

Installation and safety instructions

We advise that you follow all the prescribed safety instructions and stipulation from your vehicle manufacture

The manufacture will not accept liability for the damages if there is :-

- 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 rain 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.

Sliding window Parts list

Before fitting, please inspect the window and make sure there are is no damage parts and all parts are present.

The box should contain:

1 x Outer Frame (PART A)



1x inner round edged frame (PART B)



1 x metal cassette mounting frame (PART C)



1x Cassette Unit (PART 4) with blinds and fly screen)



1x filler strip and self-tapping screws



Sliding window Fitting Instructions

- Make a template using plywood or cardboard of the outer window (PART A) allowing an extra 3mm on the height (one side) and 4mm on the width (one side) (Fig 6).

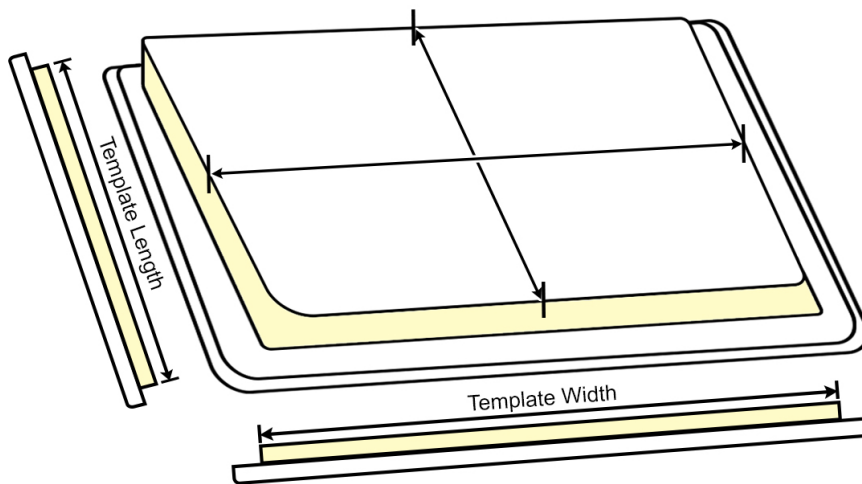


Fig 1



Fig (2) SIDE VIEW OF THE WIDTH



Fig 3 SIDE VIEW OF THE LENGHT

Please do not include the rubber shock absorber in the template (Fig 4)

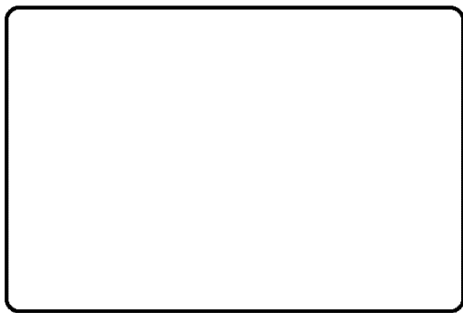
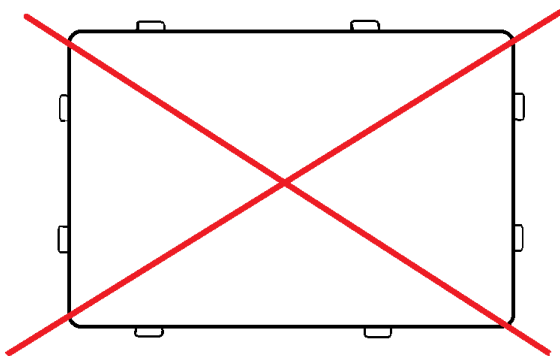


Fig 4



Incorrect

Fig 5

- Using masking tape (50mm), stick the template to the side of your vehicle making sure it is level (fig 2) once you are satisfied with the position, trace around the template with a marker.

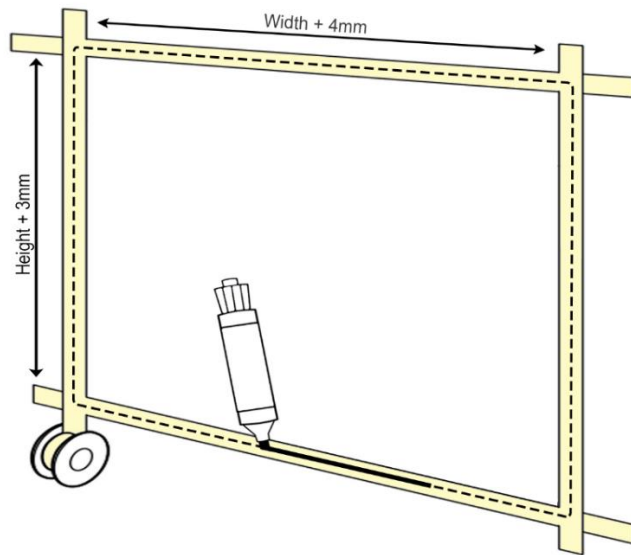


Fig 6

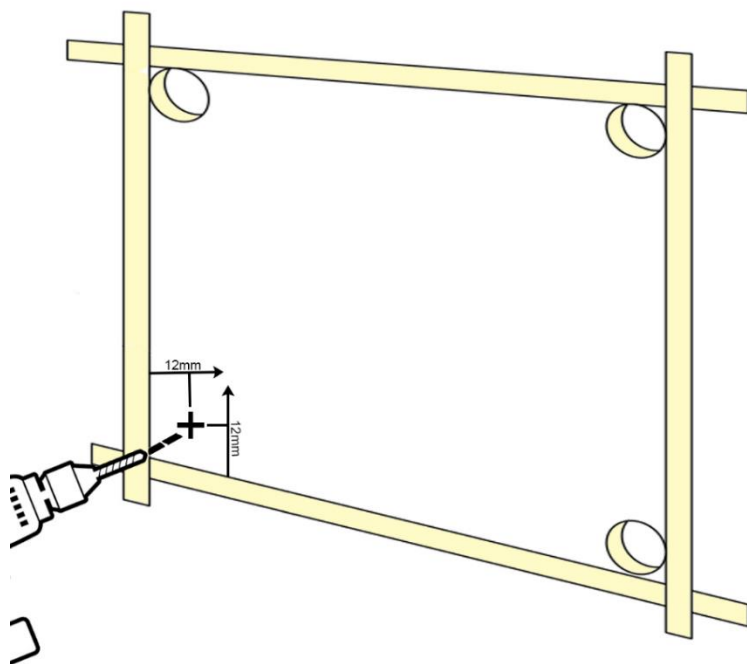


Fig 7

- 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 including the body work as the sparks from the cutting disc will damage them, once you have cut the aperture out file any sharp edges where necessary.
- 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 hole saw/large drill bit) and then cut the aperture for the window. (Fig 7)
- Offer the outer frame (PART A) up to the newly cut aperture to make sure the frame fits but before this you will need tape all the rubber shock absorbers to the glass so the window can fit through the aperture easily (picture below Fig 8-F11)

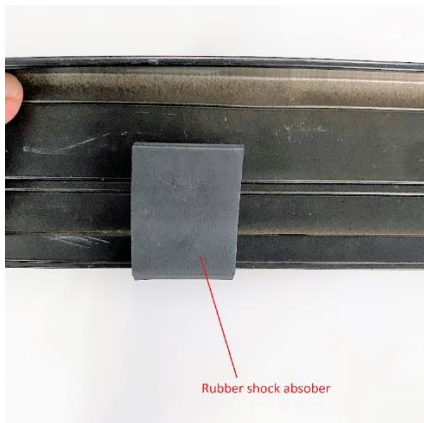


Fig 8



Fig 9



Fig 10

Fig 11

- Whilst the window is in the aperture apply some 2 inch masking tape around the edges of the window so that if any excess Stick and seal / polyurethane sealant oozes out from the sides of the window frame you can simply peel the masking tape to get a clean finish.



Fig 12

- Seal the exposed bear metal of the window aperture with a primer/metal oxide (to avoid rust) and make sure you use the correct protective clothing and goggles.(Fig 13)

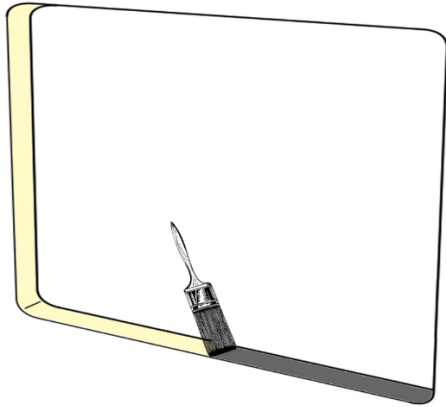


Fig 13

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

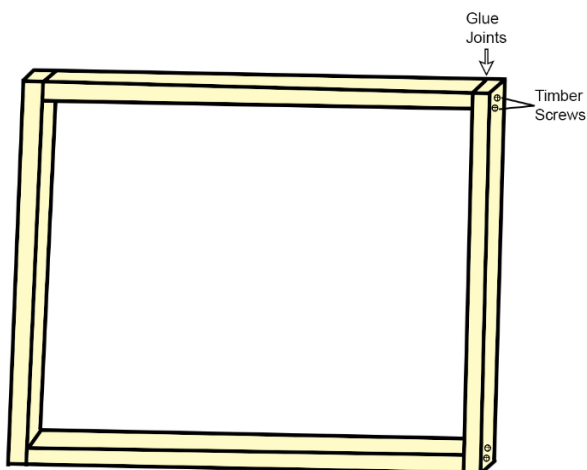


Fig 14

- Apply a thick continuous bead of stick and seal/ (polyurethane) around the inner lip (Fig 15) of the outer window (PART A) (Fig 14)



Outer Frame (Part A) lip to apply the stick and seal

Fig 14

The outer frame is bonded with a stick and seal sealant or alternative to create a water-tight 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.

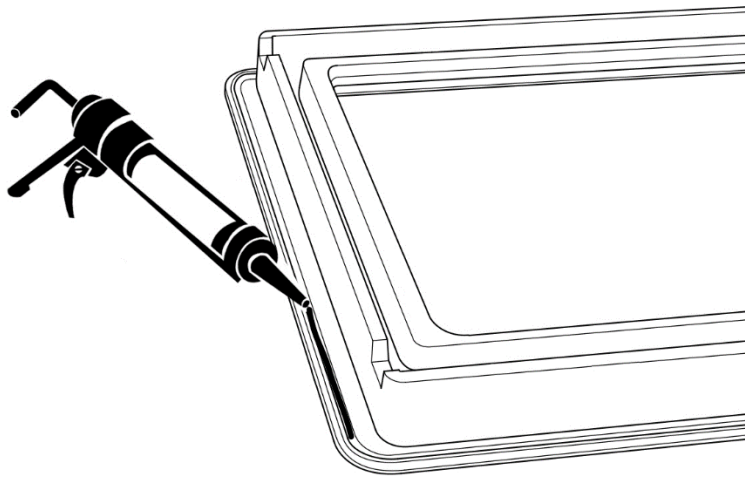


Fig 15

- Once you have applied the stick and seal bead align the outer frame (Part A) with aperture in the vehicle and then push flat against body 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 15)

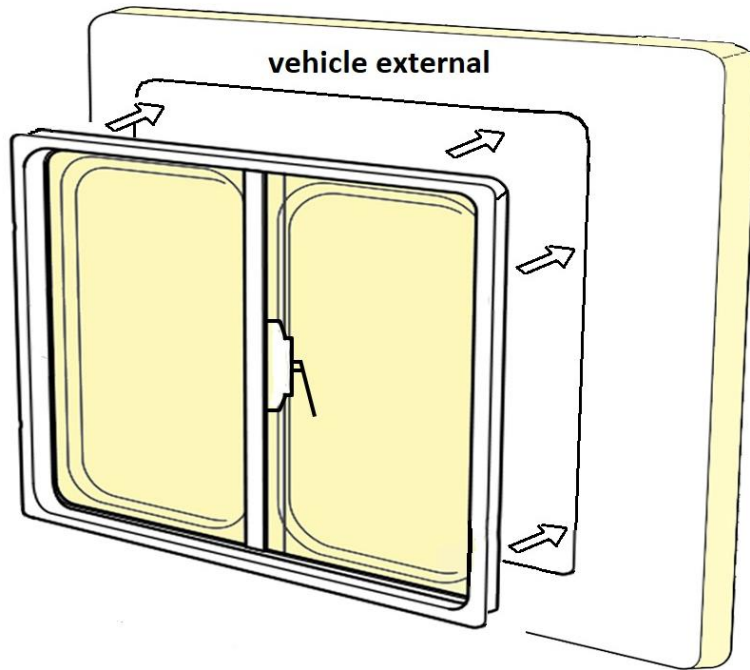
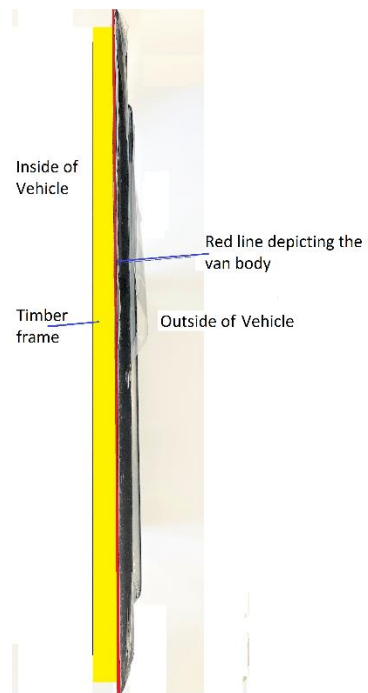
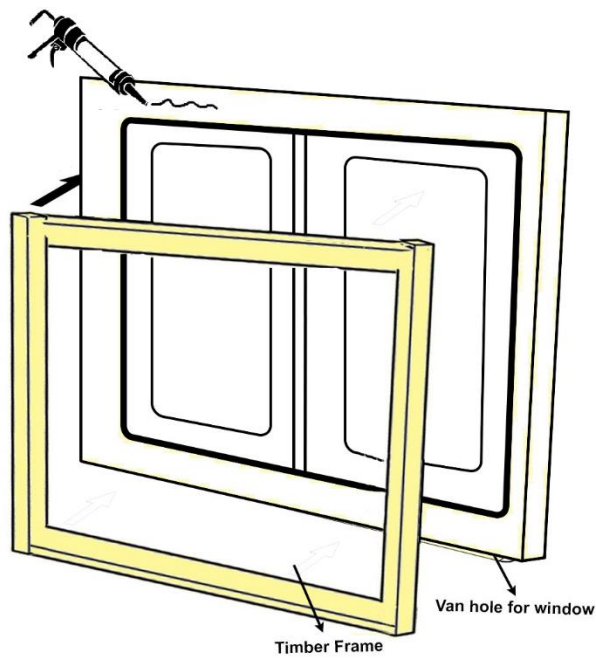


Fig 16

- run a sealant bead around the outer cassette (PART A) from the inside of the vehicle (Fig 17) sealing any gap between the vehicle body and the outer cassette (PART A)



Fix the timber frame internally to appature applying adhesive

Fig 17

- From inside the vehicle glue the timber frame over the protruding lip of the over the outer window (PART A) (Fig 18) Allow the stick and seal to set.
- We recommend screwing the inner round frame (PART B) into the outer frames (PART A) mounting channel (Fig 21 shows the channel)

Note -You may need to ream (enlarge) the height of the predrilled holes on the inner round frame (PART B) to make the hole align the outer window channel (PART A) using a 5mm metal drill and saw cutter bit or side way cutting bit (available for major DIY outlets)



Fig 18

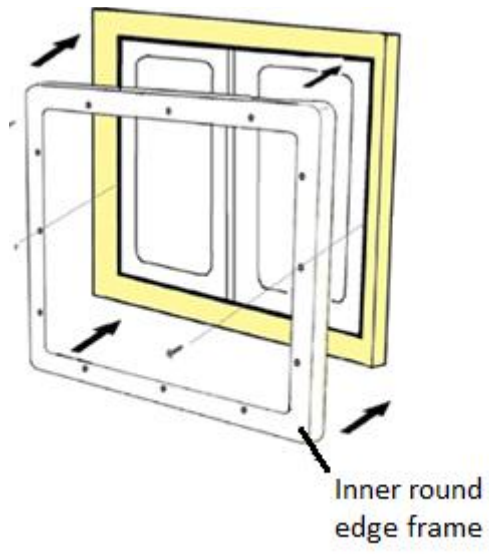


Fig 19

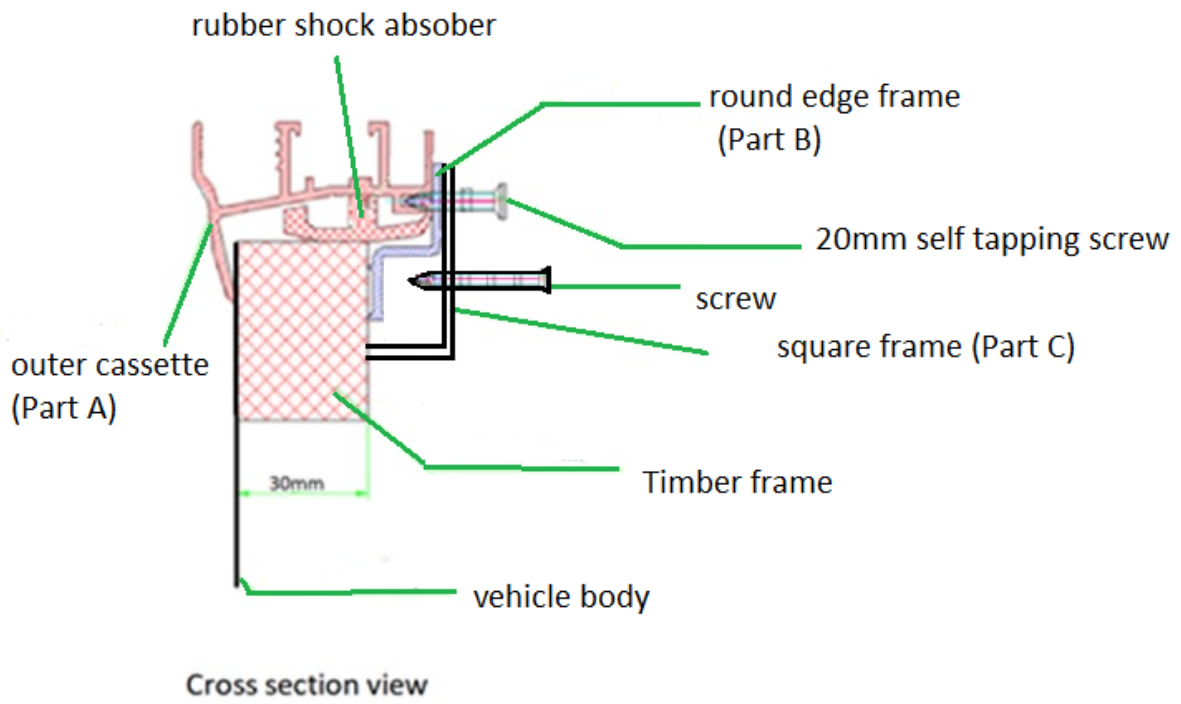


Fig 20



Fig 21

- Insert the filler strip into the inner frame (PART B) channel (Fig 22) and trim any excess filler strip.

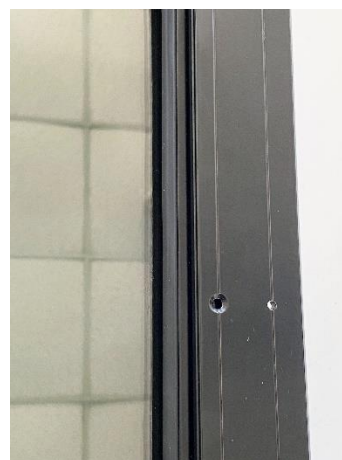


Fig 22



Fig 23

- Place the metal cassette mounting frame (PART C) over the inner round edged frame (PART B) (Fig 24)



- Screw the metal cassette mounting frame (PART C) to the inner round edged frame (PART B) using the vertical pre drilled holes on the cassette mounting frame (Part C) with 20mm flat head self-tapping screws (Fig 24)
- Screw the metal cassette mounting frame (PART C) to the timber frame (Fig 17) using the horizontal pre drilled hole (Fig 24) and (F20)

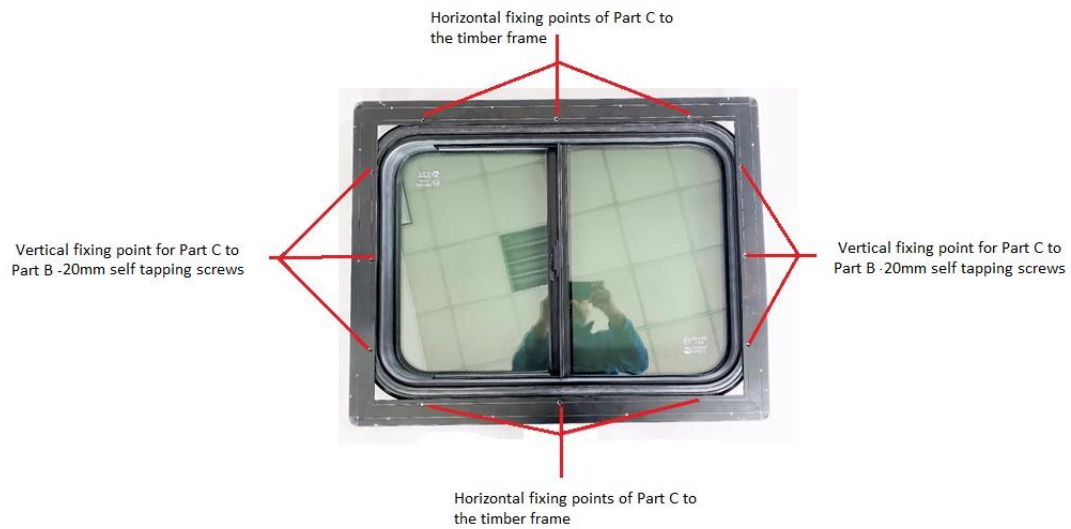


Fig 24

Finish boarding/lining the interior of the van as required