



## Arctic Tern Euro Door Installation Guide

Thank you for purchasing an Arctic Tern Euro Door from Tern Overland! We hope you have a great experience installing and enjoying the Euro Door for years to come. Read and understand these instructions before proceeding with this installation!

The door requires two people to install. You will need the following tools and supplies:

- Drill / screw gun
- 3/16" and 1/8" drills
- #20 torx bit
- Masking tape and electricians tape
- 2 tubes of Silaprene SolidBond adhesive
- Scotchbrite pad
- Isopropyl alcohol

### Specs:

- Cut out size: 1813mm X 603mm- R90
- Fly Screen size: 1870mm X 673mm
- Aluminum Frame
- Door build up: Laminated powder coated aluminum outer skin, Insulation, ABS interior panel with waste bin, fixed double pane window, blind.
- 2 point locking mechanism

Please watch the video on the website Library page entitled Arctic Tern Wildlands Door Installation & Operation for supporting visuals. The installation process is very similar.



**Step 1: Cutting the door hole:** Measure and cut the door opening in your wall. If your wall is not solid, you may need to create embedded framing around the door opening to support the door. Composite walls can be cored with a hole saw, and a wooden plug glued in where the screws need to go.

**Step 2: Prepare the door for installation:** Tape four #10 flat washers to the glue flange on the door, to space it out from the wall about .030" to .040". This is the thickness required for the glue, and it will ensure that the mounting holes are properly positioned.

**Step 3: Trial fitting:** Lift the door into the cut out. Have a friend open the door and hold the door frame firmly against the wall. Your mounting screws will go through the door frame, and into the door jamb. Using the 1/8" drill, drill holes into the top and bottom of the door frame, and into the door jamb (4 holes total). Enlarge the holes in the aluminum door frame using the 3/16 drill. Secure the door into the door opening using 4 of the torx drive screws provided.

**Note:** The mounting screws must not span an open gap. Spanning a gap may distort the door frame and prevent the door from operating smoothly. If gaps exist where the screws go through, fill the gap with a plastic or wooden shim. Close the door, test for proper latch function, and smooth door operation. If there is any binding in the operation of the door, you may have to adjust or shim the door frame to achieve a perfect alignment between the frame and the door.

**Step 4:** Once the alignment of the door is perfect and all the screws are in place, use the masking tape to mask all around the exterior flange of the door. Masking tape is best for the straight sections, and the electricians tape works well around the corners.

**Step 5:** Remove the door assembly from the wall. Remove and discard the #10 washers. Scuff the wall surface where the glue will bond, as well as the flange on the door. Wipe both with isopropyl alcohol.

**Step 6:** Put a 1/4" bead of Silaprene adhesive around the door flange. Push the door gently into the door opening. Open the door and have a helper support it. Compress the adhesive until the holes that you drilled through the door frame line up, no farther. Start all the screws through the door frame, then snug them down. Be sure to use the silicone gel sealing washers included! Do not overtighten these screws, just good and snug. You should see adhesive evenly squeezing out around the door frame.

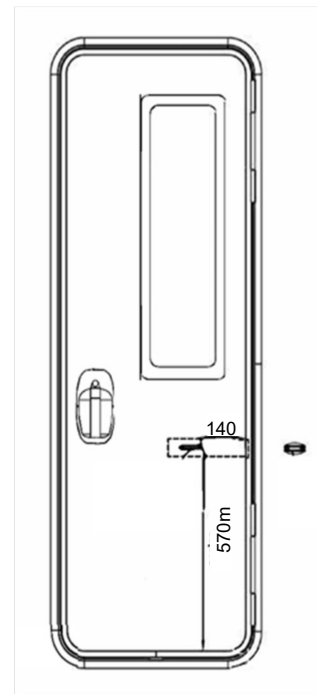
**Step 7:** Gently check the function and fit of the door in the frame one last time. Make any last minute adjustments quickly before the adhesive sets. Close the door and allow the adhesive to cure before subjecting the door to stress.

**Step 8:** When the adhesive is set to a soft rubbery consistency, use a razor knife to cut the squeezed out rubber all around the frame and pull up the masking tape. This will give you a clean perfect glue edge with minimal cleanup.

**Step 9:** A bead of adhesive should be run around the inside of the door to fill the crack and further secure the door.

**Step 10:** Screen door installation: The screen door is secured to the wall surrounding the door using the 6 aluminum angle clips provided. These clips should be installed against the door frame, 3 on each vertical side, with the leg of the clip pointing toward the door. This will provide the correct spacing for the screen door to snap onto the clips. If your entry door is mounted flush with the floor, the screen door can sit directly on the floor. If the entry door is elevated off the floor, a block must be provided to support the screen door. The blocks can be wood or aluminum tube. We have found that having the screen door 1/2" lower than the entry door works well. In any case, the bottom of the screen door **MUST** sit on a solid surface. Once the clips are installed, and a bottom support surface provided, the screen door simply snaps onto the clips.

**Step 11:** Final details. Install the interior white rubber door trim. Make any final adjustments to the door strikers to provide smooth secure latching. See our video describing this adjustment in our website Library. Install the plastic door retainer (male side) in the door at the location shown at right. Extra wooden supports are installed in the door to provide secure mounting for the retainer. The female half may be installed on the camper exterior in the appropriate location.



To lock and unlock door from inside, simply push or pull handle.



Clean the door with a cleaner or polish suitable for powder coating. We highly recommend NOVUS products. You can find out more on our website or give us a call to order.