



## Arctic Tern Window Installation & Operation Guide

Thank you for purchasing an Arctic Tern Window from Tern Overland! We hope you have a great experience installing and enjoying the window for years to come. Here are some tips and guidance. Please review before installing.

**Step 1: Cutting the hole for the window:** Consider the placement of the window carefully to avoid conflicts with cabinets, wall struts, or other existing components. Allow a minimum of 2" above and below the cut hole on the inside. This is to allow for installation of the screen / blind assembly. Allow a minimum of 1 inch at each side. **Refer to Diagram 1 and 2.**

Create a template for the hole out of cardboard. Use the inner window frame as your pattern, and then test fit the cardboard over the window to ensure a good fit. Once the fit to the window is verified, use tape to position the template on the wall panel to be cut. Transfer the cut line with a felt pen. Cut the wall. Keep the cut line as close to the window size as possible.

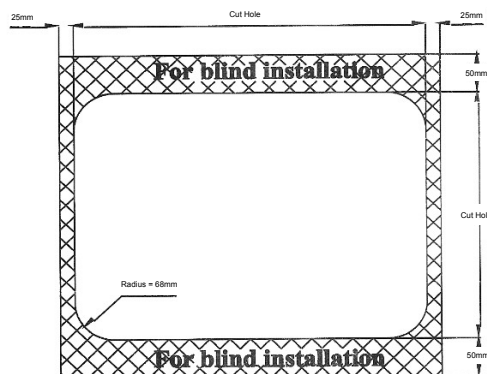


Diagram 1

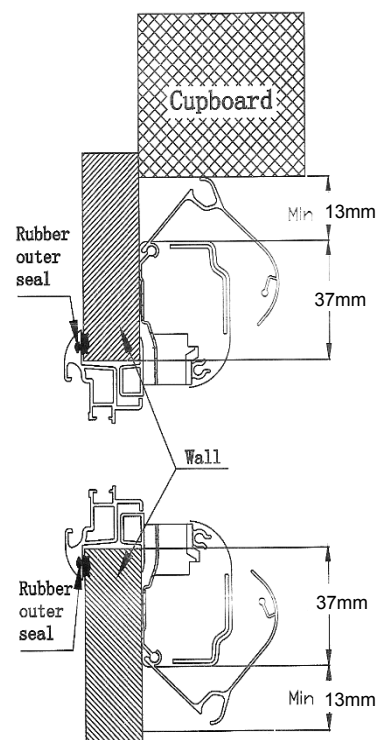


Diagram 2

**Step 2: Installing the window:** Consider the curvature of the wall where the window will be installed. If the wall is flat, then the window may be installed using the rubber seal supplied. No further sealant is required. If the wall has curvature, there are two options. Plain sheet metal, as often encountered in vans, is very conformal. Clamping the window into the sheet metal will draw the two together and produce a nice finish. For best results with this strategy, do not cut the metal close to a support structure on the sides where the curvature is present. This will prevent the metal from forming properly. Leave at least 4" unless the curvature is very slight. If the wall is inflexible and cannot conform, a better strategy is to remove the rubber gasket from the window and fill the gap created by the curvature with a good quality sealant, such as Geocel ProFlexRV Flexible Sealant or a polyurethane adhesive such as Sikaflex 252.

Do NOT use household caulks or any silicone base sealant!

Place the window assembly into the hole and tape into place securely using wide masking tape. From the inside of the camper, fit the inner frame ring into place. Verify that the inner frame provided is correct for the wall thickness. It should fit flush against the wall. The inner frame has hooks on the top to locate the blind assembly. The window is supplied with two lengths of screws depending on the thickness of your walls (M4 x 14 or M4 x 20). Extra screws are provided as spares. **Refer to Diagram 3** to choose the correct screws.

***Special note: If you ordered your windows with the optional inner ring extension for extra thick walls, extra care may be needed to fit the inner frame to the window assembly. Your windows will also come with special longer screws.***

Use the split straw provided to guide the screws into the interior ring holes and align with the threaded inserts in the window. It is recommended to use a hand screwdriver to prevent over-tightening. Do not use a cordless screw gun. A small drop of "Blue" (medium strength) thread locker is recommended on these screws. **DO NOT OVER-TIGHTEN !** The screws must not bottom in the holes! Screws should be snugged down to produce approximately 50% compression of the gasket. **Refer to Diagram 4.**

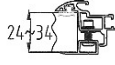


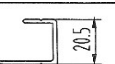


Wall Thickness (mm)	Screw specifications	Installation sections	sections
24-30mm	M4X14		
30-34mm	M4X20		
34-39mm	M4X14		
39-44mm	M4X20		
44-49mm	M4X14		
49-54mm	M4X20		

Diagram 3

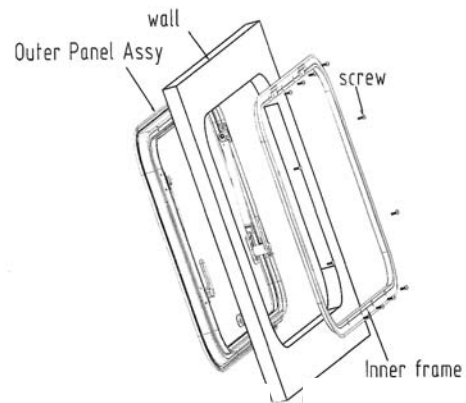


Diagram 4

**Step 3:** Consider whether you want the blind on top or on bottom. The choice is yours. The blind on the bottom allows a view through the window while providing privacy. The blind on top cuts severe glare from your eyes better. In either case, you can always reverse them later by simply removing and flipping them over.

Open the blind covers by lifting at the inside corner. There is a video in our website Library that shows this. **Refer to Diagram 5, 6 and 7.** Position the blind / screen assembly over the hooks on the inner frame. This locates the blind correctly until the mounting screws are installed. Center the blind on the window. There is a screw hole in each corner, through the grey plastic. A pilot hole for the screw into the wall may be needed. Hand tighten the four mounting screws. Snap the covers closed. There needs to be two snaps to completely close the cover.

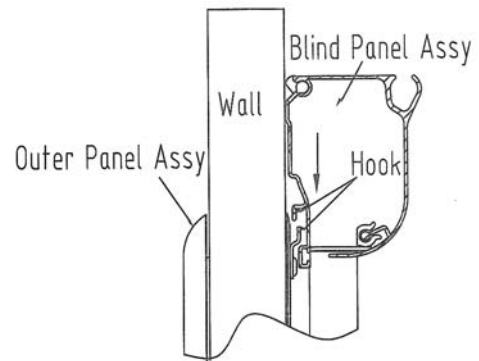


Diagram 5

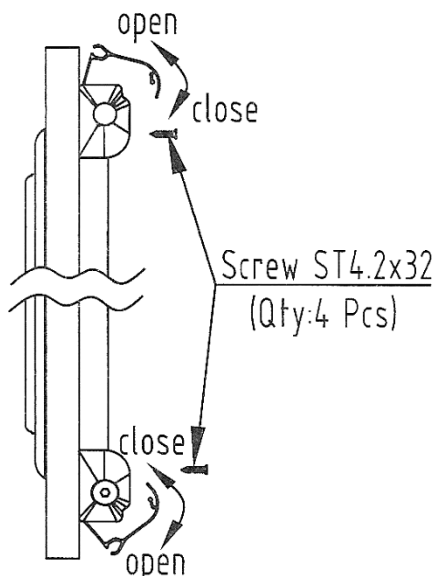


Diagram 6

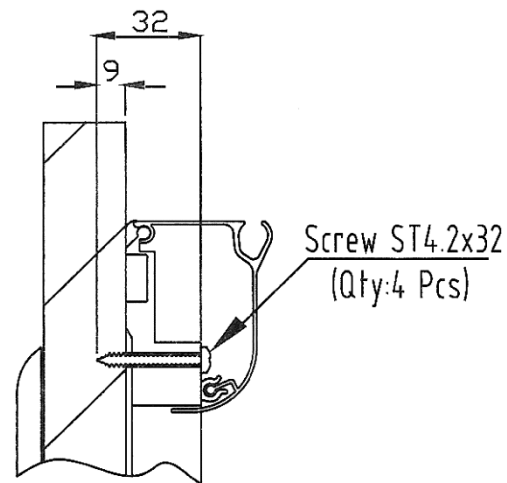


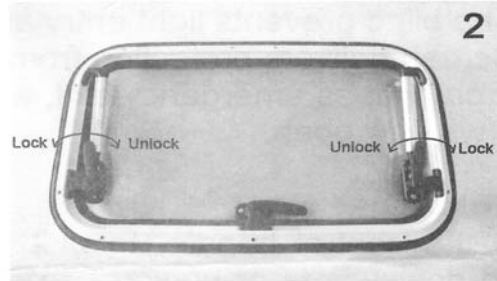
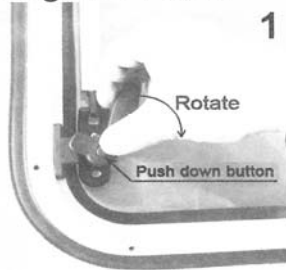
Diagram 7

**Step 4:** Test the function of the window and the blind for smooth operation. Take some photos and let us know how the installation went! There is a video in our website Library that explains correct blind and screen function. Enjoy!!

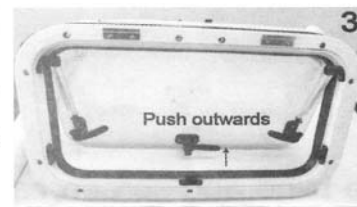
Please review the Operation Instructions so that you can have optimal functionality with your window.

### Open Window Instructions

**Step1:** Push button on the handle and rotate handle to unlock as per Diagram 1 & 2.

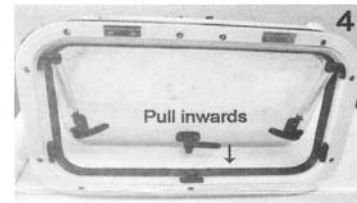


**Step2:** Push acrylic panel outwards. Panel will click at different positions of opening. 300mm high windows have two opening positions, other windows have three. (Diagram 3)

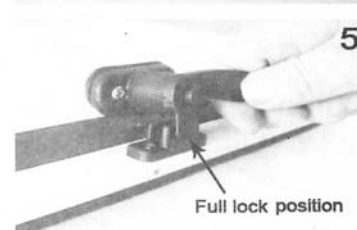


### Close Window Instructions

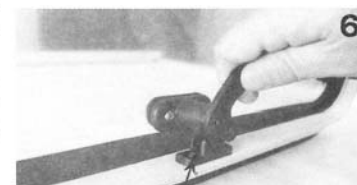
**Step1:** Push acrylic panel outwards a little to release from lock position, then pull inwards to the full lock position, as per diagram. (Diagram 4 & 5)



**Step2:** Rotate handle to lock the window. Handle will click once in the lock position.



All windows are equipped with semi-lock position, providing ventilation and preventing wind damage while parked (Diagram 6). Windows must be fully closed, and all handles must be in full lock positions when travelling.



## Blind and screen information

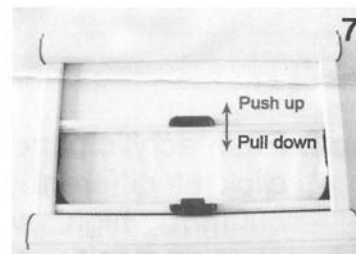
### Features:

This specially designed panel has three functions:

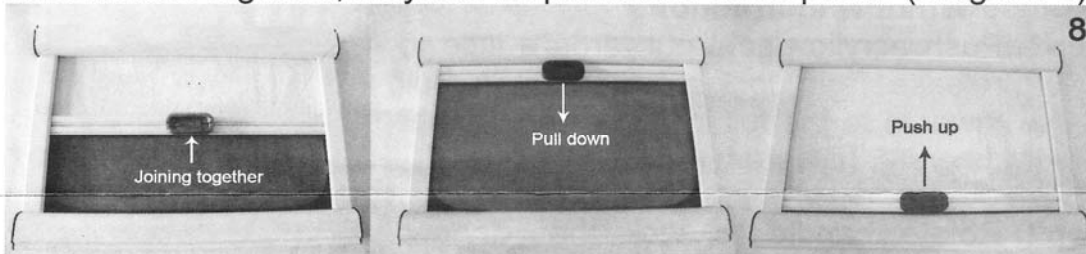
1. The blind prevents light entry and provides privacy.
2. Screen delivers protection from bugs.
3. It can act as emergency exit, when the screen and blind are unlocked and window open.

### Instructions:

Use the central handle, to pull or push the blind downwards or upwards to any position. (Diagram 7)



The blind and screen can be locked together by joining at middle catch. Once locked together, they can be positioned as required. (Diagram 8)



To unlock, press down on the catch in the handle. (Diagram 9)



**Note:** Rain will enter the cabin through the window if it is fully open. Use the semi-lock ventilation position or 1<sup>st</sup> click position if you need the window open while it is raining.

Optional drip rail is available through Tern Overland. Call for details.

## Acrylic Window Care

**Following these simple steps will ensure long service life from your acrylic windows.**

1. Always rinse abrasive dust from the window before cleaning.
2. Never use glass cleaner to clean acrylic unless it specifically says it is meant for acrylic. Ammonia based cleaners are especially damaging. A better solution is a few drops of dish washing liquid in water. Dry with a soft towel or chamois.
3. Automated car washes should be avoided due to the possible abrasives in the wash wheels. These are not so good for your paint either!
4. We recommend Novus brand plastic cleaners and polishes:

**Novus 1** is for day to day cleaning. It leaves a bright, static free surface that resists fogging and finger prints.

**Novus 2** is for polishing out fine scratches. It should always be followed by Novus 1

**Novus 3** is for removing deeper scratches. It should always be followed Novus 1 and 2