

Insulation and safety instructions

We advise that you follow all the prescribe safety instruction and stipulation from your vehicle manufacture

The manufacture accept on liability for the damage in any case

Damage to the product from mechanical influences,

Alteration to the product without written permission from the manufacture

Used for the purpose other than those in the operating manual

The product failure is due to misuse or lack of proper maintenance

The defect or part is not covered

Note- If you do not have the sufficient technical expertise for installation of the window, you should use a specialist window installer to fit the windows in your vehicle

- If you notice any faults or issue, consult a specialist workshop
- Before embarking on any journey please make sure the windows are locked and there is no damage to the windows
- Do not open the windows in strong rain or wind
- When it is raining or snowing close the windows
- Leave the vehicle unattended with the windows open

Warning- Whilst driving all cassette windows must be closed on public roads

Intended Use

Shield cassette windows are designed to be fitted in campervans, motorhomes and caravans to allow natural light and vent the vehicle.

Pre Installation Checks

- You must check that the intended location for the window does not require any additional reinforcement.
- The intended location is not going to cut any structural supports

- Move any components such as cables out of the way of the way whilst cutting the aperture for the window.
- There is a sufficient space available for the inner and outer frames.
- Note when fitting the sliding window the movable window pane must be fitted so that it closest to the front of the vehicle.

Top hinge window Parts list

Before fitting please inspect the window(s) are not damaged and make sure all are parts are present and work correctly.

The box should contain

1 x Outer Cassette window Frame (Part A)



1x Inner Square Edged Frame (Part B)



1x Cassette Unit with blinds and fly screen (Part C)



1x Self tapping screws

Top hinge windows fitting instructions (TH)

Fitting Instructions

- Make a template using plywood or cardboard of the outer window (Fig 1)

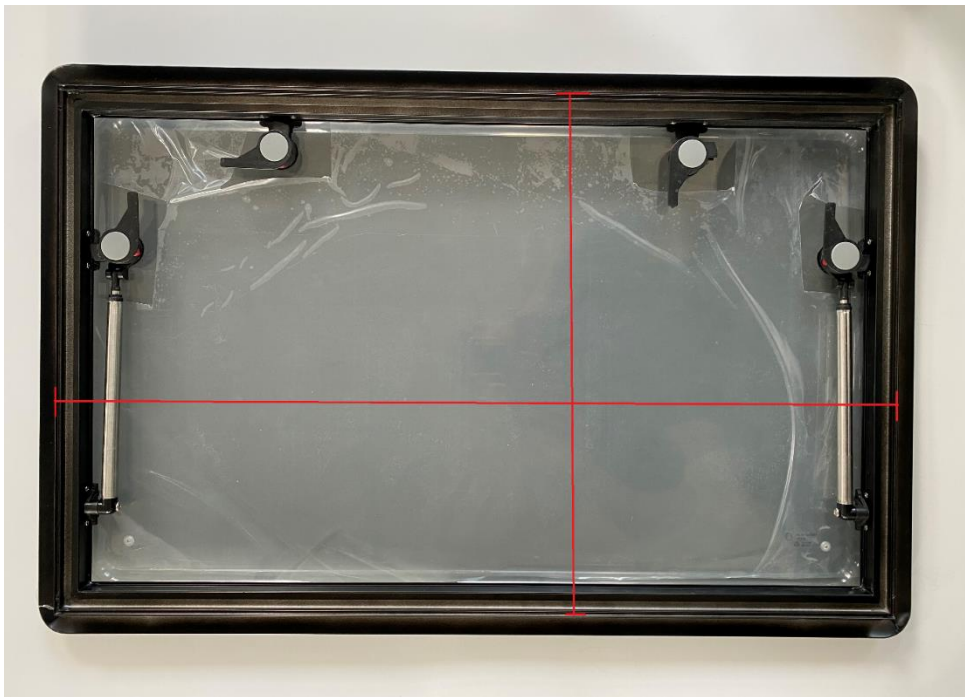


Fig 1

Close up pictures below showing the channel edge to cut the template (Fig 2)

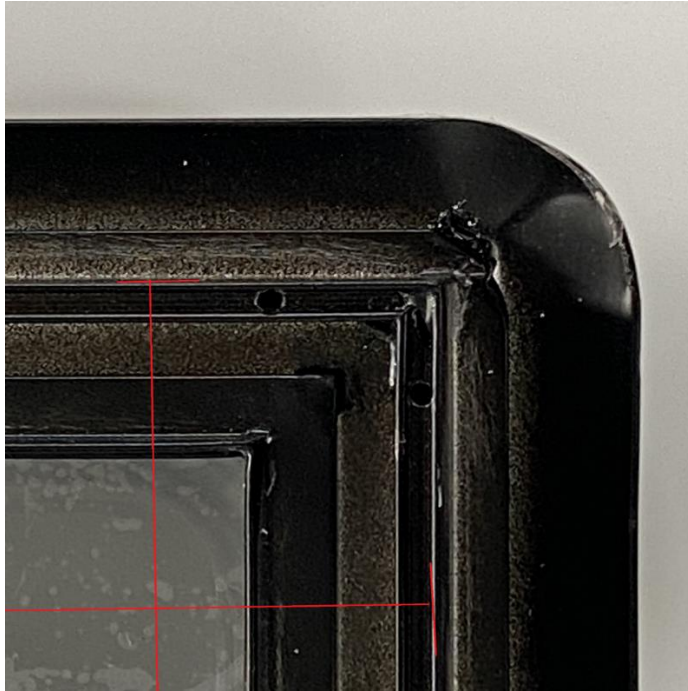


Fig 2

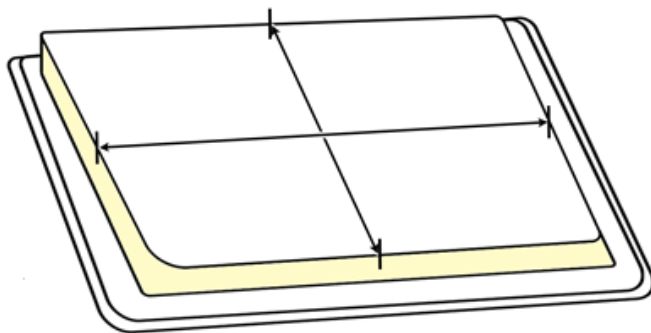


Fig 3

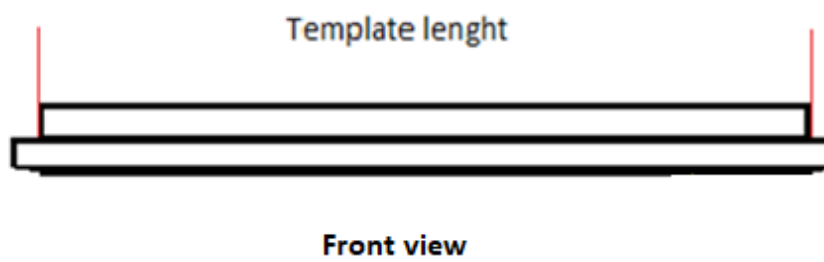


Fig 4

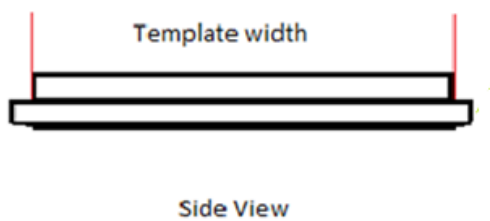


Fig 5

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- Using masking tape fix the template to the side of your vehicle making sure you are happy with location (making sure it is level)

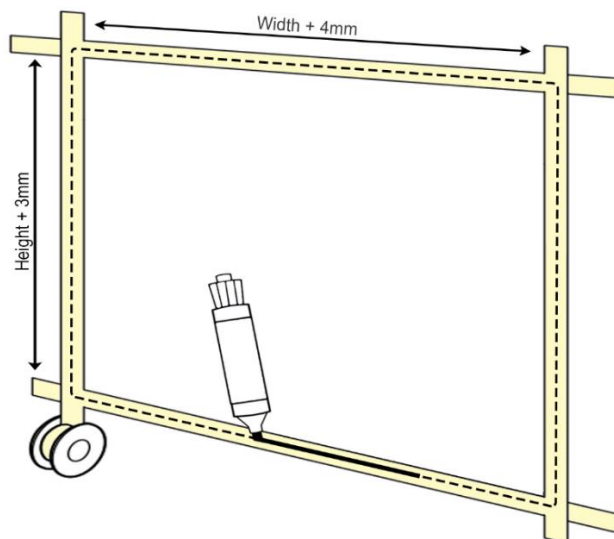
Fig 6



Once you are satisfied with the position stick masking tape underneath the edges of the template making sure half is underneath and the other half is showing outside of the template

- Draw around the template using a marker adding an extra 4mm to the width on one side and 3mm to height on one (Fig 7).

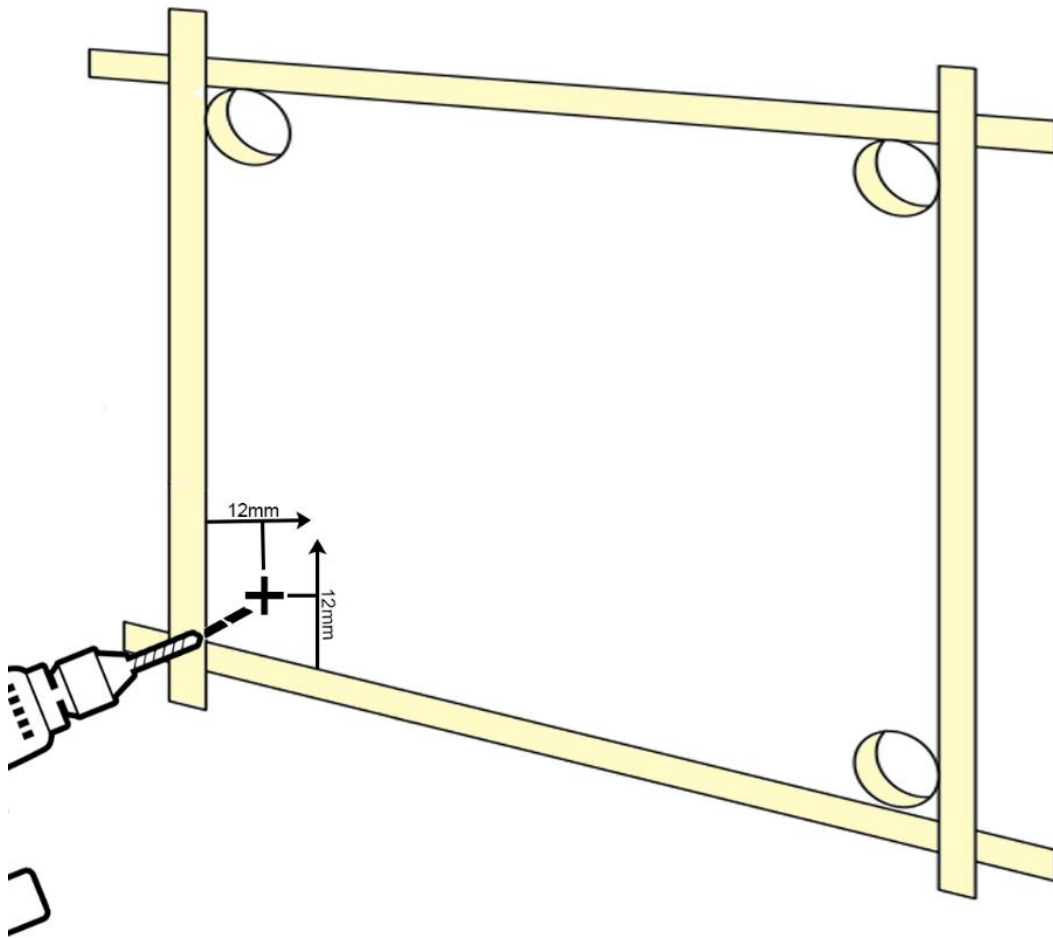
Fig 7



- Cut the panel out with a grinder, nibbler or jigsaw (if using cutting discs make sure you cover all the windows and side mirrors of the vehicle as the sparks will damage them, once you have cut the aperture out file any sharp edges where necessary. (make sure you use the correct protective clothing, gloves and goggles)

- If you intend to use a jig saw/nibbler we would recommend that you measure 12mm from the each of the corners horizontally and vertically (as picture below) and drill a pilot hole (using a holesaw /large drill bit) and then cut the aperture for the window. (Fig 8)

Fig 8



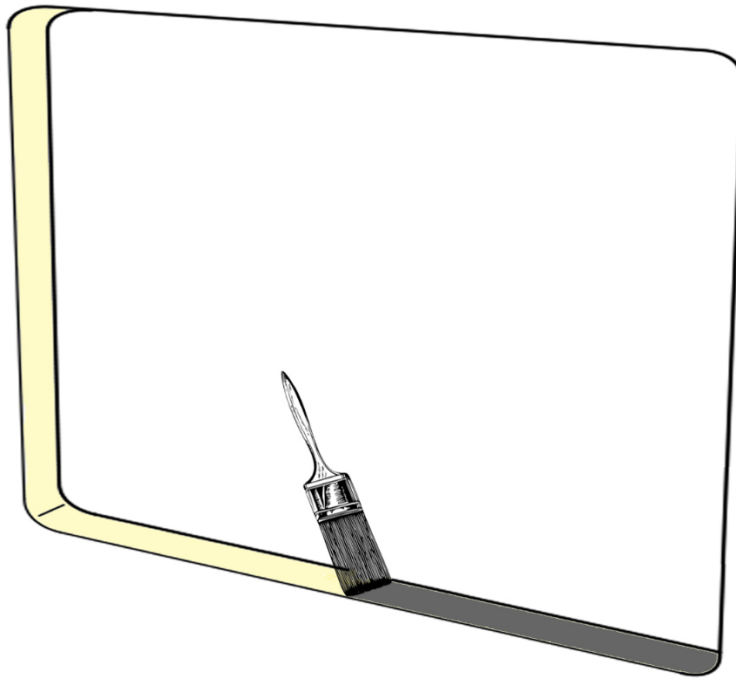
- Offer the outer frame (Part A) into the aperture to make sure the frame fits.
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- Whilst the window is aperture put some 2 inch masking tape around the edges of the window so that if any excess Stick and seal / polyurethane oozes out from the sides of the window frame you can simply peel the masking tape to get a clean finish (Fig 9)

Fig 9



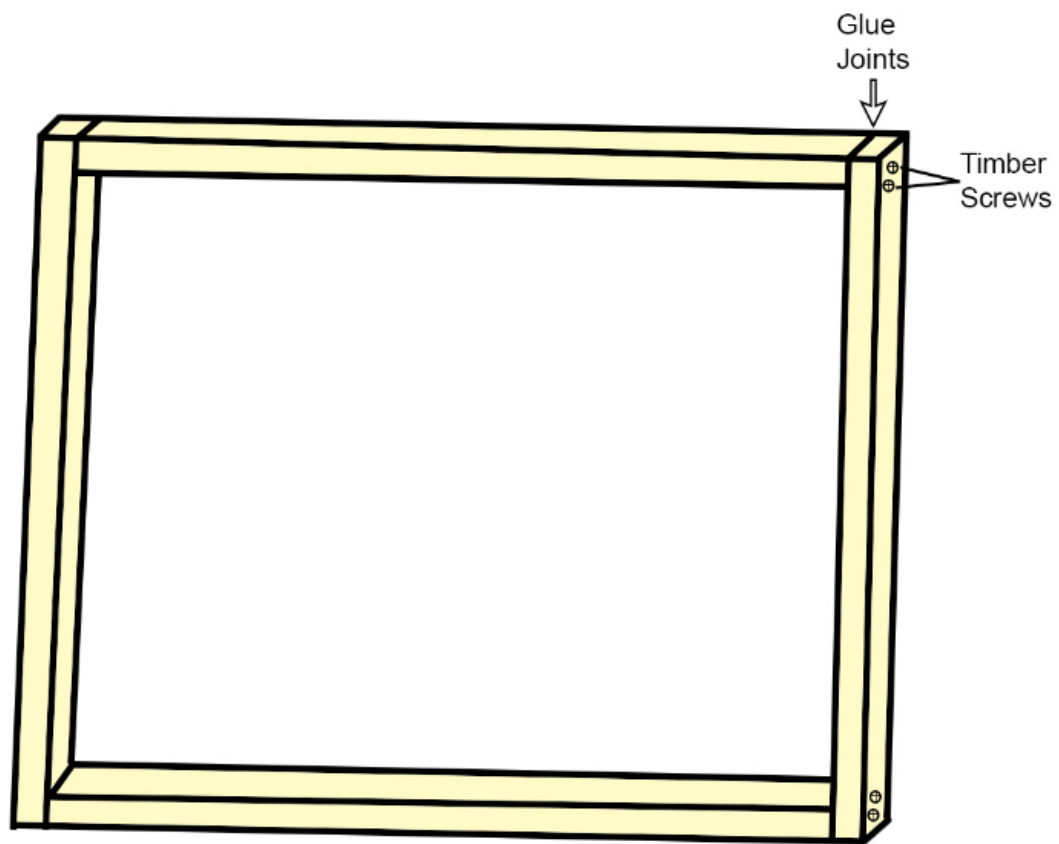
- Seal the exposed bear metal with a primer/metal oxide (to avoid rust) (make sure you use the correct protective clothing and goggles.(Fig10))

Fig 10



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- Make a timber frame (Fig 11) around the inner protruding part of the outer frames (Part A) using the correct thickness of wood to match the rest of the van interior (taking in account the thickness of the inner frame) and scribe the timber frame where necessary (to get the curve of the vehicle if not flat)

Fig 11



- Apply a thick continuous bead of shield stick and seal (or alternative) around the inner lip of the outer window (Fig 12-13)

Fig 12

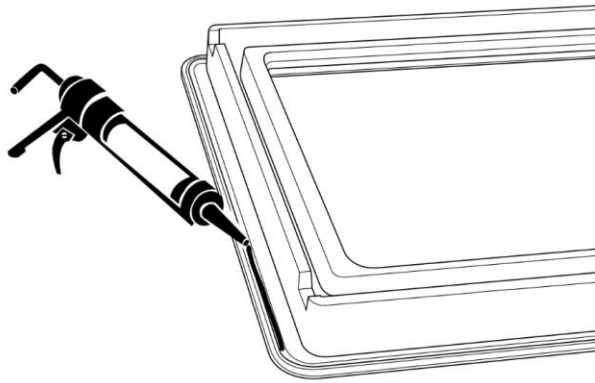


Fig 13



Outer frame (F1) lip for stick and seal beading

The outer frame (Part A) is bonded with a stick and seal sealant bead to create a water-resistant seal.

Tip - start with the stick and seal bead at the middle at the bottom lip of the window and try to get a continuous bead all the way around.

- From the outside of the van align the outer frame (Part A) with the aperture and then push flat against body of the vehicle making sure that the window is level (We would recommend removing the masking tape around the window with any excess adhesive that has oozed out about 30 minutes after fitting) allow the adhesive to set.

Fig 14

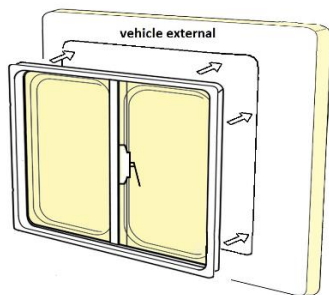
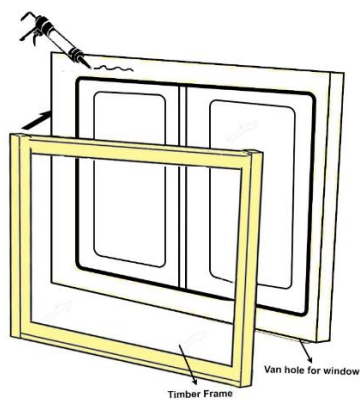


Fig 15



Fix the timber frame internally to appature applying adhesive

Fig 16



Fig 17

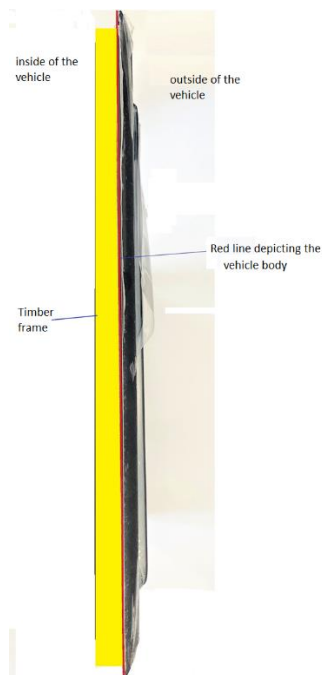
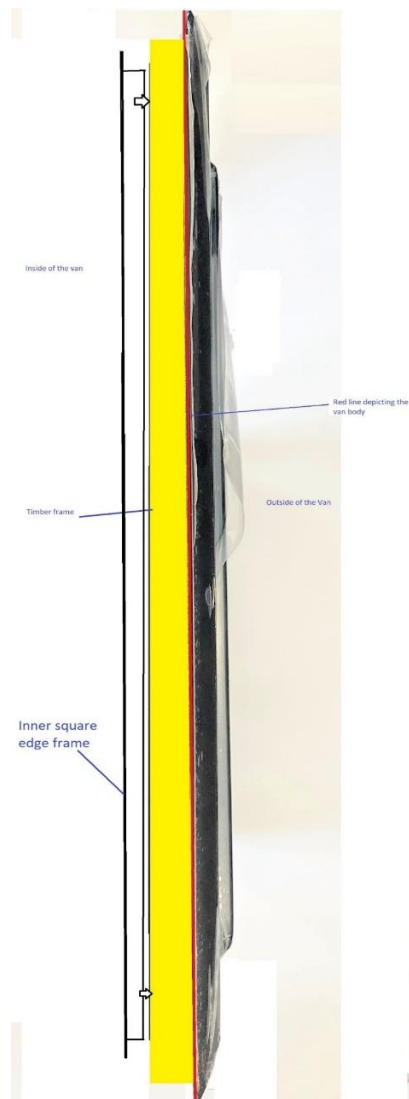
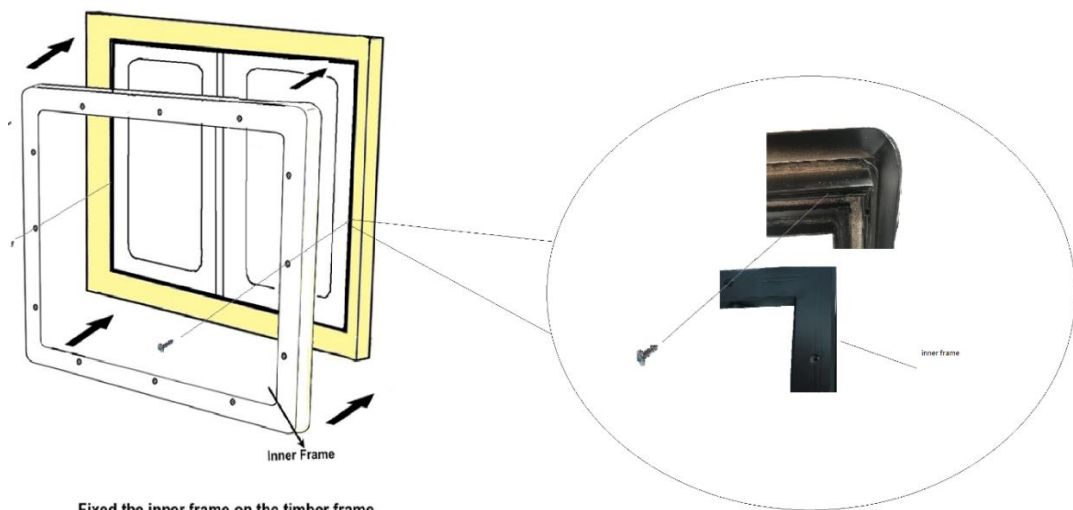


Fig 18



- Run a sealant bead around the outer cassette (Part A) from the inside of the vehicle (Fig 15), allow the stick and seal to set. You are sealing any gaps between the vehicle body and frame.
- From inside the van glue the timber frame over the protruding lip of the over the outer window (PART A) and allow the stick and seal to set. Apply the stick and seal in the timber in a s shape along the timber frame
- Slot the inner square frame (Part B) into the outer cassette window frame (Part A) from the inside of the van Fig 19-21)

Fig 19



Fixed the inner frame on the timber frame

Fig 20



Fig 21



Fig 22



- Screw the inner frame (Part B) to the outer frame (Part A) using the self-taping screws supplied (pre drilled are spaced around the frame (Fig 22).

The pre drilled holes on Part B line up with the channel on Part A (Fig 23)

Fig 23



Fig 24



Finish boarding/lining the interior of the van as required

Cassette Installation

- Pull the ribbons from the cassette frame (Part C) to expose pre drilled holes line the cassette (Fig 27)

Fig 25



Fig 26

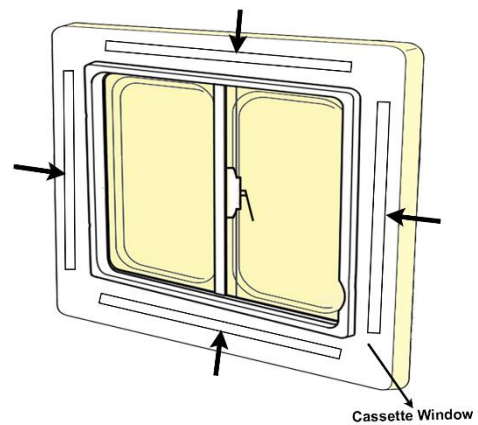
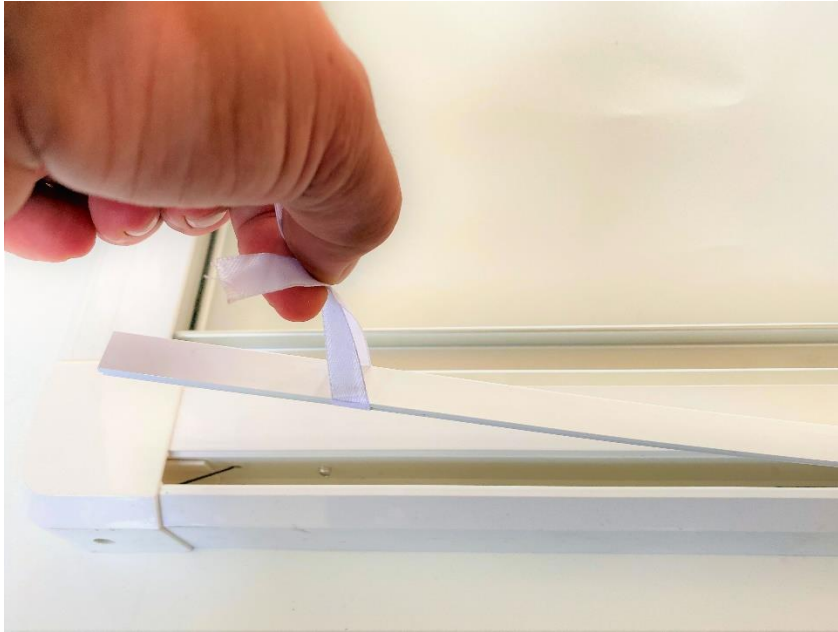
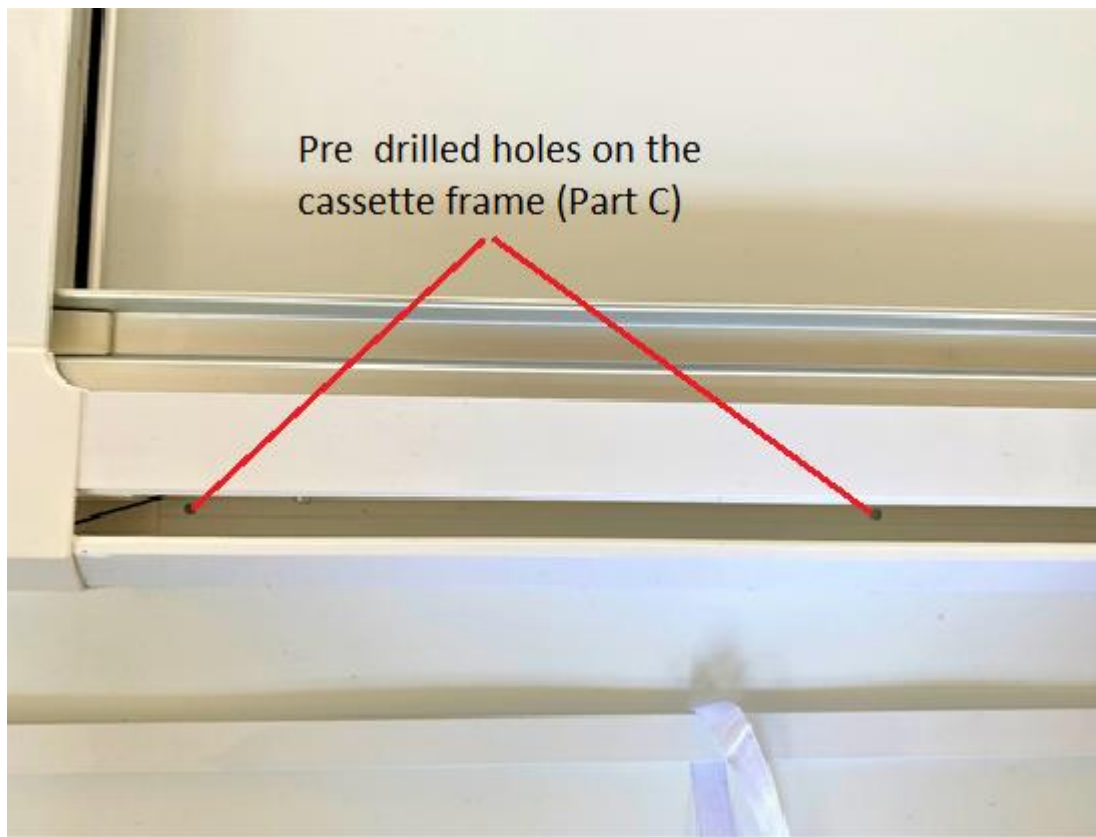


Fig 27



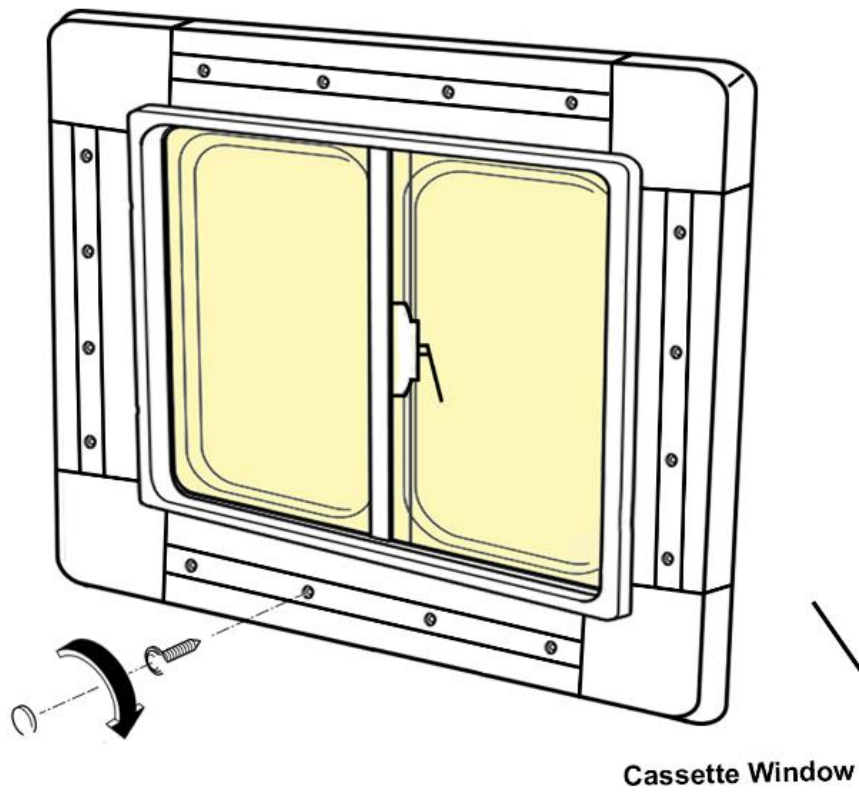
- Mark the location(s) of these holes of the cassette frame (Part C) on the inner frame (Part B) making sure you are satisfied with the position, you can drill some pilot holes using a centre punch to avoid drill bit slipping and damaging the frame

Fig 28



- Screw the cassette frame (Part C) with the self-tapping screws to the inner frame (part B), making sure that the blackout blinds are at the bottom and close upwards.

Fig 29



Tight all the screws of the cassette window

- Check that the fly screen and the blackout blind work freely by gently guiding the aluminium grip with both hand on the either up or down depending on if you are raising or lowing the blind or fly screen

Fig 30

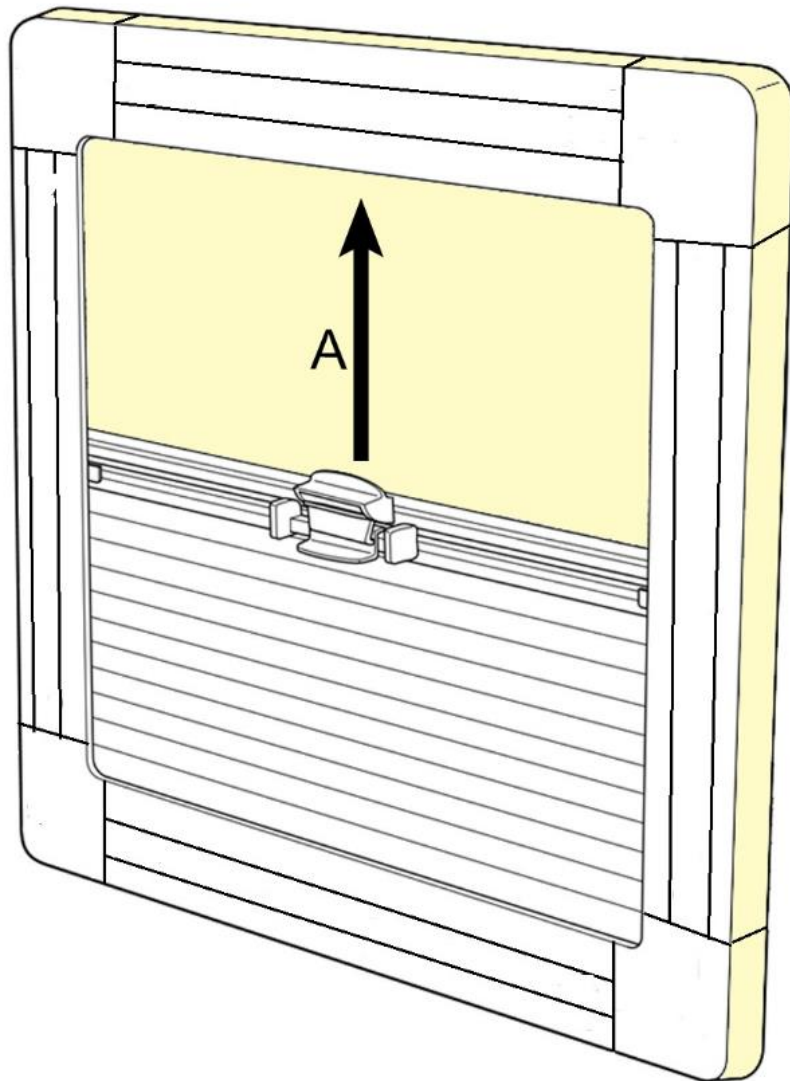
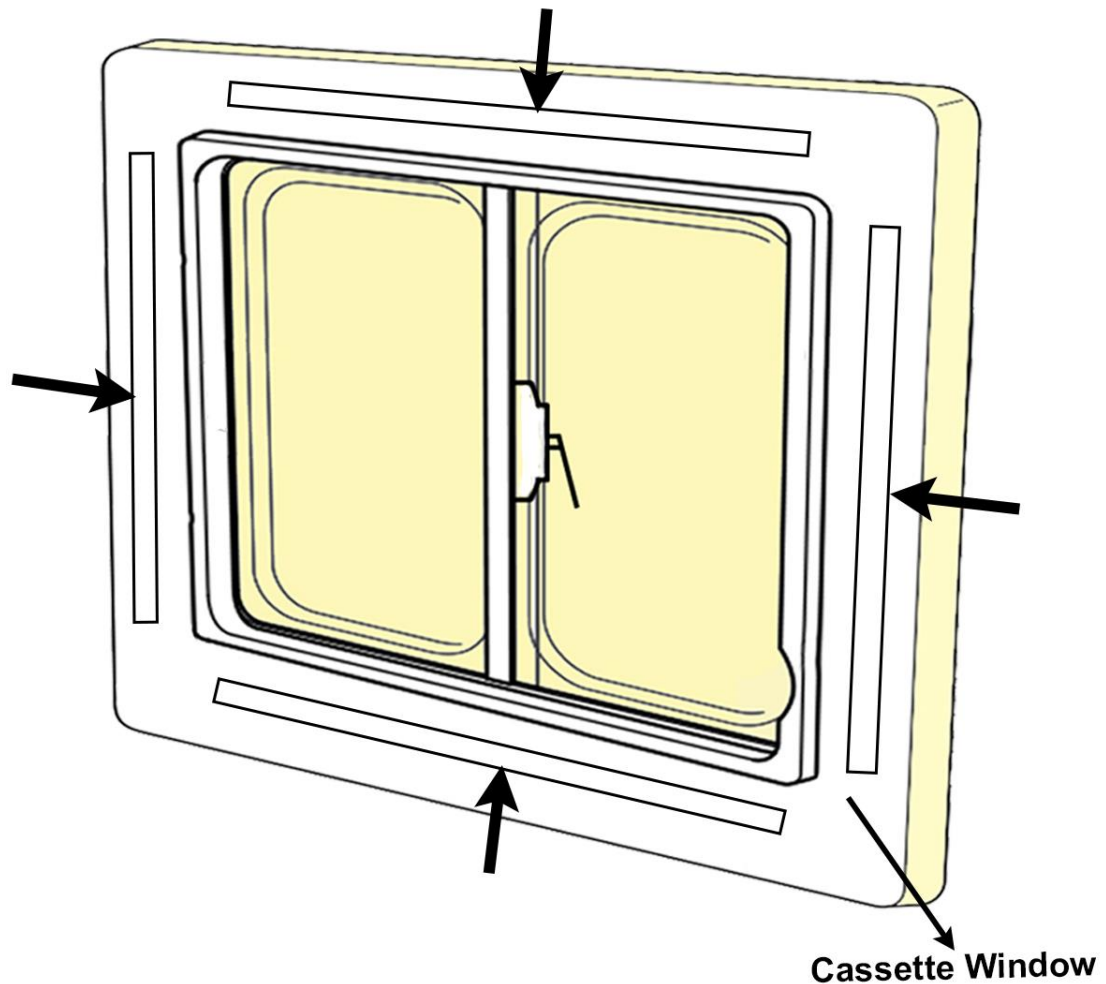


Fig 28

- Refit the clips

Fig 31



Finally, peel off the protective film from the windows.

Opening and closing the window

To open the window press the red window lock down and gently rotate the rotary handles 45 degrees upwards (The rotary handles will not rotate freely if the lock is in the engaged position, simply press the red button in the opposite direction to disengage the lock)





Once all the rotary handle are in the open position gently tilt the window outwards until you get to the desired location, (Note- The minimum opening depth is 18 cm)

To close the window push outward to the maximum position and then pull the window inwards using the rotary handles and rotate them 45 degrees once they are over the locking plate

The window can be partially opened and secured at the same time due the of the design of the rotary handles as shown in the picture below



Cleaning and maintenance

Please do not use any sharp or abrasive objects to clean the windows as it will damage the acrylic glass. Only use Acrylic glass polish and specialist polishing cloth.

Use mild soap with water to clean the blind

Use rubber seal protector or conditioner for the rubber seal.

Warranty

The statutory warrant period applies. If the product is defective please email us on info@shieldautocare.co.uk.

Exclusions apply If the windows are fitted incorrectly, defective workmanship or damaged caused inappropriate /misuse.

Right to return for faulty good is 28 days, the return window must be in its original condition and packaging.

Disposal

Please recycle the packaging by placing them in the appropriate recycling bins