

### Tools Required

- Sturdy Steps or Trestle
- Metric Tape Measure
- Battery Drill/Driver with Phillips 2 & PZ 2
- Masking Tape
- Pencil or Sharpie
- PZ2 Hand Screwdriver
- Skeleton/Caulking Gun
- Tube of Black Sikaflex 221 (if not supplied)
- An Assistant



### Step One



Using the area shown in the above photo measure 150mm from the sealant joint **FORWARD** towards the windscreen and mark using a pencil or sharpie, this is the designated start point for the **MAIN** rail

### Step Two

With the help of an assistant, hold the rail on the designated start point at the front of the van and sit the top of the rail slightly below the **FIRST** horizontal crease line above the side loading door

### Reference Pictures



NB: Some pictures used are of other marques of vehicle, these are for illustrative purposes only as the fixing methods remain the same, however the start point given in Step One is specific to the vehicles listed at the top of the instructions. It is solely the installers responsibility to double check all dimensions and the fit before drilling/screwing into the vehicles bodywork, measurements are given as a guide only.

### Step Three

Using the self drilling pilot screws supplied (silver) (Pic 1) as in the photo start from the middle of the main rail and work rearwards towards the back of the van securing the rail and curving it if necessary to the contours of the van - **PLEASE TAKE CARE NOT TO OVER TIGHTEN THESE PILOT SCREWS!!**



(the Combi-Rail is made from a malleable alloy and can be manipulated in all directions). When the rear half is secured do the same from the middle of the rail towards the front of the van **EXCEPT** the last 2 screws, as in this photo bend to the front profile using the palm of your right hand and pulling down with the fingers of your left hand to match the profile of the vehicle

### Step Four

Remove all the temporary self drilling pilot screws, and put the rail (and any extension pieces) carefully to one side. With the supplied IPO wipe, clean the entire area thoroughly where the complete Vamoose Combi-Rail will sit, and also the back surface of the Combi-Rail itself. (Retain moist wipe for clean up afterwards) **DANGER ! WHEN CLEANING BEWARE OF ANY SHARP BURRS LEFT FROM THE DRILLING PROCESS**



## Step Five

Apply a bead of adhesive sealant (either supplied with DIY kit or use Sikaflex 221 if trade user) the bead should be no more than 8mm or approx pencil width, and run down the centre of the back of the Vamoose Combi-Rail, this correct amount will minimise any clean up after installation.



## Step Six

Apply a tiny amount of the sealant over each pre-drilled hole in the van. With the help of an assistant, hold the rail in position being very careful not to smudge the sealant bead. Fix the rail into the pre-drilled holes with your PZ2 hand screwdriver using the supplied chemically blacked stainless steel screws. Start from the middle, work towards the front, and then from the middle towards the rear wipe off any excess before it cures) TAKE CARE NOT TO OVERTIGHTEN THE SCREWS the sealant is the main fixing once cured.



## Step Seven

Take the rear end stop, apply a marble sized blob of sealant to the back and push into place. NB: Due to the body contours at the rear differing on some variants of vehicle, This may require a little extra sealant to fill out the gap at the rear and give a neater appearance. GOOD TIP: For extra security you can also screw the end cap in place using the extra screws supplied in the pack . If you do decide to screw these in place BEFORE APPLYING THE SEALANT pre drill and countersink a 4mm hole in the back tab of the rear finial at the same height as the ones in the main rail , Add the sealant as above and screw into place using the self drilling silver screw then removing this and replacing it with a black screw, clean off any excess sealant while still wet .

## Step Eight



After deciding on the preferred curve to suit your vehicle , Peel off the red backing from the front finial and carefully fix in place using the locating peg , YOU ONLY GET ONE CHANCE AT THIS SO FIT CAREFULLY Push firmly into position or you can tap the front finial with a rubber hammer . When the end stops are finally positioned, YOU MUST SEAL AROUND BOTH THE FRONT AND REAR END STOPS using the sealant supplied with the new uncut nozzle supplied in the kit (or Sikaflex 221 or similar if using a trade kit) mask around both end cap/finials and fill any remaining gaps with sealant. Ensure that you clean off any excess sealant before it begins to cure using the retained wipe. You can also use white spirits or panel wipe to clean off excess if you have accidentally smudged or over applied sealant. Please allow 24 hours to cure fully before attaching any awning or roof rack etc. Dispose of any unused products responsibly.

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