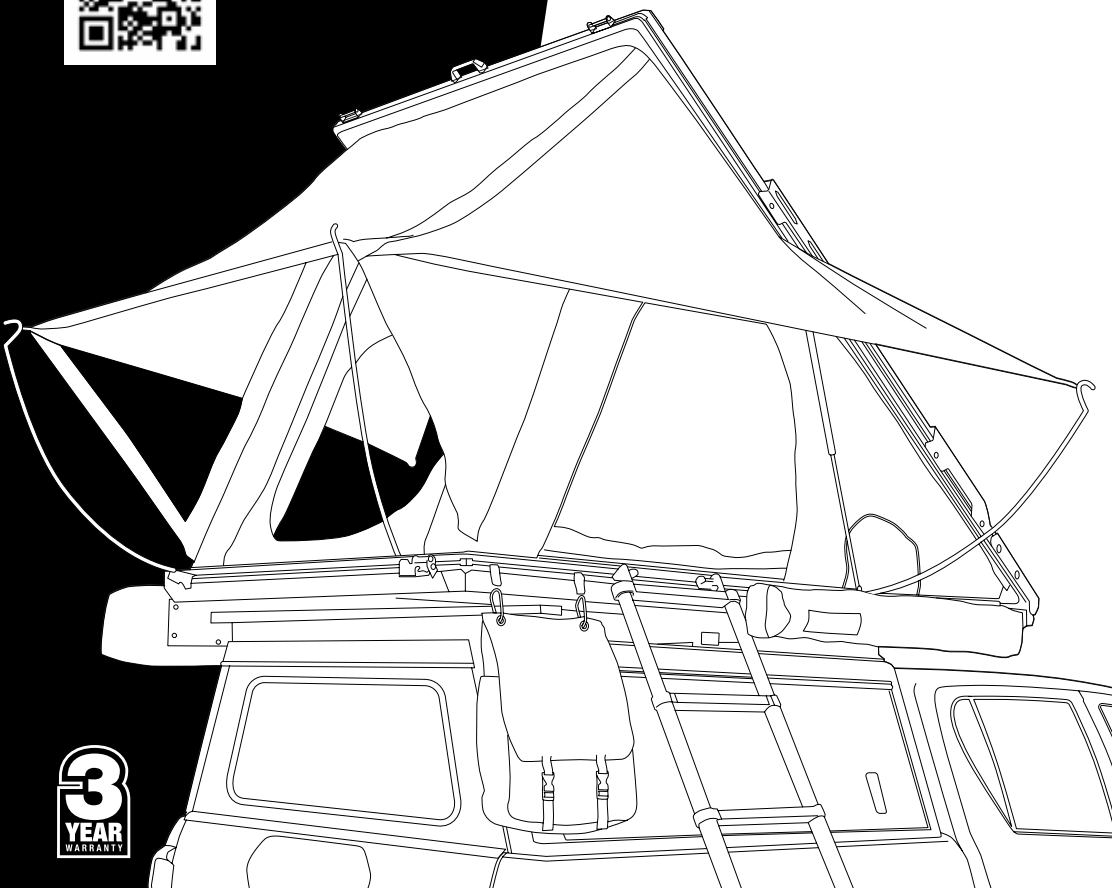


IRONMAN 4x4
ORION 1400

IRTT0056

**Orion 1400
Rooftop Tent
Owner's Manual**



IMPORTANT: Please read all procedures and precautions before using this Ironman 4x4 Product.
If you have any questions please contact our customer service department.

Safety Warnings

ORION 1400 ROOFTOP TENT

Congratulations on your purchase of the Ironman 4x4 Orion 1400 Rooftop Tent.

Your rooftop tent is designed to be mounted to metal canopies or tubs, and with a suitable tub rack system installed.

The Ironman 4x4 Orion 1400 is made using the best possible materials and construction methods, providing excellent protection from the elements. Most of the components have been pre-assembled in our factory, but some features may need to be fitted at the time of installation.

WARNING

Incorrect installation or use of your Orion 1400 could result in serious injury or death. Please follow these instructions carefully to ensure proper installation on your vehicle and correct operation.

DO NOT EXCEED THE MAXIMUM ROOFTOP TENT LID LOADING OF 30KGS WHEN OPEN. DOING SO MAY VOID ANY WARRANTY CLAIM.

WE DO NOT RECOMMEND MOUNTING THIS PRODUCT TO A UTILITY OR PICK UP CABIN ROOF. 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 or aftermarket roof racks or bars can safely accommodate all rooftop accessory additions.

Accessory inclusions such as rooftop tents can change normal vehicle handling. Ironman 4x4 disclaims all responsibility in case of accident due to incorrect installation, improper use or maintenance and infrequent review of fasteners tensions.

We recommend that you **DO NOT** exceed 110kmh (70mph) when your rooftop tent is installed and always adhere to speed limits.

DO NOT use your rooftop tent if there is visible damage to any part, including components - Especially ladder locking straps and buckles. Please contact Customer Service and see how we can help.

Always use caution on the ladder when climbing in or out. **NEVER** allow children to use it alone.

INSPECTIONS

All bolts and fixings associated with the installation of a rooftop tent to mounting brackets **MUST BE** secure and not loose prior to installation or after use.

Regularly check all fasteners and fittings in your rooftop tent and mounting system are tight, and in good repair. This includes hinges, ladder and mounting track. Prolonged use on rough and corrugated terrain will require more regular inspections.

SAFETY WARNING

- KEEP ALL FLAME AND HEAT SOURCES AWAY FROM TENT MATERIALS. UNDER NO CIRCUMSTANCE SHOULD ANY NAKED FLAME SOURCES OR HEATING DEVICES BE USED INSIDE OR NEAR THE TENT.
- DO NOT USE ANY FUEL BURNING DEVICE INSIDE A TENT. ALWAYS KEEP THE EXIT CLEAR.

Notes and Parts

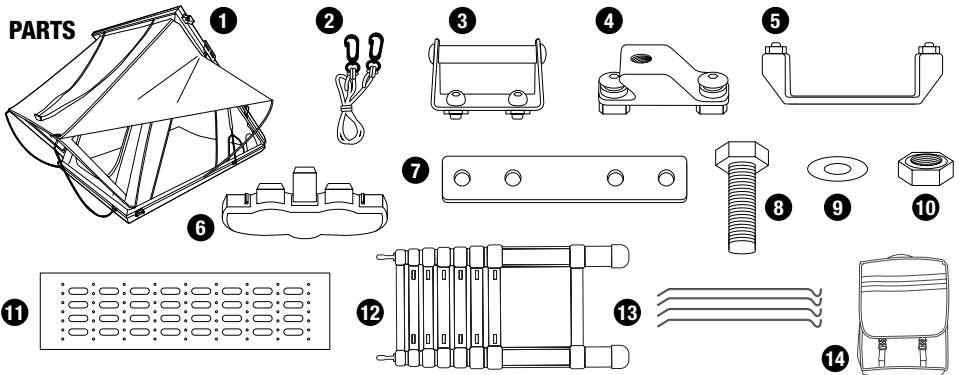
NOTES

- Be aware of change in vehicle height (side-wind sensitivity, cornering and braking). Dependent on roof bars, the vehicle height can increase by up to 90cm, be aware of low entrances or hanging branches, etc.
- For your safety and protection, ensure the correct placement and angle of the ladder. **DO NOT CLIMB ON LADDER UNTIL CORRECT ANGLE IS ACHIEVED** (approx. 60° between ladder and ground). If the angle of the ladder is at 90° and/ or does not reach the ground, you will need a ladder extension or longer extendible ladder.
- Wind noise may be generated when traveling with a rooftop tent.
- When using an automatic carwash facility, your rooftop tent must be removed first.
- For better fuel economy and safety of other road users, your rooftop tent should be removed when not in use.
- In order to avoid generating excessive lifting forces, your rooftop tent should be mounted parallel to the line of the road and not at an angle.

CLEANING AND STORAGE

- Use cold water with a soft bristle brush, **DO NOT** use soaps, bleaches, or any other abrasive cleaners as this may result in damage to the fabric.
- Avoid storing your awning and walls when wet or damp. If conditions dictate that you have to, open and dry out as soon as possible to avoid moisture damage.

PARTS



- | | | | |
|--------------------------|---------------------|----------------------|----------------------|
| 1. Rooftop Tent x 1 | 5. Lid Handle x 1 | 9. Flat Washers x 24 | 13. Awning Stays x 6 |
| 2. Bungee Strap x 1 | 6. Rail End Cap x 8 | 10. Nyloc Nut x 16 | 14. Boot Bag x 2 |
| 3. Ladder Bracket x 2 | 7. Mount Plate x 4 | 11. Roof Plate x 2 | |
| 4. Awning Stay Mount x 4 | 8. Bolts x 16 | 12. Ladder x 1 | |

Locating Tent on Your Vehicle

We recommend your rooftop tent is assembled and installed by two (2) persons, further recommendations would be to have your rooftop tent installed by an experienced 4x4 accessory installer.

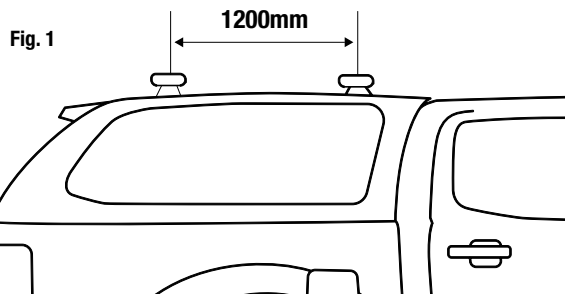
The rooftop tent brackets supplied have been designed to fit the most common configurations of roof racks and rail systems, however due to the ever-increasing variations being offered by vehicle and accessory manufacturers, it cannot be 100% guaranteed that these will fit all available options.

We do not recommend mounting this product to a utility or pick up cabin roof. If in doubt, please contact your vehicle manufacturer and roof rack manufacturer/supplier for specified loading capacity of your vehicle and roof rack.

We recommend speaking with your canopy or roof rack specialist for further advice or recommendations on the best system for your requirements.

ENSURE the minimum spacing between the roof rails is 1200mm to allow the rooftop tent to be supported correctly, and weight is evenly distributed (**Fig. 1**).

Your Ironman 4x4 Orion 1400 Rooftop Tent should be installed so it will open to the rear of the vehicle. The tent hinges should face toward the front of the vehicle.



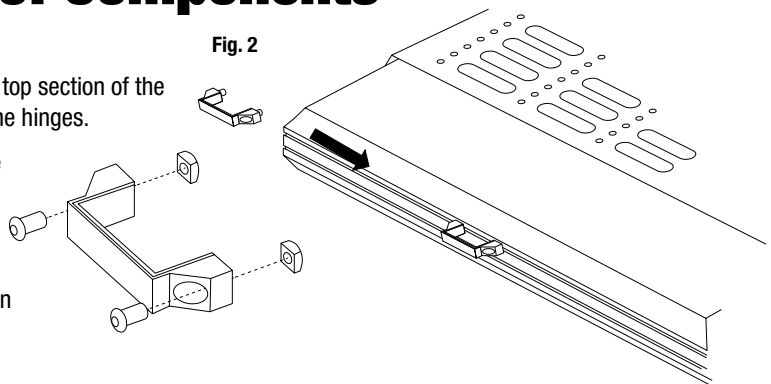
Assembly of Components

Tent lift handle

This handle is located in the top section of the tent at the opposite end to the hinges.

Insert the locking nuts of the assembled handle into the upper channel of the top section.

Centre the handle and tighten the bolts (**Fig. 2**).



Assembly of Components

Ladder Supports

Identify the required entry point to the tent as this will determine the position of the ladder brackets.

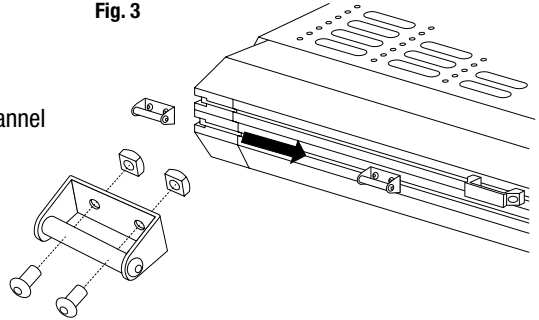
Insert the locking nuts of the bracket into the lower channel and position approximately 430mm apart in the centre of the desired entry point (**Fig. 3**).

Check accuracy of the distance and tighten the bolts.

Tip:

Temporarily remove the horizontal bar on the ladder bracket to better access the hex bolts.

Fig. 3



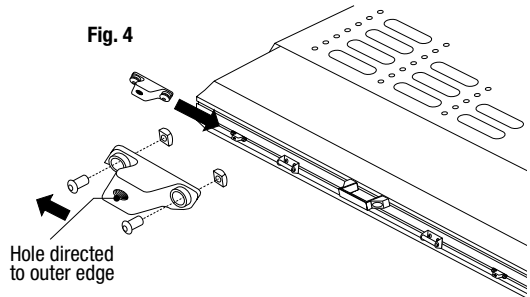
Awning Stay Mounts

Locate two (2) of these at the rear of the tent, in the lower channel, positioning approximately 220mm in from each edge (**Fig. 4**).

Ensure the holes are directed toward the outside edge of the tent.

Place a single side awning mount in the lower channel on each side of the tent. Adjust and tighten these manually when setting up for the first time.

Fig. 4



Roof Panels

The Orion 1400 is supplied with two (2) roof panels that are fitted to the upper side channels on the roof lid (**Fig. 5**).

Assemble the roof panels and leave loose.

Slide the nuts supplied with the panels into the upper channel on the sides and attach roof panels.

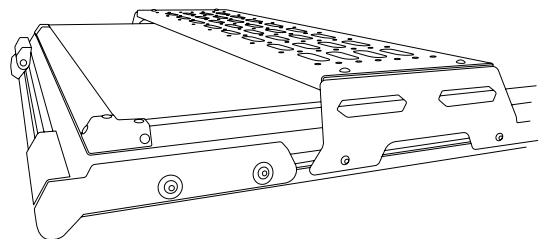
Once in the desired location, tighten all bolts.

Note:

Ensure you do not exceed the rooftop tent maximum lid loading of 30kgs.

Doing so may void any warranty claim.

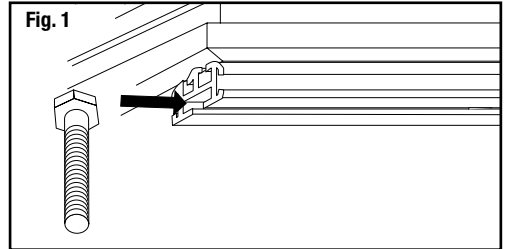
Fig. 5



Installing Tent on Your Vehicle

Step 1:

Before lifting the tent onto the roof rack or rails, slide the head of each bolt into the rail channel on the underside of the tent from both sides (**Fig. 1**). Four (4) bolts per channel rail.

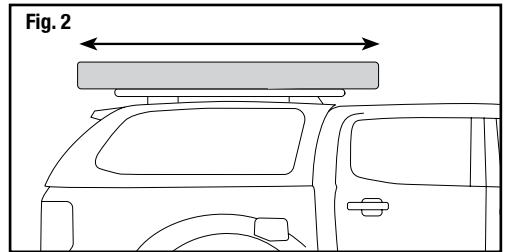


Step 2:

Place the tent central to the roof rack or rails, front and back (**Fig. 2**) and is positioned in the centre of the vehicle from left to right.

Ensure the canopy rear door can be opened and closed, and free from any obstructions.

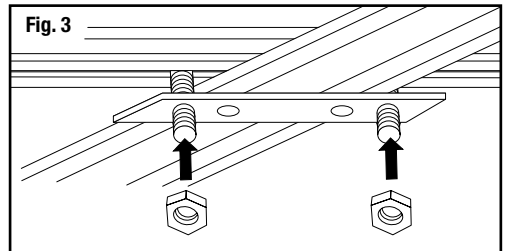
Note: Two (2) persons are required as a minimum to lift the tent onto the vehicle.



Step 3:

Position the bolts on the underside of the tent on each side of the roof rack rails.

Place mounting bracket around the roof rail and align with the bolts. Using a flat washer and Nyloc nut, lightly secure in place (**Fig. 3**).

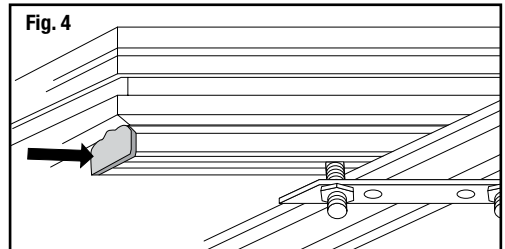


Step 4:

Repeat the process for the remaining three (3) brackets.

Again, check the tent is centralised to the vehicle and roof rails, then fully tighten all nuts.

Fit plastic caps to each end of the tent mounting channel (**Fig. 4**).

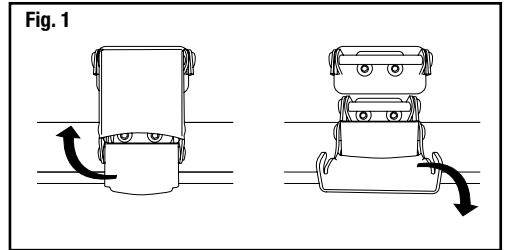


Setting up Your Tent

Step 1:

Lift the lower part of the latch securing the lid to disengage the hook clasp and pull the upper part of the latch down to unlock (Fig. 1).

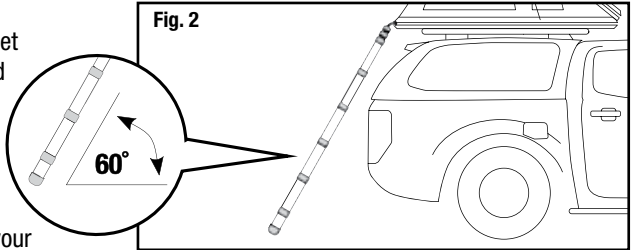
Push the lid upwards, the integrated struts will assist with lifting the lid into its final open position.



Step 2:

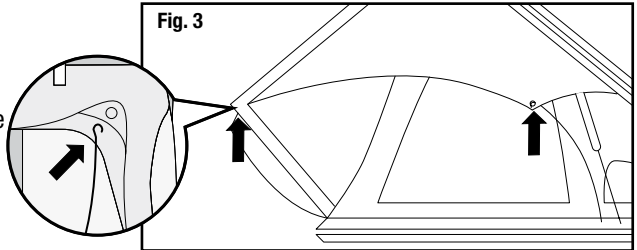
Adjust the ladder length and position the feet firmly on the ground. Ensure it is stable and at an angle of approximately 60° (Fig. 2).

Check the ladder is secure and stable before climbing into tent. All treads must be locked in place. Please read and understand the instructions supplied with your ladder.



Step 3:

Position the flexible stays for front and side window awnings, locking the legs in the stays. The hooked end slots into the eyelets in the fabric (Fig. 3).



Packing up Your Tent

If time permits, allow the tent material to fully dry out before packing away. If this is not possible, we strongly suggest setting the tent up again to thoroughly dry out before any long-term storage to prevent damage to the material and mechanisms.

Check if bedding will impede the lid closing. If so, remove all bedding. Remove and store the ladder, flexible stays and boot bags inside the tent.

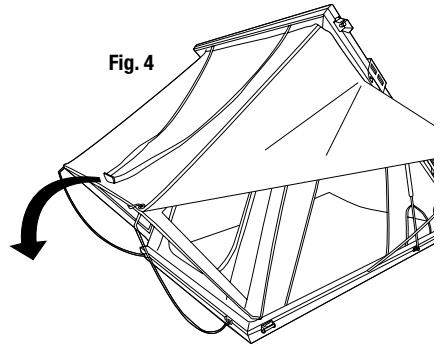
Zip up the door and windows two thirds of the way. Ensure the door is not fully closed as this allows for trapped air within the tent to escape as you close the lid over.

Position the bungee cord across the middle of the tent material to assist pulling the fabric inwards.

Pull down on the storage strap to close the lid, at the same time ensuring all fabric and straps are safely tucked inside (**Fig. 4**).

Secure the lid down, engaging the locking latches.

Fig. 4



WARRANTY

The offered 3 year warranty is limited to manufacturing and material defects. Not including; damage caused by misuse or abuse, wear and tear, condensation, extreme weather, accidents, incorrect set up, damage caused by being stored whilst damp. It also excludes broken poles and damage caused by a jammed, snagged zipper or excessive force applied to a zipper, causing failure.

This product is not designed to be used as a permanent shelter or used in commercial applications. As such, any claims for warranty may be reviewed subject to the conditions of use and appearance when presented.

IMPORTANT INFORMATION

Ironman 4x4 is not liable for any or accident that may occur as a result of non-compliance with these instructions, modifications made to any part, or the use of any parts other than manufacturer original parts.

The warnings, cautions and instructions for use contained in this document cannot cover every possible situation, so it is understood by the operator that common sense and caution must be applied. It is your responsibility to pass these instructions on to any third party who uses this product, including second-hand sales.

