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## F45VW-T3

### Awning Bracket for Vanagon – Fits Fiamma, ARB, and RS04S

**NOTE:** For any installation, use the included anti-seize on all stainless fasteners to prevent galling.

## FIAMMA INSTALLATION

**Fitting the Brackets to the Body** – Fit the brackets to the body on the rain gutter as shown in the illustration, with the plastic sheet between the body and the upper and inner brackets. Secure the brackets with the 5/16" carriage bolt (use included anti-seize lube on all the stainless steel hardware), ignoring the M6 hole on the bottom bracket for now. The forward bracket fits between the slider door and the passenger door. The rear bracket fits just aft of the rear side window. If using a third bracket, be sure to position it so that the slider door will open past it.

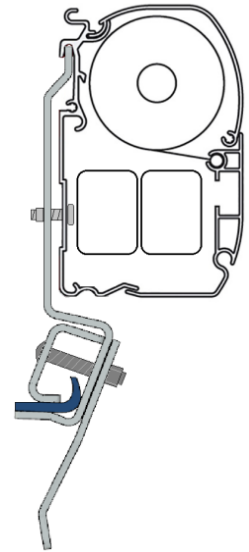
**Fasten the Bottom Bracket to the Body** – See the following page.

**Mounting the Awning to the Brackets** – Install the awning, hooking its lip over the top edge of the brackets. Adjust the fore and aft position of the awning. Be sure to locate it so that it does not interfere with the rear hatch opening (10-foot only). Consider the placement of the *leg* mounting brackets (see note below).

**Drill Mounting Holes** – Open the awning to expose the back of the awning body. Note that the awning is only attached to the bracket by gravity at this point; be careful not to bump it off the lip of the bracket. Using a block of wood behind the bracket to protect the body of the van, drill a hole through the back of the awning and bracket with a 7/32" drill bit, as shown in the picture. If you wish to avoid drilling through the stainless steel brackets, you can drill the back of your awning in a location that meets one of the small holes on the awning bracket. Use the 5mm machine screws and nylock nuts to fasten the awning to the bracket through the holes you just drilled.

**Note:** Fiamma supplies two brackets designed to accept the feet of the awning legs. These can be installed on the side of the van to support the legs with the included stainless sheet metal screws (the plastic inserts are not needed, but some silicone sealant is recommended). These are optional and require drilling additional holes in the body of your van. You may want to use the awning for a bit to decide if this is a feature you really want before getting out the drill. If you choose to use them, there are some details you should watch out for.

- 1) Install the rear bracket far enough back that it does not interfere with the slider door.
- 2) The fore/aft position of the awning may need to be adjusted to avoid front leg interference when opening the front door.





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## ARB INSTALLATION

**Fitting the Brackets to the Awning** – Measure the approximate location of the brackets on the awning (center-to-center distance is 88.25"). The forward bracket fits between the slider door and the passenger door. The rear bracket fits just aft of the rear side window. If using a third bracket, be sure to position it so that the slider door will open past it. Slip the M6 nylock nuts into the channels of the awning, position the brackets on the awning, and lightly secure the brackets with the M6x14mm bolts. You may need to use the 6mm flat washers under the bolt heads to prevent them from bottoming out in the track.

**Position the Brackets on the Awning** – Fit the bracket/awning assembly to the body on the rain gutter– help from a friend is pretty much a requirement. If necessary, adjust the positioning of the brackets on the awning fore/aft until they line up with the desired positions along the gutter. Tighten the bolts securing the brackets to the awning. Continue by Fastening the Bottom Bracket to the Body.

### Fastening the Bottom Bracket to the Body

*Due to the mass of these awnings, in many instances there is enough flex in the bracket mounting point on the rain gutter to cause the lower edge to wobble or chatter. This usually manifests itself during off-road or bumpy surface driving. The solution is to bolt the bottom of the awning bracket to the body of the van. We supply a rivet nut that must be installed into the body of the van and a 6mm hex bolt to fasten the bottom bracket down.*

With the brackets positioned on the body in their final location, use a center punch to mark the center of the 1/4" hole at the bottom edge of the brackets. Remove the brackets from the body and drill a 25/64" (10mm) hole in the body. *NOTE: Proceed with caution, as the power door lock wiring runs down through the pillar at the front location.* Install the supplied rivet nuts in the holes using the GVW-RIVNUT-TOOL or other rivnut tool. A bit of silicone sealant will weatherproof the connection.



With the rivnut in place, reattach the awning and brackets to the gutter. Bolt down the bottom bracket with the M6x20mm screw, using the included rubber washer to protect the van's paint. Tighten the 5/16" nut to secure the bracket around the gutter. While tightening the bracket, try to keep the inner bracket over the thicker portion of the pinch weld inside the gutter.

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## ROADSHOWER INSTALLATION

The Road Shower 4S has a side channel that allows them to mount in the same manner as an ARB awning. Though these mounting brackets will fit a 7 gallon Road Shower 4, *we do not recommend mounting these larger showers on the gutter.*

Mount your Road Shower using the same steps as an ARB installation, described above.

**Note:** *The carriage bolts included with the Road Shower are too long for this application, and will likely interfere with an opening poptop. Carriage bolts with a 5/16"-18 thread size and a 3/4" length are needed to mount an RS4, and can be purchased at a hardware store.*