



Arctic Tern
Wildlands Security Door
Installation Guide



DO NOT attempt to install this entry door before completely reading and understanding **ALL** Instructions and Considerations for Fitment (Found on our website Library Page).

Almost ALL issues of damage, leaking, and improper function are due to improper installation. A great deal of time has gone into creating this document to ensure your installation will be easy and successful.

READ ENTIRE INSTALLATION GUIDE BEFORE ATTEMPTING INSTALLATION.

Issues due to improper installation are not covered under the product warranty.



Arctic Tern Wildlands Security Door Installation Guide

Thank you for purchasing an Arctic Tern Wildlands Security Door from Tern Overland! We hope you have a great experience installing and enjoying the Wildlands 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 for the larger door and 1 for the mid and small doors
- Scotchbrite pad
- Isopropyl alcohol

Please watch the video on the website Library page entitled Arctic Tern Wildlands Door Installation & Operation for supporting visuals.

Step 1: Unpacking the door: This door is supplied with rubber packers installed between the door and the frame to keep the door centered and supported during the installation process. Do not remove these packers until the door is ready for installation. Review the Door Operation Guide enclosed to understand the correct operation of all the latches and locks.

Step 2: 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 3: 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 4: 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 square 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.

The security door catches for the upper and lower deadbolt are easily adjusted to achieve perfect and complete latching. These deadbolts both secure the door and draw the door into the frame for a firm seal. These catches are adjusted at the factory, but fine tuning may be necessary. Once the position of these catches is finalized, tighten all the screws. Drill and add additional screws through the frame at about 12” intervals. Do not use the sealing washers at this step.

Note: There are stainless steel security plates on door at each latch position (top, middle, and bottom). Avoid positioning screws where they would conflict with these plates!

Step 5: 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 6: 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 7: Put a ¼” 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 8: 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.

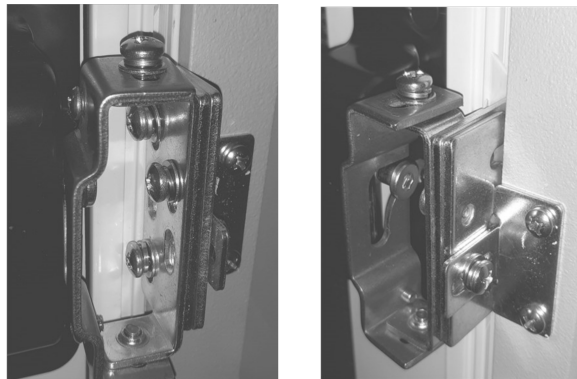
Step 9: When the adhesive is set to a soft rubbery consistency, use a razor knife to cut the squeezed out rubber all around the frame and pull up the masking tape. This will give you a clean perfect glue edge with minimal cleanup.

Step 10: A bead of adhesive should be run around the inside of the door to fill the crack and further secure the door.

Step 11: Install the plastic cover over the striker mechanism. This may need to be trimmed depending on your wall thickness. A Dremel tool with a cut wheel may be used to modify the cover.

Step 12: As the final step, install the security brackets that prevent the door from being forced out of the wall. There is one for the top and the bottom latch. See photo for placement of these supports.

Note: The screws are not provided for the connection to the camper wall or frame. You may use appropriate length screws or rivets. If this location provides no strength for a mechanical fastener, VHB tape may be substituted.



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.