

RV Quick Fix Brackets and Spacers

Installation Instructions

Step 1. - Firstly, bring the van in a level position using a good quality Level on the A frame of the van.

Step 2. - Locate a suitable place to install the mastings on your Van/ Camper trailer. Note that this should be an area that will not restrict the attachment of awnings pieces or other mountable accessories.

- For **fibreglass or aluminium sandwich** (aluminium on wood on foam with an internal layer of wood) vans it can be positioned almost anywhere so long as it does not interfere with any awnings or other bolt on structures.

- For **Aluminium cladding** vans **best position** is on the front top corner where a gusset of wood is always present for structural strength and this is perfect for the top bracket to be screwed to. It is also an area where wiring is not likely to present any problem. The lower bracket should be above the bottom of the window - **Note:** The wiring is run along the length of the van **below** the window height so mount above this line. Check the inside of the van for where the electrical wires may run and be sure to stay away from this area. (Refer to the pictures at the end of these instructions.)

For the lower bracket you will want to drill the two lower bracket holes through the double layer of aluminium where two of the cladding pieces overlap. (This is at about every 7 inches depending on the cladding design.)

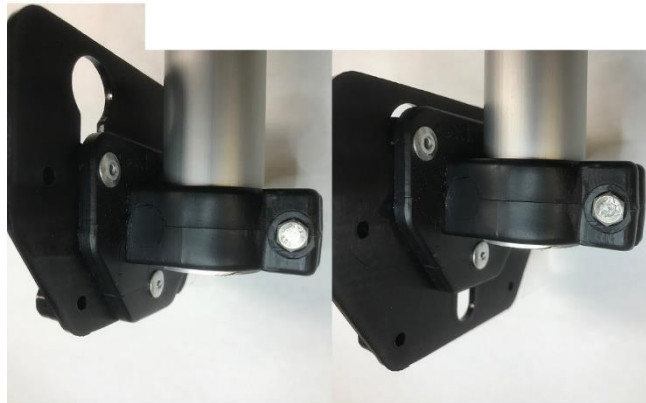
- For **camper trailers** a utility box is often attached at the drawbar end and this is ideal to attach to provided no canvas blocks the area when the van is assembled. In this case where no wooden framing is present, we recommend using the supplied special 5mm dia pop rivets, you will need to drill the brackets out to 5 mm for this

Once the position of installation is chosen.

Line up the Bracket where you want to install it. Check that it is vertical and see where the lower bracket would go – check that the spacing is within the limits set below. Adjust the position of the lower bracket to put it close to where you want it.

Fibreglass vans sometimes have a layer of wood behind the fibreglass outer layer some are just fibreglass to foam. Either way you can use the supplied special Pop rivets that split to provide a large surface area to grip over on the inside of the skin. Where there is wood use the screws.

The **Quick Release Brackets** cannot be spaced further apart than the **600 mm** and **no closer together than 250mm**. The greater the distance apart of course the greater the strength and stability so you should always try for the best distance apart that the location permits.



Side Mount
fully seated
in Bracket.

Side mount shown not fully
seated and bracket can slide
down further to be seated.



Step 3. - Once you are satisfied with the position you are going to mount the brackets, locate the top **Quick Release Bracket** *with the two holes on the upper position* and drill through into the wall using one of the mounting boss holes as a guide, with a 4mm drill. (If using the special pop rivets you will need to open the holes to 5 mm after the pilot 4 mm hole has been drilled. Then use a 5mm drill through the quick release bracket and the van. Refer to picture of rivets below).

Note: When Drilling, the Aim is to just penetrate the outer layer, so use light pressure on the drill until it just breaks through. If drilling into wood, then use a 3 mm or 1/8 inch drill to drill a pilot hole for the screws into the wood. Again, just deep enough to penetrate the wooden gusset. If drilling into a vertical wooden beam drill further to prevent the wood from splitting. The aim here is not penetrate into the wall further than necessary and therefore not run into anything else. It's easy, just take care.

Install one screw/rivet loosely. Put the level along the side and adjust the top bracket to have the mast vertical. Drill the second lower hole. Install a second screw/rivet loosely. Drill the remaining two holes in the top bracket. You can install the remaining screws/rivets to temporarily hold the bracket in place.

Note you will be removing them again to add an adhesive/sealant to protect against water ingress.



Step 4. - Now when you attach the lower bracket you must check that it falls within the correct spacing criteria and you will want them to be in alignment in a vertical plane. You can use a level for this placed against the side of the side mounts:

Make sure for Aluminium cladding vans that the two lower Quick release bracket holes line up with the double layer of cladding where the two claddings overlap. Adjust position as required to achieve this. Using a 4 mm dia drill a hole. Drill to just penetrate the aluminium. If you hit air beyond the aluminium then you will be using a rivet so you can go ahead and drill that hole with a 5mm drill in both the bracket and the van.

Place the bracket back on and locate with a rivet. Repeat for the 3 remaining holes. If you hit wood with the 4 mm hole stop and use a 3 mm pilot hole in the wood and secure with a screw.

Step 5. - You can now remove the upper and lower brackets and add the adhesive/Sealant – such as black silicon and reinstall using a standard hand Pop rivet gun or screwdriver for the screws – do not over tighten the screws and strip the thread in the wood.

Note: I find it easiest to install the rivets or screws and put a bead of silicon around the boss against the screw or rivet. This will be a neat job and not require cleaning up as it uses the minimum amount of silicon.

Carefully clean up any excessive adhesive.