



TSB 2025-006 CREW Tent Sealing

Rev01072026

Overview:

This document steps you through the procedure for adding additional, necessary sealing measures to the CREW Roof Top Tent. Please contact Storyteller should you have any questions or need any assistance with these instructions.

Applicable Vehicles: All Crew MODEs

Safety Alert: This procedure requires working on a ladder. Prior to beginning work, ensure the unit is parked on solid, level ground in a safe environment for repair work.

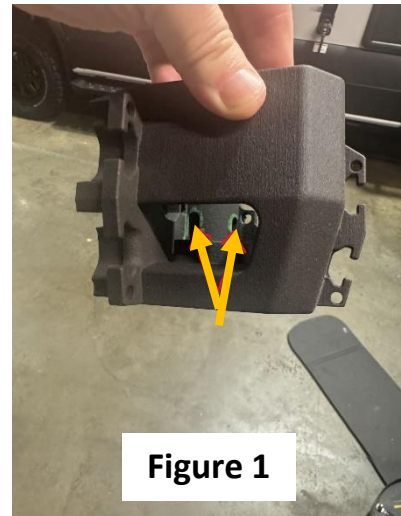
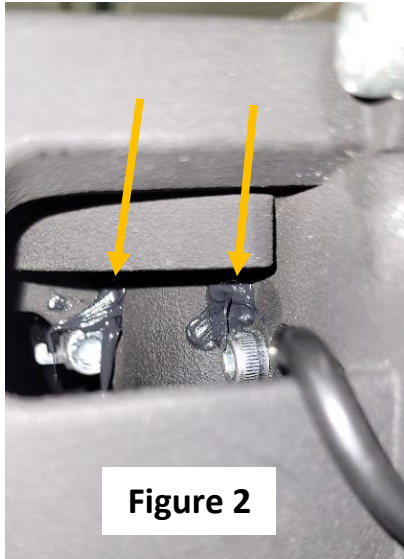
Tools and Supplies Needed: *indicates items provided by Storyteller Overland

- 34 feet - Trim Lok 1/2" Wide Foam Rubber Seal (McMaster # 93085K42)*
- Corner cap set (16 caps)*
- (1) Seal Bond 105 or Permatex 81158 tube*
- 3M Tape Primer 94*
- Caulk Gun
- Wool dauber/foam brush & Q-tip for tape primer application
- Isopropyl alcohol
- Rags
- 4mm Allen wrench (for front shield name plate screws)
- Blue Loctite
- 57 in-lbs. (6.4 Nm) Torque Wrench with 4mm Hex Bit

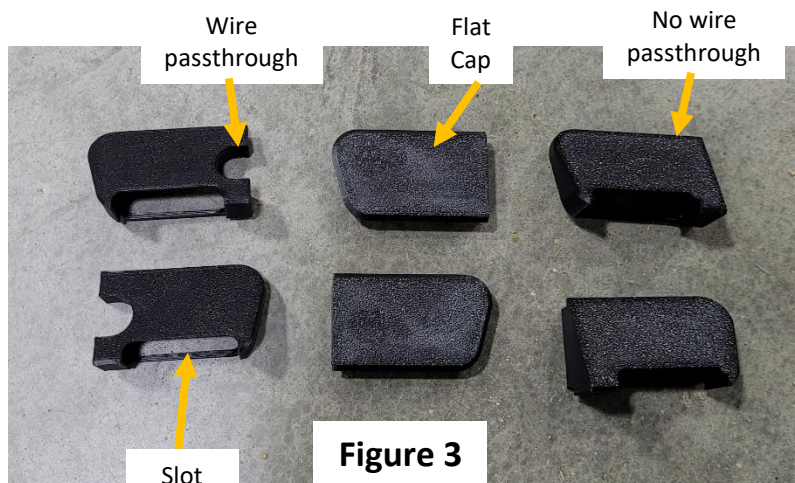
Flat Rate Time: 3.5 hours

Repair Procedure:

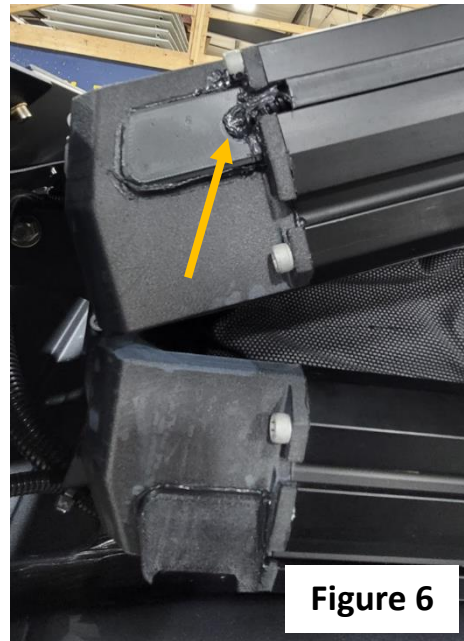
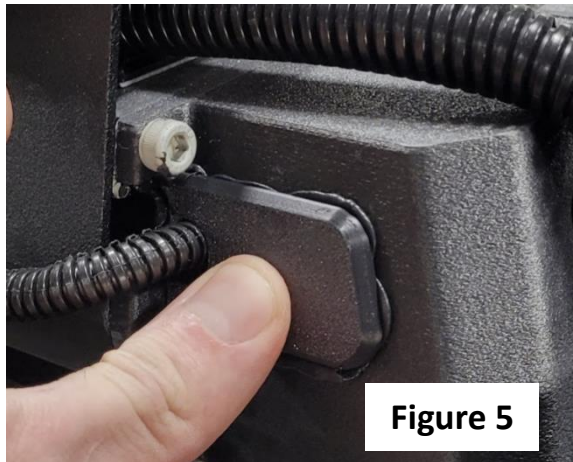
1. Inspect tent corner wiring holes for full coverage of sealant.
 - a. There are 2 wiring holes in each of the 8 corner caps that need to be sealed - 16 holes total. See figure 1 for reference of wiring hole location in each corner cap
 - b. Inspect each corner cap to ensure both wiring holes are filled with sealant to prevent water ingress as shown in figure 2.



- c. If there is incomplete sealant or no sealant present in any of the wiring holes, use the provided sealant to inject sealant into the wiring hole to seal it up. Once all 16 holes are confirmed to be sealed, proceed to step 2
2. Install corner caps to tent corner blocks
 - a. There are a variety of corner caps provided with the repair kit. The flat caps are for the upper corner blocks and the angled caps with a slot on the bottom are for the lower corner blocks. The caps also vary depending on their installation position and whether they have a wire passthrough feature or not as shown in figure 3 for example

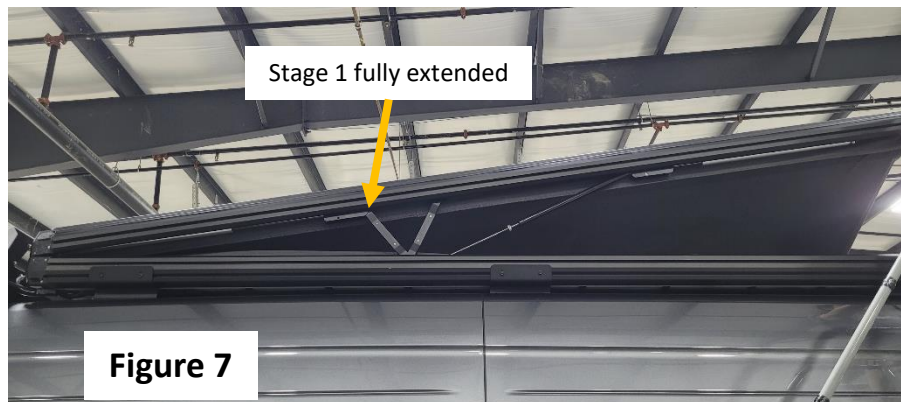


- b. Starting at any one of the tent corners, identify the proper caps to install into the corner block
- c. Apply a small bead of the provided sealant to all 4 sides of the cap just behind the outer face flange as shown in figure 4.
- d. Align and press the cap into the corresponding corner block opening until it is fully seated. Some sealant squish-out is intended and acceptable as shown in figure 5
- e. For corners with a wire passthrough, use the sealant to seal around the wire and inside the wire passthrough, see figure 6
- f. Repeat step 2 for all 16 corner caps on all 8 corner blocks.



3. Open tent halfway

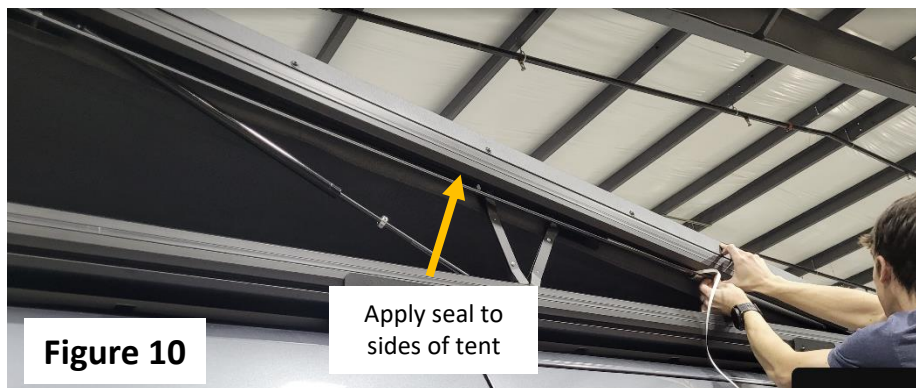
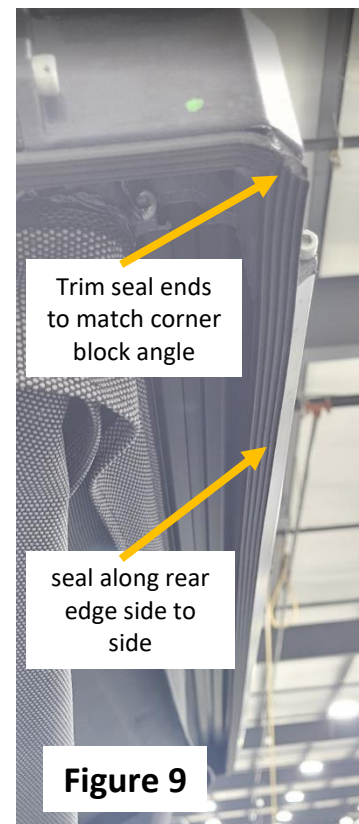
- a. Ensure unit is parked in an area with adequate clearance to fully open the tent.
- b. With M-power system turned on, navigate to the Tent page on the ModeCOM screen
- c. Press the open button then follow the on-screen prompt to initiate the open cycle
- d. When the tent is opened about halfway (stage 1 arm is fully extended and stops moving as shown in figure 7) stop the opening sequence by pressing the STOP button on the screen



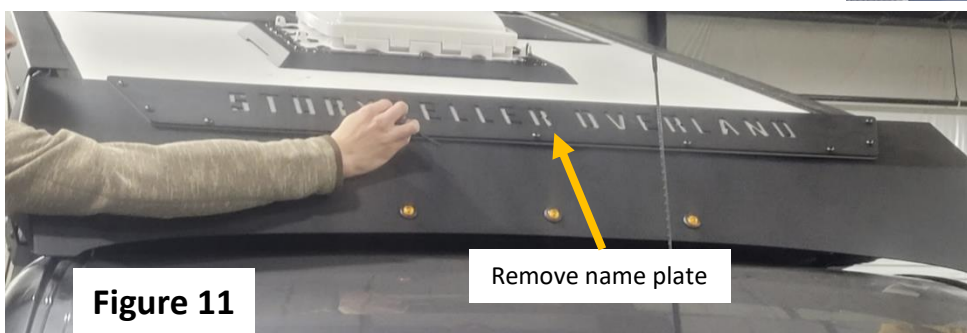
4. Prep tent for applying side and rear seal
 - a. Clean the bottom flat surface of the upper tent corner blocks and extrusions (see figure 8) along the sides and rear of the tent using Isopropyl Alcohol and a clean rag
 - b. Apply a full even layer of 3M tape primer 94 to the cleaned bottom surface of the upper corner blocks and side extrusions
 - c. Allow tape primer to dry for **10 minutes** before proceeding



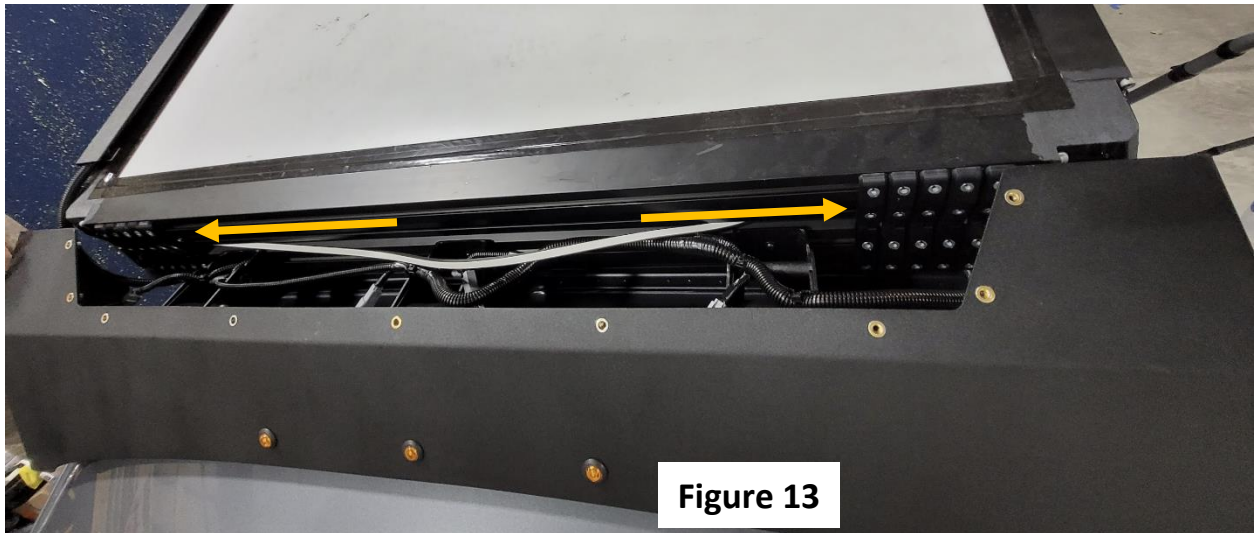
5. Apply seals to sides and rear edges
 - a. Starting with the rear edge of the tent, apply the seal to the bottom flat surface of the corner blocks and extrusion from side to side, see figure 9. **Ensure seal is stuck straight along the flat surface.**
 - b. Trim the seal ends to match the corner block profile
 - c. Next apply the seal along both sides of the tent, see figure 10. Cut the seal to butt into the rear seal at the back of the tent



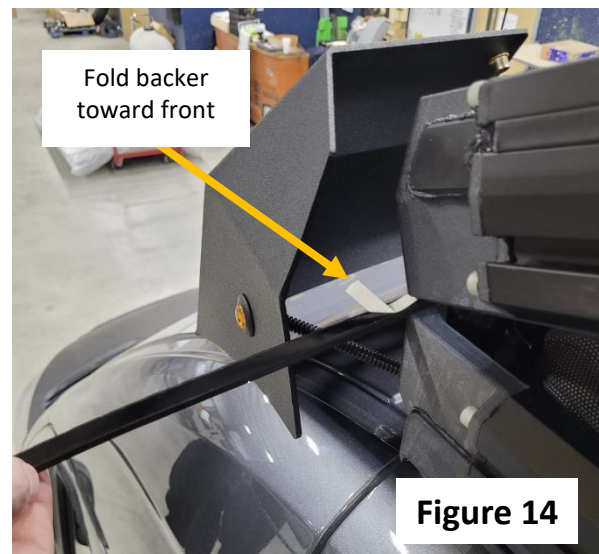
6. Apply seal to front edge of tent
 - a. On ModeCOM screen, continue opening the tent to fully open
 - b. Using a 4mm Allen Wrench, carefully remove the front shield nameplate assembly shown in figure 11. Set plates and hardware aside for reinstallation later



- c. Using a clean rag and isopropyl alcohol clean the bottom flat surface of the upper corner blocks and front edge extrusion that the seal will be applied to
- d. Once cleaned and alcohol is dried, use a Q-tip to apply 3M Tape Primer 94 along the bottom flat surface as shown in figure 12
- e. Allow tape primer to dry for **10 minutes** before proceeding
- f. These next few steps will require 2 people. Once tape primer is dried and before peeling the backer off, feed a 6-foot section of the seal along the front edge of the tent with the adhesive side up. We found it easiest to feed the seal ends from the middle of the front end of the tent behind the tent hinges toward the outside, leaving a little bit hanging loose in the front. See figure 13



- g. If needed, trim the side seals to allow the seal being installed to the front to fully span from side to side. Then, peel about 12 inches of the adhesive backer from one end of the seal and fold the backer toward the front of the van as shown in figure 14.



- h. Pull the seal toward the other side of the van to then peel the adhesive backer off about 12 inches from that end, and fold it toward the front of the van just like in step 6g.
- i. With the adhesive backer peeled about 12 inches from both ends, center the seal along the front of the tent and peel the remaining backer off the seal. See figure 15

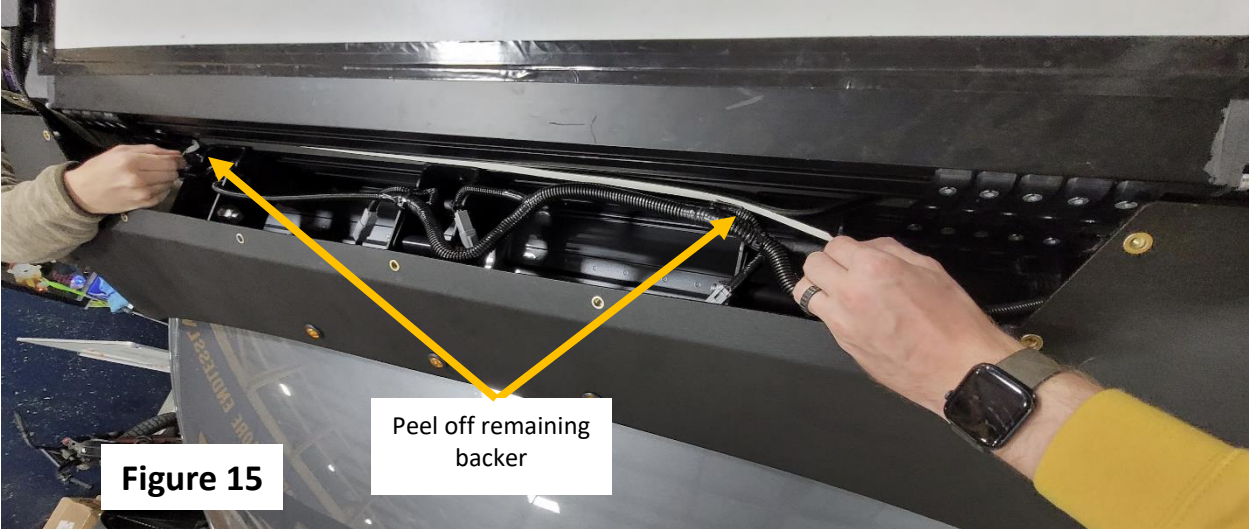


Figure 15

- j. While pulling the seal taut, carefully align the seal with the flat surface of both upper corner blocks directly in front of the side seal and press to stick to the flat surface. See figure 16. Do not worry about pressing the middle of the seal - the tent will be closed to stick the seal in the middle.
- k. **Remove all items from the tent, including the mattress and set aside.** Fully close the tent using the ModeCOM screen to allow the seal to stick across the front
- l. While the tent is closed, use a knife to trim the seal to match the corner block profile as shown in figure 17

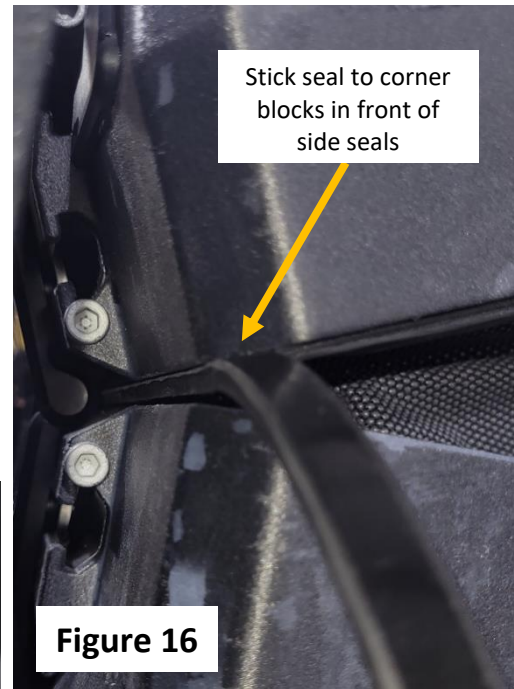


Figure 16

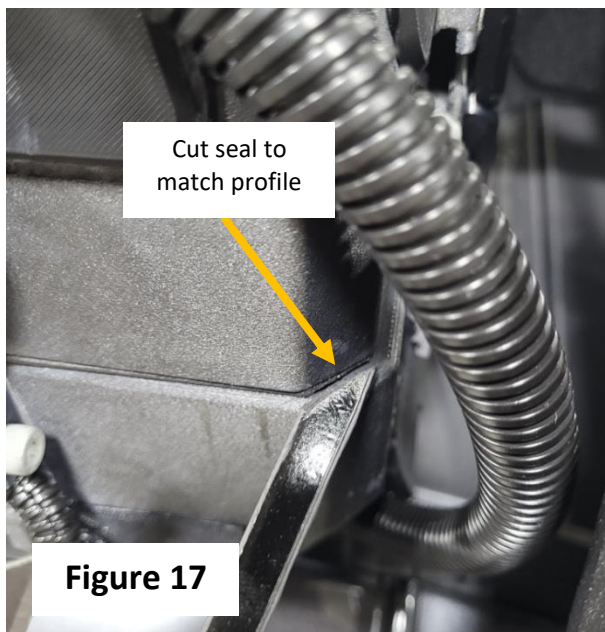
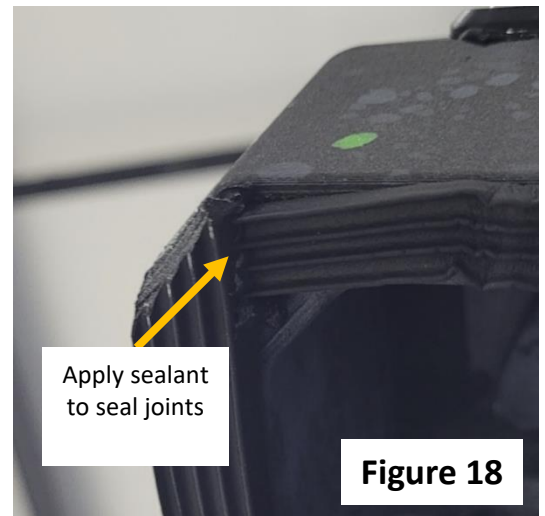


Figure 17

7. Finish seal installation

- a. After the tent has been closed for a few minutes, open the tent again.
- b. Apply the provided sealant at all 4 joints of the seals as shown in figure 18. **Do not apply too much that makes the sealant lump taller than the seals. There should be just enough sealant to seal between the edges of the 2 seals.**
- c. Reinstall the front shield nameplate using blue Loctite on all screws and torque to **57 in-lbs (6.4 Nm)**.
- d. Allow the sealant to cure for at least **1 hour**.
- e. **Ensure all items have been removed from the tent including the mattress.**
- f. After 1 hour of cure, fully close the tent



8. Water Leak Testing

- a. With tent closed, set up a hose to spray on top of the tent to simulate heavy rain as shown in figure 19
- b. Spray water onto the tent for about **2 minutes** then stop the water.
- c. **Without opening the tent**, peek inside the tent for any signs of water leaking. If any leaks are present, identify the area leaking to determine resolution. Reach out to Storyteller Overland with pictures and videos for further assistance if needed.
- d. If no leaks are present, continue the water testing with the tent closed for a period of **10 minutes**.
- e. Again, with the tent closed check inside the tent for any signs of leaks.
- f. If no leaks are present, open the tent to fully inspect tent for any water leaks. When opening the tent for the first time after testing, there will likely be water pooled up on top of the tent. Having all van doors closed when opening the tent is highly suggested.
- g. If any leaks are present, identify the area leaking to determine resolution. Reach out to Storyteller Overland with pictures and videos for further assistance if needed.

