



Grasshopper Straight Centre Rafter

Manufactured in Australia by Sunbuster Shades.

For assistance please call 0429 846 628

Contents: 1 x Grasshopper Straight rafter (2 pieces + 1 inner piece)

1 x Fittings kit (1 x stainless bracket, 2 x pop rivets, 2 x screws, 1 x M6 metal screws with washer, 1 x black knob with backing plate, 1 x plastic "cup", 1 x M5 Metal screw with washer, 1 x backing plate).

1 x Instructions sheet

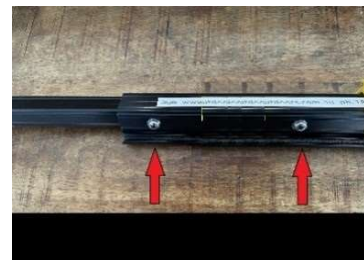
If using pop rivets we recommend a Long Series 5mm drill bit for easier installation (not supplied)

If using screws we recommend using a long screw tip (not supplied)

Read the instructions carefully before starting. There are TWO options for attaching the brackets depending on your van model and the awning mounting method.

Assembly of the bar

Remove the M6 screw from the outer bar, slide the inner bar out and rotate 180 degrees then slide back into the outer bar and line up the two holes. Re-insert the M6 screws you removed earlier and insert a second M6 screw from the fittings kit.



Place a backing plate on your finger and place upwards through the hole in the other outer bar and screw the black knob in until it just touches your finger.



Slide the two sections together to make one long bar.

There are TWO options for fitting the bracket (saddle) inside the awning case. For vans with 3-4 brackets holding the awning on we recommend pop rivets. For vans with a single full length extrusion on the awning we recommend using the screws.

Fitting the bracket (saddle) to the awning

- USING THE RIVETS

Measure the centre of the awning vinyl from one end to the other. When fitted the anti flap bar should be just below the awning vinyl, the centre of the saddle is 18mm below the vinyl and centred on the vinyl. due to natural sagging of the roller internally the height should allow the two holes to be drilled just below the edge of the ridge which runs across the inside of the awning case. Once marked, put the bracket onto the end of the centre rafter bar and test fit to ensure the vinyl will not be pinched or damaged between the bar and the top of the awning case.



Place a piece of paper with masking tape inside the case below the holes before drilling to reduce debris being trapped inside the awning case which may damage the awning or blow into your eyes next time you set up. Drill the holes using a 5mm drill bit. Ensure the drill chuck does not damage your awning vinyl when drilling, place a piece of cardboard between the drill and vinyl if necessary. Pop Rivet into place.



Fitting the bracket (saddle) to the awning

- USING THE SCREWS

Measure the centre of the awning vinyl from one end to the other. When fitted the anti flap bar should be just below the awning vinyl, the centre of the saddle is 18mm below the vinyl and centred on the vinyl. due to natural sagging of the roller internally the height should allow the two holes to be drilled just below the edge of the ridge which runs across the inside of the awning case. Once marked, put the bracket onto the end of the anti flap bar and test fit to ensure the vinyl will not be pinched or damaged between the bar and the top of the awning case.





Place a piece of paper with masking tape inside the case below the holes before using the self drilling screws to reduce debris being trapped inside the awning case which may damage the awning or blow into your eyes next time you set up. Drill the self drilling screws in using a long screw bit. Ensure the drill chuck does not damage your awning vinyl when drilling, place a piece of cardboard between the drill and vinyl if necessary.



Fitting the Cup to the outrigger

Measure the centre of the awning again and pre-assemble the cup with the screw and backing plate. Place the Cup in position by dropping the plate into the awning channel and as you tighten the screw the backing plate will turn and lock into position.



To place the centre rafter bar into the bracket, start low and line up the wobbly spigot with the slot in the saddle. Gently lift the bar wiggling with your wrist to prevent the fittings from binding as you go. Once the bar is up to the vinyl loosen the black knob and extend the bar so the spigot end sits into the plastic cup. Grip the inner bar with your hand and press your thumb against the outer section to wedge the anti flap bar firmly into place and tighten the black knob.

