

# RHINO-RACK®

## Batwing 270 Freestanding Awning

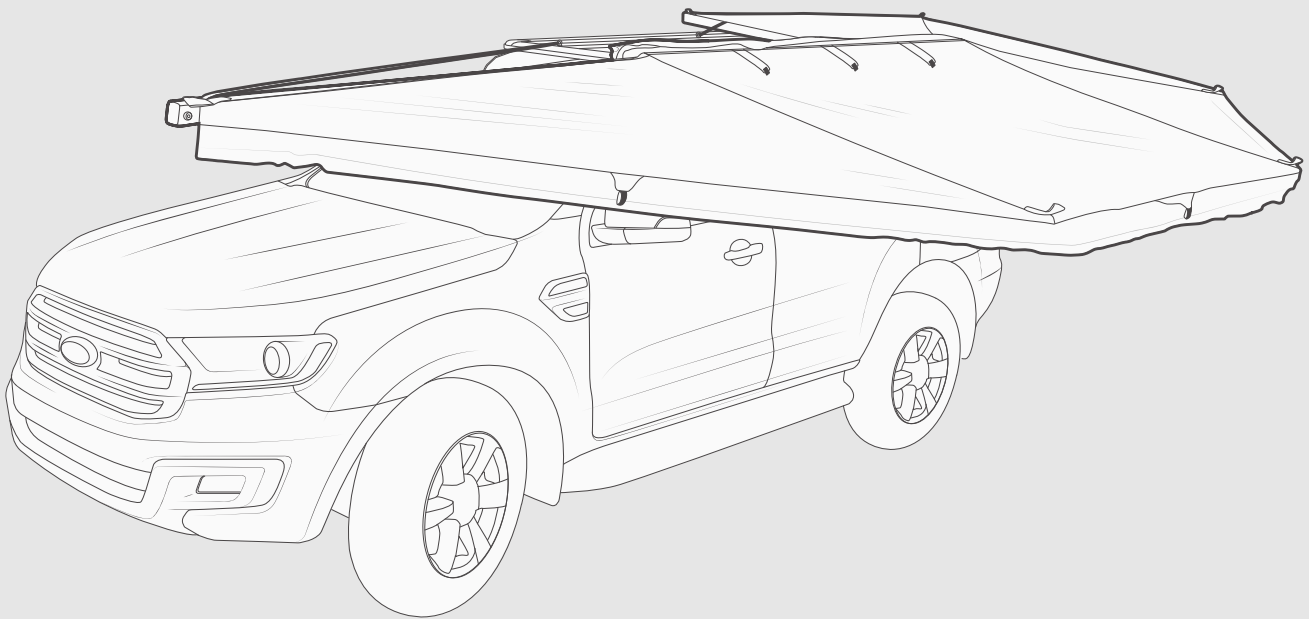
32145 (LH) / 32146 (RH)

### Important:

1. Check the Rhino-Rack website to ensure you have the latest issue of these instructions.
2. Please refer to your fitting instruction to ensure that the roof racks are installed in the correct locations.
3. Check the contents of kit before commencing fitment and report any discrepancies.
4. Place these instructions in the vehicle's glove box after installation is complete.
5. These instructions must be followed for warranty to be upheld.

**Fit Time:** 15 mins

TWO-PERSON  
INSTALLATION



**Thank you for choosing Rhino-Rack!**



### WELCOME TO THE HERD.

For peace of mind register your product by heading to [rhinorack.com/register](https://rhinorack.com/register)

### Rhino-Rack AUSTRALIA

22A Hanson Place,  
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### Rhino-Rack USA

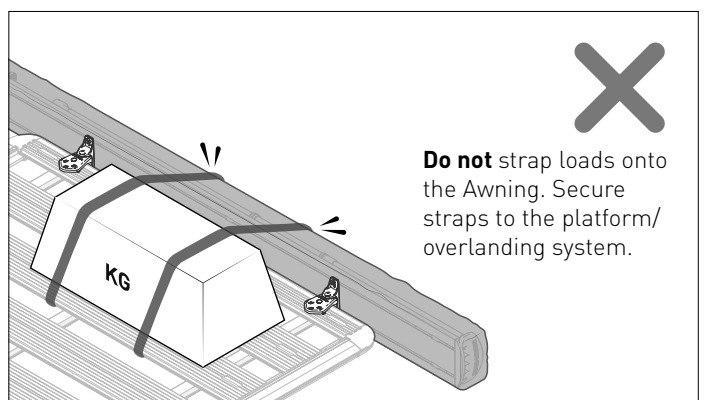
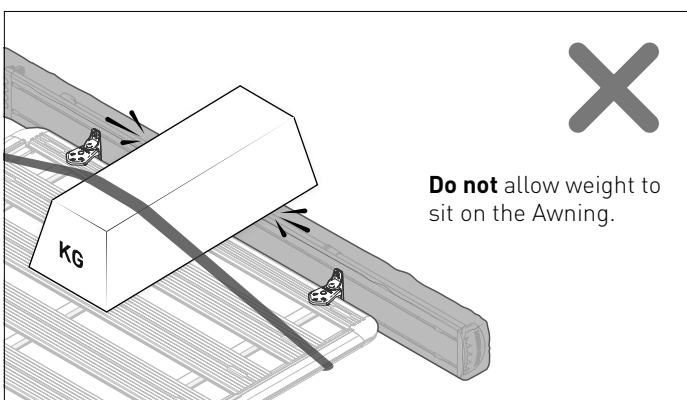
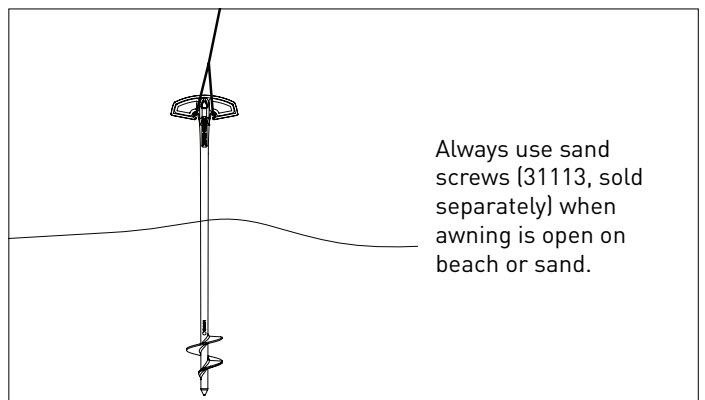
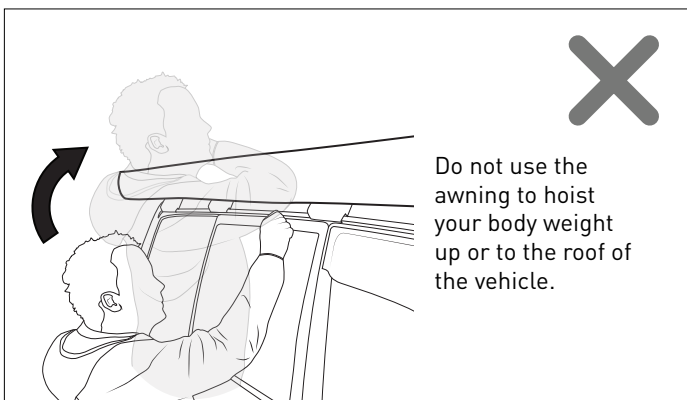
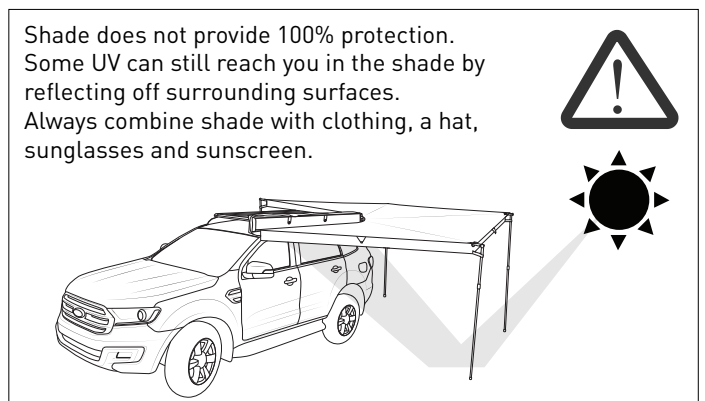
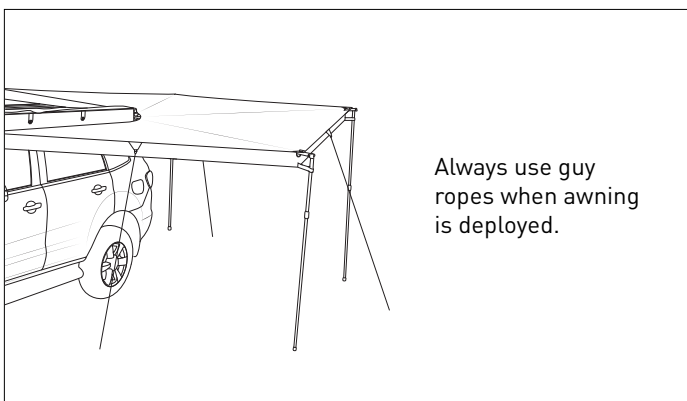
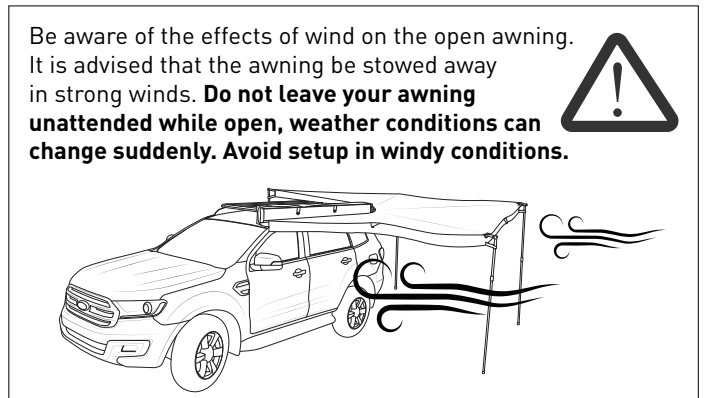
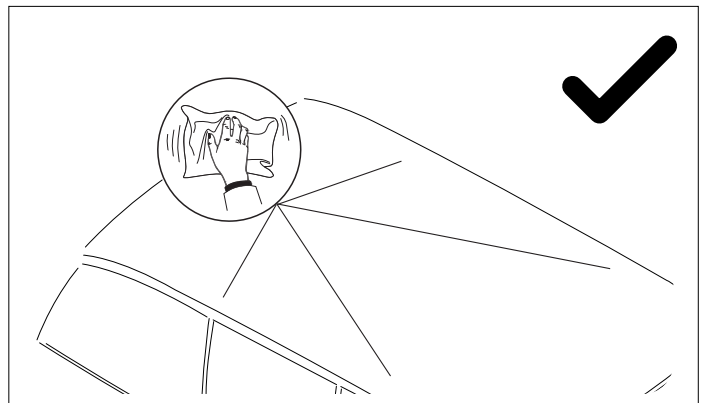
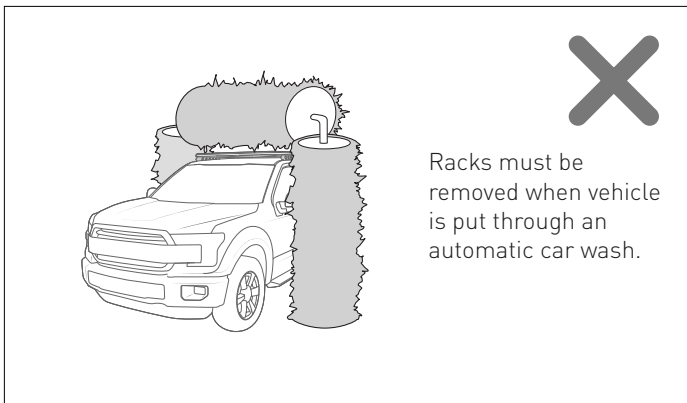
19822 E. 22nd Avenue,  
Unit B, Aurora, CO 80011

### RHINORACK.COM

Document No:520-RFI-00210

Issue No: 02

Issue Date: 23/05/2025



## Important Information

### Recommendations

#### Use only non-stretch fastening ropes or straps.

Please remove Batwing Awning and crossbars when putting vehicle through an automatic car wash.

Do not stow away the awning for long periods if it is wet. You must allow the awning material to dry completely before storing for extended periods of time. When rolling up the awning, avoid excessive bunching up of the material before stowing. The awning should be rolled up as neatly as possible following the instruction on page 9.

### In service maintenance checks

- All bolt connections should be checked after driving a short distance when you first install your roof racks.
- All bolted connections should be checked again at regular intervals (weekly is recommended, depending on road conditions, usage, loads and distances travelled).
- All bolted connections should be checked each time they are re-fitted.
- Off-road conditions are more rigorous. Check all bolted connections and your load more regularly.
- Ensure that your vehicle manufacturer's GVM, and gross axle weights are not exceeded (refer to vehicle owner's manual).

#### Torque Settings:

Unless stated otherwise in these instructions, all fasteners should be set to the following torque settings:



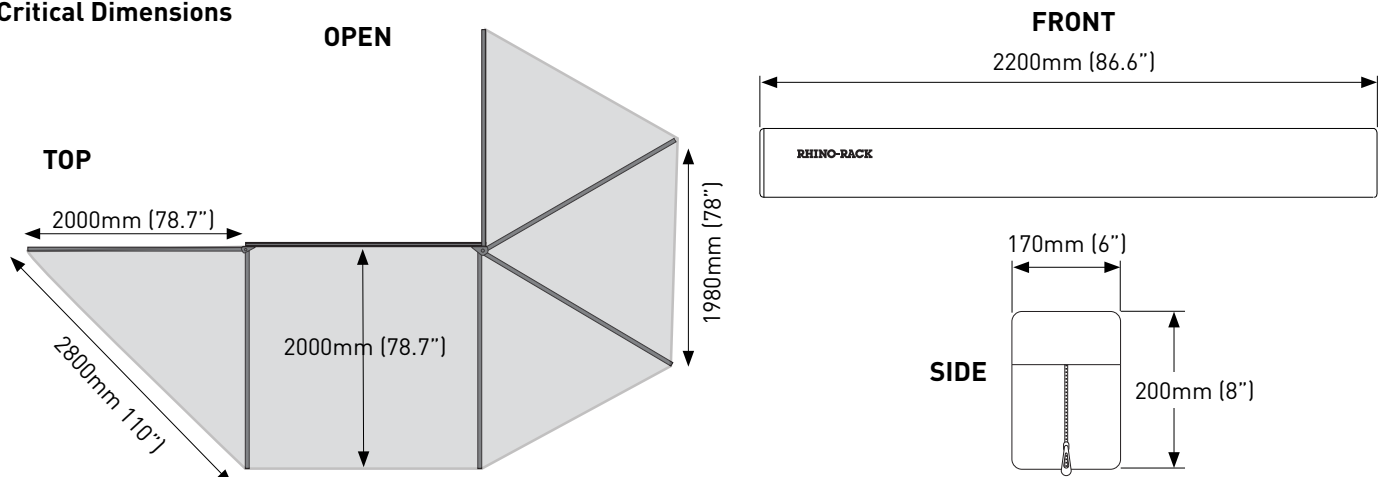
### Load Ratings

With the addition of the Batwing Awning, the load capacity of your crossbars will have to be adjusted accordingly. The Batwing Awning with mounting brackets weighs approximately 20kg.

### Note for Dealers and Fitters

It is your responsibility to ensure this fitting instruction is given to the end user or client. It is your responsibility to ensure these fitting instructions are given to the end user or client. These instructions remain the property of Rhino-Rack Australia Pty. Ltd. and may not be used or changed for any other purpose than intended.

### Critical Dimensions



## CONTENTS

### Installation onto:

Pioneer Platforms — Steps **1 - 5**, **10** and **12 - 16**

VA / RD / Sportz Crossbars — Steps **6 - 9** and **11 - 16**

Operation — Steps **17 - 26**

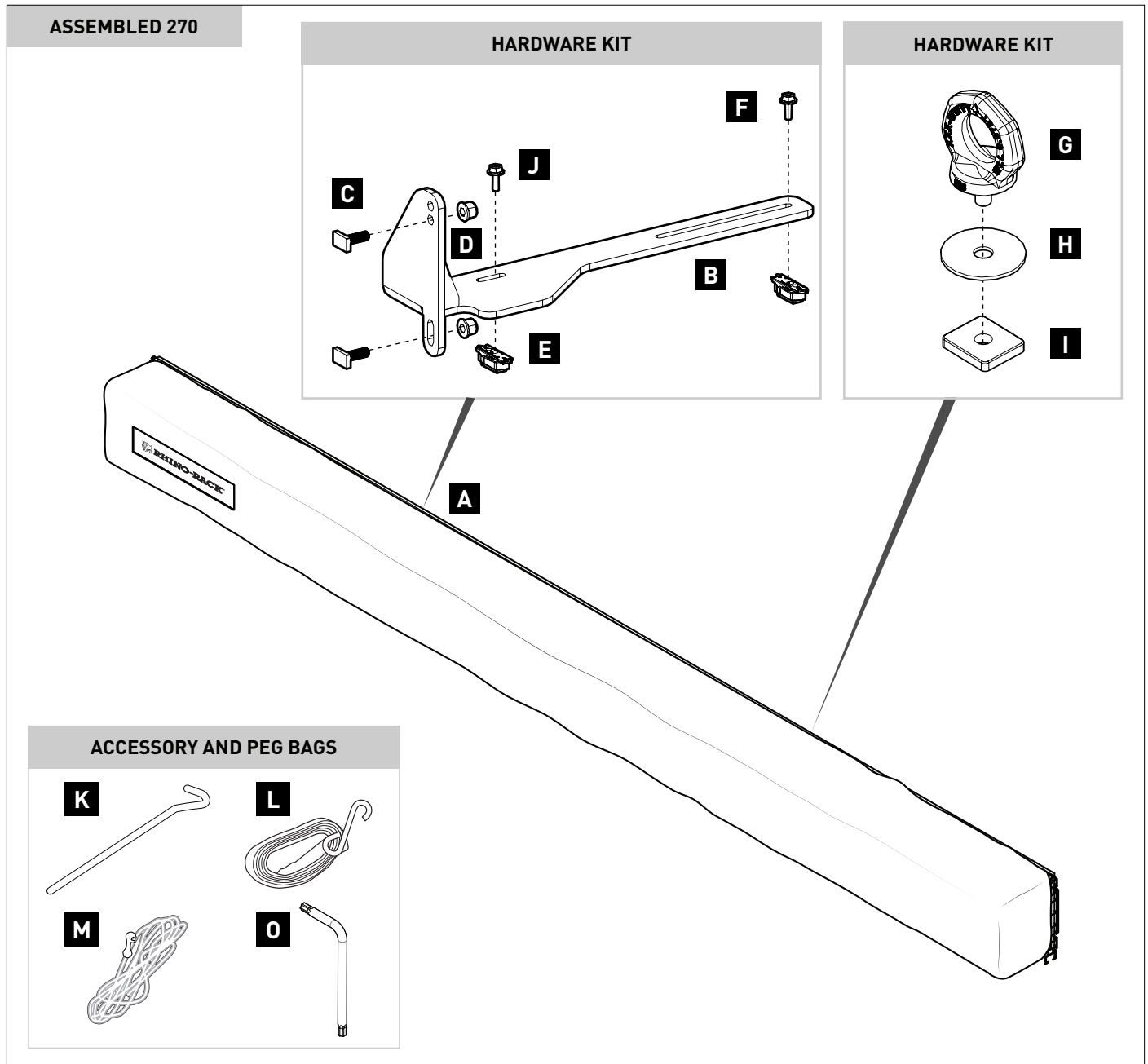
Storage — Steps **27 - 30**

Accessories — Steps **31 - 32**

For the purpose of this instruction manual, installation is shown with a **right-hand awning**.

The same steps apply for **left-hand awning** installation.

# Parts List



Item	ASSEMBLED 270	Qty
<b>A</b>	270 Awning Main Body	1
Item	HARDWARE KITS	Qty
<b>B</b>	Base Bracket	3
<b>C</b>	M8 T-Bolt	6
<b>D</b>	M8 Flanged Nyloc Nut	6
<b>E</b>	Zwifloc Drop-In Nut	8
<b>F</b>	M6 X 16 Hex Head Flanged Bolt	6
<b>G</b>	Eye Bolt	2
<b>H</b>	Flat Washer	2
<b>I</b>	Square Nut	8
<b>J</b>	M6 X 12 Hex Head Flanged Bolt	6

Item	ACCESSORY + PEG BAGS	Qty
<b>K</b>	Awning Peg	11
<b>L</b>	Awning Straps (Black)	2
<b>M</b>	Guy Rope (Blue)	11
<b>O</b>	Torx Key (T30)	1

## TOOLS REQUIRED:

**T1** - 10mm & 13mm Spanner (or Socket Wrench)

**T2** - Tape Measure

**T3** - Step Ladder

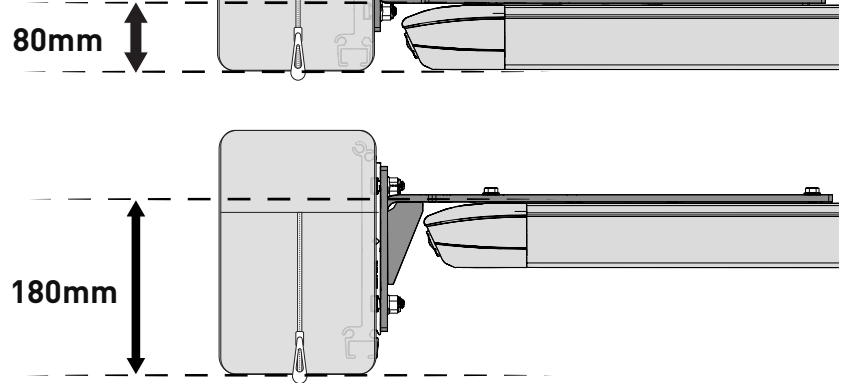
**T4** - Hammer/mallet



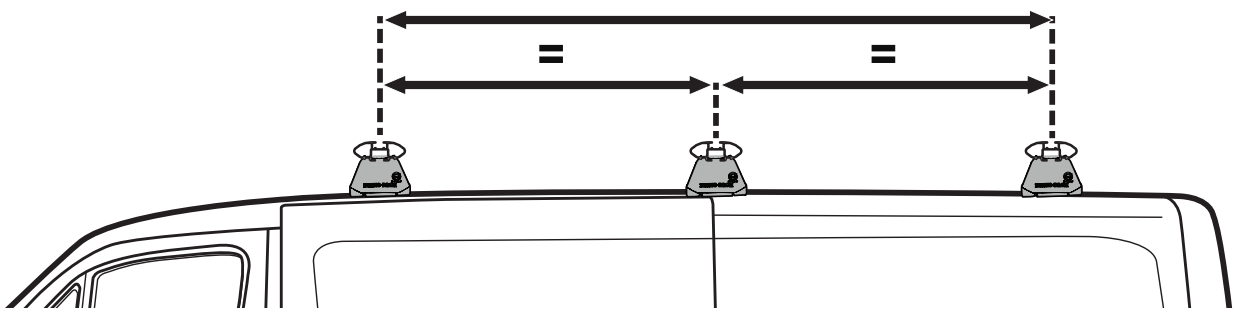
# NOTE

The bracket can be used in two configurations: **HIGH** or **LOW**.

*For the purpose of this instruction, installation is shown in the **HIGH** configuration.*



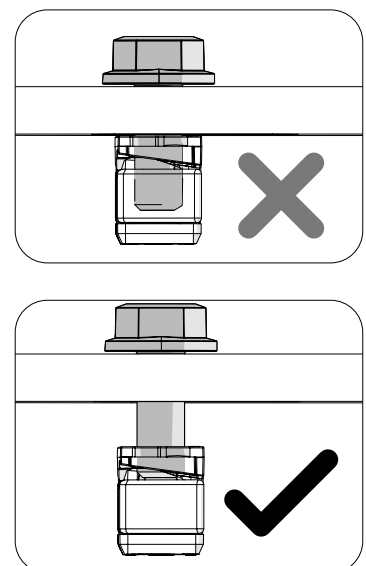
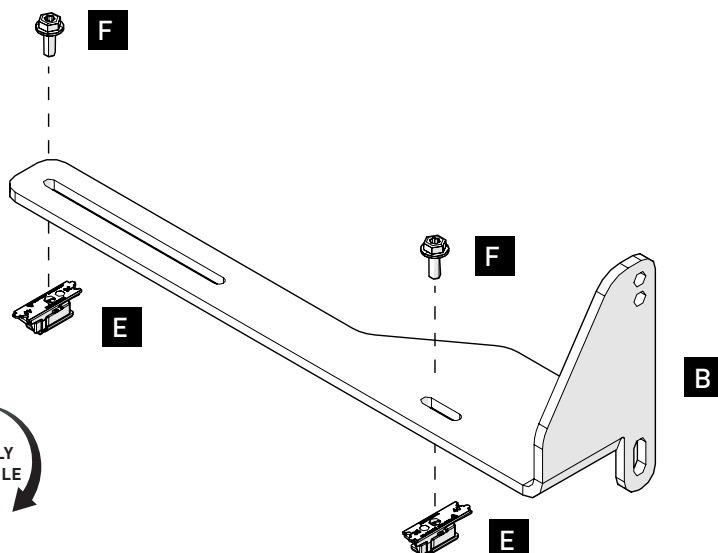
This awning is only compatible with **PIONEER** platforms and **3 bar configurations**. All three brackets must be used and spaced equally to distribute the load of the awning.



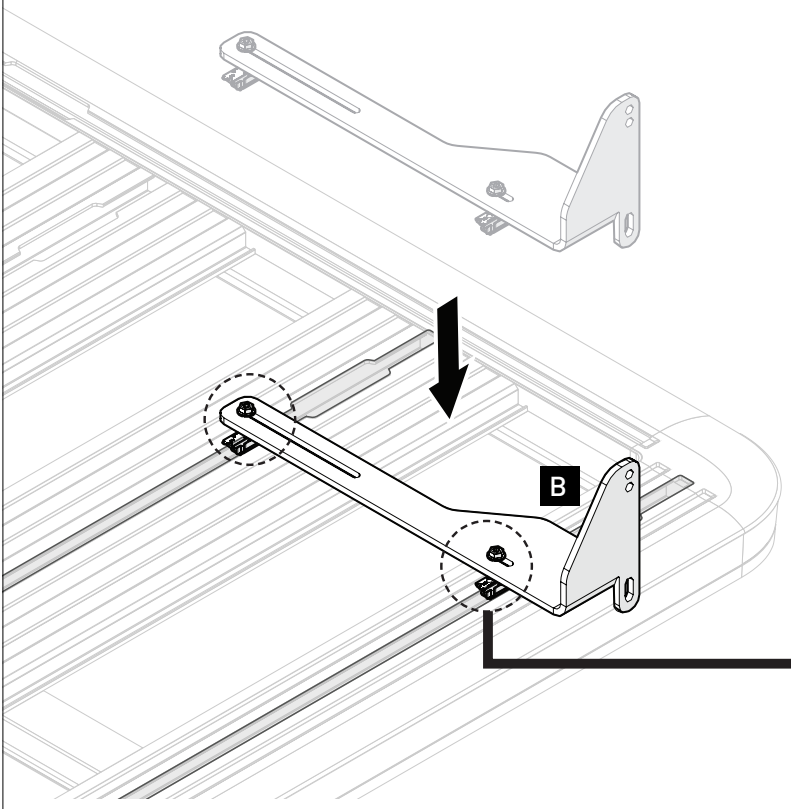
## For Installation onto PIONEER PLATFORMS

(For Crossbars, skip to Step **6**)

**1** Repeat Steps **1** - **3** for all three brackets.

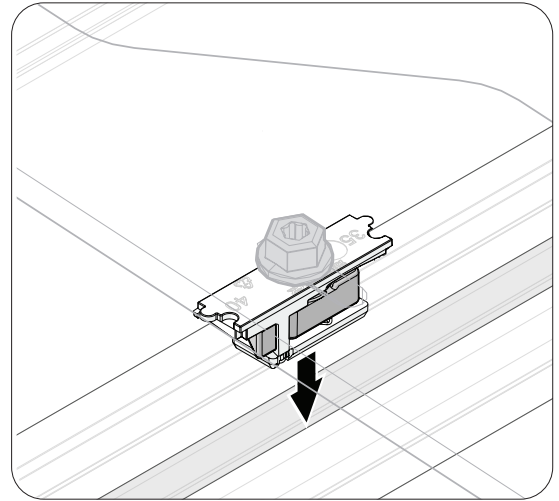
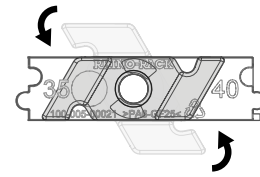


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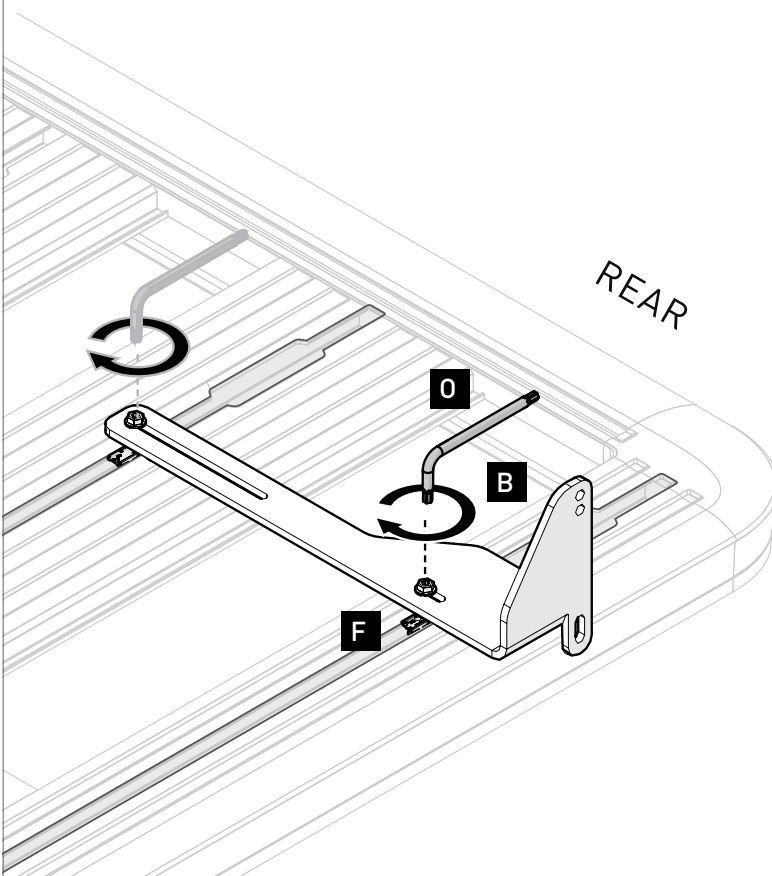
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E



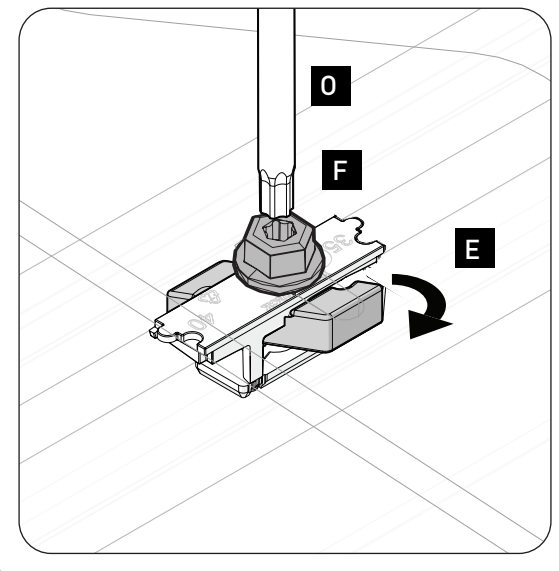
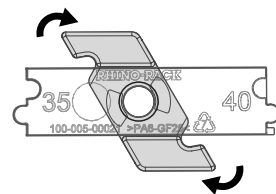
3

Loosely fasten into the channel, but do not tighten.

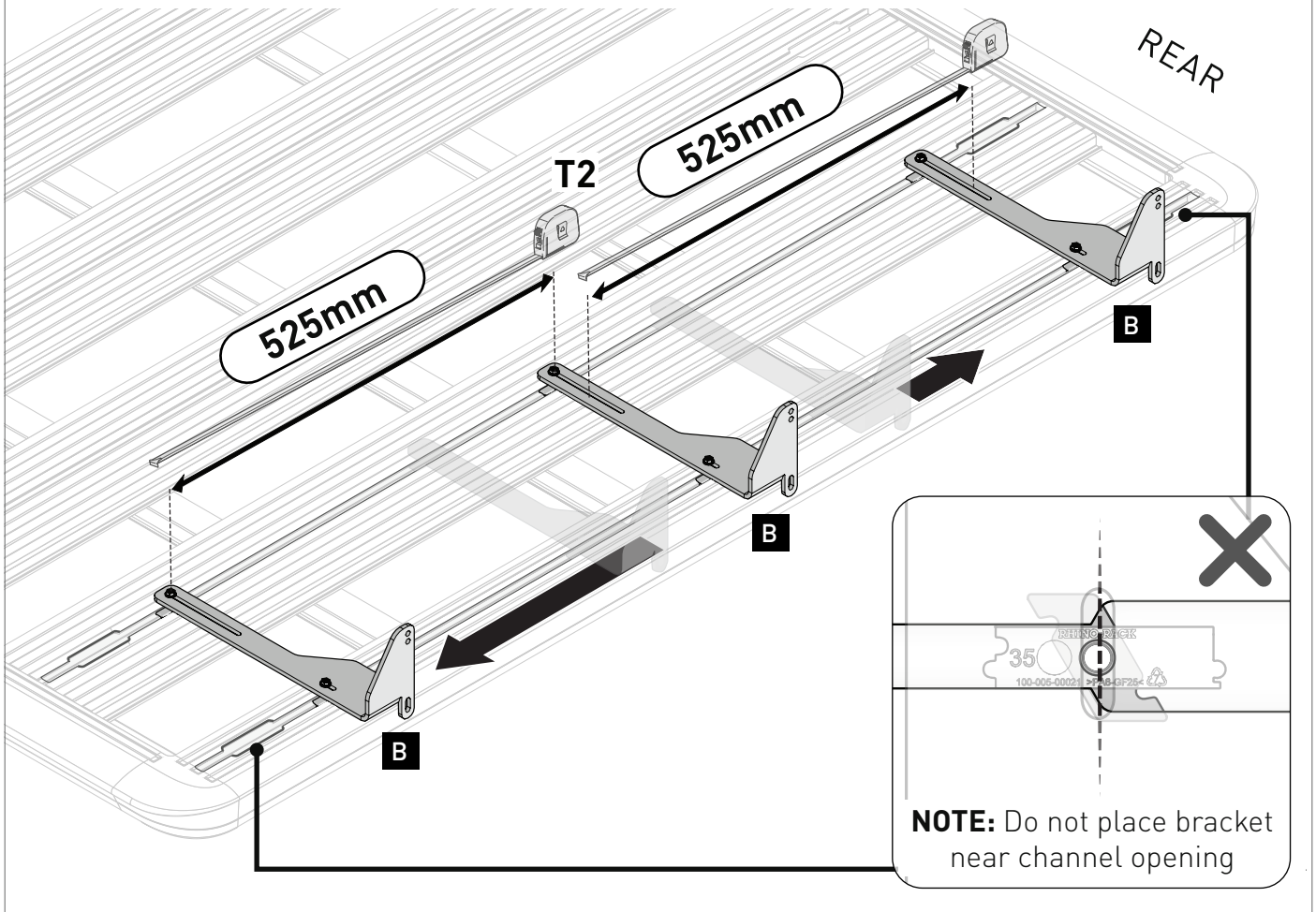


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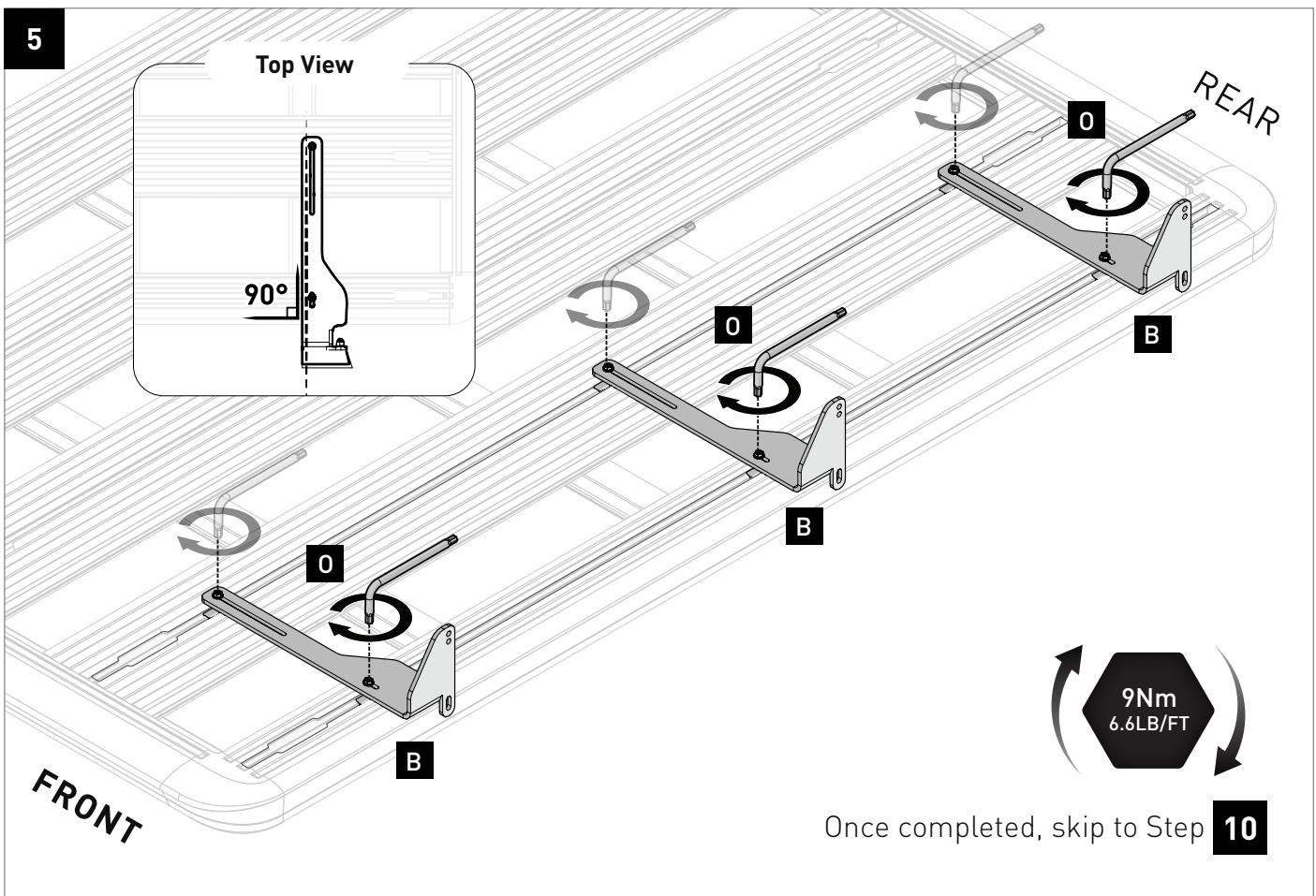
E



- 4 Move brackets to outermost edges of platform, avoiding channel apertures.



5

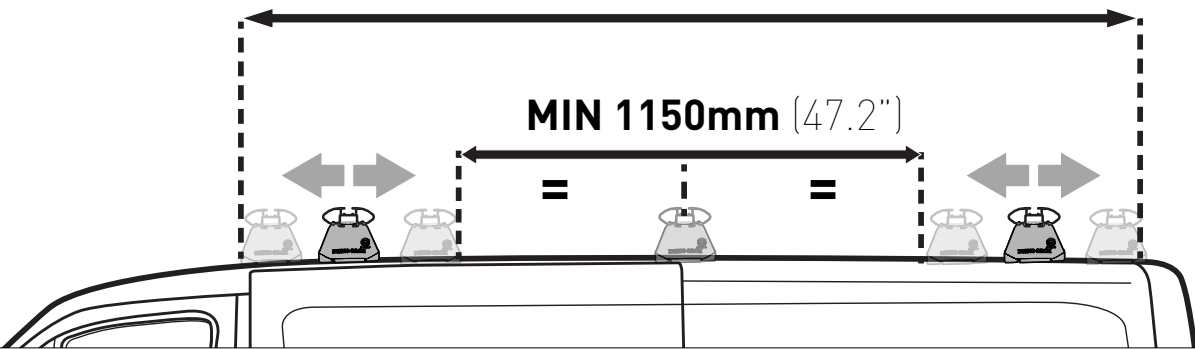


6

For **crossbars**, ensure the distance between the **front and rear bars** falls within the required bar spacing.

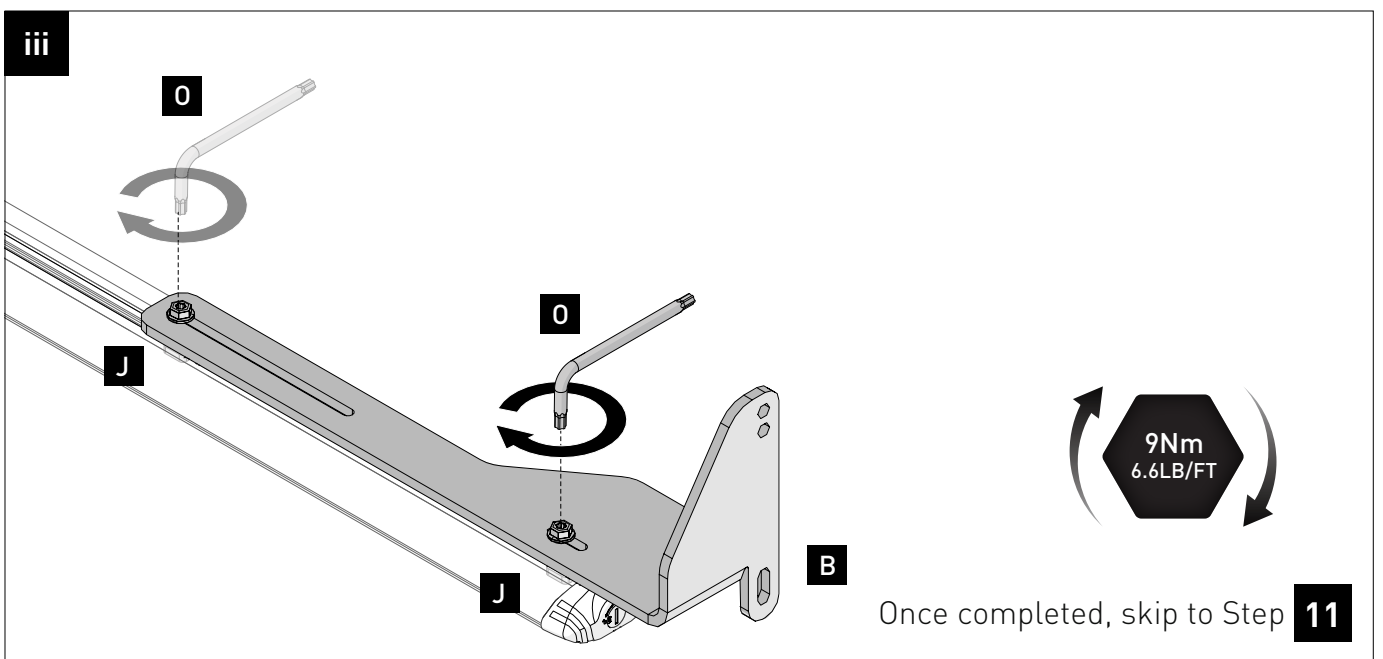
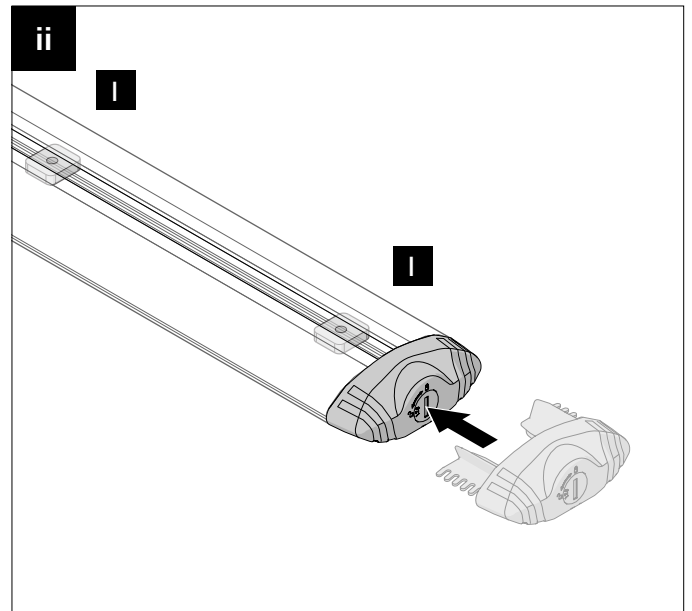
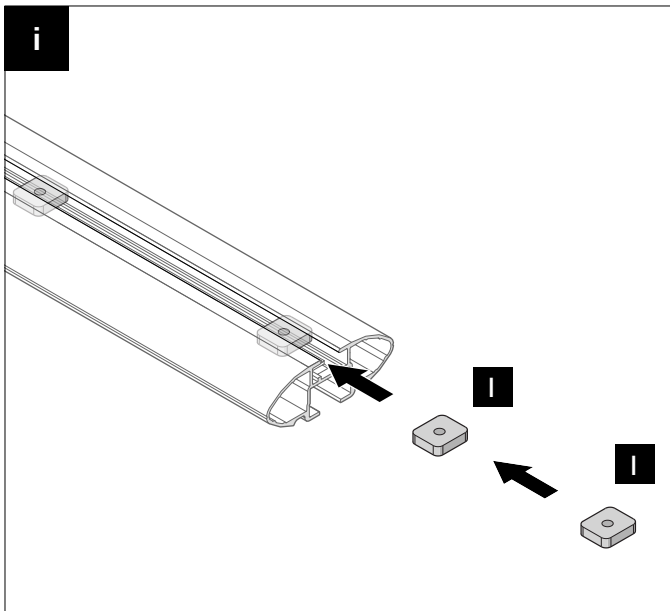
**MAX 2100mm (82.5")**

**MIN 1150mm (47.2")**



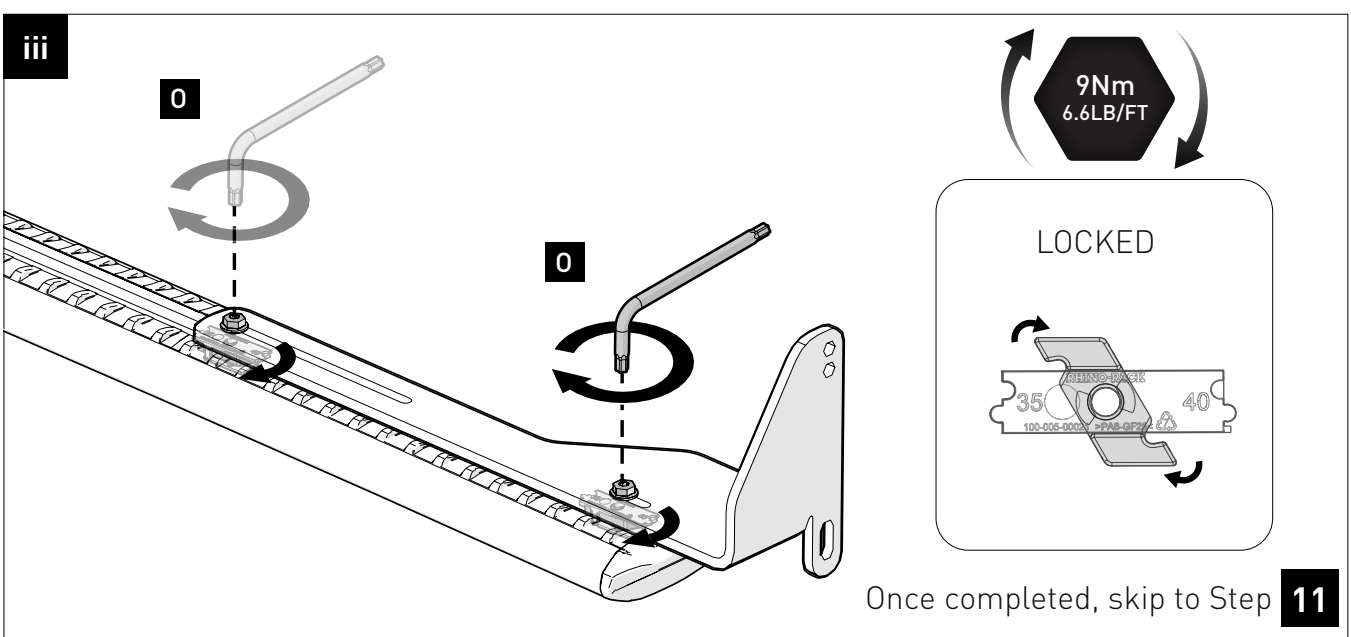
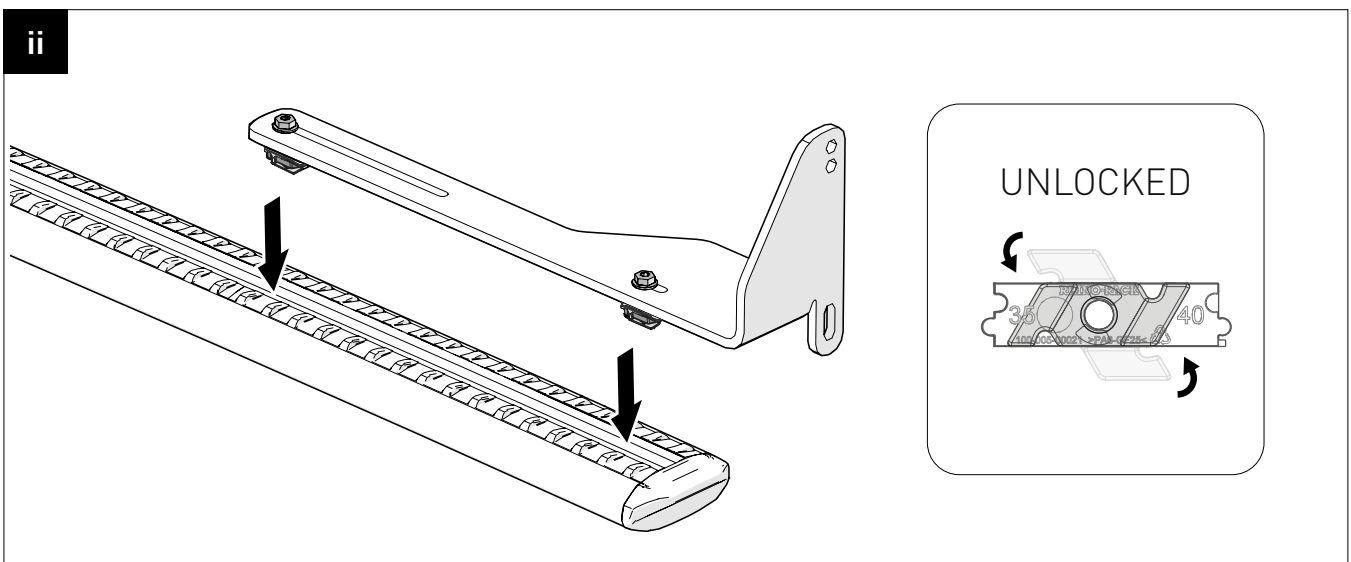
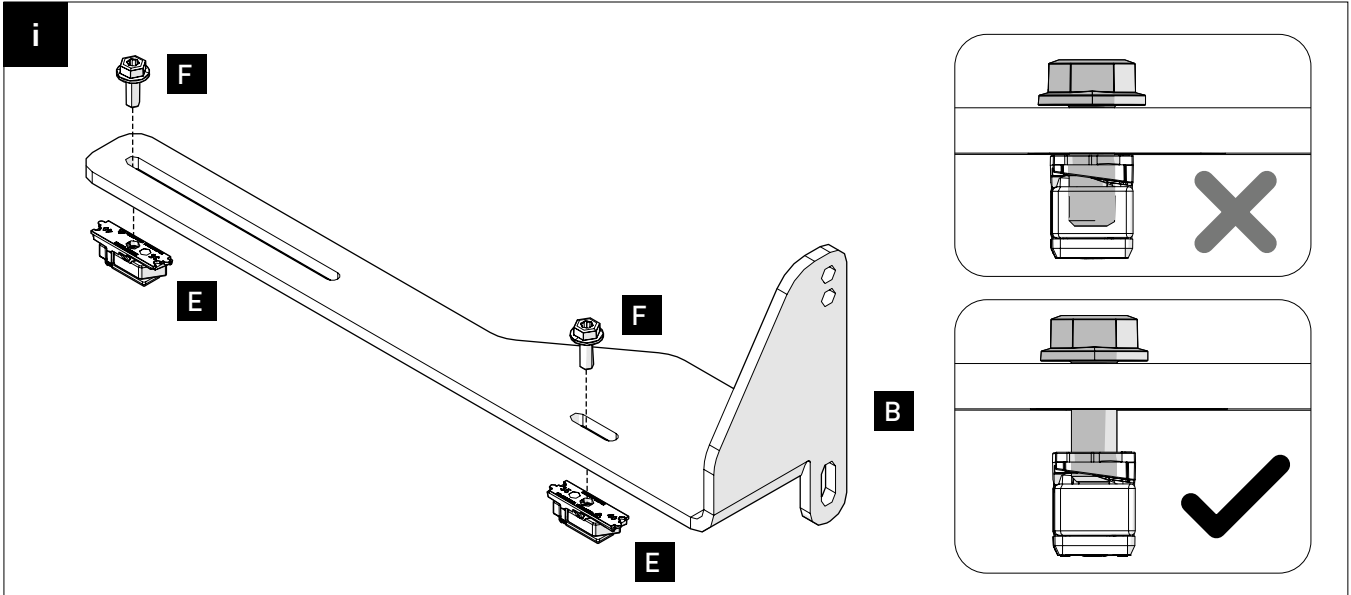
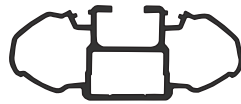
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### VORTEX CROSSBAR:



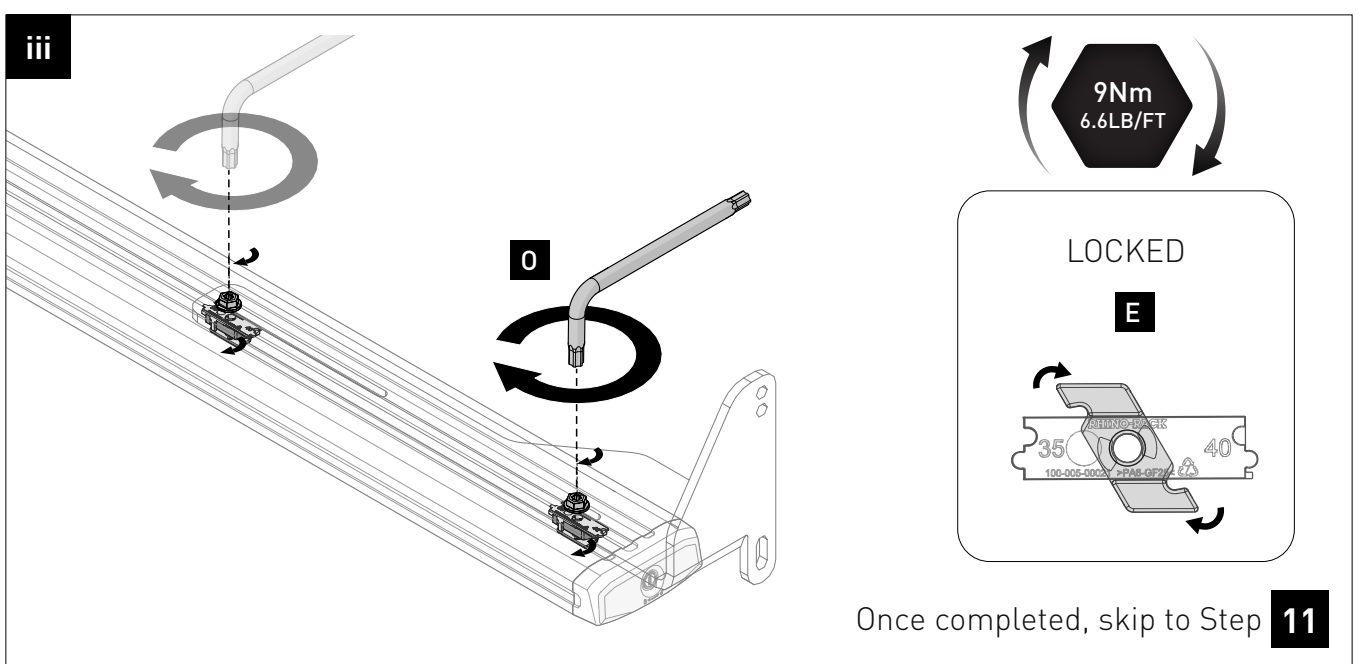
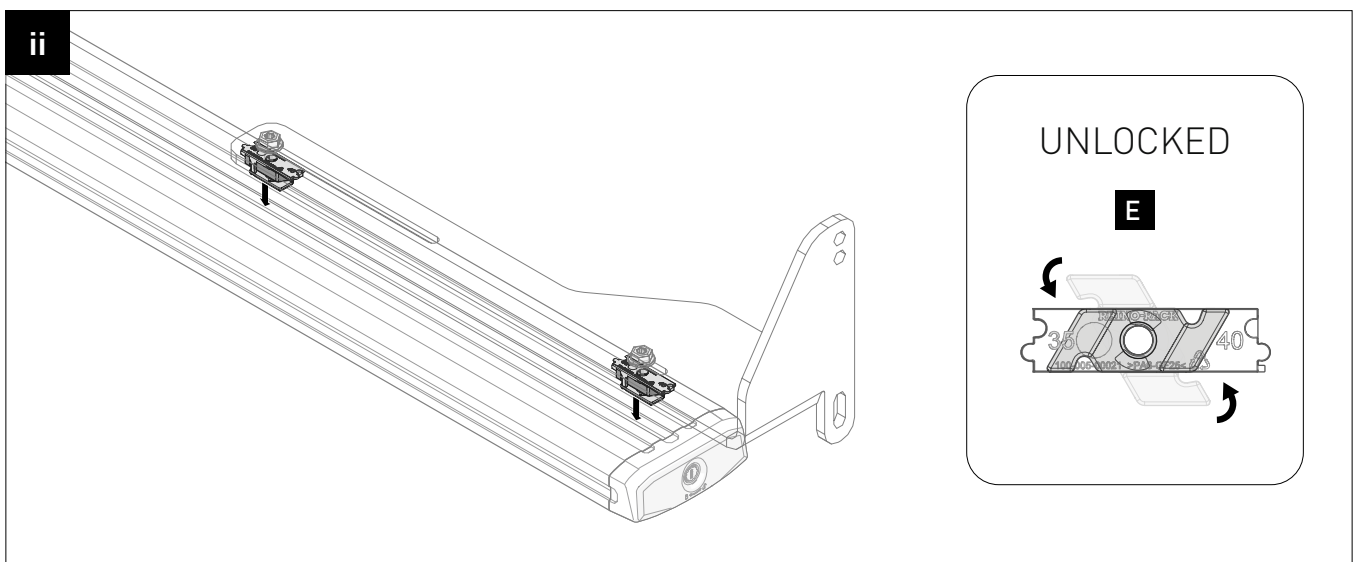
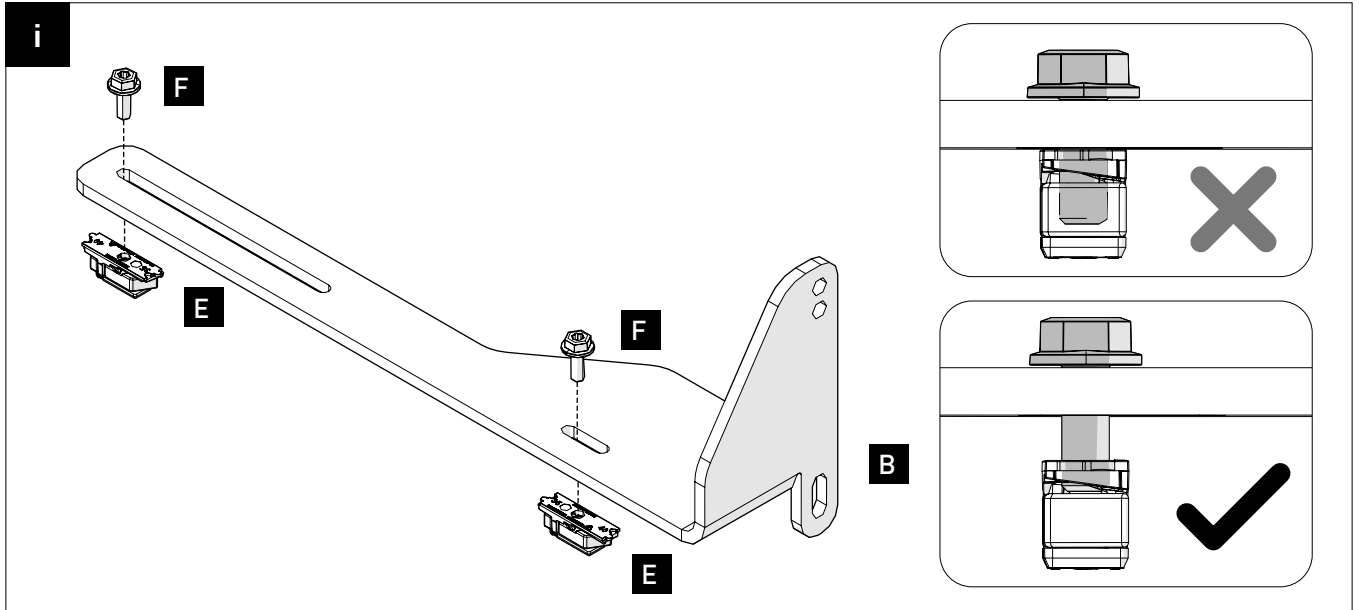
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# **SPORTZ CROSSBAR:**



9

# **RECONN-DECK™ CROSSBAR:**

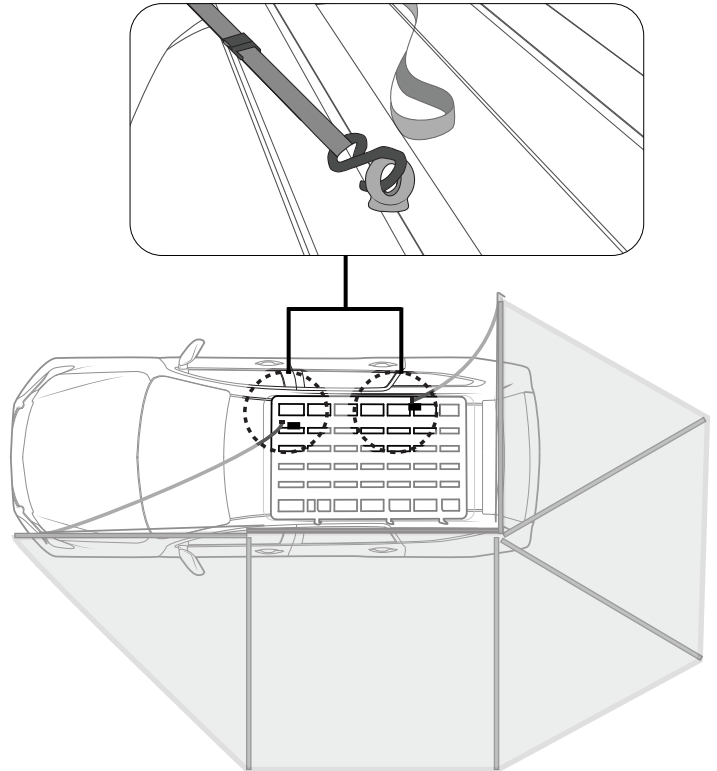




**NOTE**

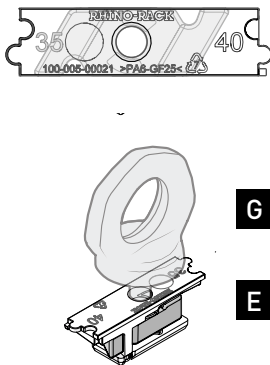
**Eye Bolts** will be used as **tie-down points** for the awning when it is open.

For **RECONN-DECK**, **VORTEX BAR**, & **SPORTZ** Skip to next page.

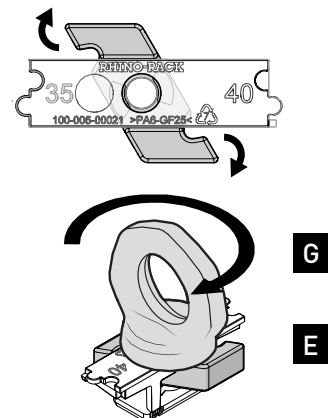


**ZWIFLOC™ Lock Guide**

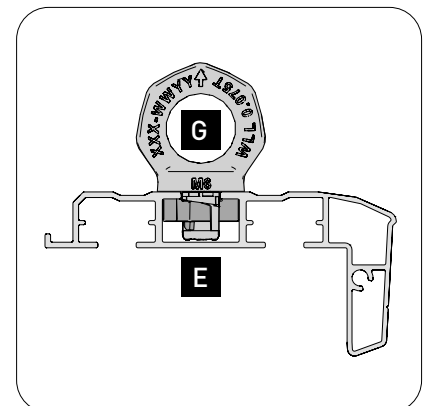
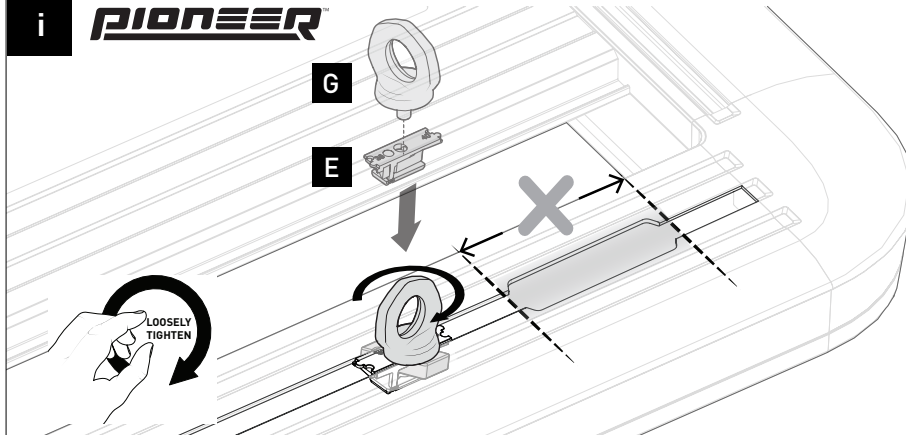
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LOCKED



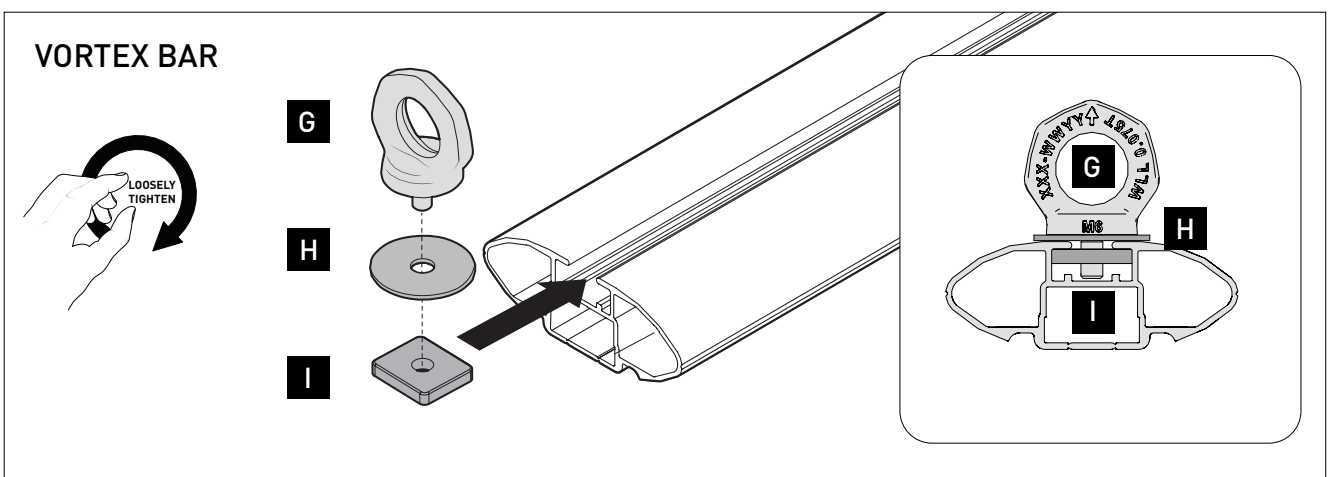
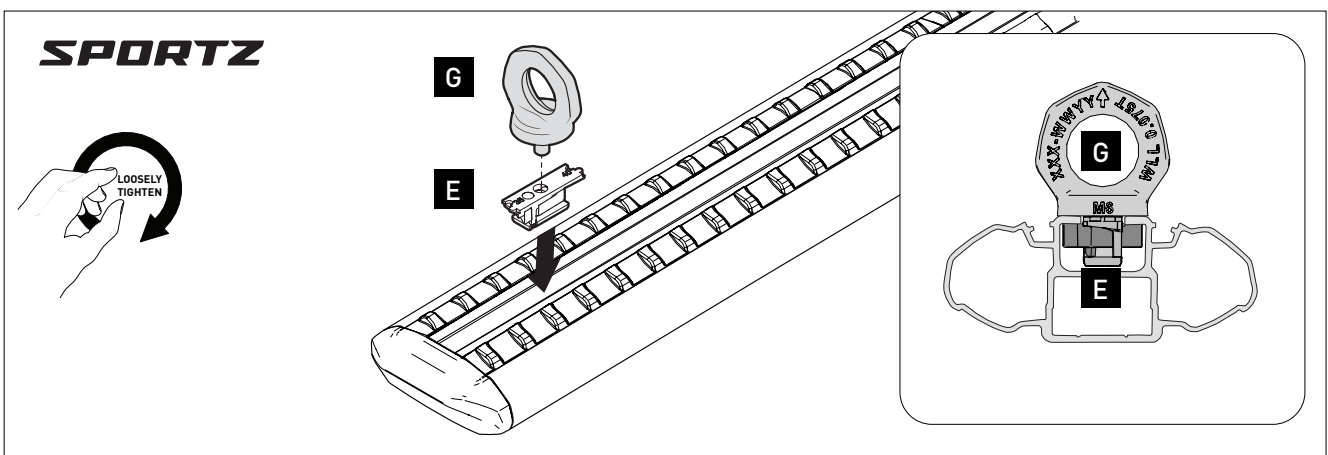
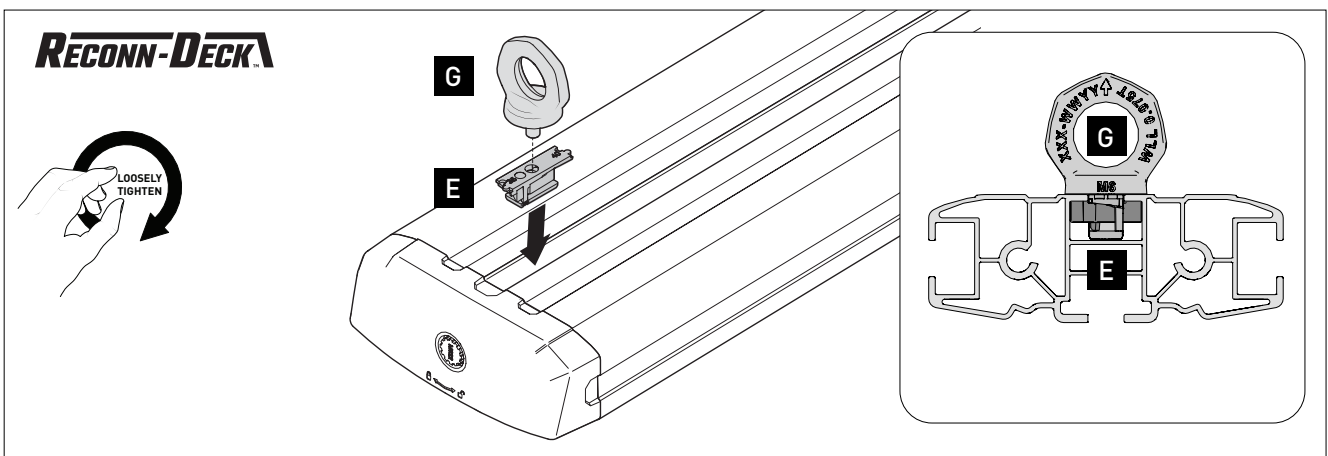
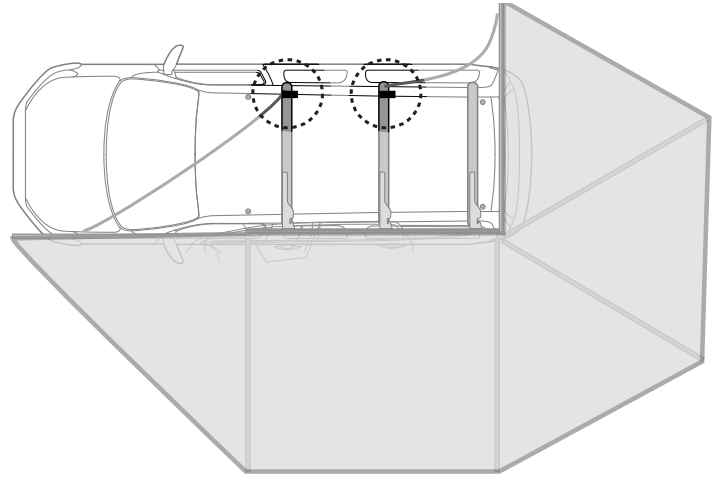
**i PIONEER™**



Once completed, skip to Step **12**

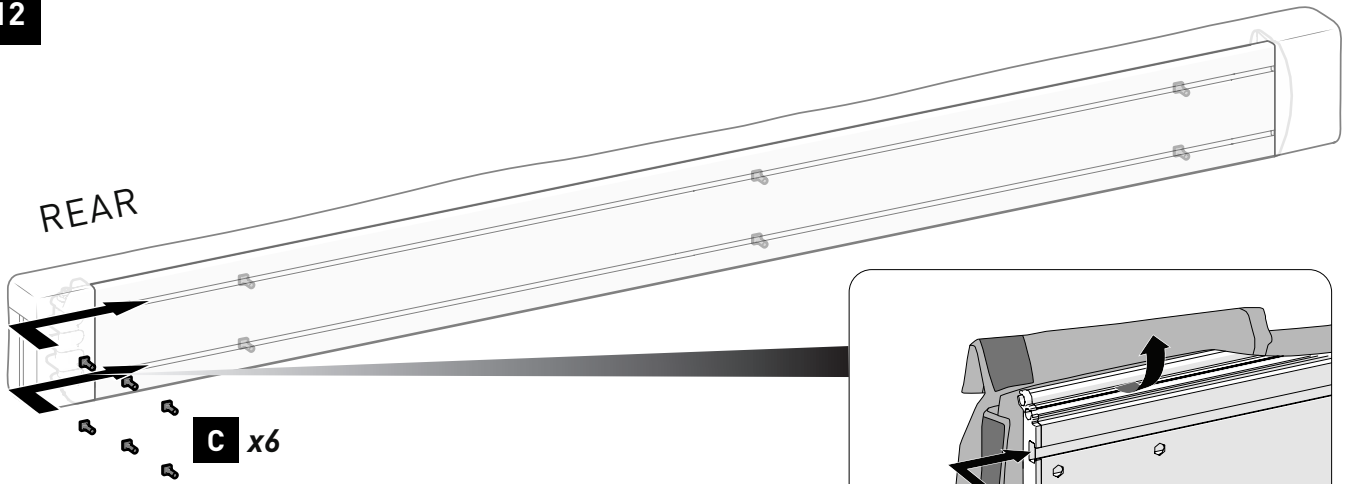
# NOTE

For **crossbar** configurations, use the **front two bars** on the opposite side of the awning to attach the eyebolts.



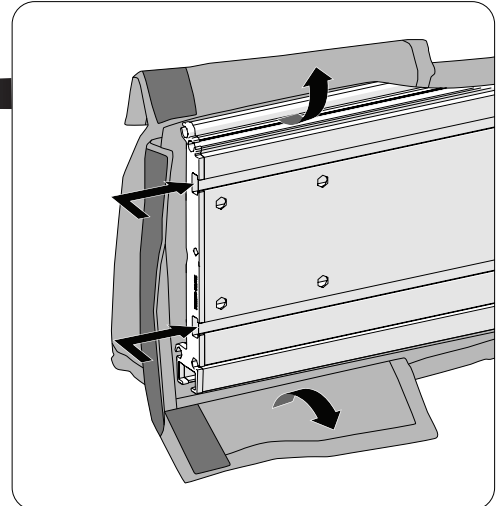


12



**NOTE**

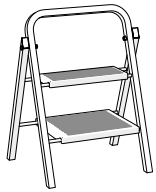
Open the **VELCRO®** cover to access the **channel openings**.



13 Locate **T-bolts** **C** ) in to bracket holes and finger tighten **Nyloc Nuts** **D** ).

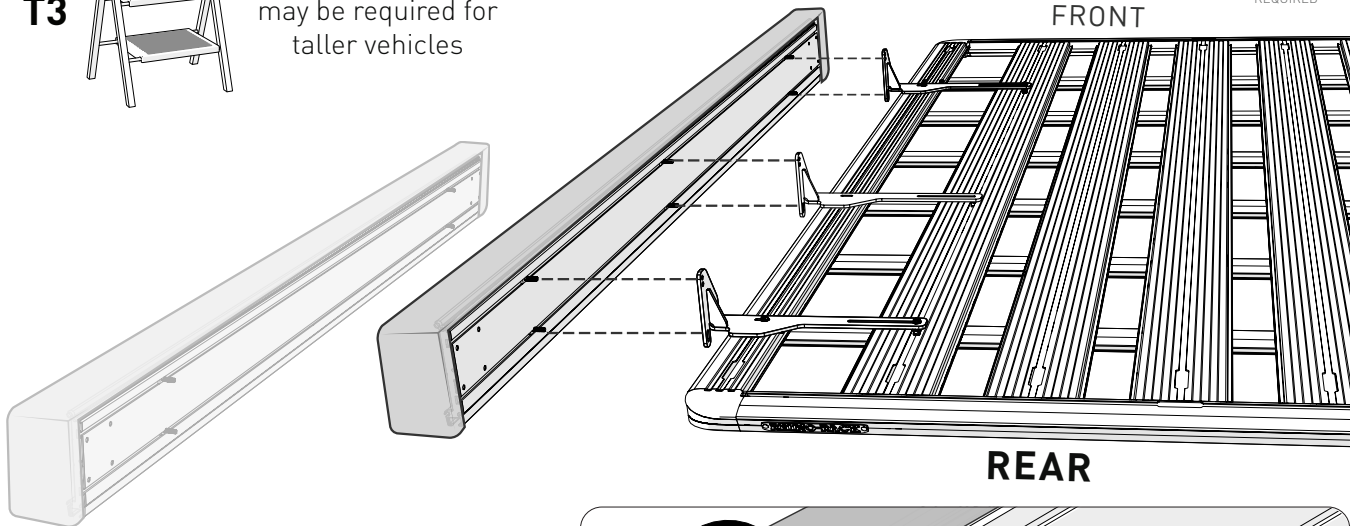


T3

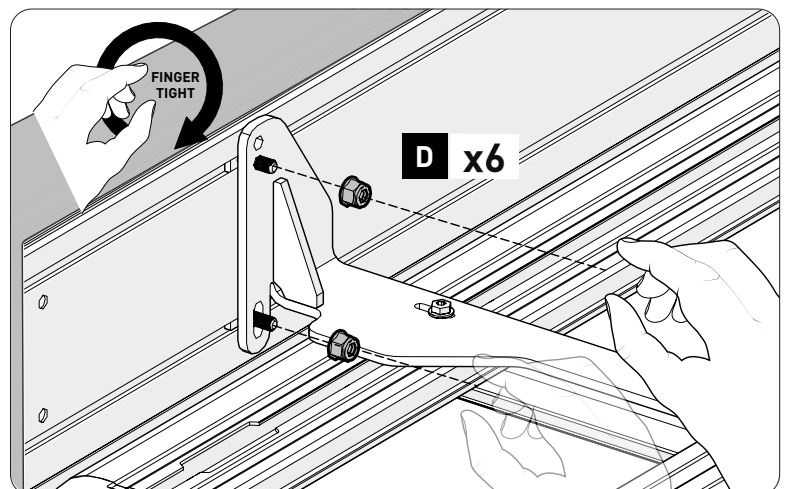


**NOTE:** Step Ladder may be required for taller vehicles

FRONT

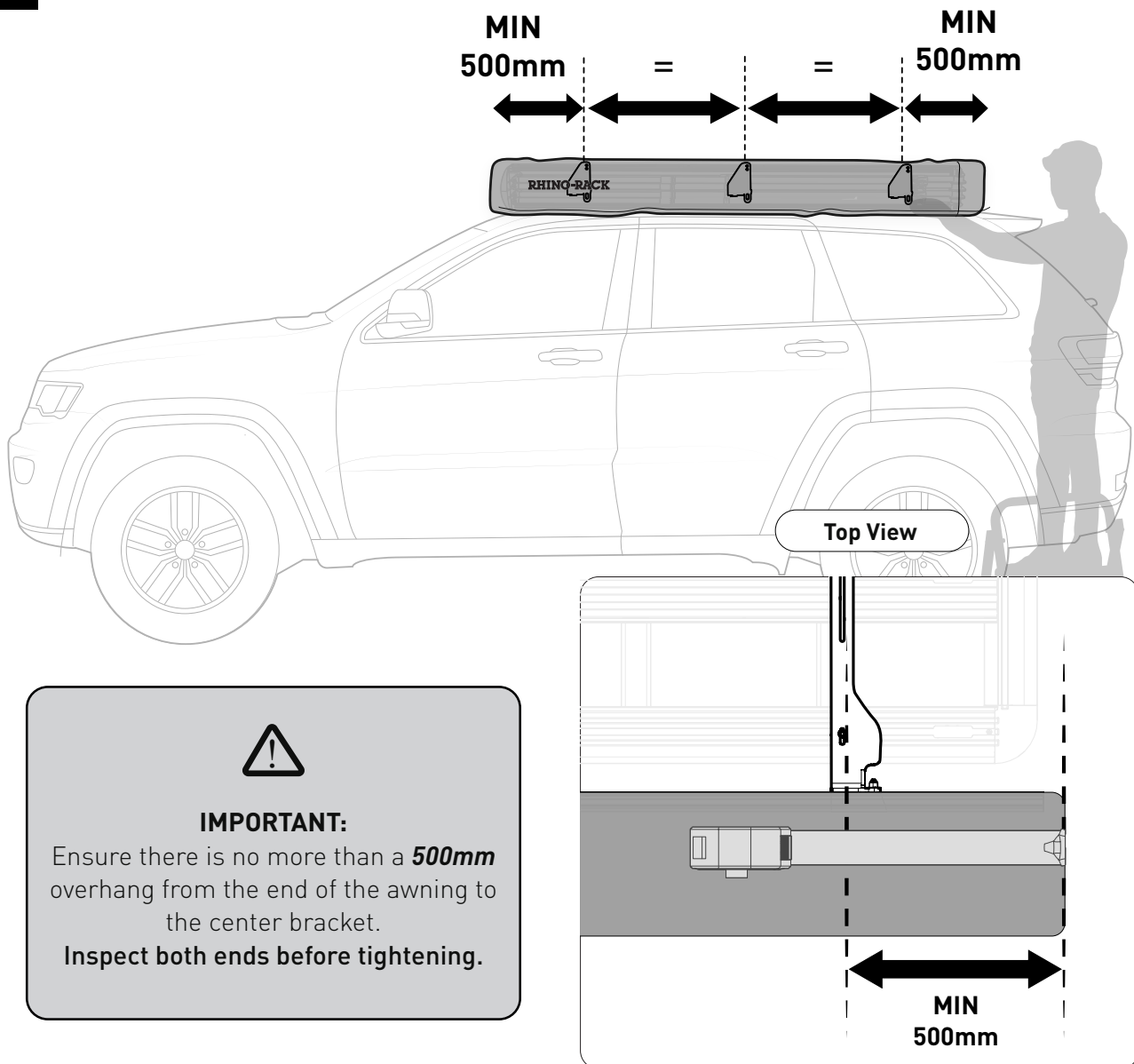


REAR

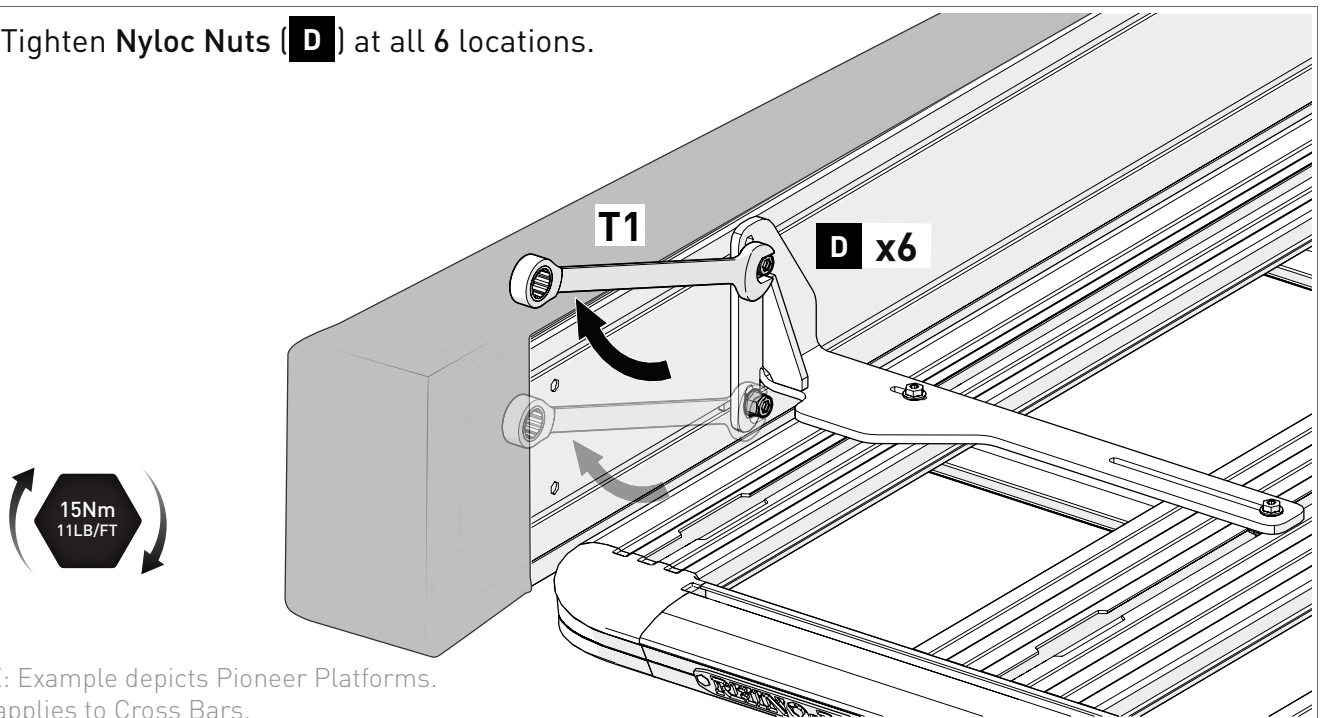


NOTE: Example depicts Pioneer Platforms. Also applies to Cross Bars.

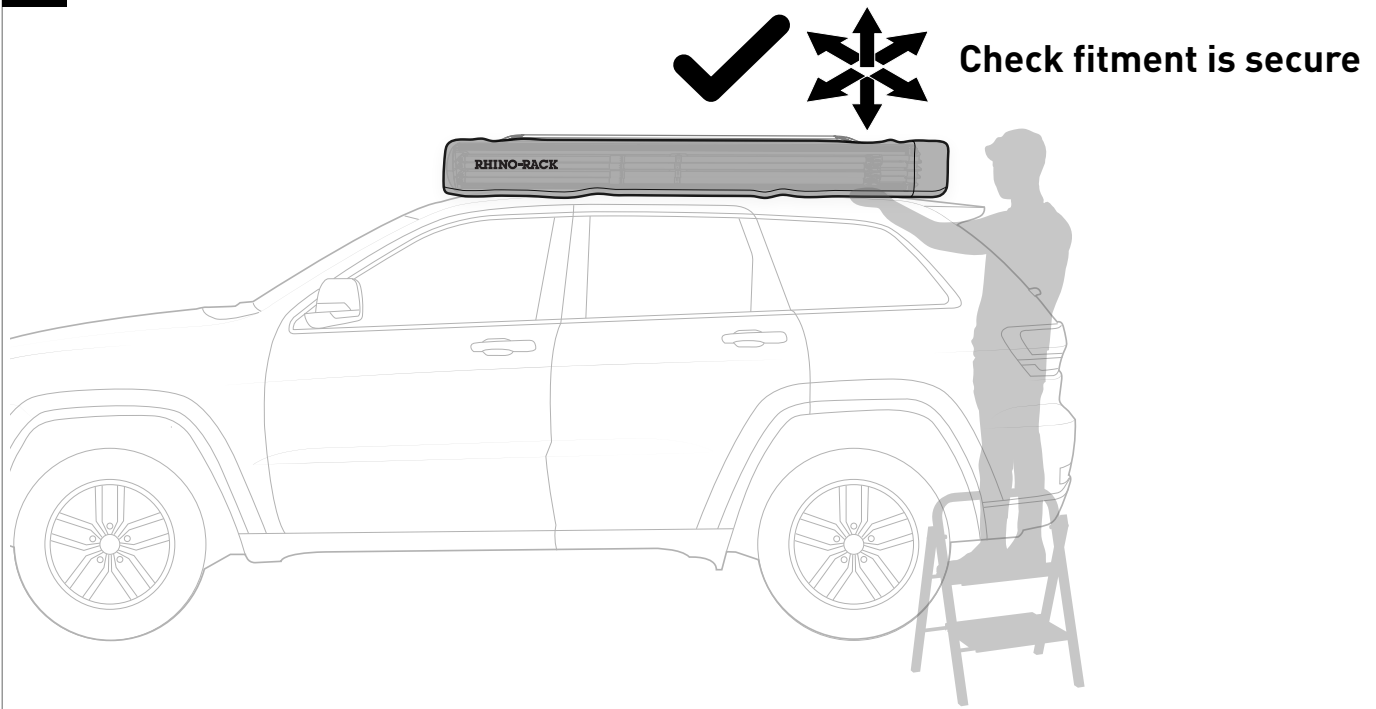
14



**15** Tighten Nyloc Nuts (**D**) at all 6 locations.



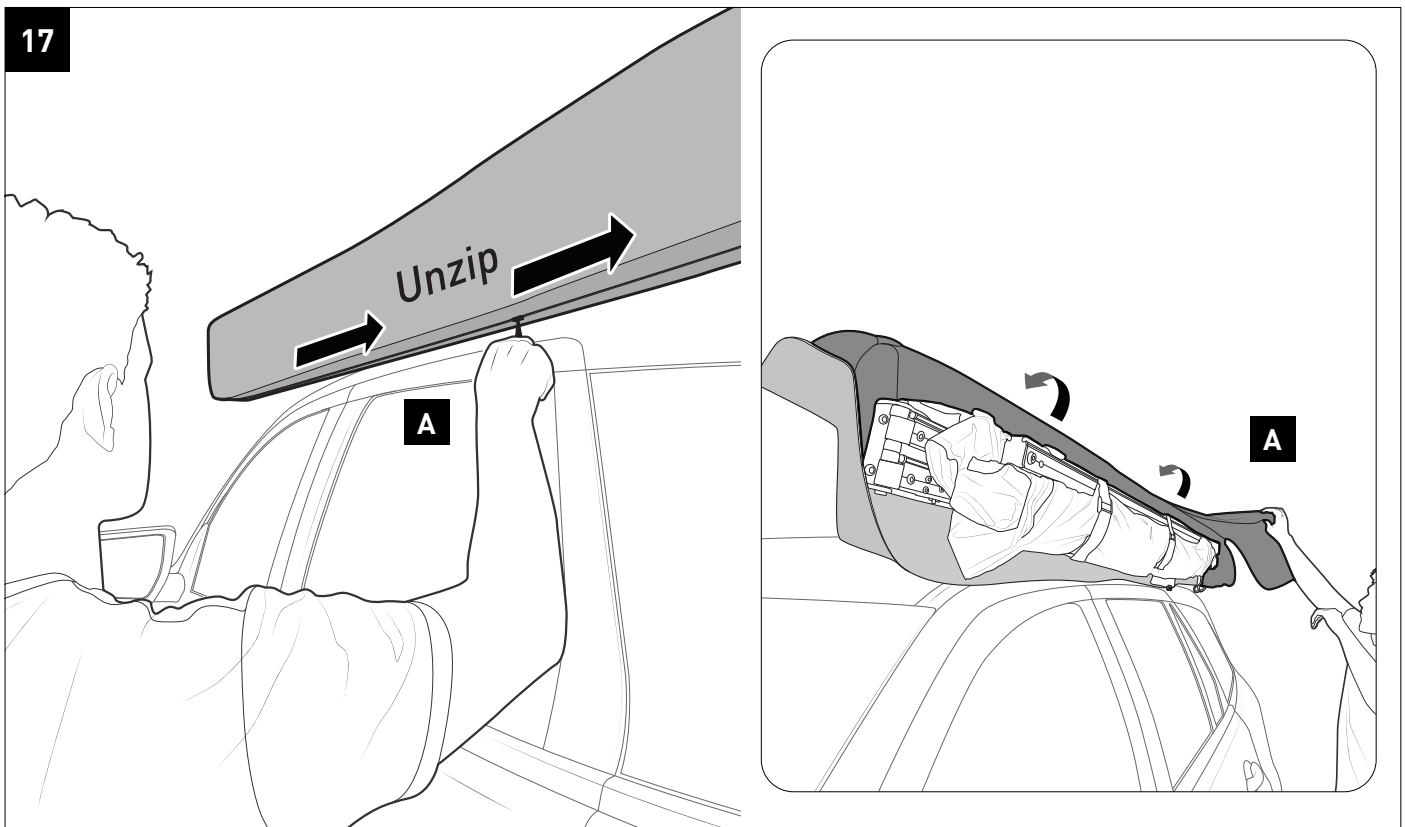
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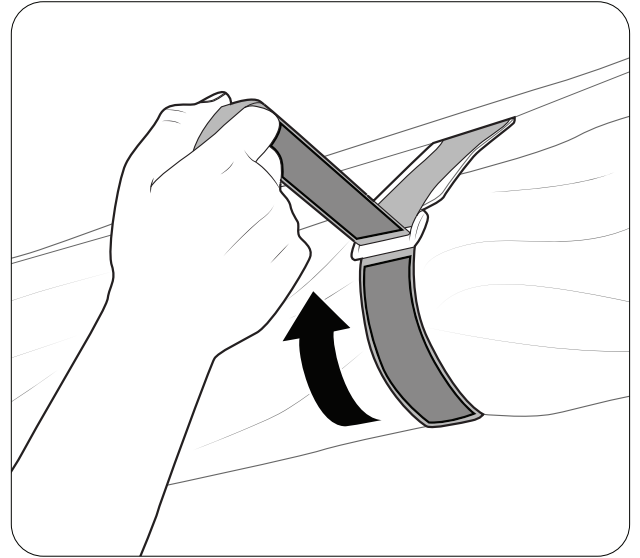
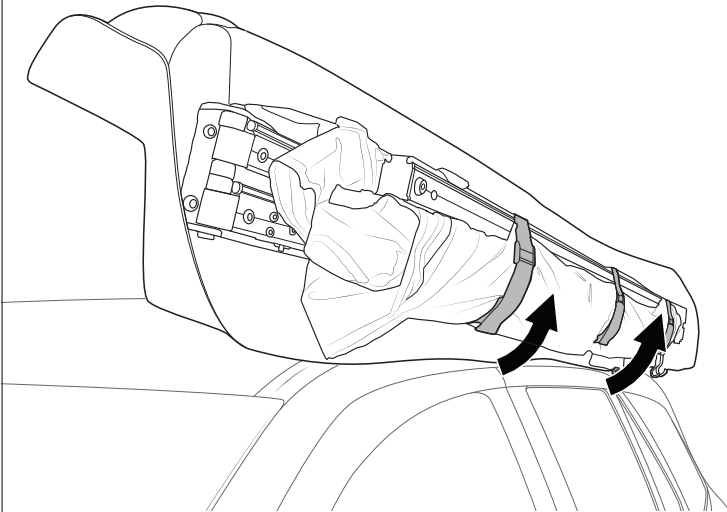
**IMPORTANT:** Ensure the weight of the awning is correctly supported by the brackets. Failure to check bracket engagement may lead to slippage of the awning and subsequent damage to side of vehicle. **Inspect all three connections overhead before releasing.**

## 270 AWNING OPERATION

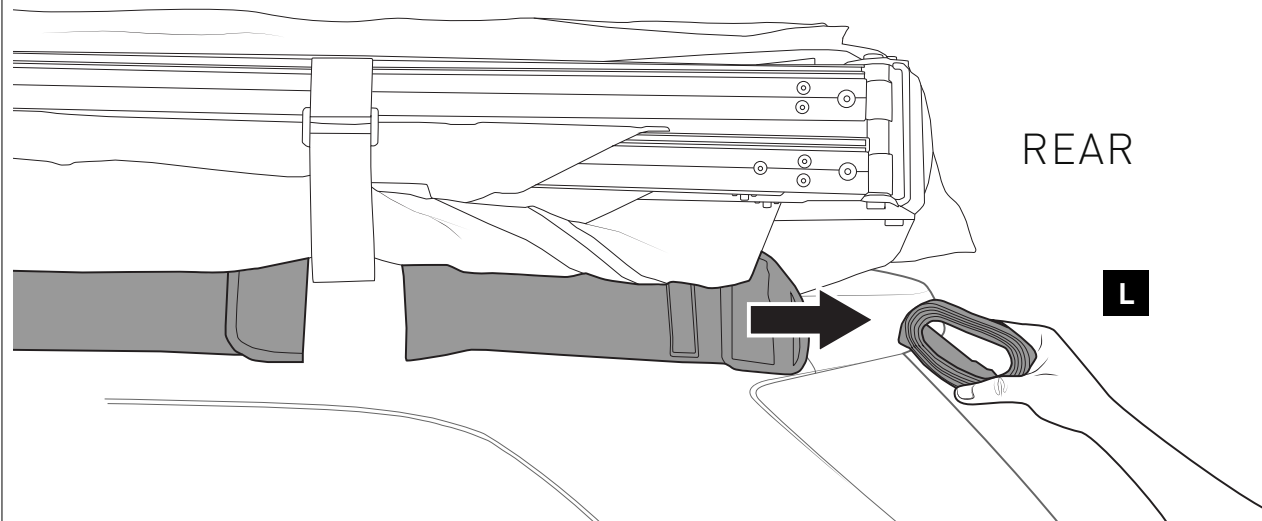
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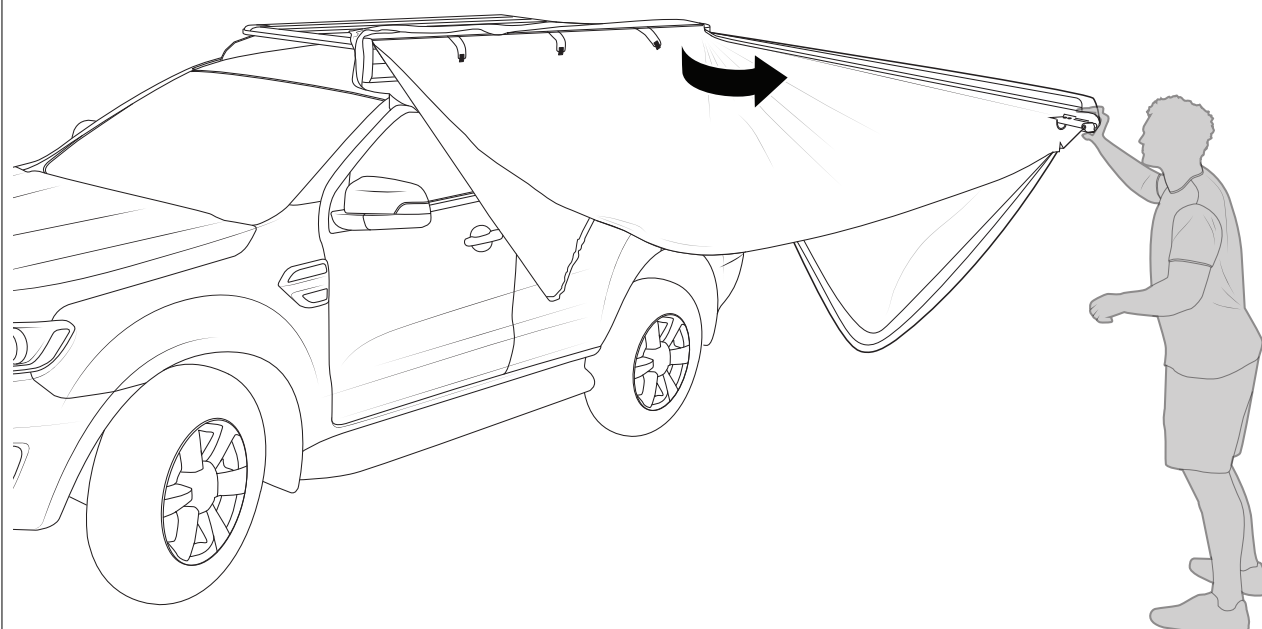
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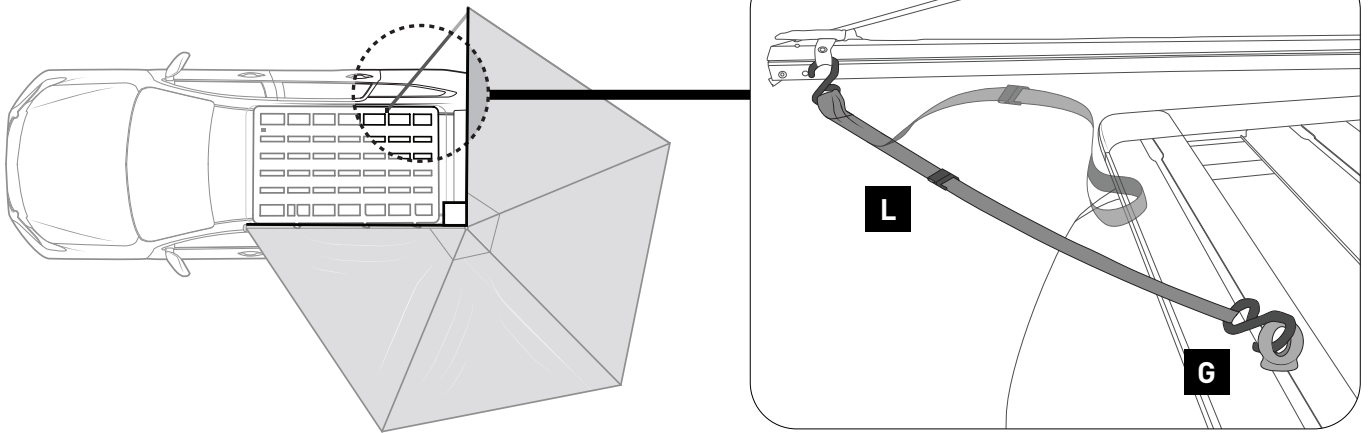
19 Retrieve the **Awning Straps** from the accessory bag.



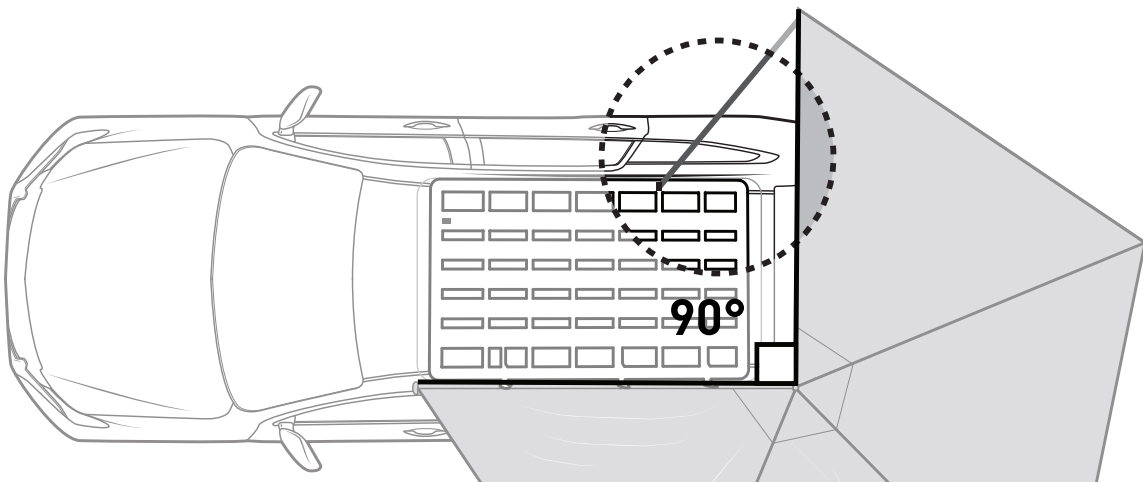
20 Open the **Rear Hinging Arm** towards the back of the vehicle.



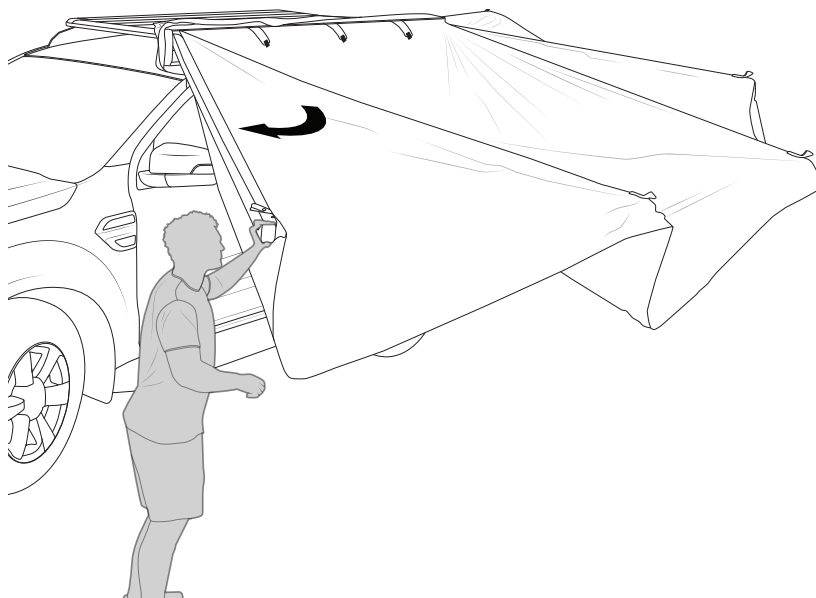
**21** To attach straps to use eyebolt installed in step **11** .



**22** Tighten the strap to achieve a **90°** angle.



**23** Open the **Front Hinging Arm** awning arm towards the front of the vehicle.

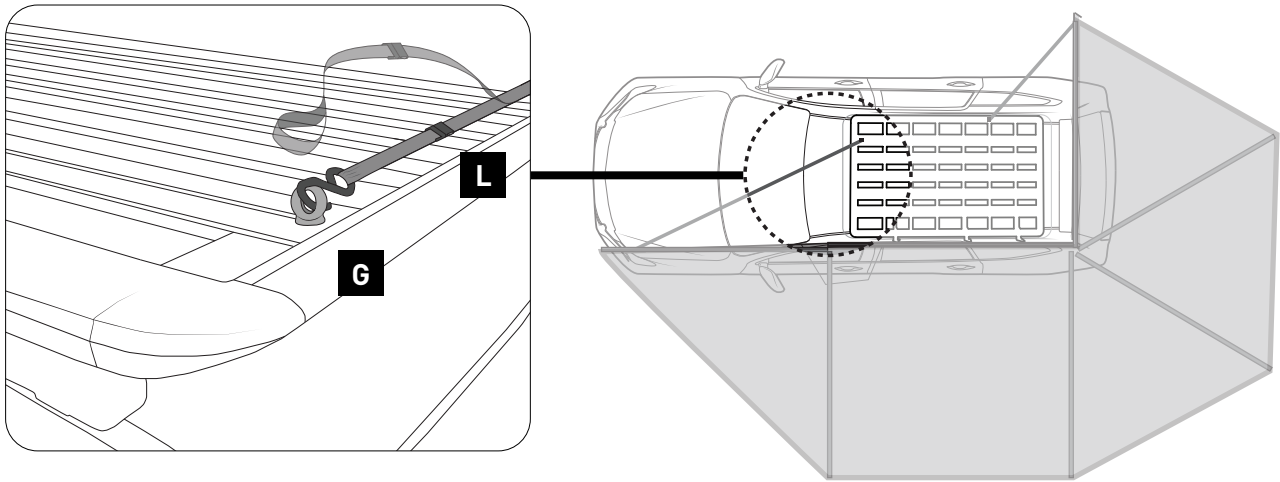


**NOTE**

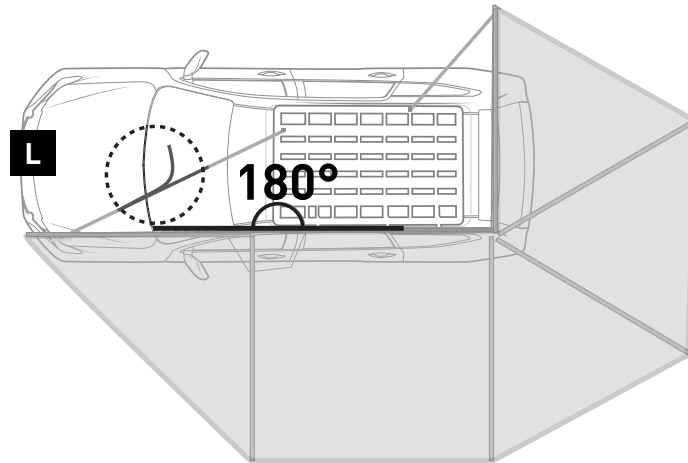
Hold the **awning fabric up** to locate the remaining awning arms.



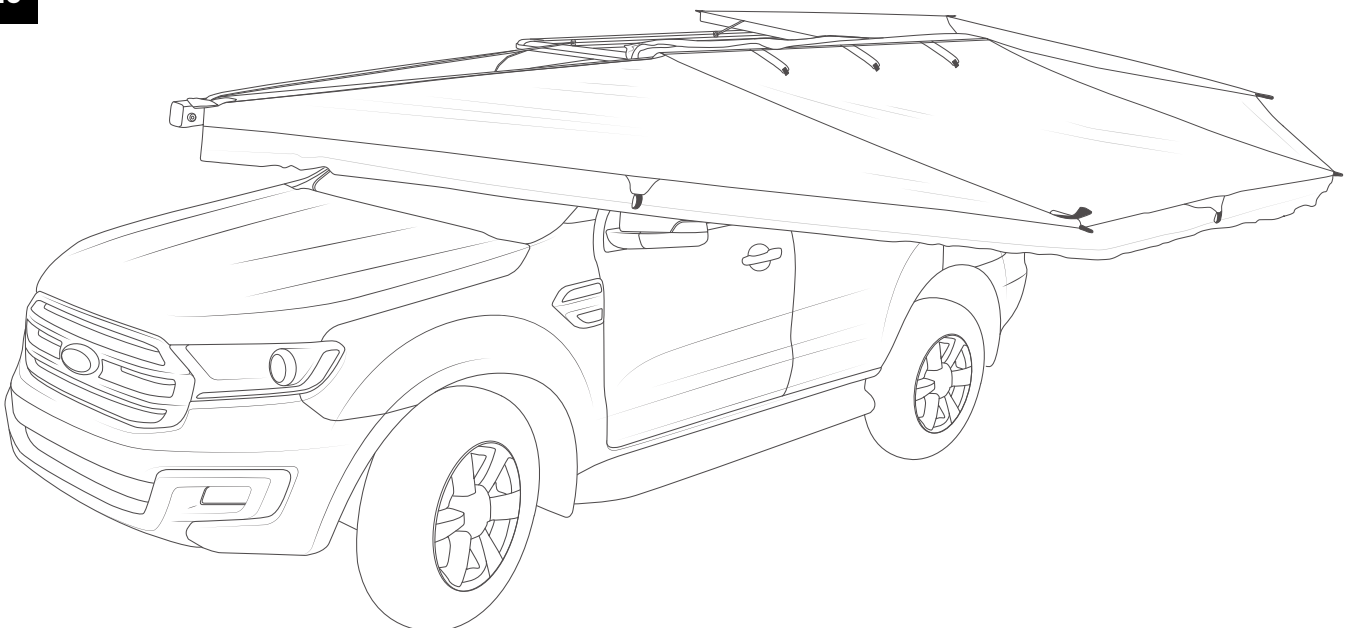
**24** To attach straps to use eyebolt installed in step **11**.



**25** Tighten the strap to achieve a **180°** angle.



**26**



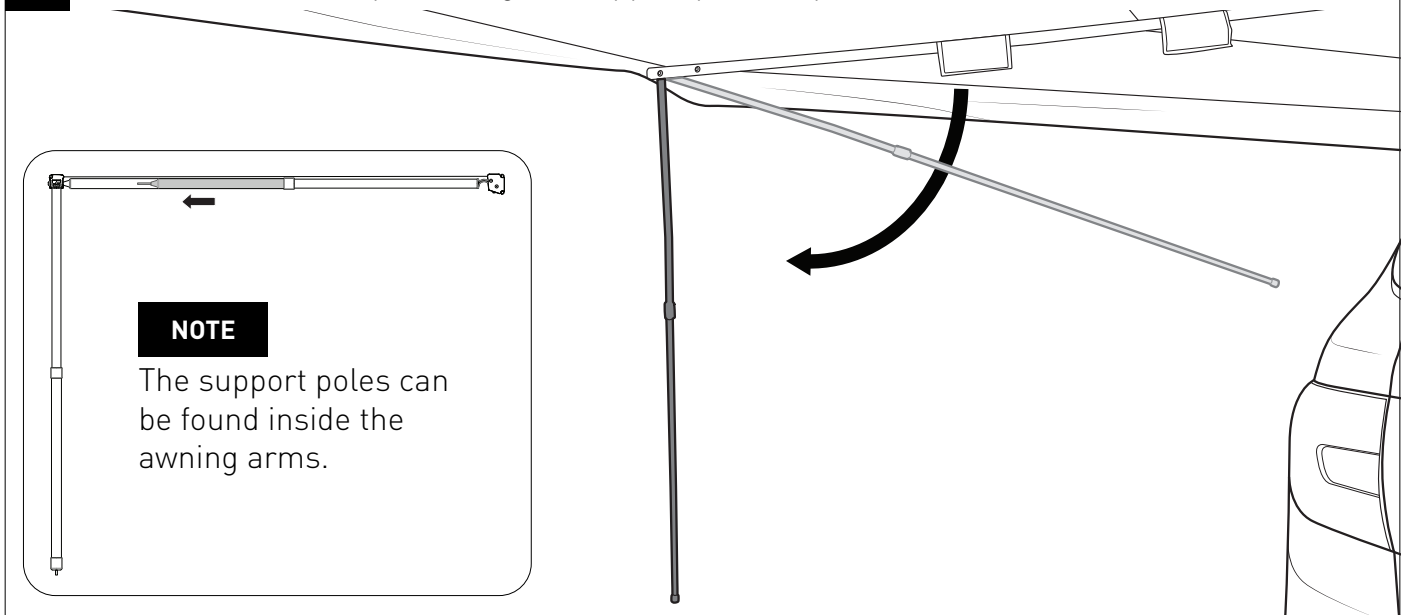
**Set up** Complete.



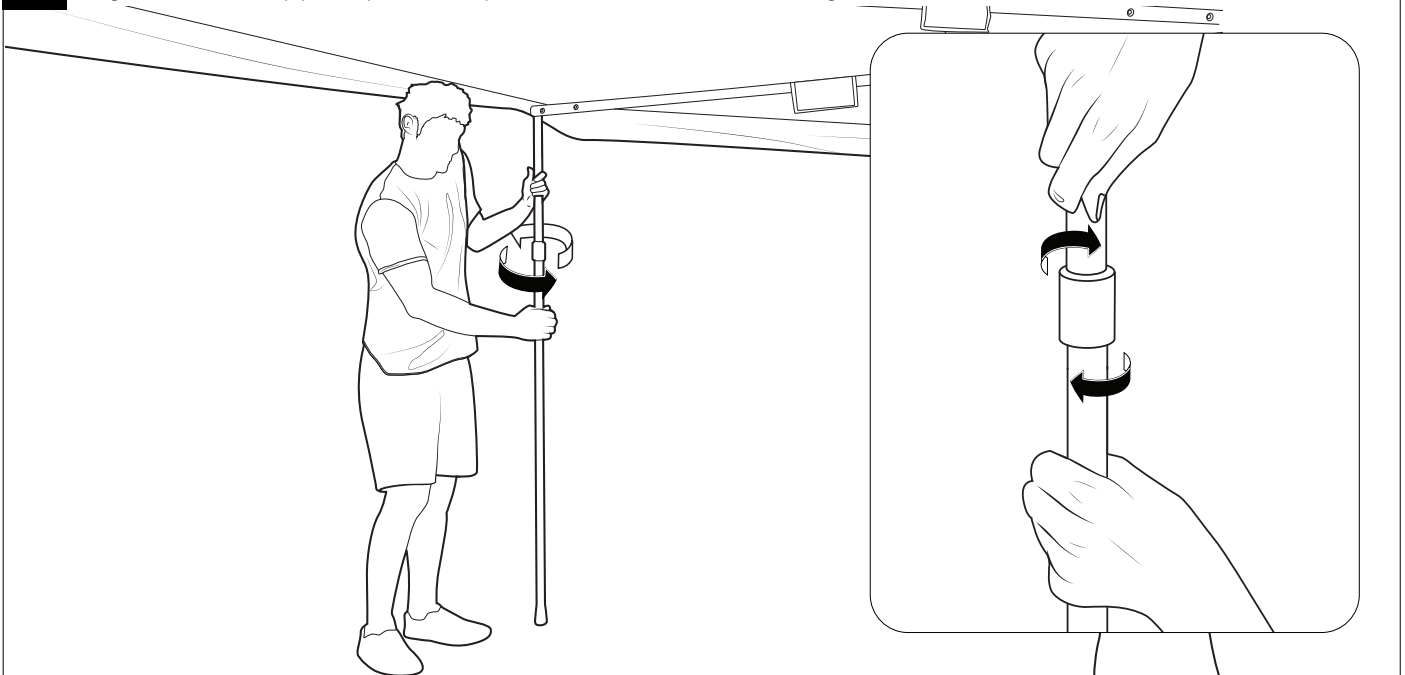
## Support Pole Deployment (Optional)

(In **windy** or **rainy** conditions, support poles **must** be used to provide stability and prevent damage.)

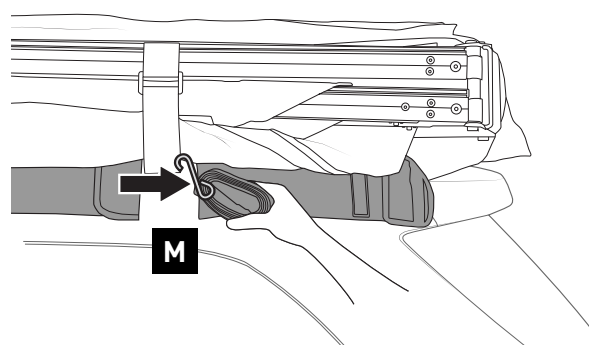
- i** Undo the velcro straps holding the support poles in place and lower them.



- ii** Tighten the support poles in place at the selected height.



- iii**



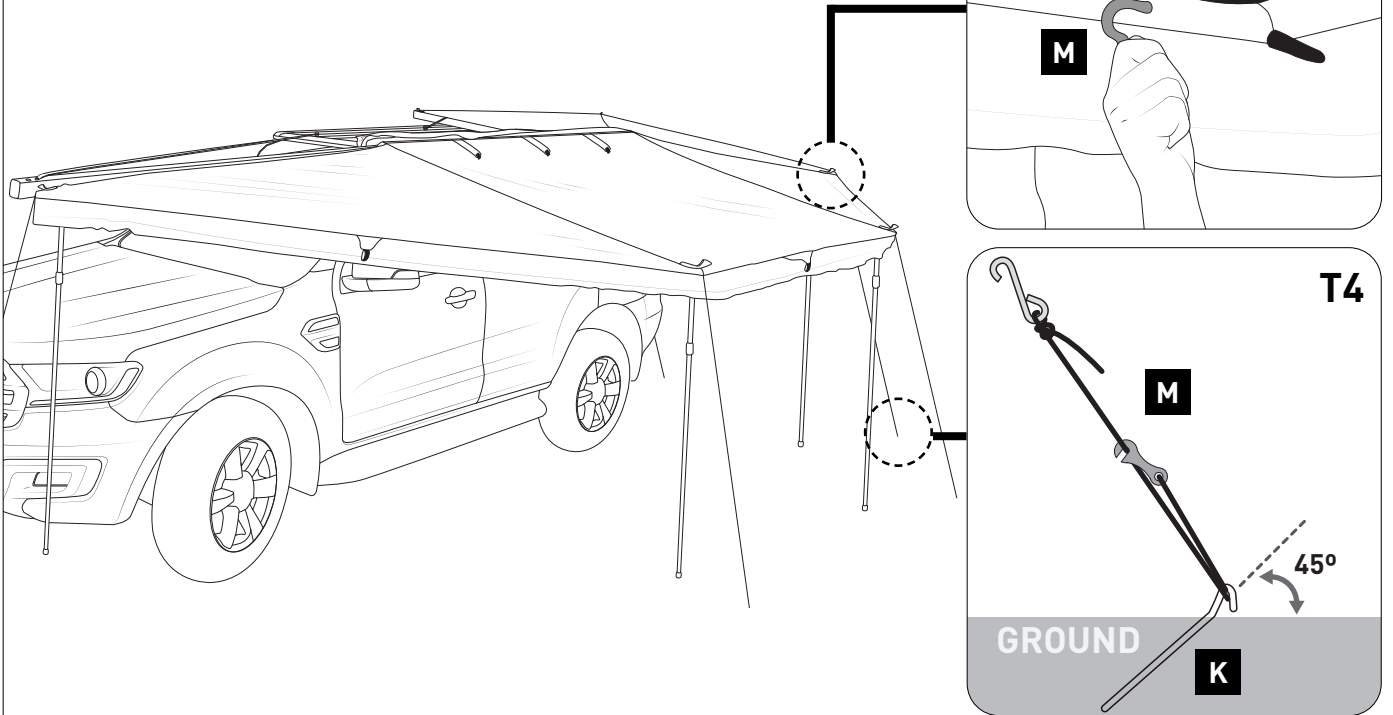
**NOTE**

Guy ropes are stored in the **accessory bag** attached to the base of the awning.

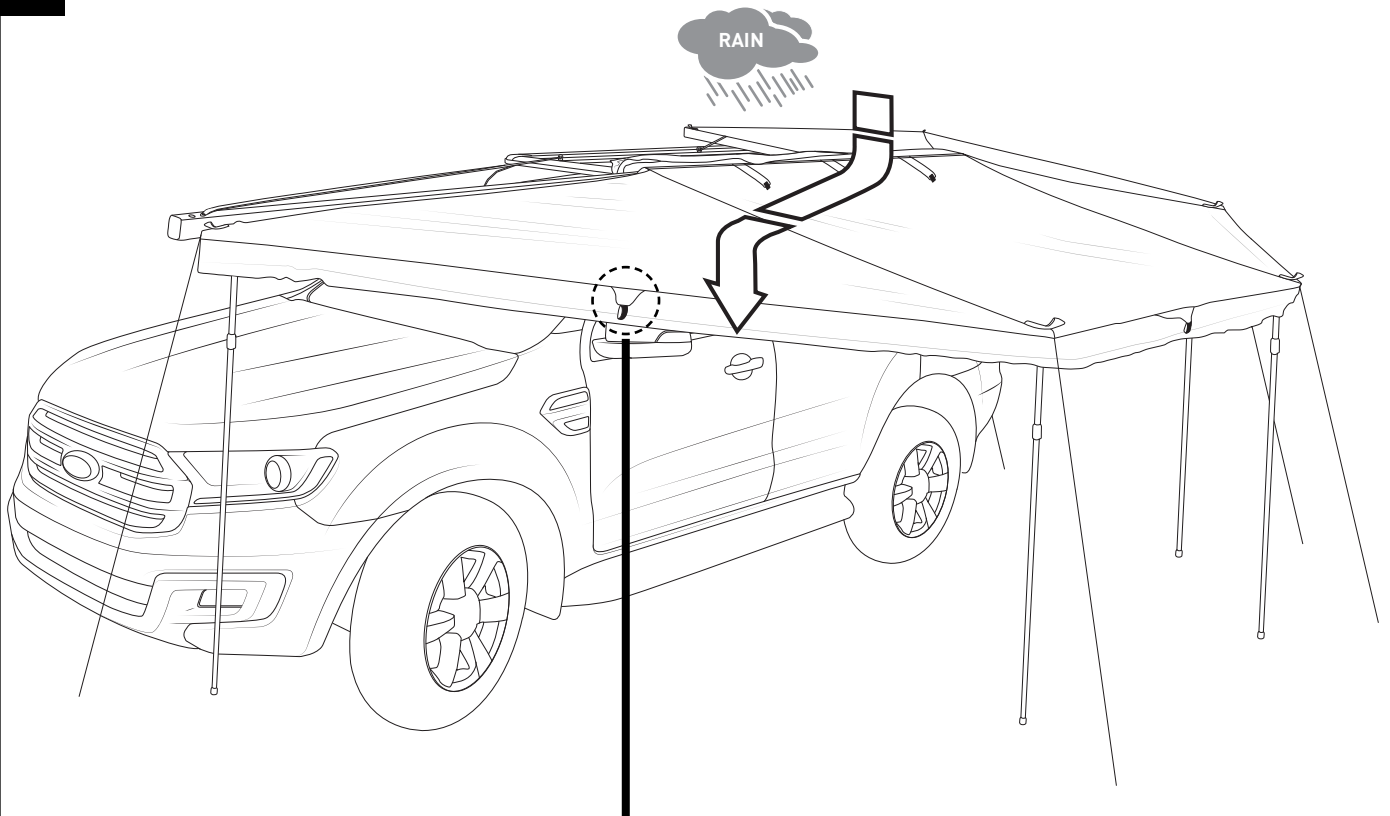


iv

Hook the guy ropes to the awning, fixing it in place as shown.



v



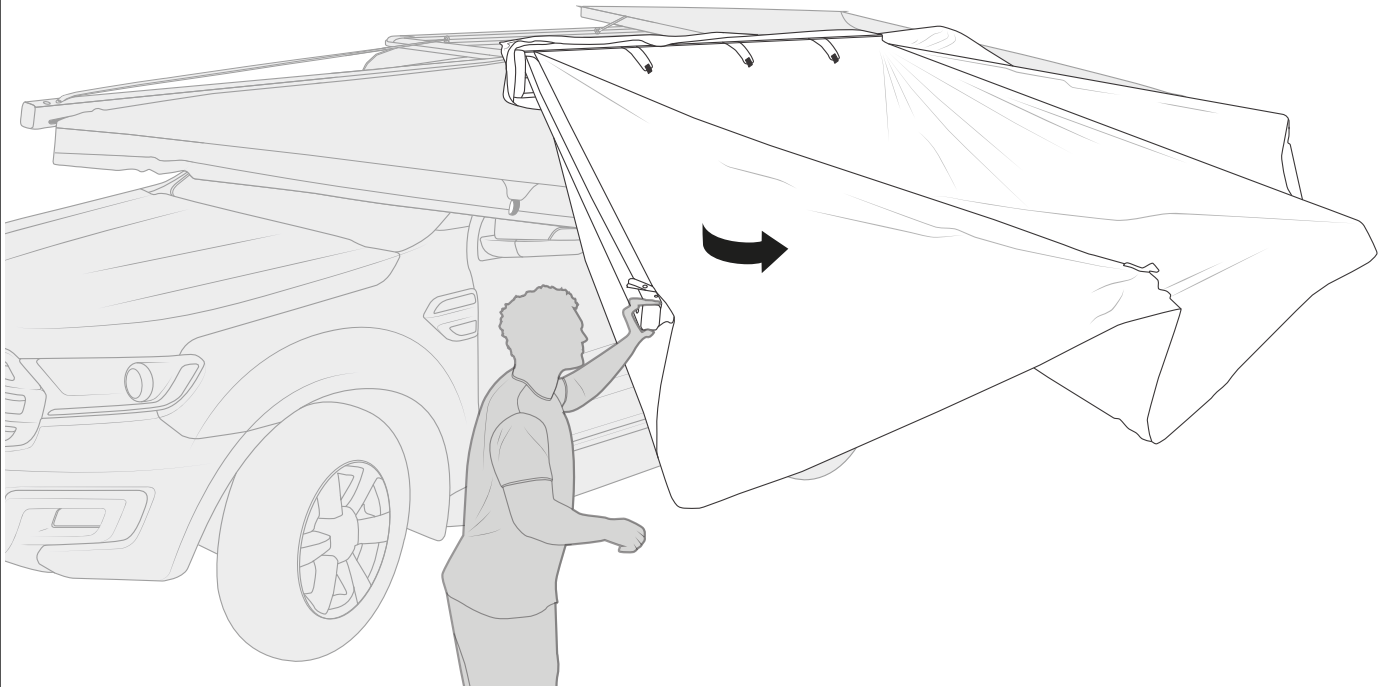
**NOTE:** When raining, lower poles and tension guy ropes to help rain flow off awning freely. Attach guy ropes to the holes on the middle of the wing to help rain flow.



## STOWAGE INSTRUCTIONS

[Completion of Steps **17** - **26** in REVERSE order. Use below steps for reference]

- 27** Release the front strap and proceed to close the **front** awning arms.

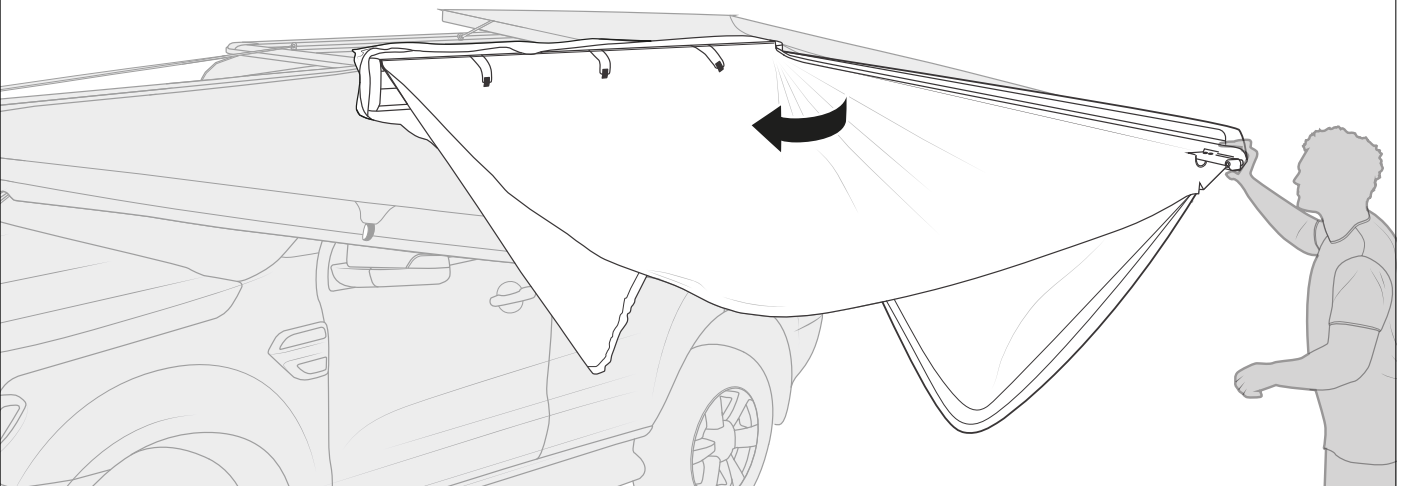


### NOTE

Hold the **awning fabric up** as the front awning arms are put away.



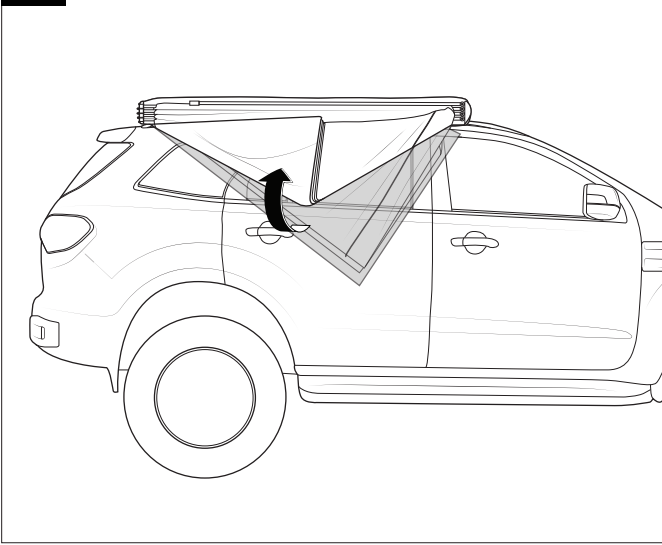
- 28** Release the rear strap and proceed to close the **remaining** awning arms.



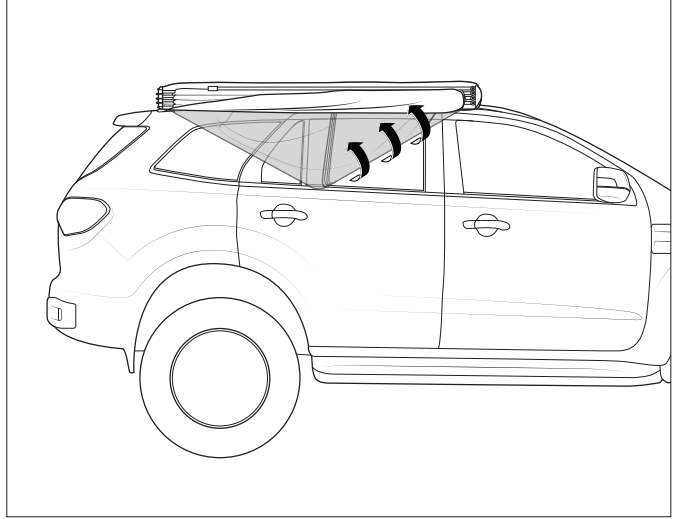
## STOWAGE INSTRUCTIONS

(Completion of Steps **17** - **26** in REVERSE order. Use below steps for reference)

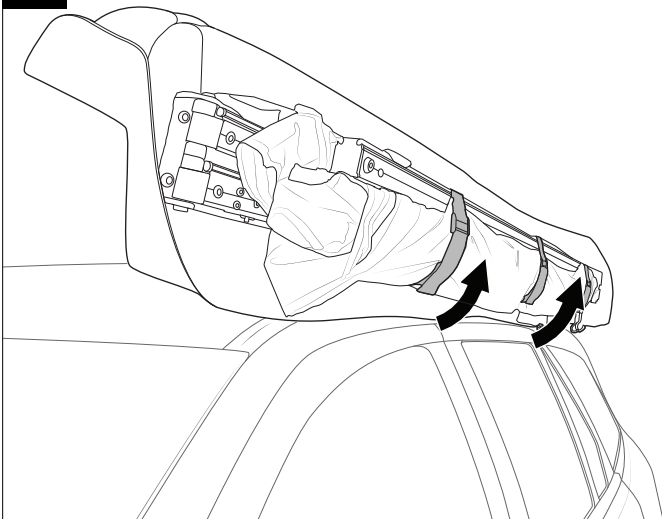
**29a** Fold the awning material in half.



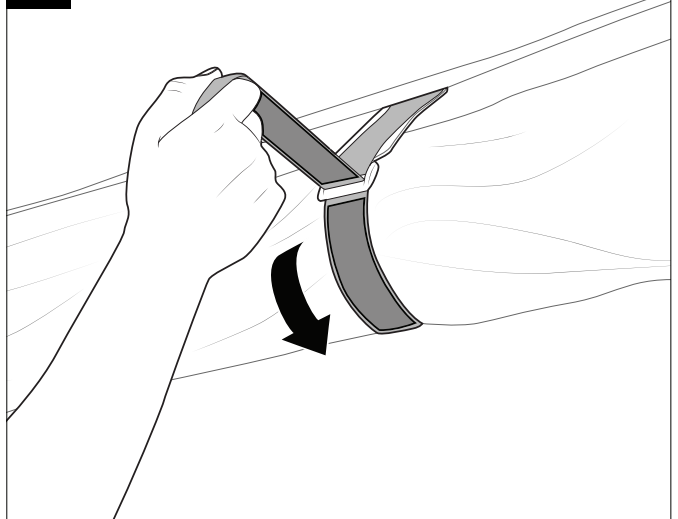
**29b** Roll the material from the front edge back up into its original setting.



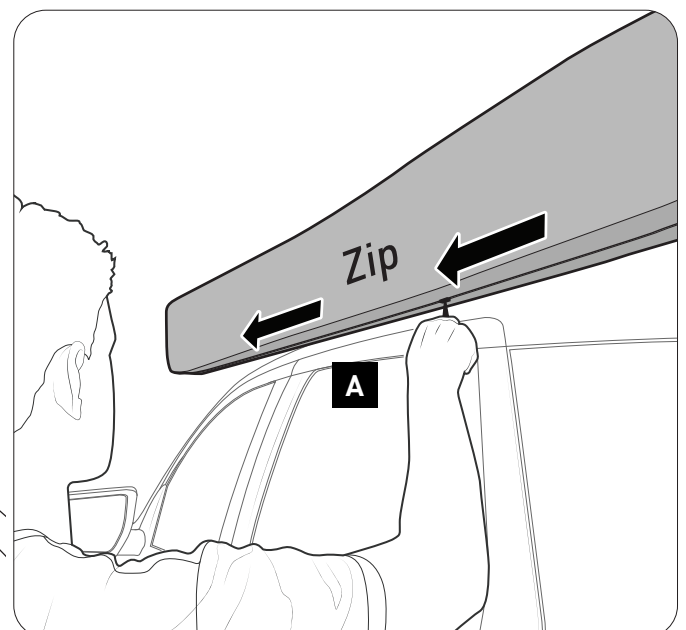
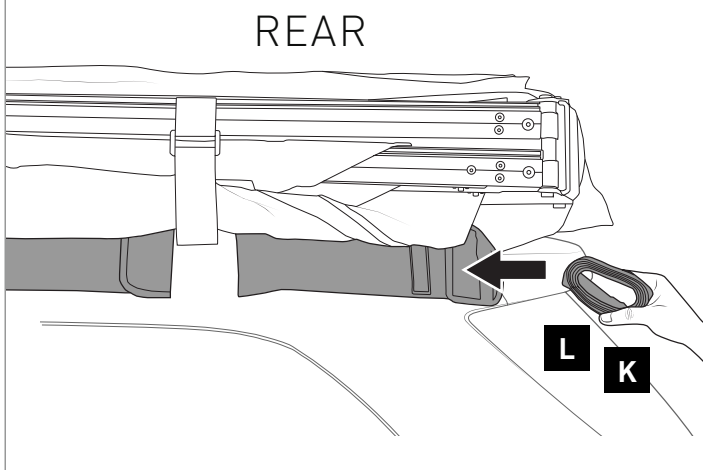
**29c**



**29d**



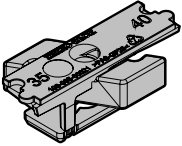
**30** Replace the Awning Pegs and Awning Straps to the accessory bag. Zip the outer bag closed.



## ACCESSORIES

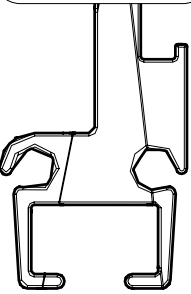
- 31** Accessory channel located at the bottom of the base extrusion.

**ZWIFLOC™**



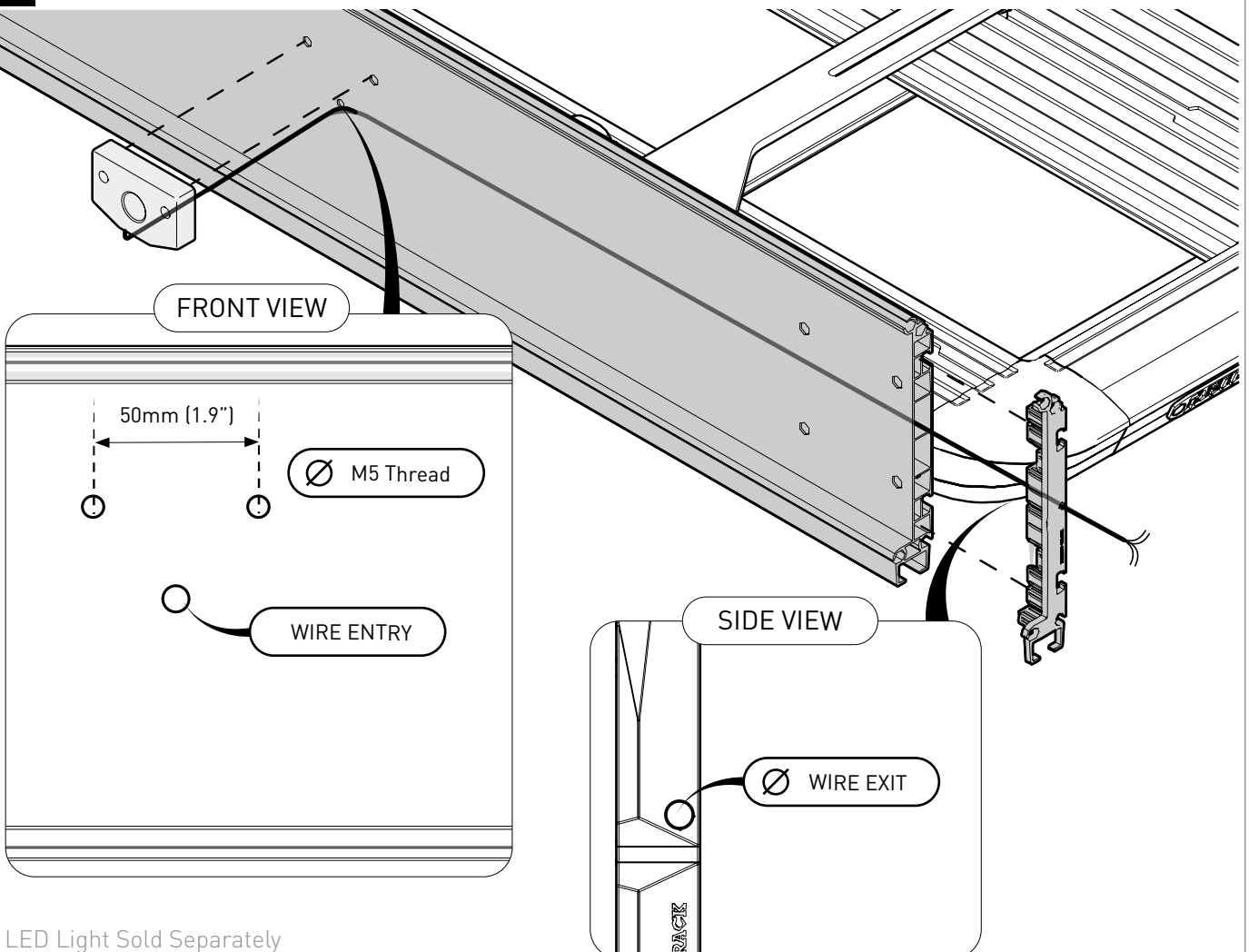
**COMPATIBLE**

**SIDE VIEW**

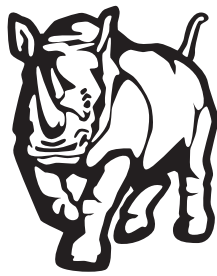


Additional eye bolt/Zwifloc not included.

- 32** Light mounting holes are located on the base extrusion.



LED Light Sold Separately



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