



# Kabari XL & 3.0

## USER MANUAL



\*Images are intended for illustration purposes. Images may vary from actual product. All instructions will be applicable.

## Thank you for purchasing a 23ZERO Roof Top Tent

Congratulations on the purchase of a 23Zero Kabari Series Hardshell Roof Top Tent. We strive to provide you with the ultimate camping experience. The Kabari Hardshell Roof Top Tent mounts directly to a roof rack or aftermarket roof bars. It opens and is fully set up in seconds. As well as our innovative LST fabric, this hardshell tent is made with durable materials and high-quality fabrics that provide excellent water and wind protection.

Most of the components have been pre-assembled. Depending on vehicle set up and choice of entry points, these components can be repositioned to suit.

**Note:** During set up and first use, some aluminium shavings may be present inside the roof top tent. We make every possible attempt to expel all aluminium shavings, however, with vibrations caused by logistics some residual may dislodge and reappear. It is advised to remove and clean these during first set up.

PLEASE READ ALL INSTRUCTIONS PRIOR TO INSTALLING

## IMPORTANT

Before installing your 23Zero Roof Top Tent please ensure you are aware and understand the following:

- Your vehicle's maximum roof load rating.
- Your roof rack's maximum load rating including off-road capacity.

The maximum amount of weight you can safely add to a vehicle's roof / cargo area differs according to make and type of vehicle including aftermarket additions such as roof racks / bars.

**Note: Roof rack off-road limits are immensely different to normal road use load ratings. If in doubt, please contact your vehicle manufacturer and roof rack manufacturer / supplier for specified loading capacity of your vehicle and roof rack**

Not all factory roof racks or aftermarket roof bars can safely accommodate roof top tent models. The responsibility of fitting this roof top tent to rated roof racks or roof bars lays with the purchaser.

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## Safety & Warnings

Improper installation or use of the Kabari Series Hardshell Roof Top Tent may result in serious injury and/or property damage. Follow these installation instructions carefully to ensure proper installation to vehicle and safe use of the roof top tent.

**Note:** Alterations and / or inclusions such as roof racks and roof top tents applied to the vehicle roof may affect vehicle handling and characteristics.

The manufacturer (23ZERO) disclaims all responsibility in case of accidents and / or damage due to installation of a roof top tent to an underrated roof rack, improper use, improper maintenance or checking the tightness of the brackets regarding the installation of the roof rack system.

**Inspections:** Roof top tents have many moving parts, so maintenance checks are always advised. During trips regularly check that all nuts and bolts attaching the roof top tent to the vehicle as well as hinges and locks are tight and in good repair.

**Ladder:** For your safety and protection, ensure correct placement and angle of ladder. Recommended ladder placement is a 4:1 ratio or approx. 75°.

Ladder height may need to be adjusted depending on vehicle height, see "Ladder Adjustment"

### **DO NOT CLIMB ON LADDER UNTIL CORRECT ANGLE IS ACHIEVED**

23Zero - The wholesaler / manufacturer shall not be liable for special, indirect incidental or consequential damages.

**SAFETY WARNING**

**KEEP ALL FLAME AND HEAT SOURCES AWAY FROM THE TENT MATERIALS.**

**UNDER NO CIRCUMSTANCE SHOULD ANY NAKED FLAME SOURCES OR HEATING DEVICES**

**BE USED INSIDE OR NEAR THE TENT.**

**KEEP CAMP FIRES WELL AWAY FROM TENT.**

**KEEP A LOOK OUT FOR ANY AIRBORNE BURNING EMBERS THAT MAY COME INTO**

**CONTACT WITH THE TENT.**

**KEEP A FIRE EXTINGUISHER OR WATER BUCKET NEARBY.**

**DO NOT SMOKE WITHIN THE TENT.**

**DO NOT OPERATE ANY DEVICE WHICH BURNS FUEL INSIDE OF THE TENT.**

**KEEP EXIT CLEAR.**

## Hardware & Accessories

The Kabari Series Hardshell Roof Top Tent includes a mounting kit with everything required to mount the roof top tent to most roof racks.

*Note: Hardware may differ from illustrated depending on model.*

45mm M8 bolts, nuts & washers 65mm M8 bolts, nuts & washers 	Aluminum slide plates 
Mounting saddles 	Canopy stay poles 
Light switch/dimmer 	Mounting rail end cap 
Boot Bag 	Tools 

### Important: Use Thread Lubricant During Installation

To avoid serious issues during installation, **be sure to apply a thread lubricant or anti-seize compound** to all bolts and hardware before tightening. This is a critical step to prevent thread galling and cold welding—issues that can occur when metal threads seize under pressure, especially with stainless steel or similar materials.

Failure to do so may result in hardware seizing during installation. In such cases, the bolt may need to be cut off and replacement hardware may be required at the installer's expense, subject to availability, which may not always be easy to find or replace.

Taking this simple step helps ensure a smooth, problem-free installation.

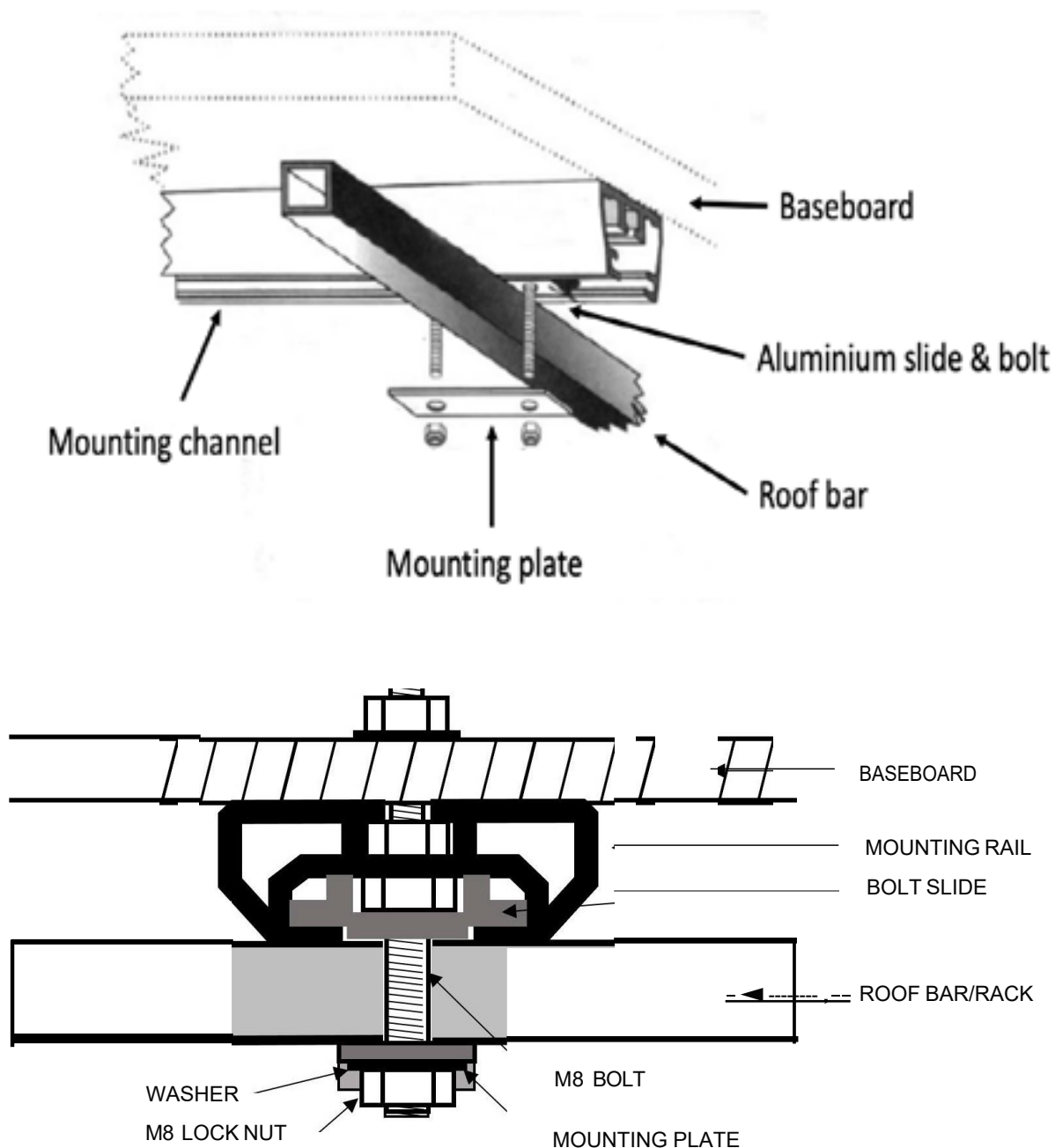
## Fitting to roof rack

The Kabari Series Hardshell Roof Top Tent must be fitted to roof racks with hinges facing forward. Clamp 4 corners using 8 x M8 bolts, 8 slide plates & 4 x mounting saddles supplied - see below.

Lift roof top tent on top of the vehicle's roof rack (minimum 4-person lift).

**Important:** Ensure the tents are closed during fitment.

Fit 8 x M8 bolts into 8 x slide plates and slide each into bottom mounting rail. Position these so there are 2 sets of bolts in each corner of the tent. Lift / tilt the roof top tent to allow the inner bolts to cross over onto the inside of the roof bars. See pic below. (mounting plate replaced by mounting saddle)



## **Fitting to roof rack continued.**

Inspect the position of the roof top tent to ensure it will open in the desired position.

Note: It is recommended the rear of the tent is flush with the back of the vehicle to allow correct ladder angle. Place a mounting saddle under the roof bar whilst locating the bolts, insert washer and hand tighten locking nut. Repeat for all 4 corners. Double check the tent's position as desired and tighten all nuts securely with 13mm wrench. Insert end caps into the ends of the mounting rails, this may require light taps from a hammer.

Inspections: Roof top tents have many moving parts so maintenance checks are always advised. During trips regularly check that all the above fixings are tight and in good repair.

## Roof bars



**Note:** The roof bars supplied with the Kabari Series Hardshell Roof Top Tent are not designed to carry significant loads. A maximum of 45 lbs can be carried on top of the Kabari Series Hardshell Roof Top Tent providing this weight is spread evenly amongst the 2 bars. When adding additional weight to the top of the tent, consideration must be given to the overall weight rating capacity of your vehicle's roof and roof rack.

Please ensure you are aware and understand the following:

- Your vehicle's maximum roof load rating.
- Your roof rack's maximum load rating including off-road capacity.

The maximum amount of weight you can safely add to a vehicle's roof / cargo area differs according to make and type of vehicle including aftermarket additions such as roof racks / bars.

**Important:** Before each trip please check that all roof bar and bracket fixings are tight and in good order before adding load.



## Ladder adjustment

For your safety and protection, ensure correct placement and angle of ladder. See diagrams below. Recommended ladder placement is a 4:1 ratio or approx. 70° to 75°.

**NOTE:** Under no circumstances should anyone be inside the roof top tent if the ladder is not locked and secured at the correct angle.

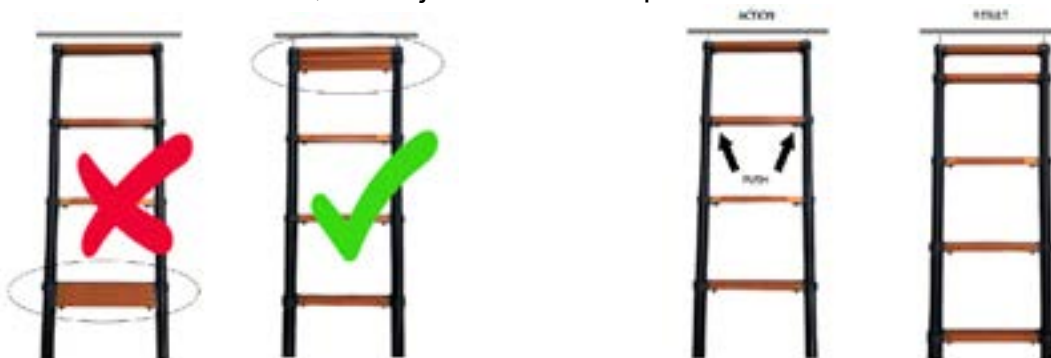


The ladder may need to be adjusted to achieve the correct angle depending on the height of your setup. If shortening is required, the adjustment must be done from the top.

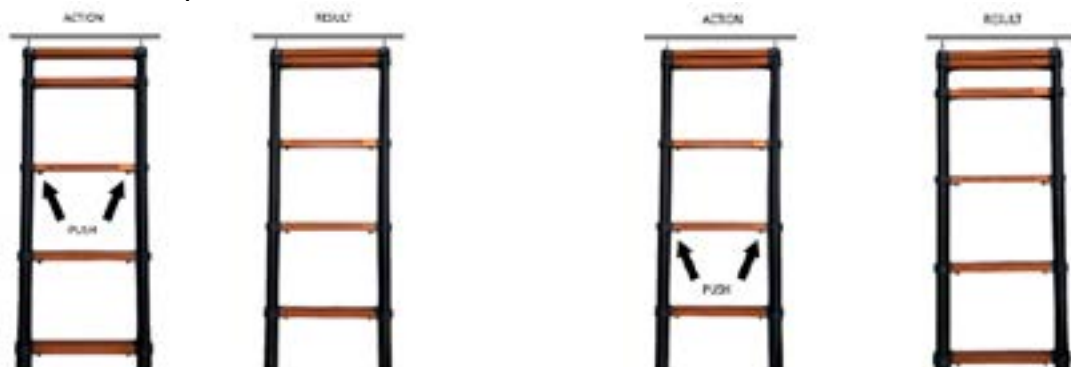
Ensure the ladder is fully extended and all rungs are locked in place. Press the first set of locking buttons (second rung from the top) and allow the ladder to compress until a gap of approx. 85mm is achieved between rung 1 & 2.

**Note:** The ladder will only lock in the downward position.

Swing in the bottom of the ladder until it supports the weight of the roof top tent. If the angle of the ladder is between 70° and 75°, the adjustment is complete.



If further shortening is required press the second set of locking buttons (third rung from the top). This will close the 85mm gap until rung 1 & 2 are now touching. Swing in the bottom of the ladder until it supports the weight of the roof top tent. If the angle of the ladder is between 70° and 75°, this adjustment is complete.



**NOTE:** When height adjusted, the ladder will only lock in the downward position.

If further adjustment is required, repeat the above steps by continuing the sequence by depressing the next set of locking buttons.



## Opening & Set up

Once the Kabari Series Hardshell Roof Top Tent is fixed securely to the vehicle's roof rack and the ladder is locked and angled correctly, climb the ladder, release the locks on the front and rear of tent and lift until the gas struts take over. Once open, lower the perimeter shock cord and hook this to both front corners of the baseboard. Locate the canopy stay poles and fit each of these into their brackets with the hook end facing outward. Flex each pole and insert the hook ends into the eyelets on the corners and side of the canopy (see images below). Unzip entry door and enter the roof top tent. The tent is now ready for use.



## Closing & Storage

Sleeping bags or blankets can be stowed inside the Kabari Series Hardshell Roof Top Tents if laid out flat. Additional mattresses and/or toppers must not be left in tent when closing. Not only do these make closing the tent difficult but they will put excessive pressure on the components and struts which may lead to failures and damage. This damage is distinguishable and is not covered by warranty.

An external perimeter shock cord is included with your Kabari Series Hardshell Roof Top Tent. These assist in reducing the canvas from billowing during pack up. Exit the tent, remove the canopy tension poles and lift the perimeter shock cord halfway up the canvas ensuring it goes over the canopy canvas as well. The tent is now ready to close.

**Tip:** Leave the side windows open halfway open to allow internal air to escape while closing the tent.

As the Kabari Series Hardshell Roof Top Tent is closing, tuck the canvas inside as the lid comes down. While the shock cord does assist in keeping the canvas from billowing, you do need to still ensure the canvas does not get caught in the hinge of the tent. You must also ensure nothing is caught between the sealing rubbers on the roof lid and baseboard. Engage the locks. Unhook the ladder, retract and stow in carry bag.

**Caution:** Avoid closing / storing tent wet. If conditions dictate that you do, open and dry out as soon as possible to avoid moisture damage.

## Warranty

23ZERO will replace or repair any product at its discretion that is subject to faulty manufacturing or workmanship including materials.

### **Making a claim**

To make a claim in relation to the above manufacturers warranty please ensure you retain your sales receipt of purchase. Please contact us stating the nature of your claim and we will be in touch with you shortly. If you require additional assistance, please call 801-349-1099 to discuss and arrange your claim. Product subject to warranty will be sent to 23ZERO USA, 2195 S Presidents Dr. Ste B. West Valley City, UT 84120. All freight costs associated with return of product for assessment is payable by the customer.

Due to our policy of continual product development, the specifications, colors and feature may vary.

Please visit <https://23zero.com/returns/> to see full details.