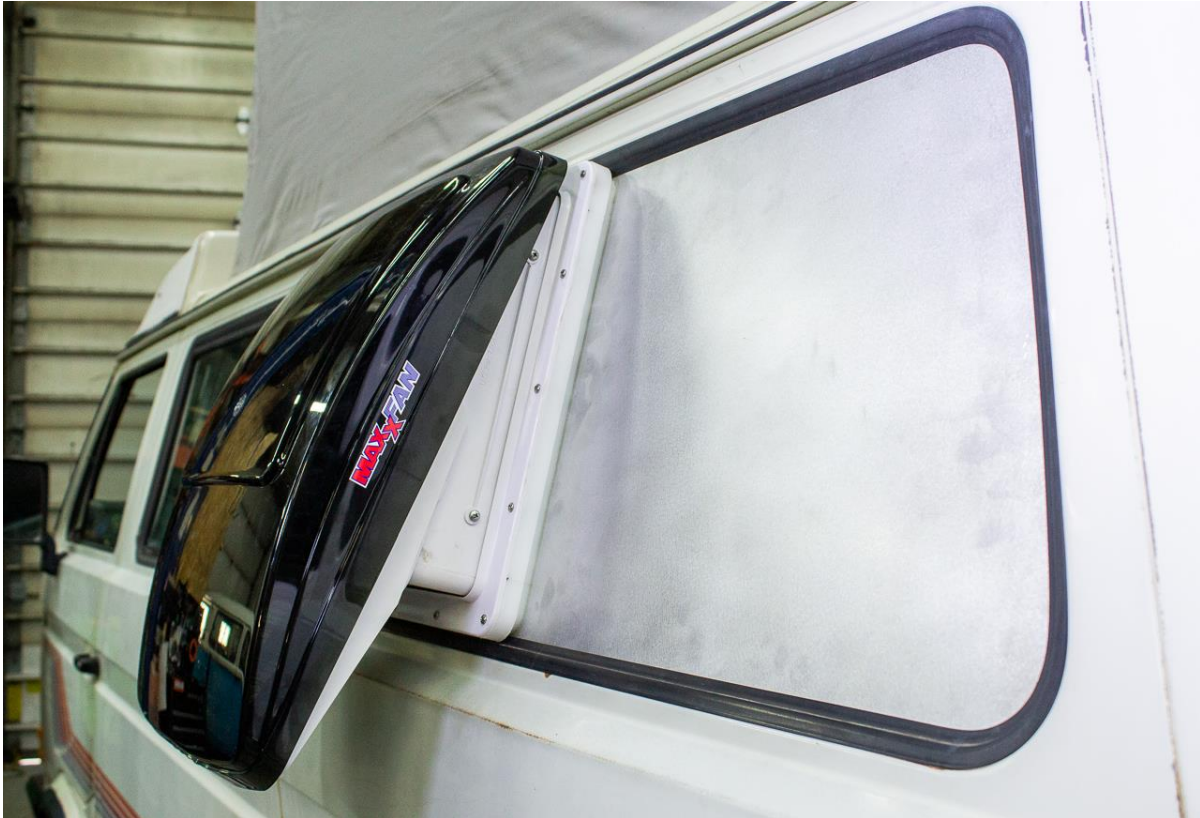




## Van Cafe MaxxFan Window Adapter Installation Instructions



# Introduction:

Thank you for purchasing the Van Cafe MaxxFan Adapter. We pride ourselves in the products we develop and will not bring an item to market that we do not fully believe in. Please go to [www.vancafe.com](http://www.vancafe.com) to find a full complement of accessories for your van.

NOTE: Some photos in these instructions illustrate a plastic replacement window that is still in the R+D phase of production. Installation using our aluminum window replacement is the same as illustrated.

## What's Included in the kit:

- Adapter Flange Assembly Kit – PN: 007941
- Aluminum side window replacement -- 007963
- Hardware Kit – PN: 007965
  - (20) - M5 x 0.08 Nut [Zinc] - PN: 006916
  - (20) - Phillips Flat Head Screws M5 x 0.8 x 30mm - PN: 007966
  - (17) - Phillips Rounded Head Screws #8 x 3/4" - PN: 007967

## Tools Needed:

- Philips Head Screwdriver
- Cordless Driver w/ Philips head
- Caulk Gun
- Clear Exterior Silicone Sealant
- Handsaw or Dremel to trim fan garnish trim ring

## About the Fan:

The fan shown in these instructions is the MaxxFan Deluxe made by MaxxAir Ventilation Solutions. It comes in several different colors and options (fan speeds, remote operation). The Deluxe version of MaxxAir fan offers great useability and ease of use. MaxxAir also offers several different fan models that will also work with our adapter kit such as the MaxxFan Plus, and the MaxxFan Low Profile fans. These two fans have a larger mounting flange and will require trimming for correct fitment. There may be other fans on the market that work with our adapter kit, but the MaxxFans are what we've thoroughly tested with great results.

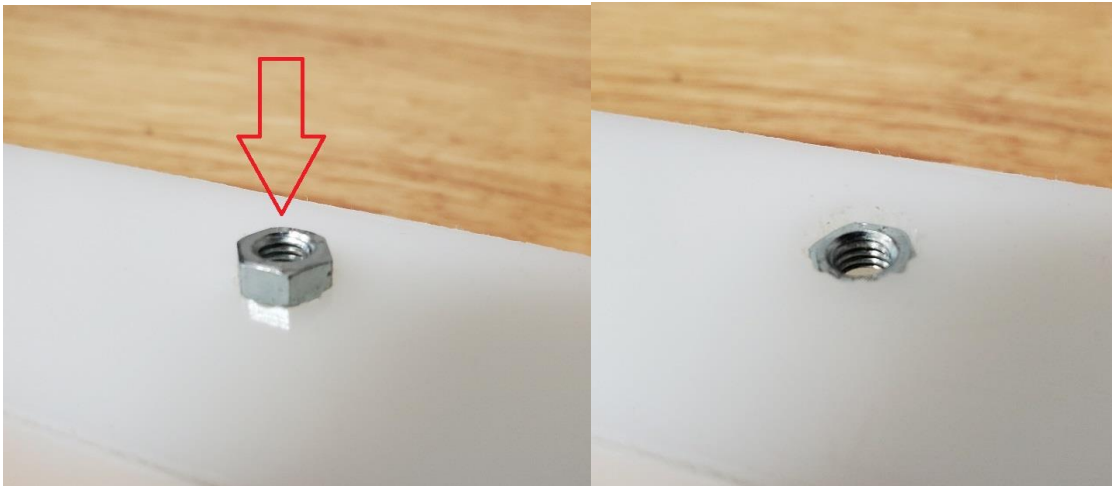


MaxxFan Deluxe (10 speed w/ Remote. Smoke)

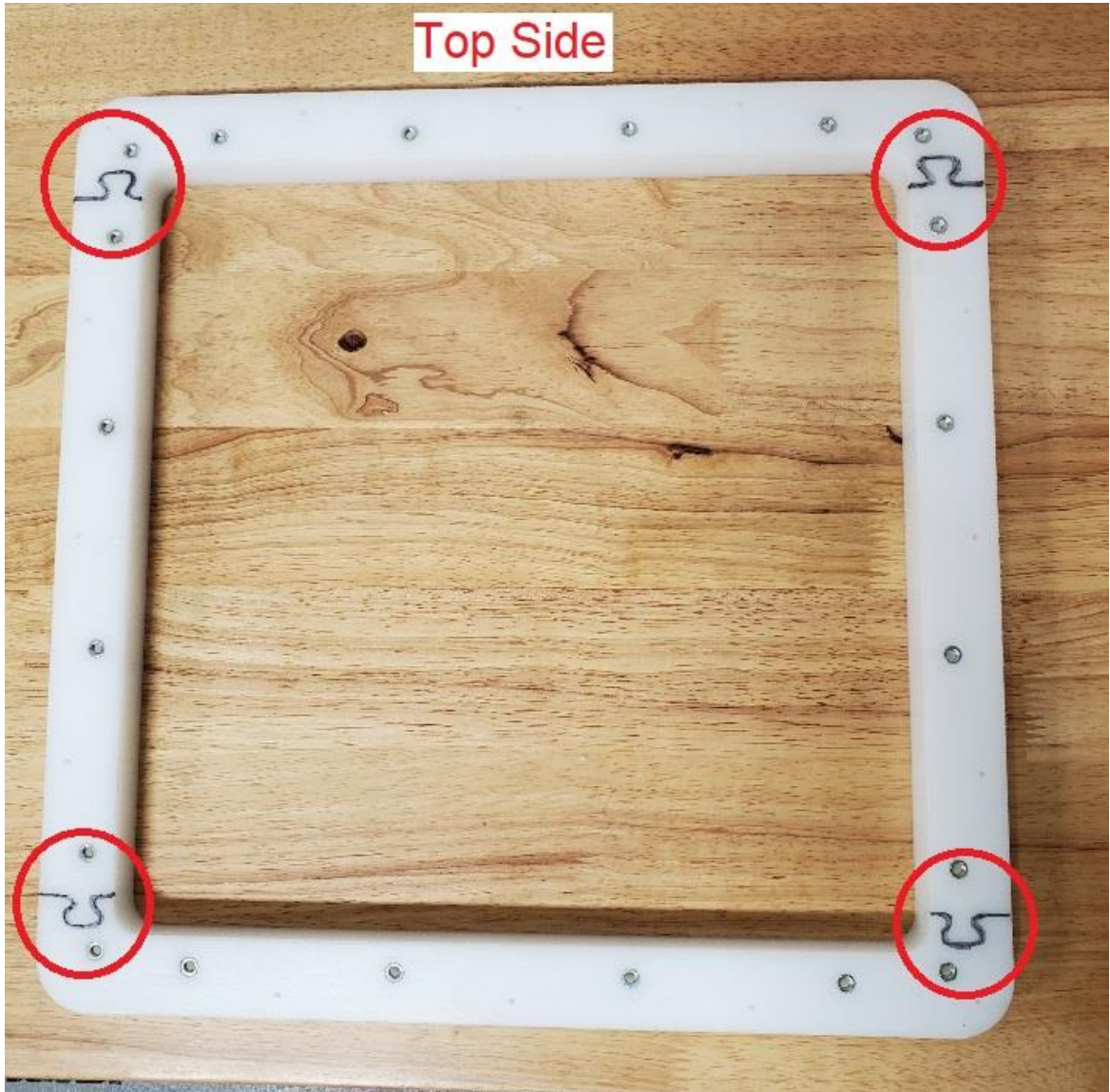
## Install Procedure:

*Note: This procedure assumes that you already have our Cut-out Plastic or Aluminum Fan Window installed on your van. If not, refer to the related product instructions in order to get the window properly installed.*

1. Install the included M5 Zinc nuts (20) into the outside face of the plastic adapter flange. It should take a moderate amount of pressure to press them in. No sealant is necessary.

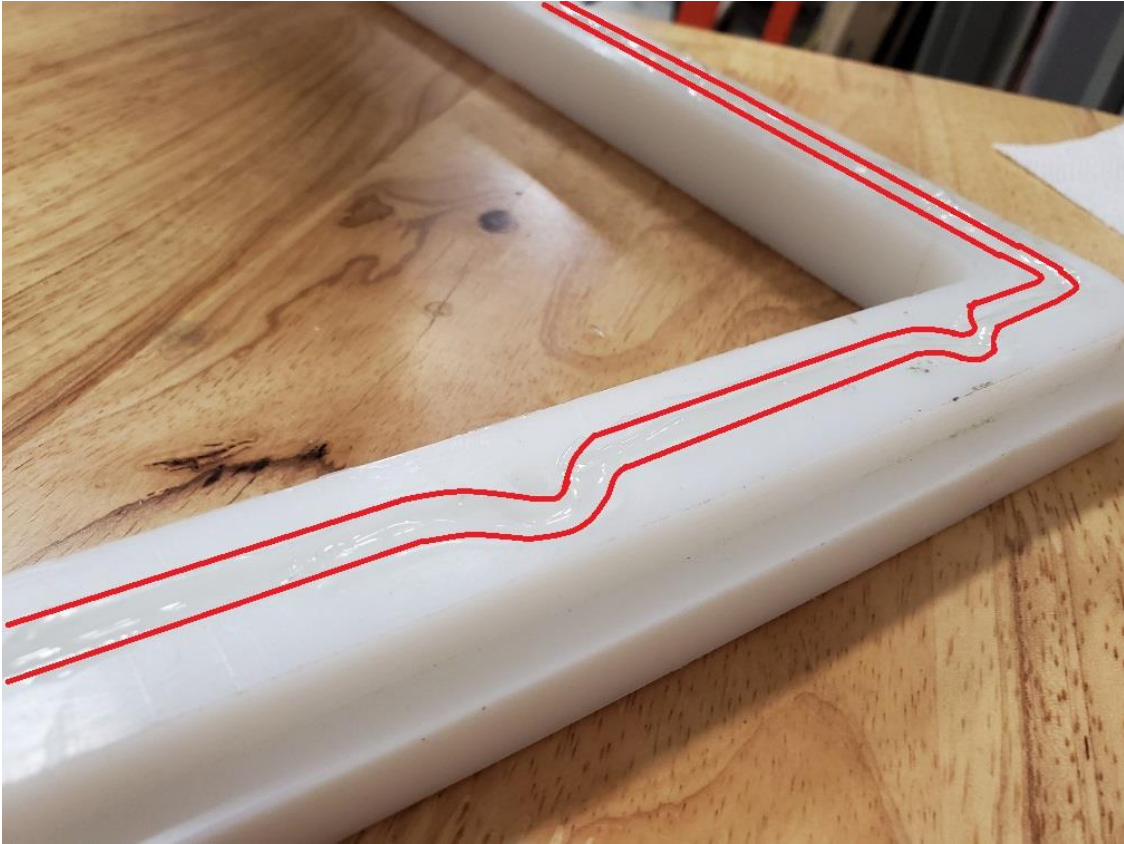


2. Take note of the keyed locations on the adapter flange. They are highlighted below in black. These should be located as shown below when installed on the van. The Flange is symmetrical otherwise.





3. Flip the Van Cafe adapter over and carefully lay a bead of silicone sealant in the groove. Make sure to use enough silicone so that it slightly over-fills the channel.



4. **Note: The next step will be easier with a buddy to help hold the flange from the outside of the van while you install the screws from the inside. Before placing the adapter on the window, make sure the 'keys' are oriented correctly (shown below).** Insert one M5x20 screw from the inside of the van into the top-middle hole of the window opening. Carefully align the flange with the screw and thread a few threads into the nut. Do not fully thread the screw into the flange. Repeat the process through the bottom-center hole and thread just a few threads. Using only two screws loosely will help prevent smearing the silicone. Once aligned with the two screws, install the remaining screws and, going round and round the assembly, tighten the flange against the window.



5. Once fully tightened down, carefully wipe any excess silicone off the inside of the flange.





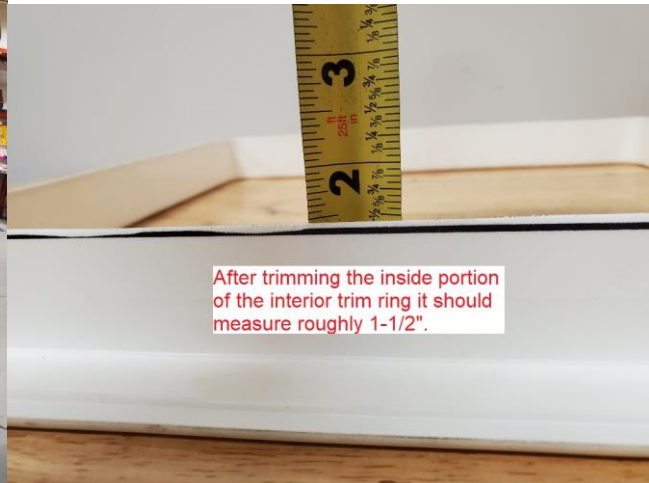
6. Your MaxxFan comes with a piece of plastic trim labeled Interior Garnish Trim Ring that looks like the one below. It is designed to be trimmed down to the thickness of the roof (or in our case, the window fan adapter) in which the fan is going to be installed. Please follow the MaxxFan instructions for best practices for trimming. **Hint:** We recommend letting the garnish trim ring warm up to room temperature to ensure the plastic is not brittle.



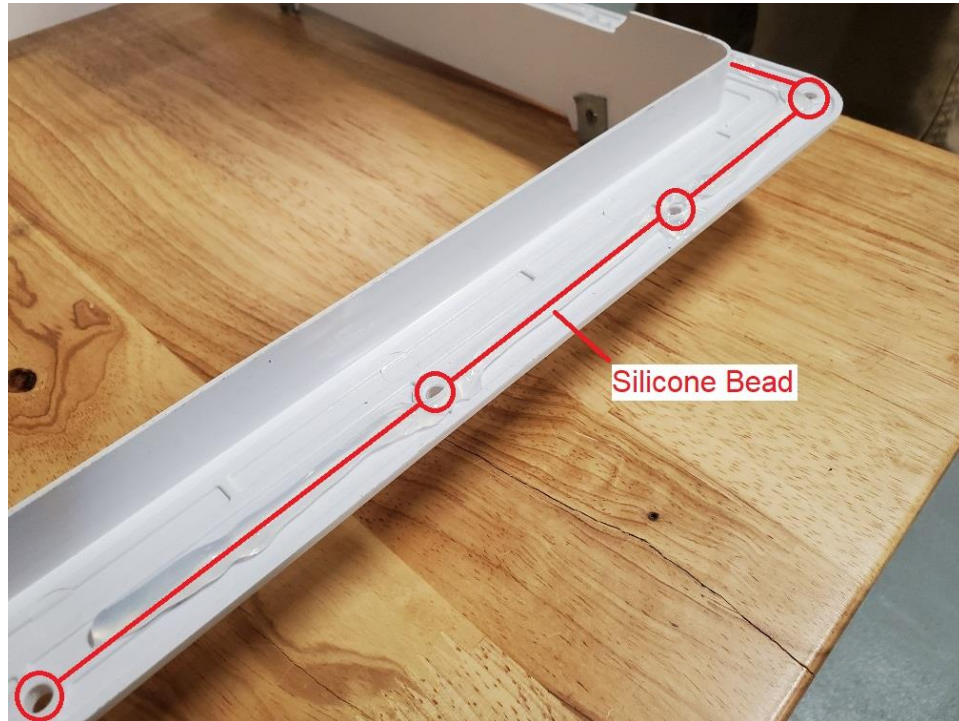
7. The first trimming cut you'll make in the garnish trim ring is to accommodate the window seal. You'll notice that two sides of the ring have two holes in them. We'll start by trimming these first. Mark the flange width at 1-1/4" and use a straight edge to continue the cut line. Carefully remove the excess material from both sides as shown below.



8. Once the sides of the trim plate are cut to fit, insert it through the Van Café fan flange from the inside (as shown below) with the sides of the flange you trimmed in the last step oriented to the top and bottom. Use the four mounting screws that come with the fan to temporarily attach the flange (or simply have a buddy hold it in place). Using a sharpie mark the interior garnish trim ring where it meets the outer edge of the Van Cafe fan adapter. Remove the garnish trim ring from the van and trim the excess material at your marks. Once cut the flange should measure roughly 1-1/2" overall. At this point in the process, keep the garnish trim ring uninstalled.



9. Next, grab the fan exterior mounting flange that came with the fan. Put a bead of silicone all the way around the flange making sure to go around each of the holes as shown below:

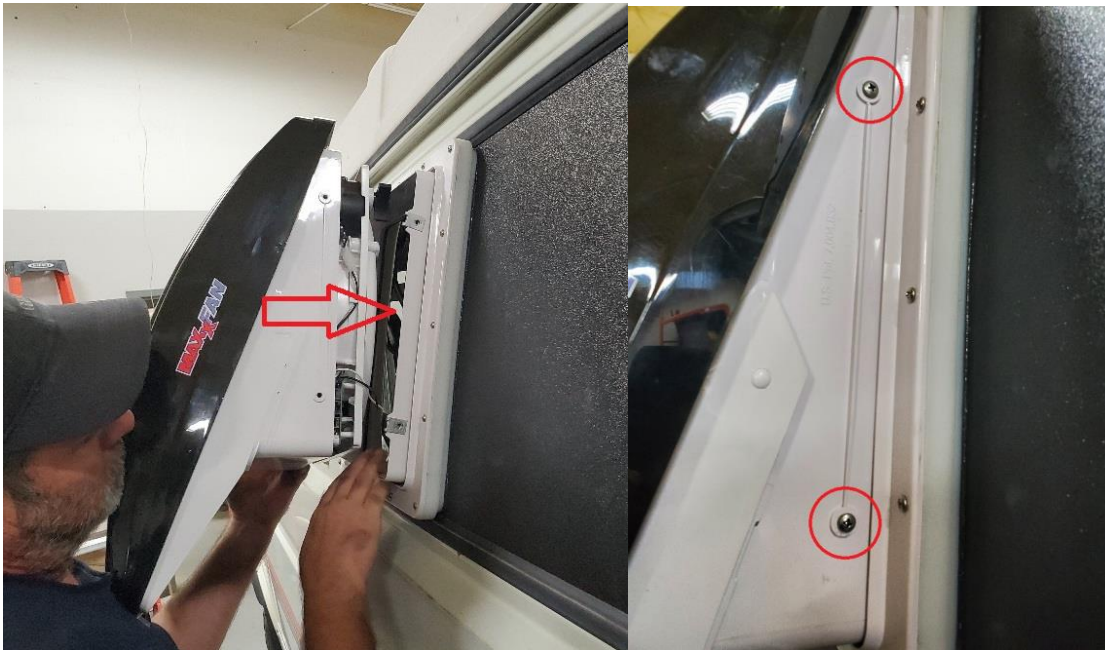




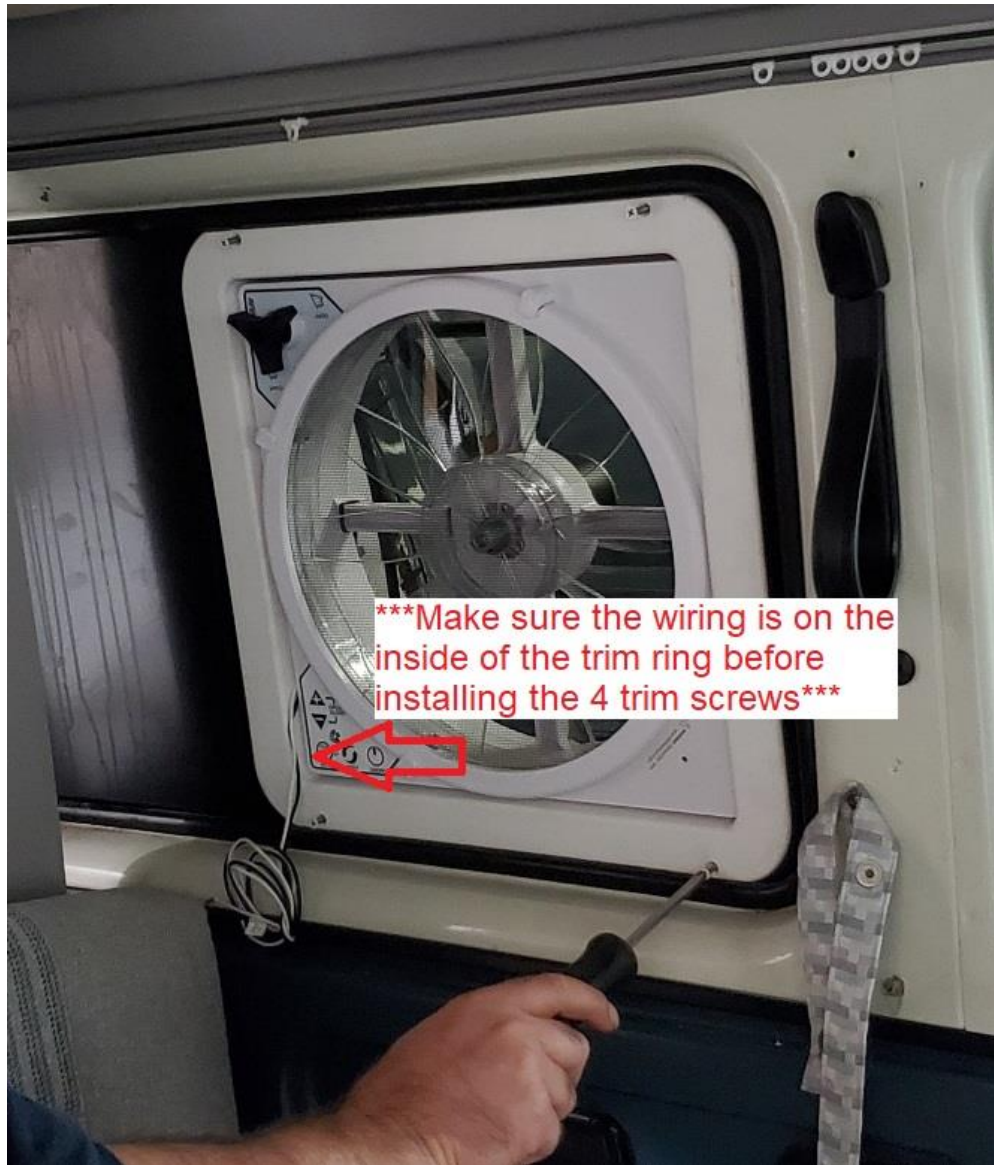
10. Mount the flange to the Van Cafe adapter using the 17 provided #8 Philips head tapping screws.
  - a. The four fan mounting tabs should be on either side as shown in the picture below. This will mount the fan vertically which will provide the best weather protection during use. It is possible to mount the flange horizontally if you wish, but it may allow water to intrude into the van with the fan open. Because of this, we recommend that you mount the fan in the vertical position.
  - b. Like mounting the adapter to the window, first install all the screws about ½ way before going around and fully tightening them down. (**Note: Tighten the screws by hand ONLY to ensure that you don't overtighten and crack the flange**)



11. With the fan mounting flange installed, you can now grab your fan and install it onto the van.
- a. First, you'll need to manually open the fan using the black knob on the inside face to be able to access the four mounting locations.
  - b. Next, you can insert the fan into the mounting flange and install the four screws that come with the fan. You may need to push lightly on the fan to get the holes to line up due to the fan meeting up to the flange gasket. **Hint: make sure the wiring isn't pinched between the fan and the flange.**



12. To finish up your installation, you can now install the inner garnish trim ring using the four Philips-head screws provided with the fan. Make sure the wiring is on the inside of the ring before tightening the screws as shown below. Tighten the screws by hand only to prevent overtightening.



**13.** The only thing that's left is to wire up the fan. Due to the number of different possible configurations, we have chosen not to include a detailed process in these instructions. Our recommendation is to simply wire power to a fused circuit from your van's auxiliary battery and ground to a convenient point on the van's body. If you don't have an auxiliary battery, you may wire to your main battery. However, we recommend you use an auxiliary battery with an isolator to prevent completely draining your primary starting battery. **Refer to your specific fan installation instructions to ensure nothing has been overlooked!!**

**From all of us at Van Cafe, we hope you enjoy your new ventilation!**