



Arctic Tern
Wildlands Security Door
Installation Guide

**PLEASE READ ENTIRE INSTALLATION GUIDE
BEFORE ATTEMPTING INSTALLATION.**

*Issues caused by 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.

Required tools and supplies:

- Drill / screw gun
- 3/16" and 1/8" drill bits
- #20 torx bit
- Masking tape and electrical tape
- 2 tubes of Polyurethane adhesive for the larger door, or 1 tube for the mid and smaller door.
- Scotchbrite pad
- Isopropyl alcohol



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 place for each screw location.

Step 3: Prepare the door for installation: Tape four #10 flat washers to the glue flange on the door frame to achieve proper standoff for adhesive. This will also ensure that the frame mounting screw holes are properly positioned.

Step 4: Trial fitting: Lift the door into the cut out. Have a second person 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 a 1/8" drill bit, drill holes into the top and bottom of the door frame, and into the door jamb (4 holes total). Using a 3/16" drill bit, enlarge the holes in the aluminum door frame only (not the door jamb). Secure the door into the door opening using 4 mounting 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 need 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: Masking for ease of adhesive cleanup: 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 electrical tape works well around the corners.

Step 6: Remove the door assembly from the wall. Remove and discard the #10 washers. Using a Scotch Brite pad, scuff the wall surface where the glue will bond, as well as the flange on the door. Wipe both with isopropyl alcohol.

Step 7: Place a 1/4" bead of adhesive around the entire 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 pre-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 included silicone gel sealing washers.

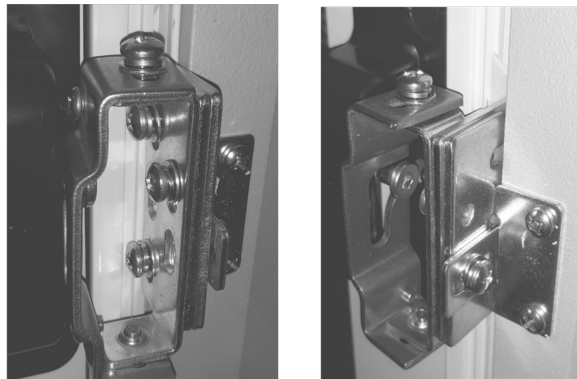
Step 8: Gently check the function and fit of the door in the frame one last time. Make any last minute adjustments quickly before the adhesive sets. Close the door and allow the adhesive to cure before subjecting the door to stress and outdoor elements.

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 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 cutoff wheel may be used to modify the cover.

Step 12: Some versions/model years include security brackets. See photo below for placement of these supports.



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.