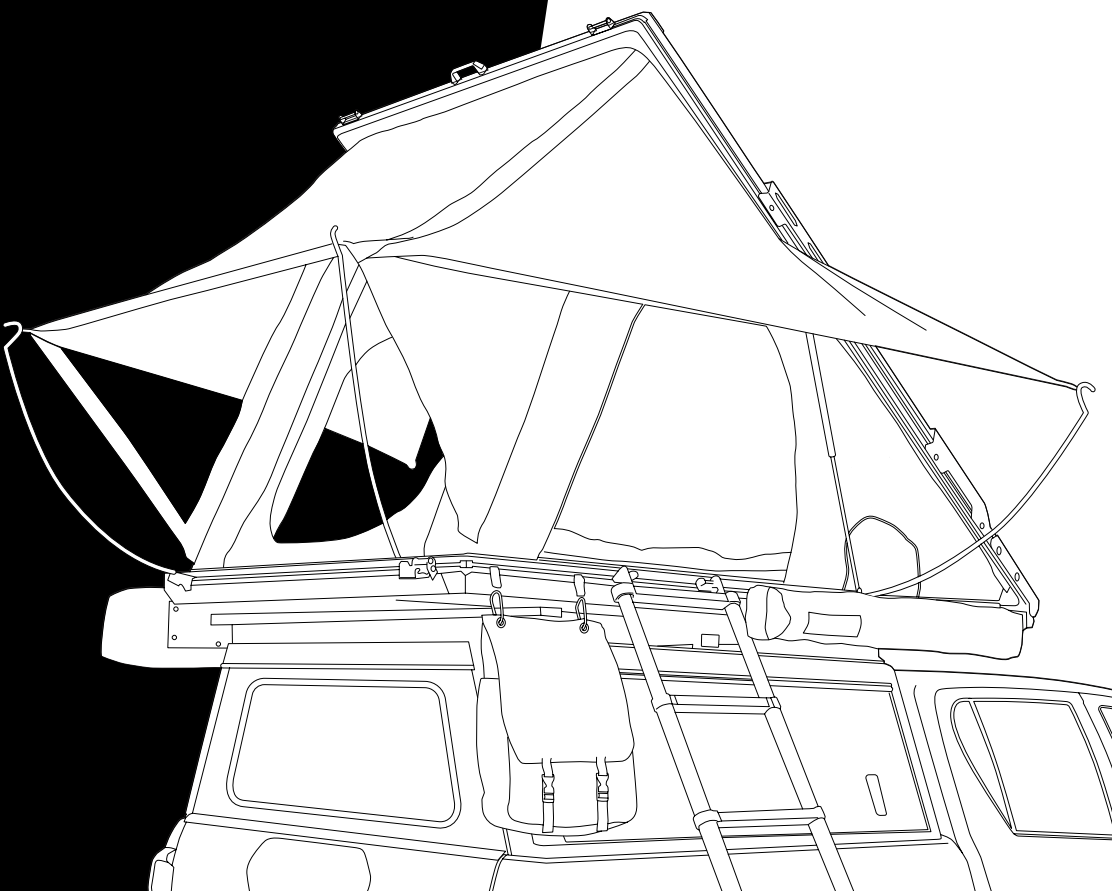


IRONMAN 4x4
ORION 1400

**Orion 1400
Rooftop Tent
Accessory Brackets
Installation**



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

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

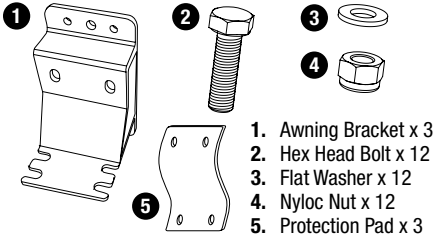
- KEEP ALL FLAME AND HEAT SOURCES AWAY FROM TENT MATERIALS. UNDER NO CIRCUMSTANCE SHOULD ANY NAKED FLAME SOURCES OR HEATING DEVICES BE USED INSIDE OR NEAR THE TENT.
- DO NOT USE ANY FUEL BURNING DEVICE INSIDE A TENT. ALWAYS KEEP THE EXIT CLEAR.

CLEANING AND STORAGE

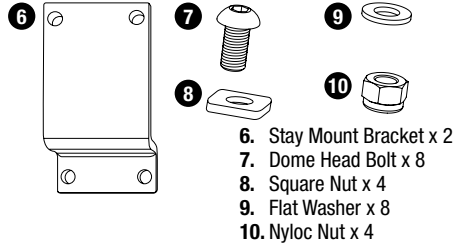
- Use cold water with a soft bristle brush, **DO NOT** use soaps, bleaches, or any other abrasive cleaners as this may result in damage to the fabric.
- Avoid storing your awning and walls when wet or damp. If conditions dictate that you have to, open and dry out as soon as possible to avoid moisture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

Bracket Kit Parts

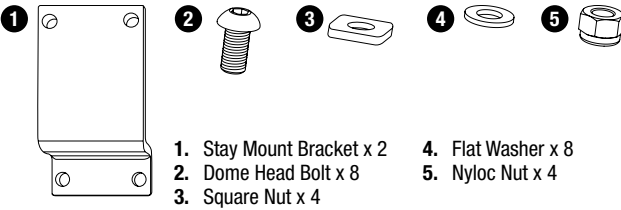
AWNING MOUNT BRACKET KIT (PAGE 4)



IRTT0056AWNMount

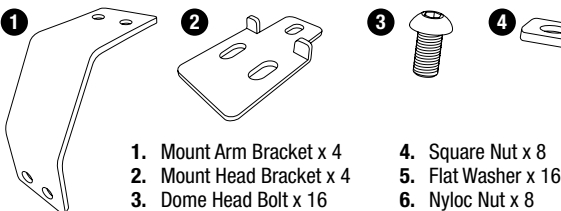


TENT AWNING STAY MOUNT BRACKET KIT (PAGE 5)



IRTT0056SPRINGMount

SOLAR PANEL MOUNT BRACKET KIT (PAGE 6)



IRTT0056SOLARMount

Awning Mount Bracket Kit

Step 1:

Decide which side of the rooftop tent (RTT) you are mounting your awning to. If ladder support brackets are located on this side, they will need to be removed temporarily from the lower channel.

Step 2:

Insert two (2) bolt heads into the channel under the RTT and slide to approximate final bracket location (**Fig. 1**).

Insert two (2) bolt heads into the side lower channel positioning close to the underside bolts previously installed (**Fig. 2**).

Step 3:

Place protection pad on the rear of the bracket and position against the side of the RTT, aligning holes with the side bolts (**Fig. 3**).

Bottom leg sits underneath RTT, between the two (2) lower bolts. Slide these two (2) bolts into a notch on both sides of the leg (**Fig. 4**).

Step 4:

Secure the bracket to RTT using flat washers and Nyloc nuts. Finger tighten only.

Install awning stay bracket/s (see opposite page) before installing the remaining brackets.

Step 5:

Slide brackets along channel, spacing approximately as shown. Rear bracket should be positioned close to the rear as this usually holds the majority of the awning weight (**Fig. 5**).

Once brackets are in the desired positions, tighten all nuts to secure in place.

Step 6:

Refit the ladder support brackets and secure in place. Recheck all bolts are tightened.

Step 7:

Attach your awning to the brackets following instructions supplied with the product.

Fig. 1

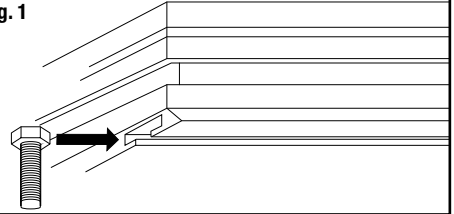


Fig. 2

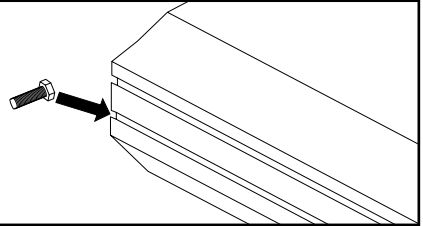


Fig. 3

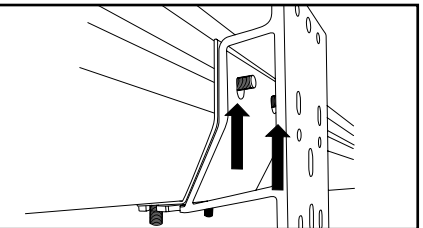


Fig. 4

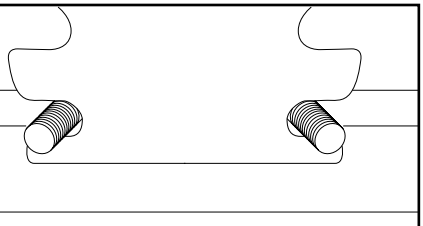
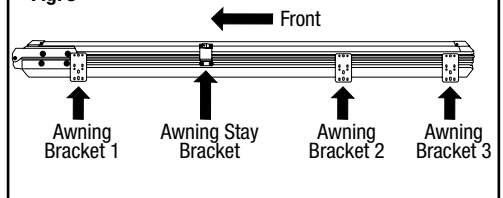


Fig. 5



Tent Awning Stay Bracket Kit

Step 1:

If ladder support brackets are located on the same side as your awning on your rooftop tent (RTT), these will need to be removed temporarily from the lower channel.

If fitted, the two (2) awning mount brackets and bolts at the rear of the RTT will also need to be temporarily removed.

Step 2:

Attach the tent awning stay to the top of the stay bracket, securing with bolts, washers and Nyloc nuts. (Fig. 1).

Ensure the angled hole in the tent awning stay is facing toward the front of the RTT (Fig. 2).

Step 3:

Slide two (2) square nuts into the lower side channel and position in approximate final position (Fig. 3).

Step 4:

Place bracket against the side of the RTT, aligning bottom holes with square nuts in lower channel. Secure bracket in place using bolts and washers into square nuts (Fig. 4).

Finger tighten only.

Step 5:

Check positioning of RTT awning stay by opening tent and assembling RTT awning with awning rod (Fig. 5).

Slide the bracket to the desired position and tighten bolts.

Step 6:

Refit the ladder support brackets, awning mount brackets and secure in place.

Recheck all bolts are tightened.

Step 7:

Repeat the steps above to the opposite side if required.

Fig. 1

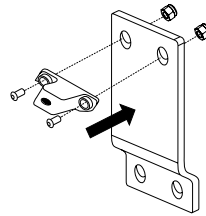


Fig. 2

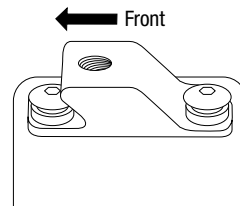


Fig. 3

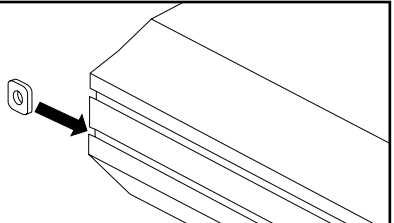


Fig. 4

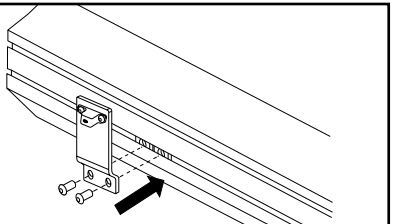
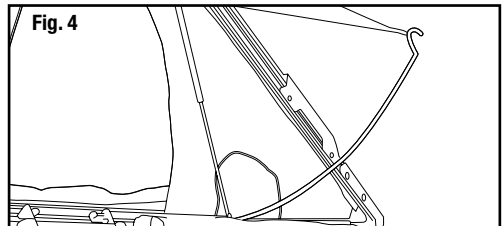


Fig. 5



Solar Panel Mount Bracket Kit

Note: Prior to installing anything to the lid of your rooftop tent (RTT), it is important you understand all accessories fitted must not exceed the maximum roof rating of 30kg (66lb) when RTT is open.

Step 1:

Before installing solar panel mount brackets, you will need to temporarily remove the RTT lid locking hook from the upper channel if this is located on the sides of the RTT.

Additionally, remove the square nuts from inside the channel.

Step 2:

Place the mount head bracket onto the underside of the solar panel in the desired bracket location (**Fig. 1**) as shown.

Using a suitable rust resistant self-tapping screw (not supplied), attach the mount head bracket to the solar panel frame.

Repeat for the remaining three (3) brackets, ensuring all self tappers are firmly secure.

Step 3:

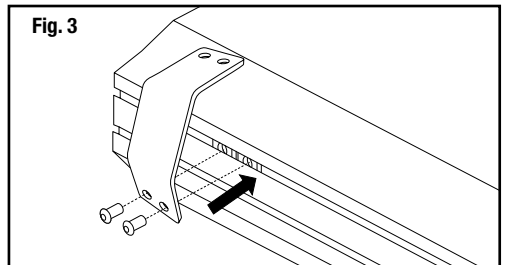
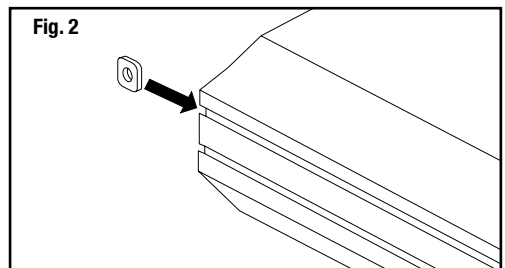
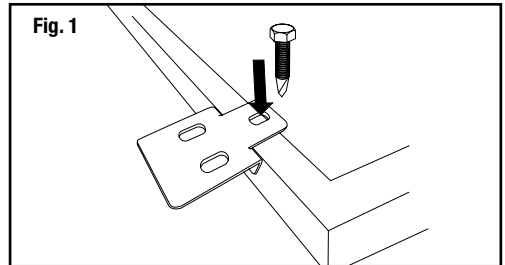
Slide two (2) square nuts into the upper side channel and position in approximate final position (**Fig. 2**).

Step 3:

Place the smaller section of the mount arm bracket against the side of the RTT, aligning the bottom holes with the square nuts in lower channel.

Secure bracket in place using bolts and washers into square nuts (**Fig. 3**).

Finger tighten only.



Solar Panel Mount Bracket Kit

Step 4:

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

Note: Based upon your chosen final location of the solar panel, you may need to reattach the lid locking hook to the upper channel prior to fitting the brackets at the rear of the RTT.

We strongly advise positioning your solar panels as close to the hinges at the front to lessen the weight on the lid when open (**Fig. 4**).

Step 4:

Turn the solar panel over so cells are facing upward.

Place the solar panel into the desired location on the RTT and slide the mount arm brackets along the channel.

Align the brackets attached to the underside of the solar panel with the holes in the top of the mount arm brackets (**Fig. 5**).

Step 5:

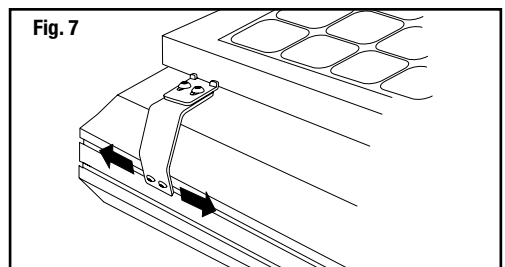
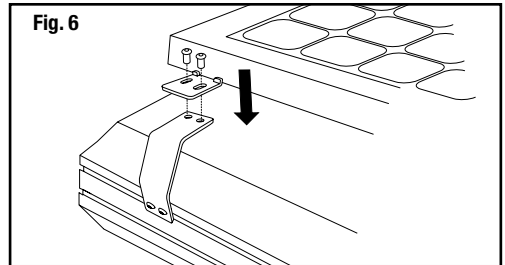
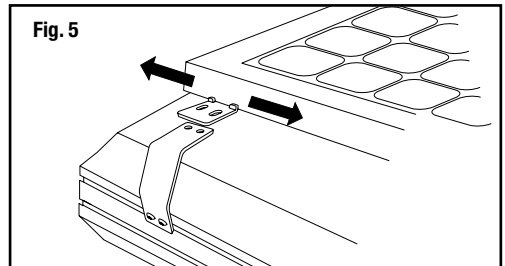
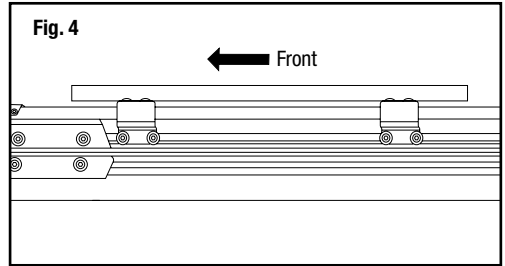
Once solar panel and brackets are aligned and in the desired position, secure the mount head bracket to the mount arm bracket with bolts, washers and Nyloc nuts (**Fig 6**).

Finger tighten only.

Step 6:

Slide solar panel to its final location, ensuring the unit is squared to the brackets and RTT (**Fig. 7**).

Tighten all nuts, ensuring no movement in the brackets or the solar panel.



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.