



Fitting Instructions For SCA 152 Vito Vclass roof

Banwy SCA
UK Trade Distribution
Foel
Welshpool
SY21 0NS
01938 820155
07483 172027
sca@banwy.co.uk
www.scaroof.com

These installation instructions are provided for the whole sleeping roof structure.

Only the assembly of the complete kit is of CF Maier BE checked and released.

When assembling all laws and regulations must be observed.

Note for the acceptance by the TUV:

Through the roof structure, the vehicle is changed structurally, resulting in Extinguished operation of the equipment.

After completion of the construction work an expert opinion from an official vehicle department may be required for classification as a camper van and a new operating license according to § 19.3 STVZO should be applied for.

instructions provided in good faith - translated from German with some hints and tips built in. how you fit will depend on the facilities and the tools available to you.

1. Vehicle Preparation

Cover the floor area of the vehicle with the cardboard from the SCA roof box and use the bubble wrap.



Remove the two-part roof lining, sun visors, the handles. Remove the sound deadening pads from the roof with a heat gun and spatula as required.



Move the rear electrical cables carefully so as not to damage when cutting.



Before you start cover the bodywork using the bubble wrap and sheets in the box. This ensure no metal dust goes on the paint work **ALWAYS MAKE SURE THE VAN IS BONE DRY!!**

Metal dust will find its way into every area otherwise particularly the side window and rear brake light areas. It is almost impossible to remove and can destroy paint once wet.

Cover the interior of the van including the dash to prevent metal swarf entering areas.

Secure the roof plate to ensure that it does not fall after it has been cut. **WARNING: MAKE SURE ELECTRICAL CABLES ARE SECURE AND WILL NOT BE DAMAGED WHEN CUTTING.**



Secure the roof skin to prevent it falling into the vehicle interior, peices of 2 x 1 timber placed underneath across the van or props from inside.

2. Cutting The Roof

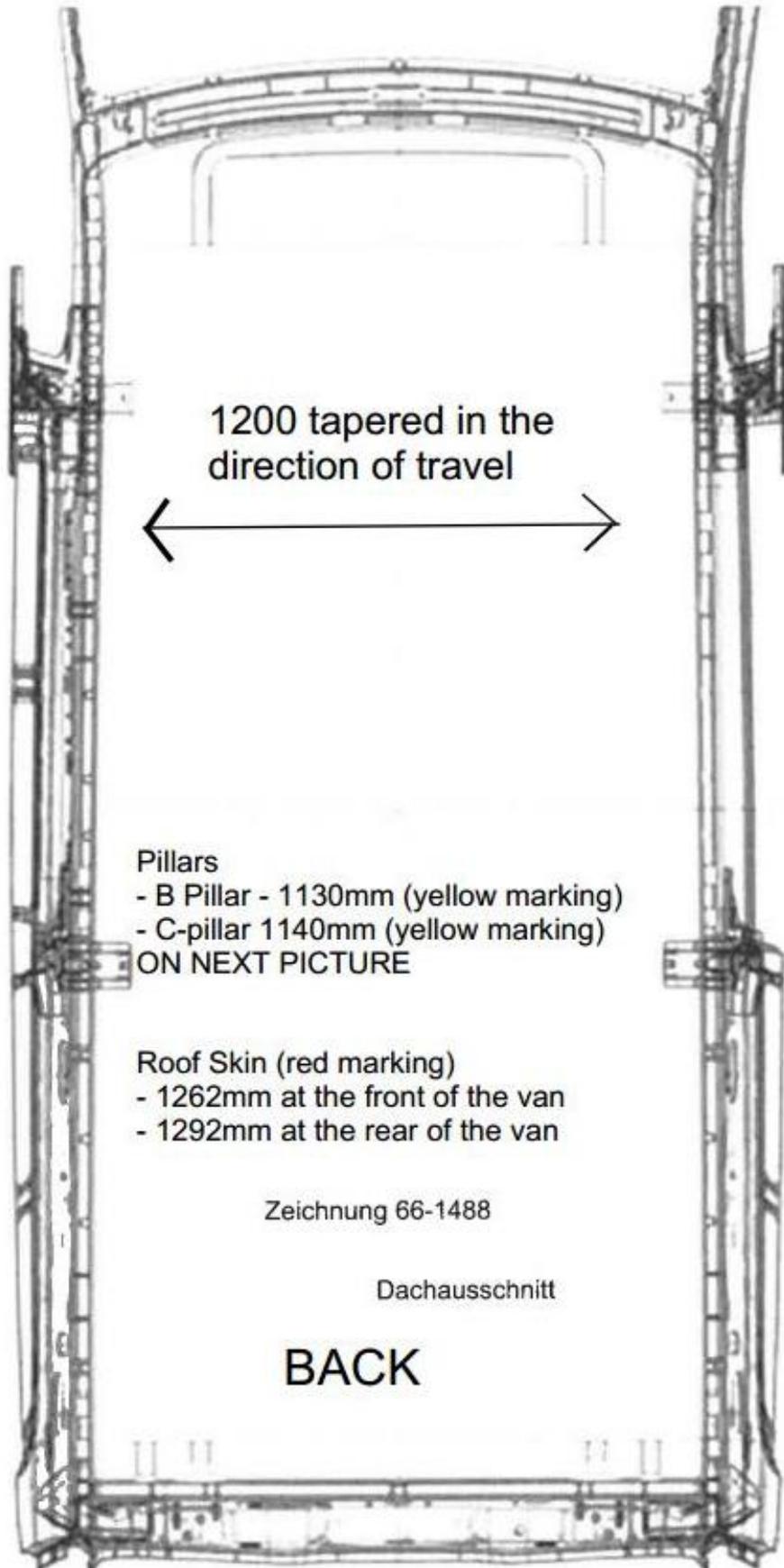
Mark the roof as per the cutting drawing 66-1488 using masking tape.



Measure twice!!

FRONT

1262



1200 tapered in the direction of travel



1200 konisch zulaufend in Fahrtrichtung

2538

Pillars
- B Pillar - 1130mm (yellow marking)
- C-pillar 1140mm (yellow marking)
ON NEXT PICTURE

Roof Skin (red marking)
- 1262mm at the front of the van
- 1292mm at the rear of the van

Zeichnung 66-1488

Dachausschnitt

BACK

1292

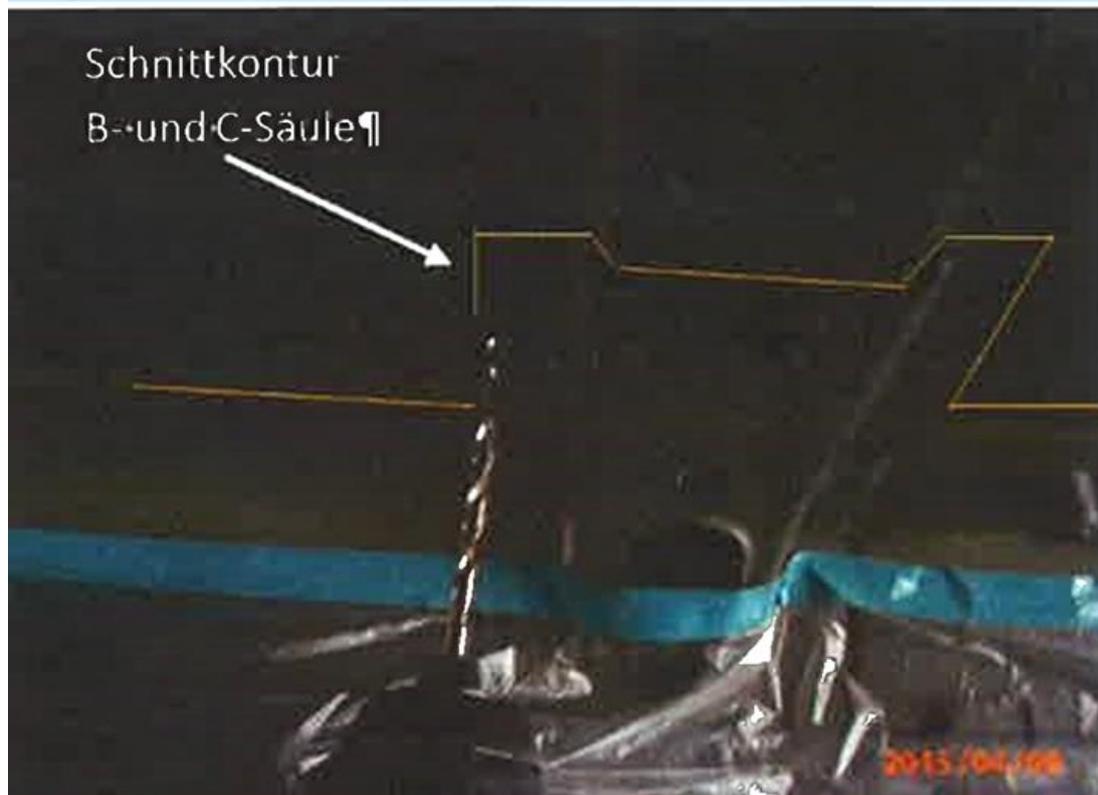
213

Drill the points
with a 12mm drill
bit.



Drill left and right through to the B- and C-pillars using a drill (5 mm) from the bottom upwards.

The B- and C-pillars are not with the roof-skin cut (see figure). Prevent the Pillars from falling and cut them with a body saw.



Then you saw the roof off with the help of a Body saw - starting from one of the corner holes then out.

Secure the roof against falling!

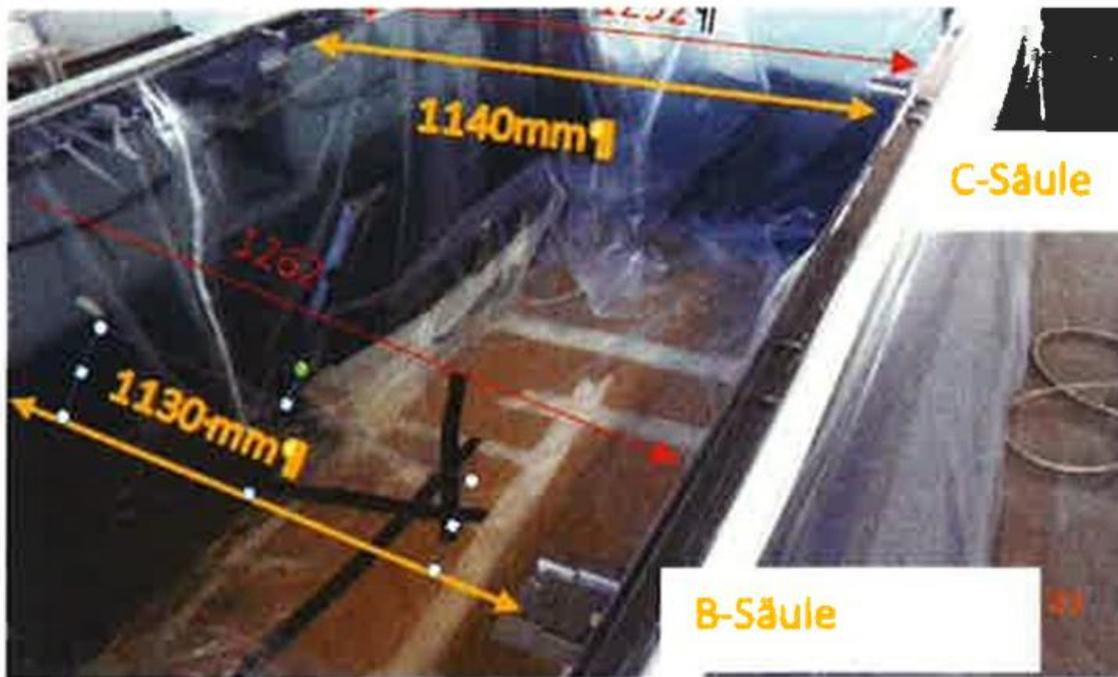
After you have cut the roof you will have the following dimensions (see figure):

Pillars

- B Pillar - 1130mm (yellow marking)
- C-pillar 1140mm (yellow marking)

Roof Skin (red marking)

- 1262mm at the front of the van
- 1292mm at the rear of the van



View of the B- and C-pillar according to the cut of the roof.



Deburr all cutting edges and clean them with 205 Actvator and then prime with 206GP for rust protection.

3. Install reinforcing frame

Mark the cross bar on the reinforcing frame and on the front of the body at the centre.
(width ways)

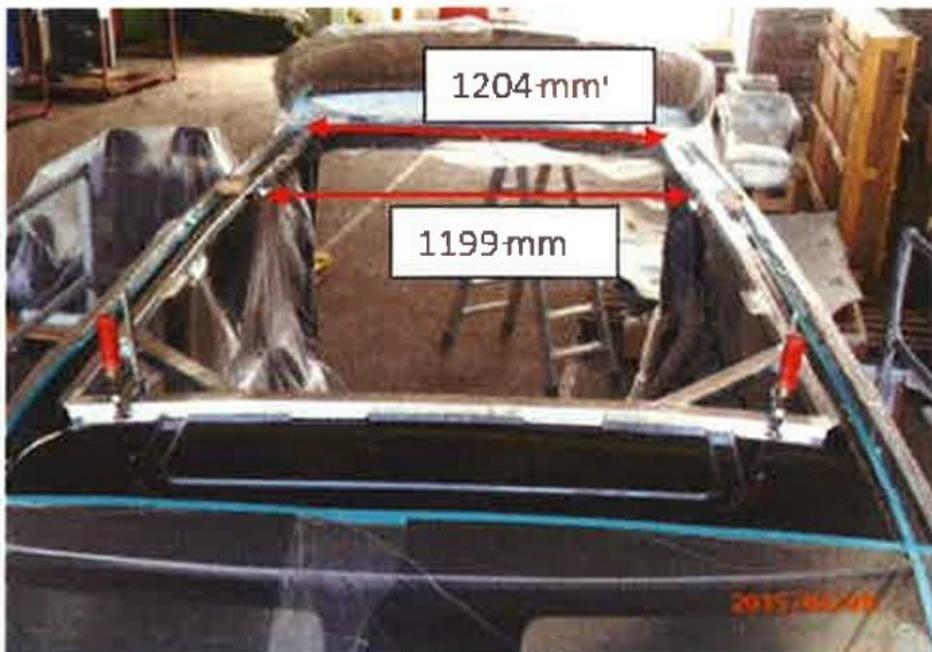
Place the reinforcement frame on from top to set it up from the middle and fix it with screw clamps on the body.

Caution: The front lugs must rest on the roof panel - not below!



The inner dimension of the reinforcement frame is:
C Pillar 1199 mm, and at rear 1204mm.

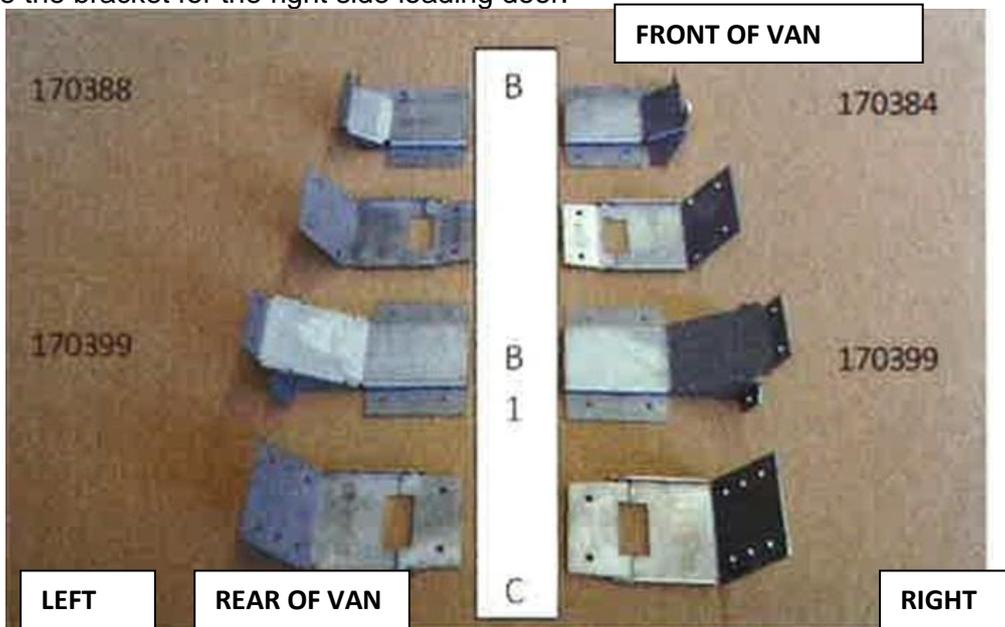
To achieve these dimensions, you get two strips with the dimensions listed above into the reinforcing frame. Please ensure the frame is central.



Insert the cut-out levels from the bottom plate angle. Riveted to the body using the rivets 5x18, 0 mm.
The position of the studs is determined by the holes in the sheet metal angles.



Plates For Vehicle with Right Hand Sliding Door:
Remove the bracket for the right side loading door.



If side loading door to left remove the appropriate bracket, and if twin side loading doors remove both sides

At the rear, the reinforcement frame must protrude 22 mm into the vehicle.
If the frame is fixed in the depth, mount the last two metal brackets (22 mm deep from the roof panel from measured) in this position.

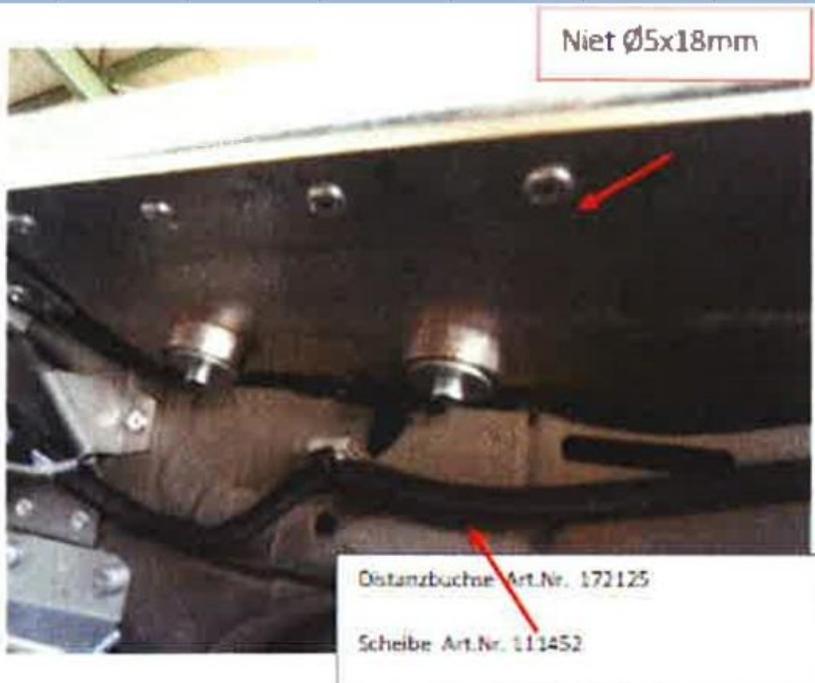


Secure all gussets and the Reinforcing frame additionally connect with the aid of connection plates to the body as follows.

The picture shows the connection to the B-pillar / right.

The connection plates attach to studs on the strengthening frame and should be glued to the body with Sika 221 and additionally screwed.

At the screwing points remove the existing screws that are on the body! The table shows the positioning of the plates. See original german instructions for plate table.



Position the connection plates and transfer the hole pattern (\varnothing : 5 mm hole).
Draw the positions of the sheets on the main body.



Clean the connection plates, sand lightly, clean again and Sika Activator 205, and primer 206 G + P applied thinly to the surface to be glued. **Primer flash off time is 15 minutes!!**

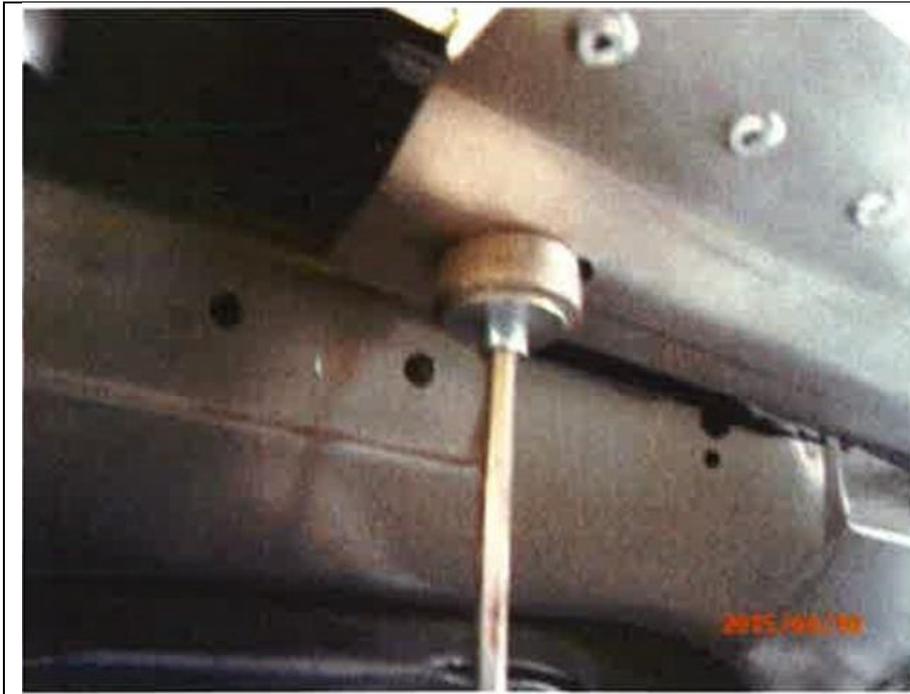


Clean the body at the marked points, use Sika 205 and Sika primer 206 G + P thinly, flash off time 15mins!!

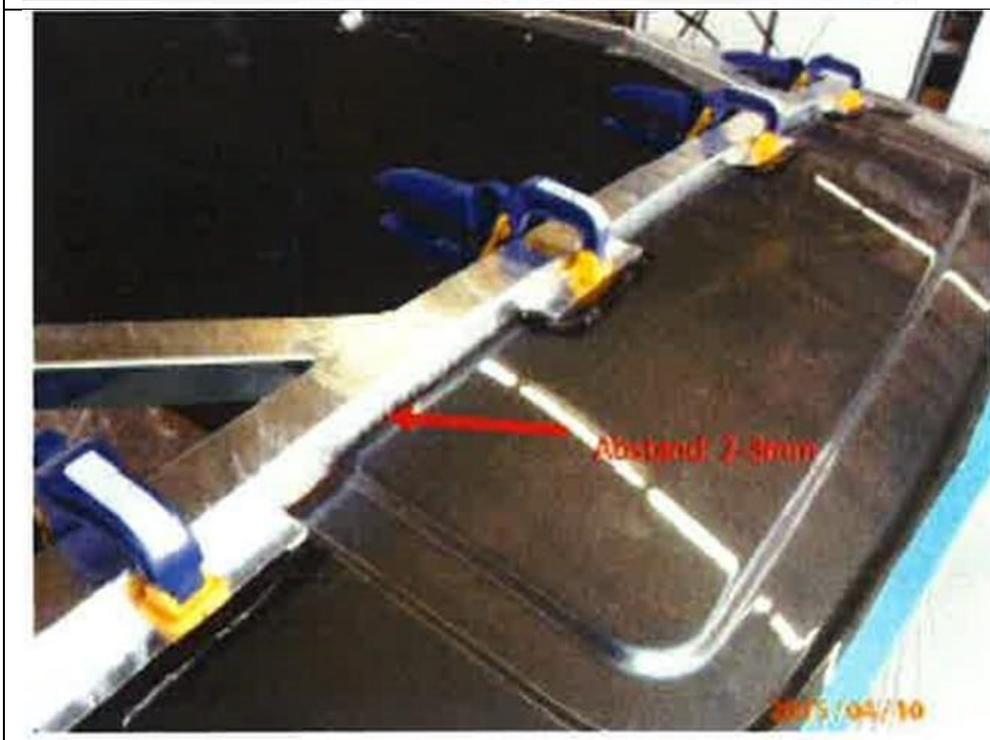
Apply the plates with SIKA 221.



Position the connection plates and rivet them to the reinforcing frame (see Image).



After bonding the connection plates with one or two holes, also screw it to the bodywork (see picture).



Glue the tabs in the front area in the same way as the connection plates on the bodywork. Press the roof panel down to create a good bond. Then attach clamps. There should be 2 - 3mm between the bodywork and the reinforcer frame.

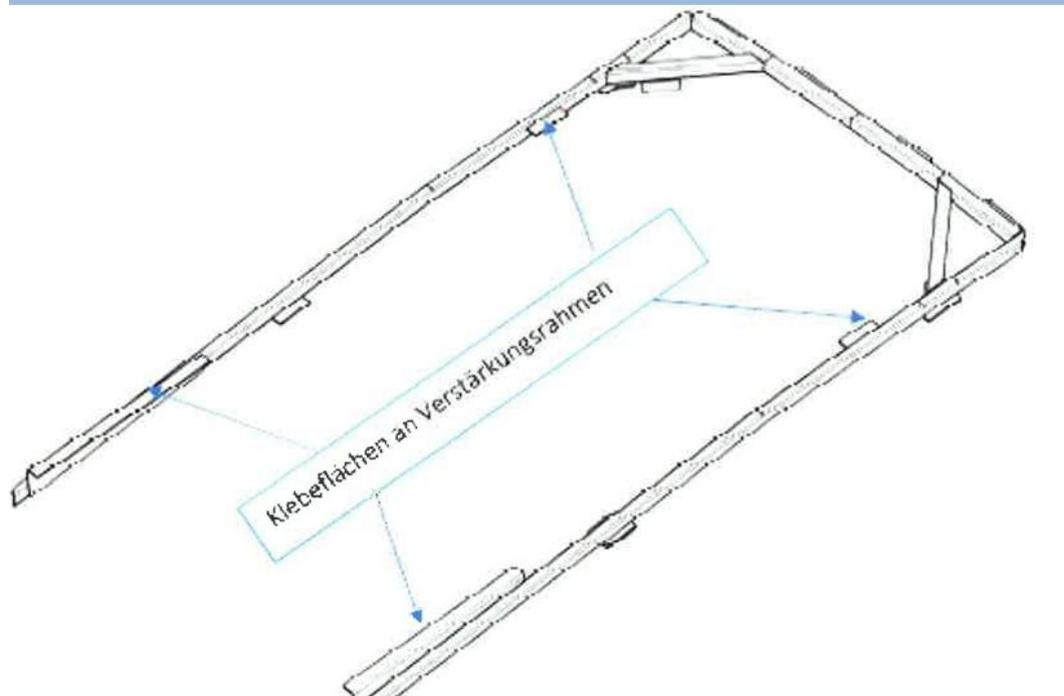
5. Mounting The Roof

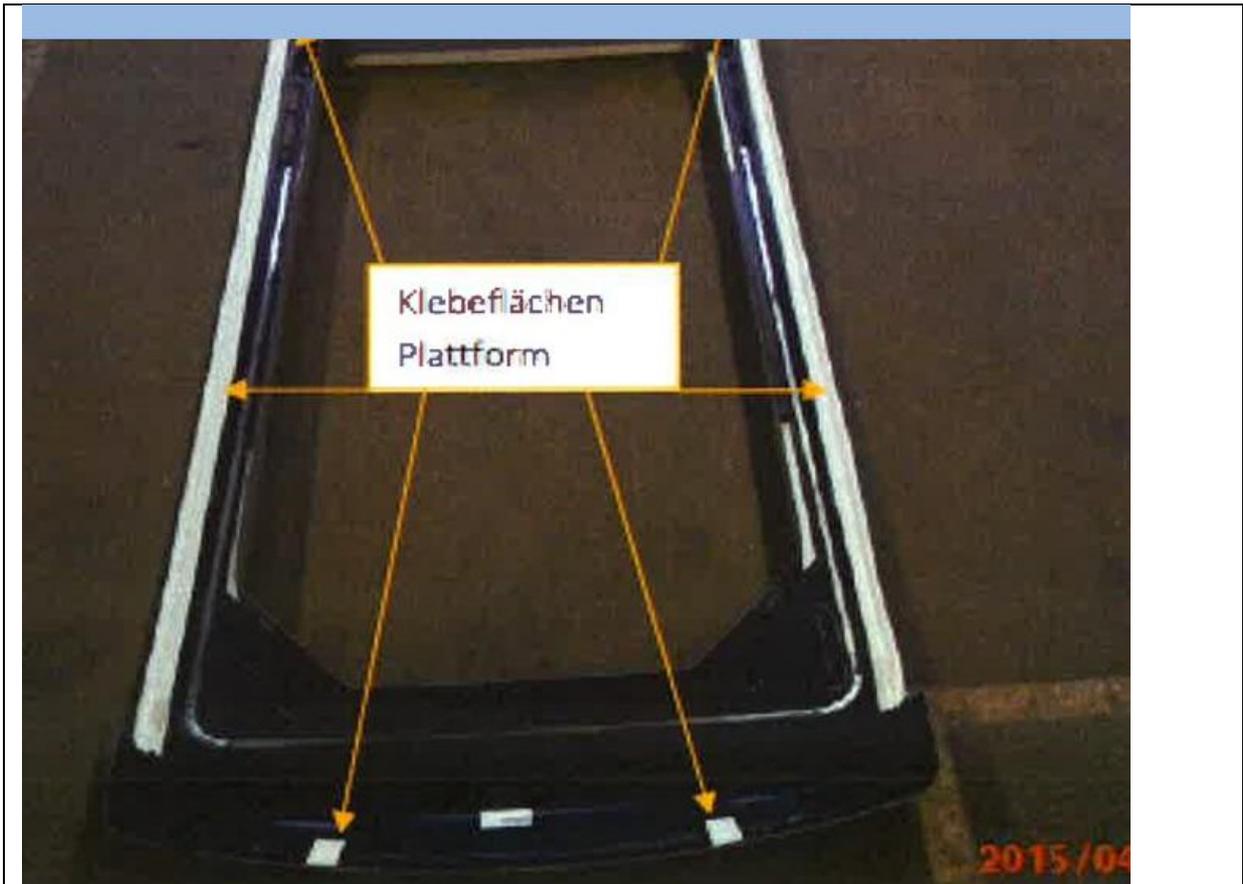
This part will depend on whether you have the roof in the original state as supplied in the box, or if you have stripped to two pieces as per our guide "preparing your roof for paint". Put the assembled sleeping roof on the vehicle roof. Align the spoiler of the platform to the contours of the windscreen and the side gutter. Please ensure that there is sufficient distance from the wind screen (see figure).



Cover the vehicle. Along the platform-cut edge all around with adhesive tape, so that the application of the primer or the leakage of excess glue does not go on vehicle or roof.

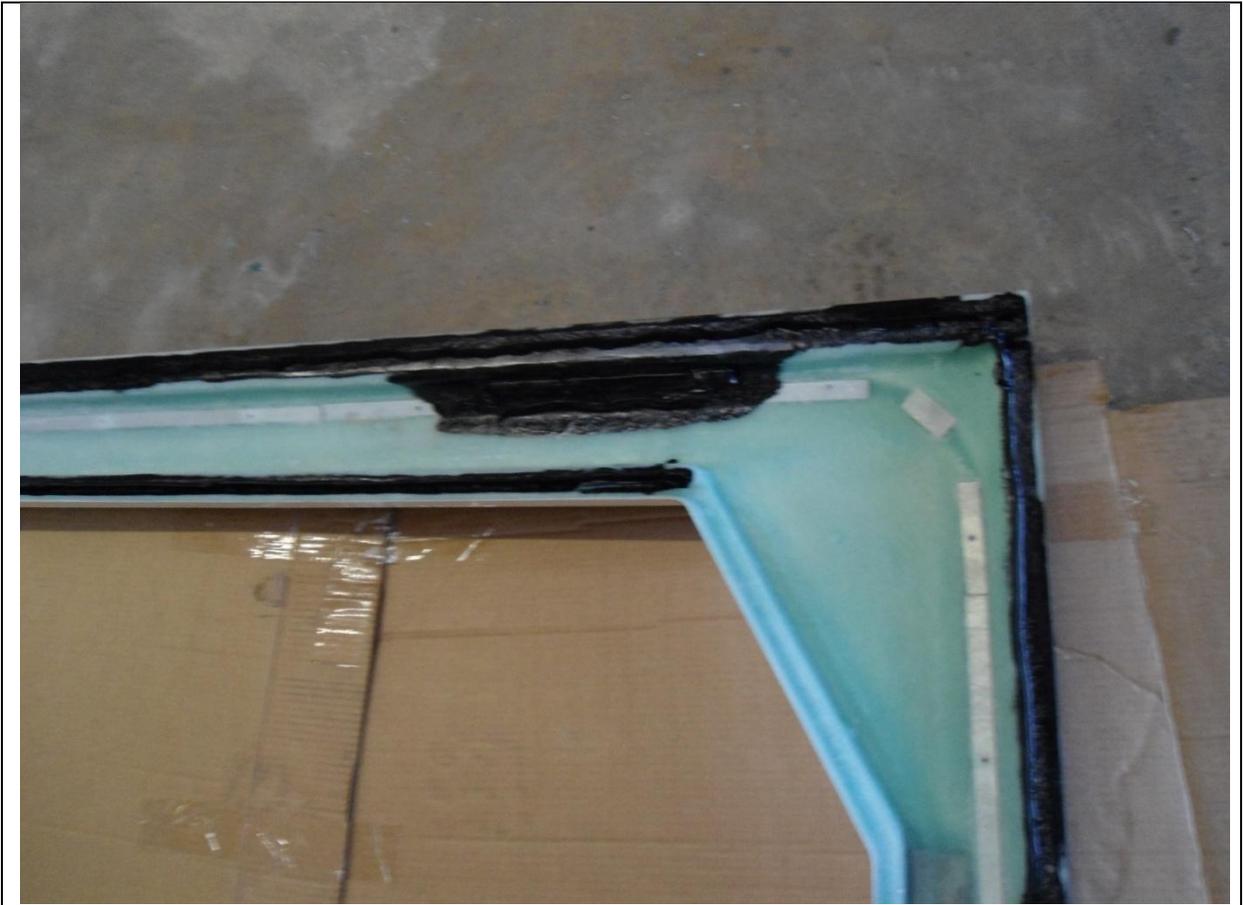
Treat the bonding surfaces as shown with Sika Cleaner 205 clean before. Roughen the adhesive surfaces on the platform with abrasive paper. Sika primer 206 G + P thin, but the whole area, covering coat. Observe the air time of 15 minutes.





Apply Sikaflex 252 in sufficient thickness to the surfaces to be bonded. Then place the roof again and align. The glued to the body tape helps.

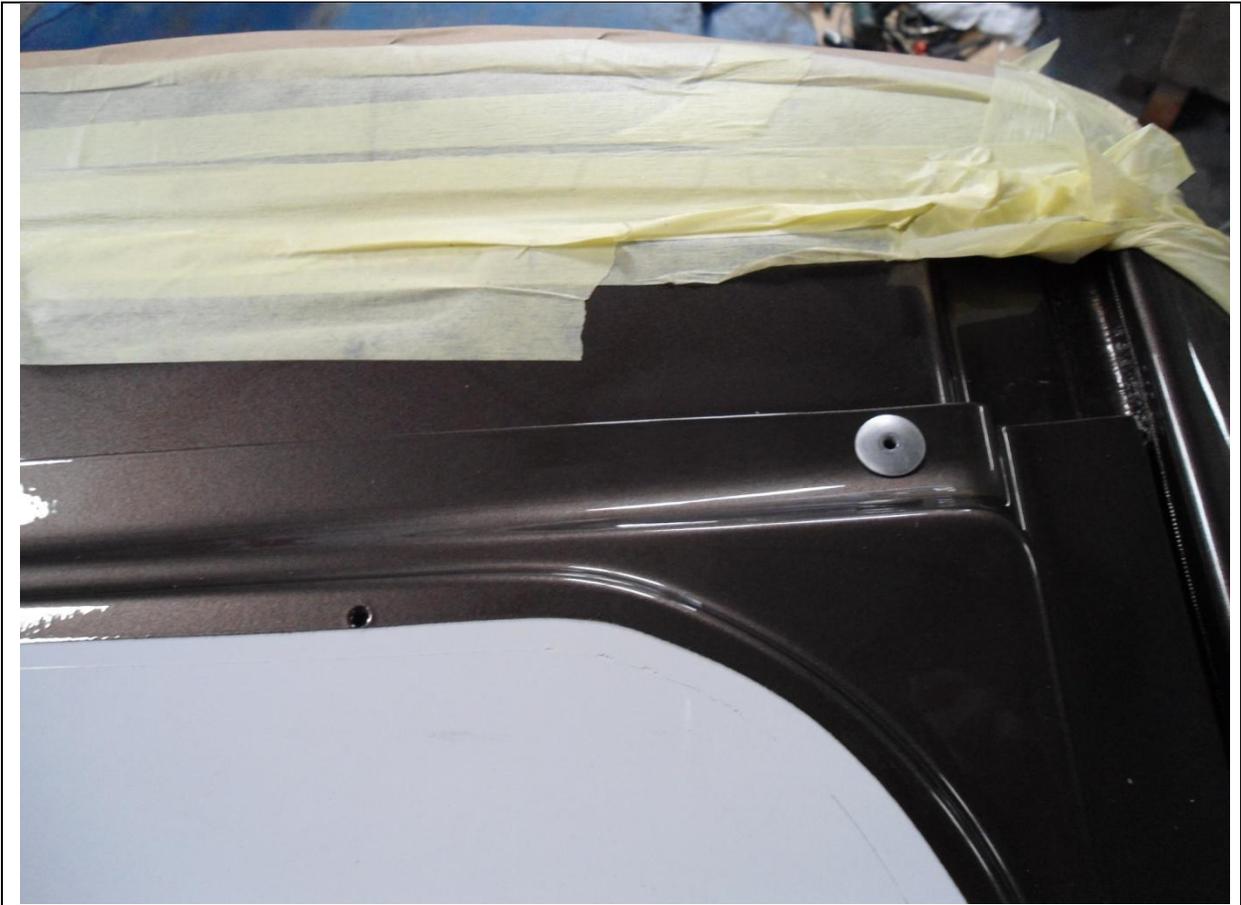






Clamp down the platform and pull the spoiler down with brackets and body suction tools as per picture.











LEAVE TO CURE FOR 48 HOURS!!!

If required tape around the edge to achieve a clean sealing edge. Before filling the joint with Sikafix, clean the entire joint with Sika Primer 206 G + P treatment. Apply the SIKA 221 and then remove the tape. We use panel wipe and a soft rag to create a nice smooth edge. Leave for 8 hours.

3. Assemble The Bed

Add the bed board into the rear of the vehicle diagonally and then add it to the roof carefully. Push it all the way back and align sides. Fold the two hinges down and screw the deck unit with the Wood screws 4,5x40 mm provided.



One person hold the roof bed up and the other attach the gas struts

Warning: install gas struts with the piston rod downwards i.e. largest end at bottom. Insert the securing pin.

7. Mounting locking

Using the supplied lock on the upper locking hook, insert into the slot provided.

Do not exert pressure on the roof shell and draw the center of the oblong holes on.



Drill at the markings two x 5 mm holes and cut out a thread.



Insert the lock into the recess provided and fix it with the supplied screws (4 pcs. M6x16).

Close the roof and set the lock, by moving them up or down on the bracket so that the upper reaches to the lower lock. Do not exert any Pressure. We recommend trying both with and without the mattress in place, even if the customer does not want a mattress.

Close the ClicLock closure. The ClicLock closure serves as a safeguard against accidental opening of the roof.



8. Installation Of Hatch Cover

Align the front panel so that it is centered. Right at the top of the platform affix with the holes provided using the screws and the caps. Drill Ø2,5 mm screw



In the centre position the fastening tape, using screw and washer provided.



Once the cover and fastener are mounted, you can easily roll up the cover and attach to the bed board.



The cover in the closed state.



Tools Used:



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UK Trade Distribution
Foel
Welshpool
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07483 172027
sca@banwy.co.uk
www.scaroof.com

