



LX27 Gen2 Clamshell Roof Top Tent Instructions Manual



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For any further queries, please contact your international dealer.

1 Getting Started

Thank you for purchasing your LX27 Gen2 Clamshell Roof Top tent. The Bush Company have invested significant resources in terms of time and effort to ensure that your LX27 Gen2 Clamshell Tent reaches the standards of quality, practicality and reliability that The Bush Company is renowned for.

Before getting started with installation of your LX27 Gen2 Clamshell tent please make sure that the items listed below are present:

1.1 Product Contents

- 1 × LX27 Gen2 Clamshell Roof Top Tent
- 1 × Mattress with removable canvas cover
- 1 × Telescopic ladder with storage bag
- 1 × Ladder mounting bracket (pre-installed on tent)
- 1 × Ladder mounting bracket (inside ladder bag)
- 2 × Gas lifting struts (K4153)
- 2 × Tri-colour LED light bars (1000 mm)
- 2 × Small spring rods
- 1 × Telescopic support pole
- 2 × Foot rail extrusion mounts
- 12 x M8 x 25 Square Head Bolt
- 12 x M8 x 24 Body washers
- 12 x M8 Nyloc nuts
- 12 x M8 T-washers
- 1 x Flush mount bracket set - inside ladder bag:
 - 6 x flush mount brackets.
 - 12 x M8x20 Square Head screws.
 - 6 x M8x25 Square Head screws.
 - 12 x M8 Flat washers.
 - 6 x M8 Body Washers.
 - 18 x M8 Nyloc nuts.
 - 18 x T-washers.

If any of these items are not present, please contact The Bush Company immediately by email and we will send out the missing component. Please provide the serial number of your LX27 Gen2 Clamshell tent when communicating with The Bush Company, it is stamped to the gusset at the front section of the roof of the tent.

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1.2 What You Need for The Install

The Bush Company or one of our stockists can assemble and install your tent, but if you choose to install the rooftop tent yourself, please make sure that you have done the due-diligence on your intended install to ensure that it does not create any safety issues and ensure that you follow standard safety precautions when undertaking the install.

1.2.1 Tools Required

The following tools are recommended for the install.

- 13mm & 14mm ratchet spanners
- Ratchet with 13mm socket
- Ratchet extension
- 5mm Allen Key
- Anti-seize grease (e.g.: Lanotec Type A-Grease or Nickel Anti-Seize)
- Ratchet strap – to assist with compressing gas struts for fitment

Please be aware that the tent is a heavy item and cannot be safely moved by one person. When it comes to raising the tent in the air for installation please ensure that you are using a rated lifting device and that all relevant safety procedures are adhered to.

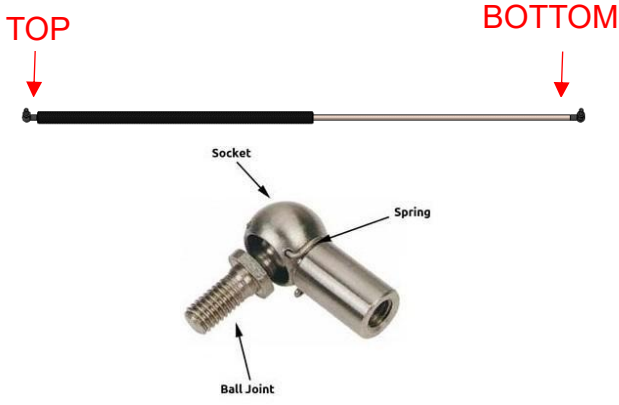
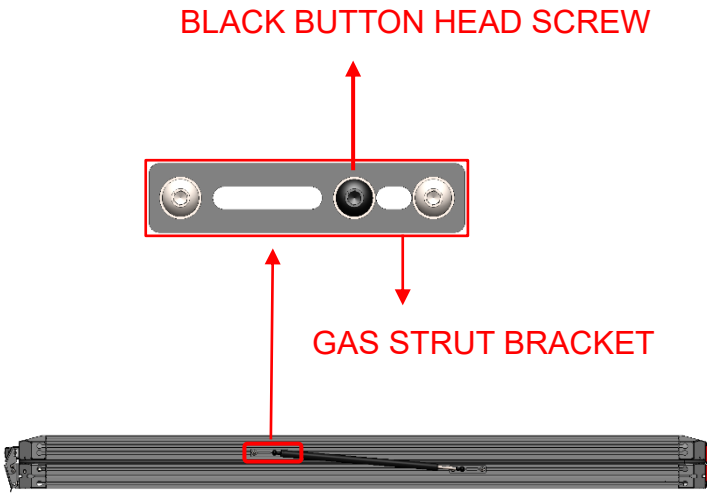
1.3 Safety Information

Before installing or using your rooftop tent, please read the following safety information carefully.

- Ensure your vehicle roof rack or load bars are rated to carry the **combined weight of the tent and occupants**.
- Always secure the ladder correctly before entering the tent.
- Never drive with the tent open.
- Check all mounting hardware regularly during travel.
- Do not exceed the recommended **dynamic roof load rating of your vehicle**.
- Ensure electrical connections are made to a **regulated 12V DC power source only**.

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2 Install the Gas Struts To Your Tent

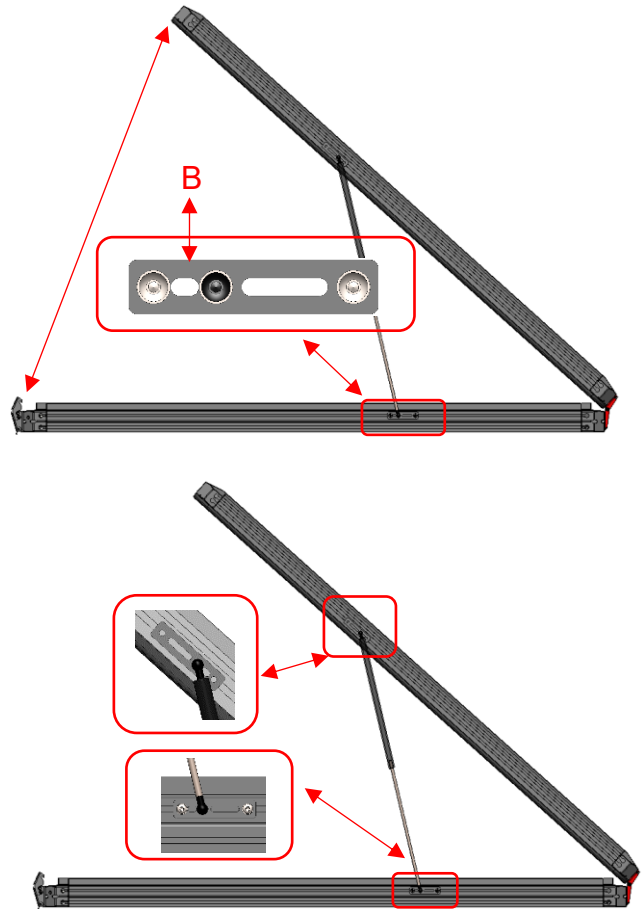
<u>INSTRUCTION</u>	<u>PRESENTATION</u>
<u>STEP 1:</u> • OPEN THE TENT AND REMOVE THE GAS STRUTS, LADDER AND SPRING RODS. • CLOSE THE TENT.	
<u>STEP 2:</u> • IDENTIFY THE TOP OF THE GAS STRUT. • REMOVE THE SPRING FROM THE BALL AND SOCKET END POINTS • REMOVE THE BALL JOINTS FROM BOTH ENDS OF THE GAS STRUTS.	
<u>STEP 3:</u> • APPLY THE FOLLOWING TO BOTH SIDES OF THE TENT. • REMOVE THE BLACK BUTTON HEAD SCREW FROM THE GAS STRUT BRACKET ON THE TOP SHELL. • REMOVE THE EXISTING WASHER & PLACE IT OVER THE TOP PART OF THE GAS STRUTS' THREAD. • SCREW THE TOP PART OF THE GAS STRUT INTO THE NUT, HELD IN PLACE BY THE BLACK BUTTON HEAD SCREW. ENSURE TO PROPERLY FASTEN THE BALL JOINT.	

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LX27 Gen2 Clamshell Roof Top Tent

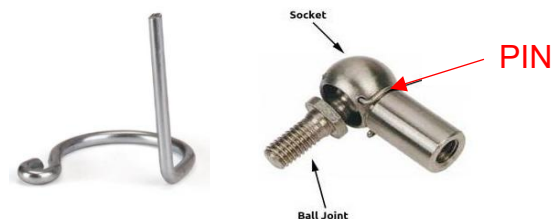
STEP 4:

- OPEN THE TOP SHELL UNTIL THE CANVAS HAS REACHED ITS MAXIMUM TENSION.
- USE THE PROVIDED TELESCOPIC POLE TO MAINTAIN THE OPEN POSITION.
- WITH THE GAS STRUT HANGING FROM THE TOP SHELL, USE A RATCHET STRAP TO COMPRESS THE GAS STRUT. THIS WILL ENABLE YOU TO ALIGN THE THREAD ON THE BOTTOM OF THE STRUT, WITH THE RELEVANT NUT POSITION ON THE BOTTOM SHELL.
- REPEAT THE GAS STRUT FASTENING PROCESS FOR THE BOTTOM SHELL.



STEP 5:

- ENSURE TO SECURE ALL 4 BALL JOINTS ON THE GAS STRUTS VIA THE SPRING LOCKING PIN.

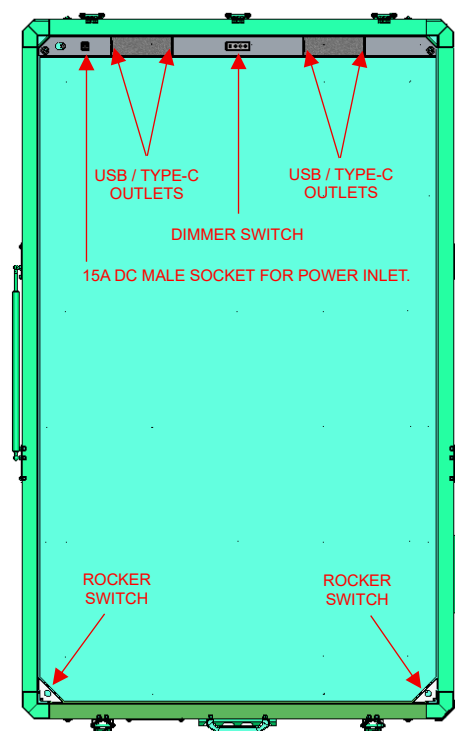
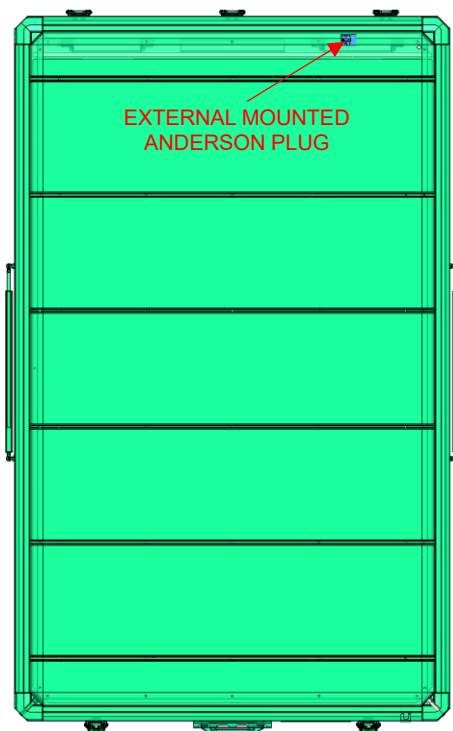


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3 Tent Electrical Package

Your rooftop tent is supplied with the following electrical components and features:

- Two internal **Tri-Colour LED light bars** mounted inside the tent, providing **White (5000K), Amber, and Red lighting modes** for adjustable illumination depending on camping conditions. The lights connect via **4-pin connectors** and are mounted securely using screw fixings.
- A **central dimmer control module** allows the user to adjust the brightness of the LED lighting system as well as the colour of the lights. The dimmer connects to the lighting harness and distributes power to the lighting circuits through a two-way splitter.
- Two **rocker switches** are installed on the latch side corners of the tent, to independently control the power of the lighting circuits within the tent. Each switch is dedicated to one light only.
- The tent electrical harness includes **dual USB charging outlets and 12V cigarette lighter sockets (12–24V rated)**, allowing convenient charging of mobile devices, lighting accessories, and other camping equipment inside the tent.
- The entire electrical system is powered through a **50A Anderson plug connection**, which feeds the internal harness via a **fused power supply** and splitter wiring system to safely distribute power to the outlets and lighting circuits.
- Anderson plug power connection point located under the front left-hand side of the tent.
- **Note:** The electrical system operates on **12V DC power**. Always ensure the tent is connected to a suitable regulated power source. When installing a permanent power connection, 20A inline fuse must be installed within 300mm of the power source to ensure that the circuit is correctly fused and that appropriate gauge wiring is used to prevent overheating or voltage drop.



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4 Mounting Your Tent

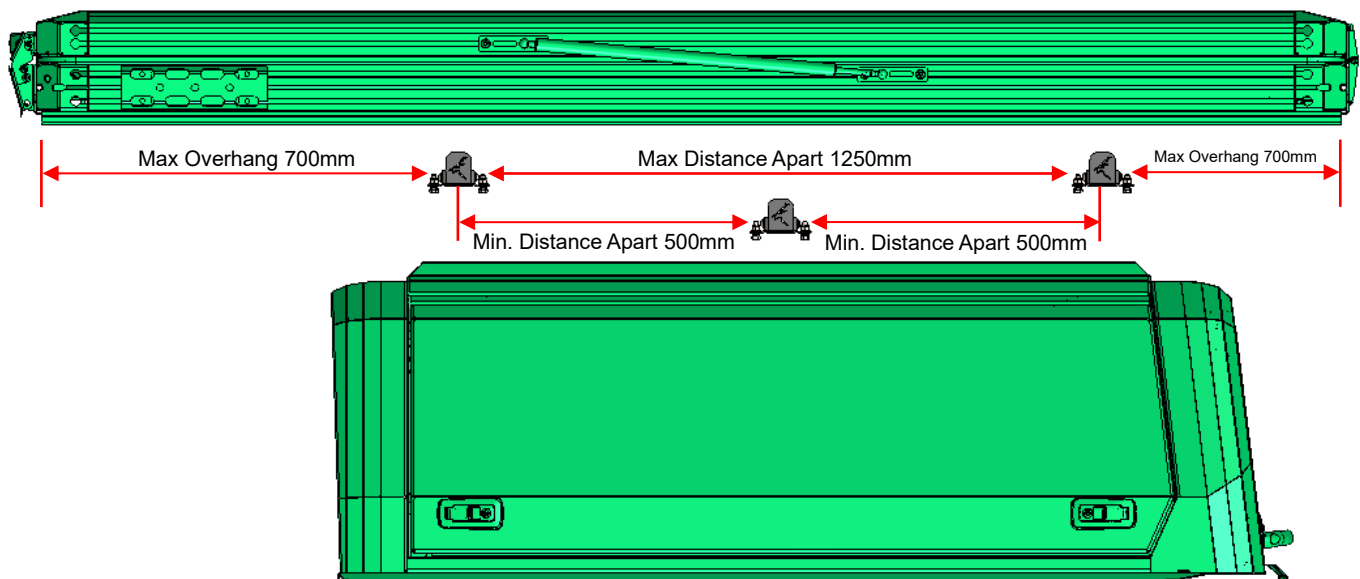
Before installing your tent, you must ensure that your chosen mounting solution (load bar, roof rack etc.) can support the weight of the tent in dynamic load conditions.

The Bush Company do not recommend mounting the tent without full support running horizontally across the full width of the tent. If this is not done it will void the warranty on your tent.

4.1 Positioning Your Tent

When deciding on the position of your rooftop tent there are some specifications which must be considered:

- Unsupported Overhang – 700mm at the front and rear of the tent. **IMPORTANT:** exceeding these limits will void the warranty on your tent.
- If only two load bars are used (three are recommended), they must be positioned no more than **1250mm apart centre-to-centre**.
- If the maximum distance between the front and rear support underneath the tent exceeds 1250mm then a third support **MUST** be used, with a minimum distance from the front and rear supports of 700mm.



On a ute/pickup, due to the difference in flex between the cab and the tray/canopy, you must not fix the tent across the two, as this will result in damage to the tent and also your vehicle.

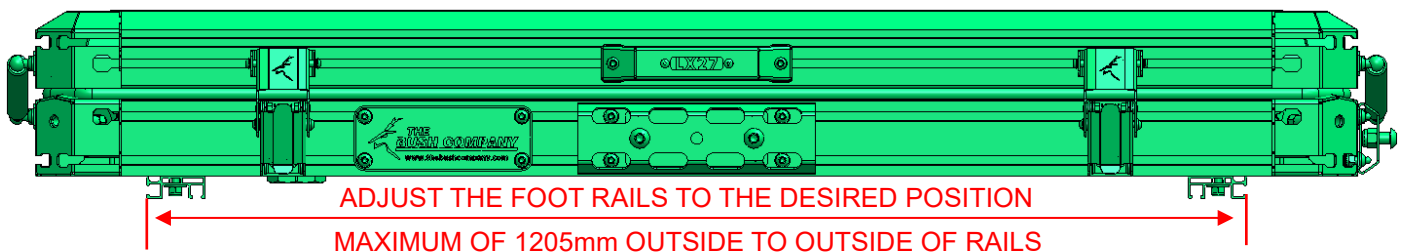
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4.2 Installation Options

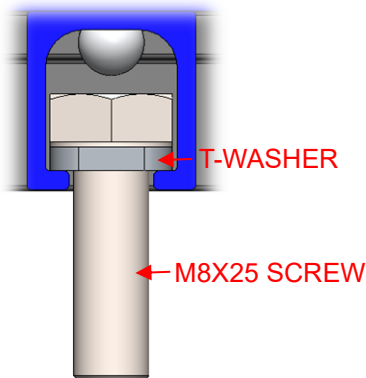
As a standard issue fitment solution, each tent is supplied with two full length foot extrusion rails and 6 x flush mount brackets. The horizontal rails on the underside of the tent provides the option to adjust the foot extrusion rails position according to your desired pitch.

Both foot rails are equipped with pre-drilled holes, which aligns with the horizontal rails on the underside of the tent. Fit the foot extrusion rails to the horizontal rails by installing a M8 x 25mm screw and T-washer into each horizontal rail on both sides of the tent. Align the pre-drilled holes in the foot extrusion rails with the screws, then secure each screw by means of a M8 body washer and M8 Nyloc nut.

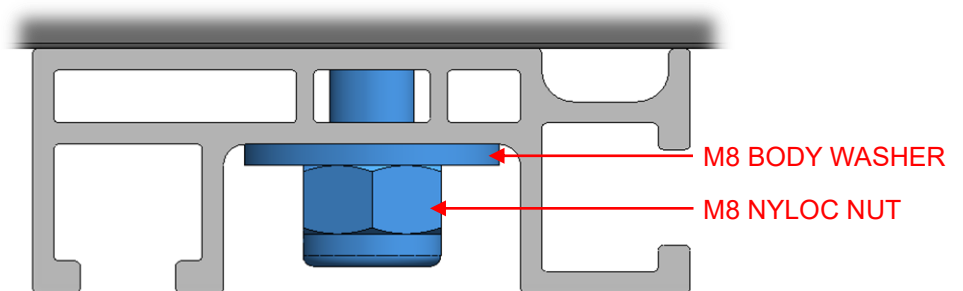
The Flush Mount Brackets can then be used to secure your tent to your chosen platform or load bars. Ensure to fit 3 brackets per side of the tent.



HORIZONTAL RAILS



TENT FOOT EXTRUSION



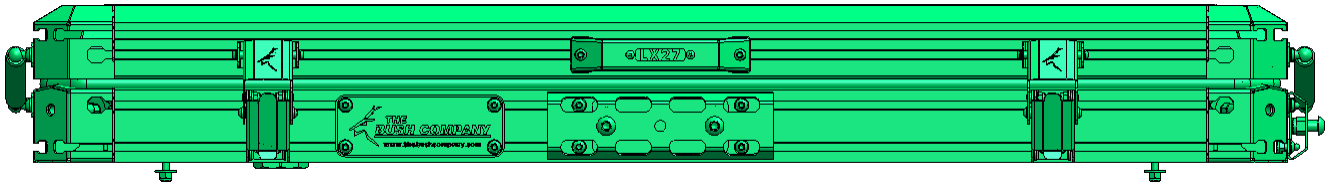
- SLIDE A M8X25 AND T-WASHER INTO EACH SIDE OF EACH HORIZONTAL RAIL.
- PLACE THE FOOT RAILS IN POSITION BY ALIGNING THE PRE-DRILLED HOLES WITH EACH SCREW.
- CONFIRM THAT THE FOOT RAILS ARE IN YOUR DESIRED POSITION.
- SECURE EACH SCREW WITH A M8 BODY WASHER AND M8 NYLOC NUT.
- ONCE THE FOOT RAILS ARE SECURED IN POSITION, PLACE AN END CAP ON EACH OF THE FOOT RAILS ENDS.

IMPORTANT: the supplied nuts and bolts are stainless steel, so it is essential to use an anti-seize product on the treads of the bolts (e.g.: Lanotec Type A grease, Nickel Anti-Seize Grease). We also recommend **NOT** to use power tools when tightening the bolts to reduce the risk of seizing an over tightening.

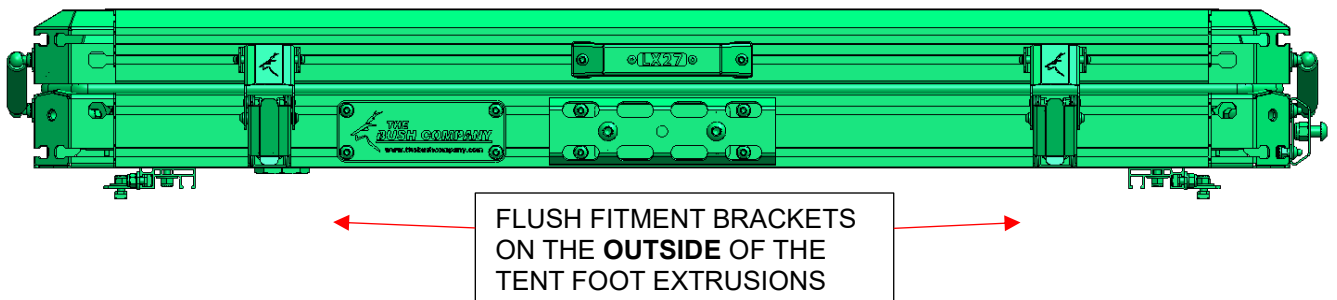
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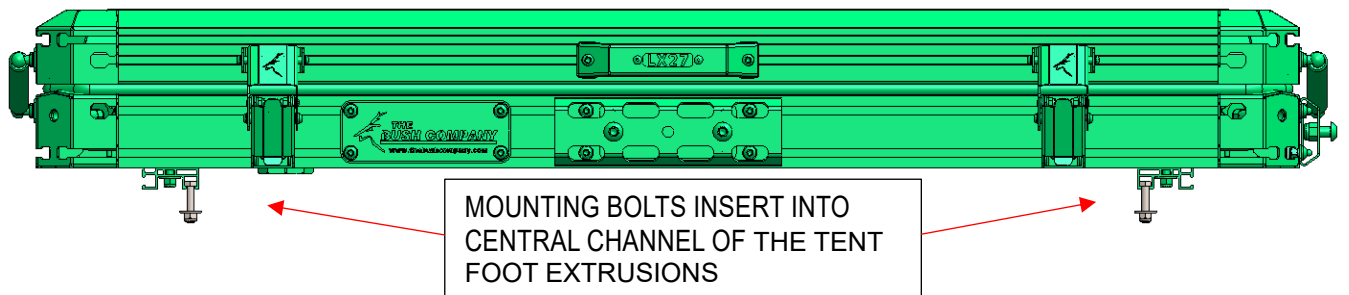
4.2.1 Option 1 – No foot extrusion rails.



4.2.2 Option 2 – Flush fitment bracket on the side of the foot extrusion rails.



4.2.3 Option 3 – Fitment fasteners in internal slot.



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5 Rooftop Tent Care and Maintenance

We recommend that new rooftop tents are opened and the canvas wet down on the outside before first use. **Do not** spray water onto the air vent above the rear door. This will ensure that your rooftop tent performs flawlessly in wet weather by allowing the poly/cotton core spun thread and canvas to swell ensuring the take up of any potential leaks in the stitching.

5.1 Regular Maintenance

- Lubricate the tent seal with silicon gel and clean seal mating surface thoroughly to prevent the seal from 'sticking' to the tent frame.
- Check for any signs of wear and tear, such as cracks, tears, or loose stitching in the tent fabric, midge mesh and seals.
- Inspect zippers, gas struts, hinges for smooth operation and lubrication.

5.2 Cleaning Canvas:

- Do not use soap or detergents on the canvas.
- Do not store the product if wet, allow drying first.
- To clean use a soft brush and cold water.
- Do not expose to petrol, oils or harsh chemicals.

5.3 Cleaning Mould From Canvas:

The canvas of The Bush Company Tents is treated during manufacturing with a mould and mildew inhibitor, but in the event that your tent canvas develop mould please followw the steps below to remove it:

- Allow mould to dry
- Remove surface mould off with a stiff bristle brush
- Vacuum the area
- Treat area with Oil of Clove spray (diluted spray can be purchased or can be mixed using a few drops of oil into a spray bottle of water)

5.4 Condensation:

Condensation is a natural occurrence, the combination of cold nights and warm days can create a lovely environment for mould and mildew to develop. This is not because of bad seals but from temperature changes combined with humidity creating condensation inside the tent.

When in use, reduce condensation build-up, keep some of the windows open to increase airflow. After your trip, make sure you allow the tent to fully dry inside and out. If you are not using your rooftop tent for an extended time (more than 10 days) open the tent regularly to air it out, and possibly remove the mattress and store it separately until your next trip.

5.5 Tent Frame Care

To ensure the longevity and aesthetic appeal of your powder coated surfaces, regular care and maintenance are essential. Factors such as pollution, dirt, salt, and exposure to strong ultraviolet (UV) light can gradually impact the quality and integrity of the coating over time.

Cleaning Recommendations:

- Remove Loose Dirt: Begin by gently removing any loose dirt or deposits from the surface using a wet sponge. This initial step helps prevent scratching during the cleaning process.

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- **Use Mild Cleaning Solutions:** for general cleaning, utilize a non-abrasive brush or cloth along with a ph-neutral car wash product such as [Salt Shift 4x4 & Caravan Wash](#) or [Bowden's Dirty Times 4WD Wash](#) to keep the surface of the tent in good condition. These solutions effectively remove dust, salt, and other deposits without causing damage to the powder coating.
- **Rinse Thoroughly:** after applying the cleaning solution, rinse the surface thoroughly with clean water. This step ensures the removal of any residue or cleaning agents that may be left behind.

5.6 Powder Coat Treatment

We recommend that at a minimum of once every six months or if your powder coat surface is fading, the powder coat should be treated with a dedicated powder coat restorer such as [Rig Revive](#) or [Ezy Renew](#). Follow the application directions on the product you select.

Recommended Cleaning Frequency:

- For general use we recommend cleaning and powder coat treatment every six months as a good practice to maintain appearance and coating integrity.
- If your tent is used regularly for beach camping we recommend cleaning the tent after each trip as you should your vehicle.
- If your tent is located in an area with high exposure to pollutants or intense UV radiation from being outside all the time, it should be cleaned and the powder coat treated approximately every three months.

5.7 Important Considerations

Avoid Harsh Detergents: Steer clear of detergents that recommend the use of gloves when handling, as they are usually harsh and may be unsuitable for cleaning powder coatings. Instead, opt for a good quality car wash and wax or a similar mild cleaning solution.

5.8 Caution with Solvents

While certain solvents are recommended for removing sealants or other building residues, they can potentially harm the extended life of the powder coated surface. To minimise risks, it is best to avoid using solvents unless absolutely necessary. If paint splashes, sealants, or other residues need to be removed, you can safely use methylated spirits, turpentine, or white spirits. However, be cautious as their use may still have long-term effects that may not be immediately visible and could take up to twelve months to appear.

5.9 Powder Coat Paint Repair

If the powder coat surface of your tent is damaged and needs to be touched up we recommend the following:

- Scurf back the powder coat back using a [Scotch Brite pad grade 7448 Pro](#). You do not need to take it back to bare metal.
- Mask up the area to be repaired and spray with the [Würth Lacquer Spray Quattro PNTSPR-QUATTRO-R9005-JETBLACK](#) which acts as an etch/primer and top-coat all in one

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5.10 Mattress Care

Your mattress absorbs moisture through body sweat. When travelling for extended periods it is a good idea to move your bedding back from the mattress during the day to allow the mattress to breathe.

If you are not using your tent for an extended period (more than 10 days) we recommend opening the tent regularly to allow it to air out, and possibly even remove the mattress and store it separately until your next trip.

6 Warranty

The Bush Company prides itself on the quality of manufacture of all its products.

In the unlikely event that you experience an issue with your rooftop tent please contact the stockist or Bush Company outlet that you purchased your tent from to initiate the warranty process.

If you are in Australia, please go to The Bush Company Australia website and visit the My Account section to raise a warranty support ticket. Full details of how to do this can be found here

<https://www.thebushcompany.com.au/support-warranty/>

The full details of the warranty policy that applies to your tent is available on the product page of The Bush Company website.

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