

Installation Instructions



Overland XL Hard Shell Rooftop Tent S/B2984



For Technical Support / Warranty Information please call 1-800-776-0767
Smittybilt, 1017 W 600 N, STE 4, Ogden, UT 84404

Introduction

Thank you for choosing Smittybilt accessories for your overlanding needs! If you would like to view our full range of available accessories, please visit us at www.smittybilt.com



Side and Rear Awnings



Fridges



Defender Low Profile Bed Rack

Important Notes Before Starting



WARNING

Serious injury can occur when working on vehicles alone.

When possible, work with another person to reduce risk of injury from strain or other dangers that can occur when working alone.



IMPORTANT NOTE

Carefully read through this entire instruction manual thoroughly before attempting to install or use this part. Photos are for illustration purposes only and may vary from your vehicle. Product may vary from images.

The Overland XL Hard Shell Tent is designed to easily mount to most roof rack systems or on an aftermarket rack / crossbar system. This tent weighs 175lbs. Generally, most OE roof racks will have a capacity of 150-200lbs while the vehicle is in motion (dynamic rating). However, when the vehicle is parked and you are using your Smittybilt Overland XL Hard Shell Tent you are applying a static load which is easier to support. **Always check with the manufacturer of your vehicle and/or roof rack system to determine the applicable weight limitations as they vary vehicle to vehicle.** You will want to make sure that the static rating of your roof rack can handle the weight of the tent and the people that will be inside it. Make sure your roof rack can support the downward loads, upward loads, and shock loads.

A MINIMUM OF 3 CROSSBARS IS REQUIRED.

If you need a roof rack system or a higher capacity rack check with your local supplier for an aftermarket rack, such as Smittybilt, Thule®, or Yakima®.

Check local, state, and federal laws regarding roof mounted load capacities. Always follow the laws specific to your area.



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Box Contents

1



2



3



4



5



6



7



8



S/B2984 - Overland XL Hard Shell Tent

ID	Part Description	QTY
1	Overland XL Hard Shell Tent	1
2	Window Rod	6
3	Shoe Bag	1
4	Lantern	1
5	Interior Bungee	4
6	C-Shaped Aluminum Pole	2
7	Slide Plate	8
8	Base Plate	4
	LED Strip Kit	1
	Interior Crossbar Kit	1
	Roof Bar Kit	1
	M8-1.25x55mm Bolt	8
	M8-1.25 Nylock Nut	8
	Extrusion Rail End Cap	4



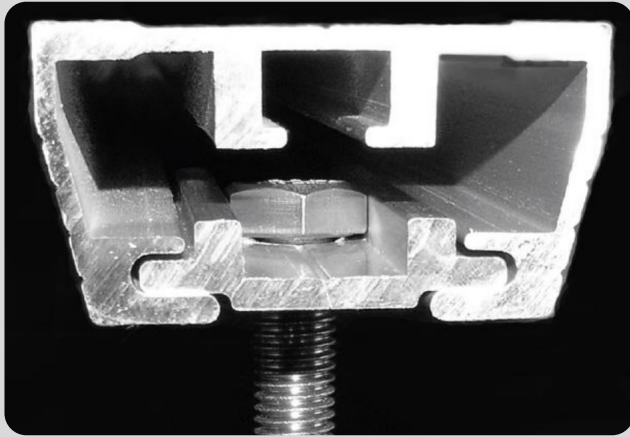
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2984 Tent Mounting



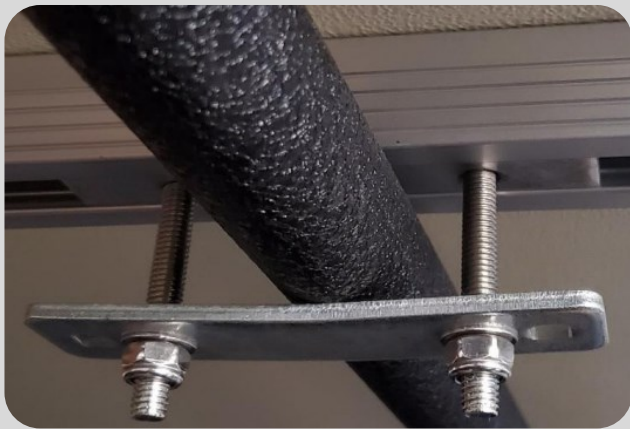
Step 1:

With assistance, carefully lift the tent onto the vehicle and position it to your liking. The crossbars on your vehicle should be evenly spaced, having too much overhang or too much space between crossbars may cause damage to the tent. A minimum of 3 crossbars is required. You do not need to attach hardware to the middle crossbar, but one needs to be present to help support the tent.



Step 2:

Place (1) **M8-1.25x55mm Bolt** into (1) **Slide Plate**. Slide it into the mounting extrusion. Each mounting extrusion will get (4) **Slide Plates** and (4) **M8-1.25x55mm Bolts**.



Step 3:

Attach the tent to your roof rack or cross bars in four places. One set per corner. Use the **Slide Plates** with **M8 Bolts** on either side of the crossbar, then use the **Base Plate**, **M8 Flat Washers**, and **M8-1.25 Nylock Nuts** to wrap around and grab onto the crossbar.

Do not over tighten the nuts as this can cause the bolt head to strip the aluminum slide plate.

Periodically check the torque of all hardware.



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2984 Tent Setup



Step 1:

Undo the 4 straps holding the shell closed. There are two on the long side of the tent and one on each of the short sides.



Step 2:

Open the shell slightly and find the long pull strap attached to the lid. While holding the strap, give the lid a hard push open. Brace yourself and slowly let the strap out as the shocks push the lid open the rest of the way.



Step 3:

Remove the **Window Rods, Shoe Bag, Hardware Kit, and C-Shaped Aluminum Poles** from the tent and set aside.



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2984 Tent Setup



Step 4:

Grab the end of the ladder and pull it outward and downward using the ladder as leverage to open the tent.

Note: This step may require an external device to get enough height to reach the tent ladder. Always use extreme caution.



Step 5:

Pull back the elastic that is wrapped around the front of the tent. A **Window Rod** can be used to assist in this process.



Step 6:

Lock both latches located on the underside of the tent.



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2984 Tent Setup



Step 7:

Adjust the ladder to your desired height.



Step 8:

Install the window rods into the window rod holders on the base of the tent at a 45° angle. The longer window rods will go at the front of the tent. The shorter window rods will go on both sides of the tent. Then, bend the window rods and attach the hook end to the eyelets on the rainfly.



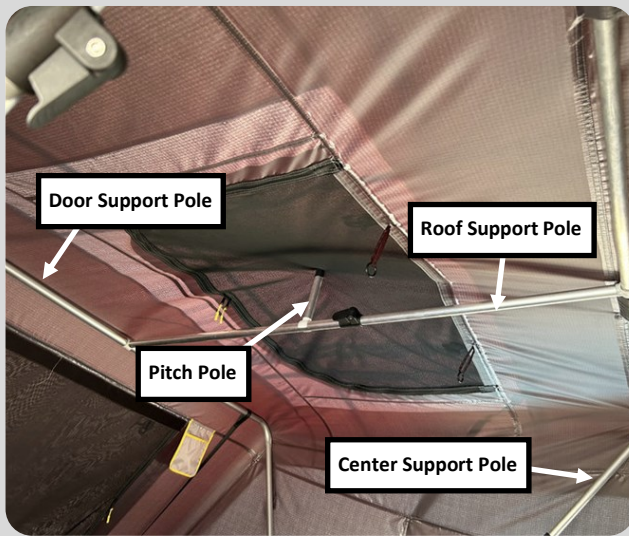
Step 9:

Climb inside the tent, and extend the center support pole it reaches the Velcro on the roof. Use the Velcro on the roof to secure it in place and lock the latches. Install the C-Shaped Aluminum Poles onto the shocks.



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2984 Tent Setup



Step 10:

Attach the roof support pole to the center support pole, then extend the roof support pole and attach the other end to the pole near the door. Then close the latch to lock the pole in place. Attach the short pitch pole to the roof support pole so that it pushes the center of the skylight up.



Step 11:

Open the shelf, by pulling up and outward from the bottom. Be sure the supports on both sides are on the same notch on each track.



Step 12:

Attach the **Shoe Bag** to the exterior of the tent by hooking the Velcro straps through the D-rings located on the right side of the ladder.

Setup is now complete.



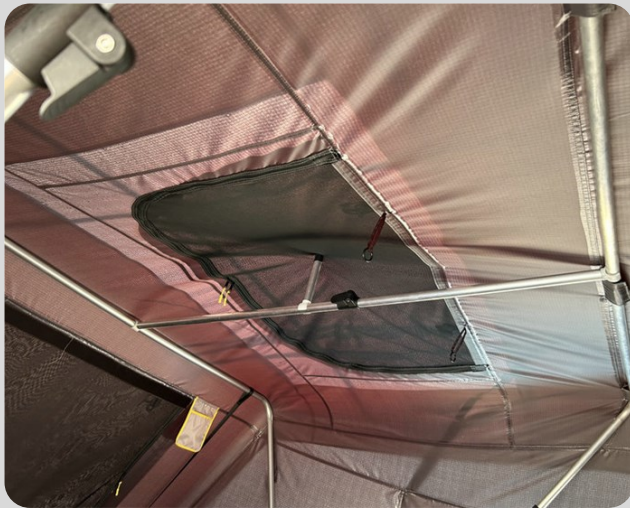
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2984 Tent Teardown



Step 1:

Remove the **Shoe Bag** and set aside. Collapse the internal shelf.



Step 2:

Remove the roof support pole and pitch pole. Collapse the roof support pole to its smallest size then lock the latch. These poles can be left on the mattress towards the rear of the tent.



Step 3:

Unhook the Velcro from the center support pole, unlock the latches to collapse the pole. Then, fold the pole downward. Relock the latches.



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2984 Tent Teardown



Step 4:

Remove the **C-Shaped Aluminum Poles** from the shocks.



Step 5:

Remove all 6 **Window Rods**, then use one of the window rods to assist pulling the bungee strap around the center of the tent skin. Then, place the **Window Rods** inside the window rod storage bag.



Step 6:

Release the two latches on the base of the tent.



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2984 Tent Teardown



Step 7:

Use the ladder to push the folding section of the tent up and into the shell. Then, collapse and strap the ladder. Put all of the components on either side of the ladder.



Step 8:

Use the lid strap to pull the shell of the tent closed. This may take some strength as you overpower the shocks.



Step 9:

Work your way around the tent being sure to tuck the tent skin inside the shell. Then, reattach all 4 straps to secure the tent closed.

Teardown is now complete.



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Guidelines and Maintenance

Handling Guidelines

- **Increased Height** - You should note that mounting a tent on top of your vehicle will increase the overall height. Measure the vehicle and tent height as this information will be handy for parking structures, drive-thrus, etc.
- **Center of Gravity** - The attachment of a rooftop tent to your vehicle (similar to any other load on your roof rack) will its center of gravity. Adjust your driving accordingly.
- **Pre/During/Post Trip Inspections** - Regularly check that all nuts and bolts attaching your rooftop tent to your vehicle are tight and in good shape. Check all the tent hardware, such as the mounting extrusion, hinge, and ladder mount hardware. Every nut and bolt should be inspected. This is an important step and must be done regularly. Failure to maintain the tent may void the warranty.
- **Weather Conditions** - The rooftop tent is not made for extreme weather. Excessive rain, wind, snow, or other extreme conditions can affect and/or damage the tent. Always use your judgement prior to use in inclement weather.
- **Overhead Obstructions** - Before opening the tent, be sure the area is free from any overhead obstructions, such as power lines or tree branches. Failure to do so could result in damage, injury, and/or death.
- **Closing the Tent** - To prevent mold and mildew from developing inside the tent, never put the tent away wet. Allow the tent to completely dry before closing it.
- **Getting In** - Do not put unnecessary force on the tent skin, poles, or other components not intended to take the load. Serious damage and or injury can occur.
- **Seasoning** - Be sure to season the tent prior to use.

Storing the Tent

1. If storing the tent off the vehicle, ensure the tent is packed away completely dry.
2. Be careful not to drag the tent on the ground. This can cause damage to the aluminum shell.
3. Do not store directly on the floor.
4. Do not place items on top of the tent.
5. If possible, keep the tent elevated off the ground.

Maintenance/Care Instructions

1. Clean only with cold water and a soft brush. Do not use soap or detergent as this will remove the waterproofing compounds.
2. Do not expose to gas/petrol, oil or solvents.
3. New polycotton fabrics will initially experience some weeping through the seams. This will reduce over time as the fabric cures.
4. Well-worn tents may be re-proofed using a good quality waterproofing solution. This is highly recommended to be re-applied every 1-2 years depending on how much you use or clean the tent. Some waterproofing agents may also contain UV inhibitors. Companies such as 303® Products, Star Brite®, and KIWI® offer polycotton safe waterproofing solutions.
5. **It is recommended to season your tent before your first trip. Completely setup the tent on a level surface, prior to installing on a vehicle. Then, remove the rainfly from the tent and all the contents from inside the tent. With a hose, wet down the tent lightly, focusing on the areas that are stitched. Waterlog the fabric as best you can. Let the tent dry completely on its own, do not use heat or compressed air. Avoid direct sunlight, this process may take a day to complete. Repeat this process two more times if necessary. This process allows the canvas and threads to shrink and expand as much as they can effectively sealing the seams. Do not be alarmed if the tent leaks during the first or second time you season the tent, this is normal. Liquid seam sealer can be applied after the third seasoning. Season the rain fly by hanging it up and spraying both sides of the fabric with water and following the same procedure as the tent.**
6. Zippers can be lubed with a silicon spray or bee's wax. This keeps them lubed up and helps with water resistance. Clean zippers with a soft brush.
7. If the fabric needs cleaning, use a mild detergent mixture (1 cup of Lysol® All-Purpose Cleaner to 1 gallon of warm water) use with a soft brush to clean the fabric as needed. Rinse off the tent with a rinse solution of (1 cup lemon juice, 1 cup sea salt to 1 gallon of warm water). To finish, rinse with cool water and allow to dry completely before storing. Re-proof the tent if needed.
8. Stainless steel hardware is less likely to stain or corrode than most other steel hardware but it still needs to be maintained. After you check torque on bolts, wipe down with a cloth and Break-Free® CLP

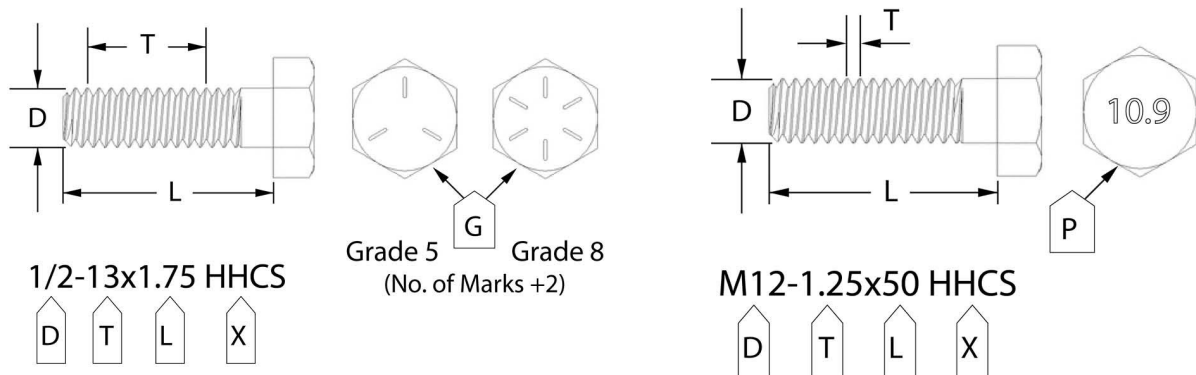


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Bolt Torque Specifications

Use this only as a guide for hardware without a called out torque specification in the instruction manual.

Bolt Torque and ID						
Decimal System			Metric System			
<i>All Torques in Ft. Lbs. Maximums</i>						
Bolt Size	Grade 5	Grade 8	Bolt Size	Class 9.8	Class 10.9	Class 12.9
5/16	15	20	M6	5	9	12
3/8	30	45	M8	18	23	27
7/16	45	60	M10	32	45	50
1/2	65	90	M12	55	75	90
9/16	95	130	M14	85	120	145
5/8	135	175	M16	130	165	210
3/4	185	280	M18	170	240	290



G= Grade (Bolt Strength)
 D= Nominal Diameter (Inches)
 T= Thread Count (Threads per Inch)
 L= Length (Inches)
 X= Description (Hex Head Cap Screw)

P= Property Class (Bolt Strength)
 D= Nominal Diameter (Millimeters)
 T= Thread Pitch (Thread Width, mm)
 L= Length (Millimeters)
 X= Description (Hex Head Cap Screw)



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Notes and Disclaimers

Product cleaning and maintenance instructions

Stainless Steel Finish – Aluminum polish may be used to polish small scratches and scuffs on the finish. Mild soap, window or glass cleaner may be used to clean the finish. Dual state powder coat finish – Mild soap, window or glass cleaner may be used to clean the finish. In order to protect the finish, you may wax your product on a regular basis with pure carnauba automotive wax. Do not use any types of soap, polish or wax that contains abrasive that could damage the finish. Textured coated finishes should be cleaned with a mild soap on a damp sponge. Do not apply polish or wax that requires to be removed by means of buffing. This type of wax is commonly used at car wash facilities. Chrome Finish – Mild soap, window or glass cleaner may be used to clean the finish. In order to protect the finish, you should wax your product on a regular basis with pure carnauba automotive wax. Do not use any types of soap, polish or wax that contains abrasive that could damage the finish.

SMITTYBILT ADVANTAGE WARRANTY

5-YEAR WARRANTY

Smittybilt Automotive Products, LLC (SAP) warrants to the original purchaser that (a) the physical components (e.g., metal components, welds, etc.) of any SAP **Overland XL Hard Shell Tent** will be free of defects in material and workmanship for a period of 5-years from the date of purchase of the tent. This warranty applies only to the original purchaser of the tent and is non-transferable. To obtain any warranty service, you must provide SAP with a proof of purchase and date of purchase that is acceptable to SAP, such as a copy of your purchase receipt.

This warranty does not cover labor of part replacement of the tent. SAP will, at its sole discretion, provide replacement part(s) for a defective tent or component, provided this is done within the warranty period. To request assistance under warranty, one must call or email using the phone number or email at the bottom of this page. This warranty does not apply (1) wearable components; or (2) if the tent has been damaged, including, but not limited to: abuse, misuse, collision, modification, misapplication, improper installation, or improper service. This warranty is void if any SAP serial number has been removed or defaced; or if the tent is used for any commercial, industrial, or rental applications. This warranty only applies to tent bought, sold, and used within the United States or Canada unless otherwise specifically agreed in writing by SAP.

THE WARRANTY SET FORTH ABOVE IS THE ONLY WARRANTY. THERE ARE NO OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING BUT NOT LIMITED TO IMPLIED WARRANTIES OF MERCHANT ABILITY OR FITNESS FOR A PARTICULAR PURPOSE. ANY IMPLIED WARRANTY WHICH BY LAW MAY NOT BE EXCLUDED IS LIMITED TO A DURATION OF ONE (1) YEAR FROM THE DATE OF ORIGINAL RETAIL PURCHASE OF THE PRODUCT. No SAP dealer, agent, or employee is authorized to make any modification, extension or addition to this warranty. SAP SHALL NOT BE LIABLE FOR SPECIAL, INDIRECT, INCIDENTAL OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, LOST PROFITS, DOWN TIME OR LOSS OF USE) UNDER ANY LEGAL THEORY, EVEN IF SAP WAS ADVISED OF THE POSSIBILITY OF SUCH DAMAGES. Some states do not allow the exclusion of implied warranties or the exclusion or limitation of liability for incidental or consequential damages, or limitations on how long an implied warranty lasts, so the above limitation or exclusion may not apply to you. This Warranty gives you specific legal rights. You may also have other rights that vary from state to state. SAP reserves the right to change product design without notice. In situations in which SAP has changed a product design, SAP shall have no obligation to upgrade or otherwise modify previously manufactured products. For warranty inquiries contact SAP at:

Smittybilt Automotive Products, LLC

Customer Service Department

Call 1-800-776-0767 or Email info@smittybilt.com



WARNING: Cancer and Reproductive Harm
www.P65Warnings.ca.gov



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