

RHINO-RACK®

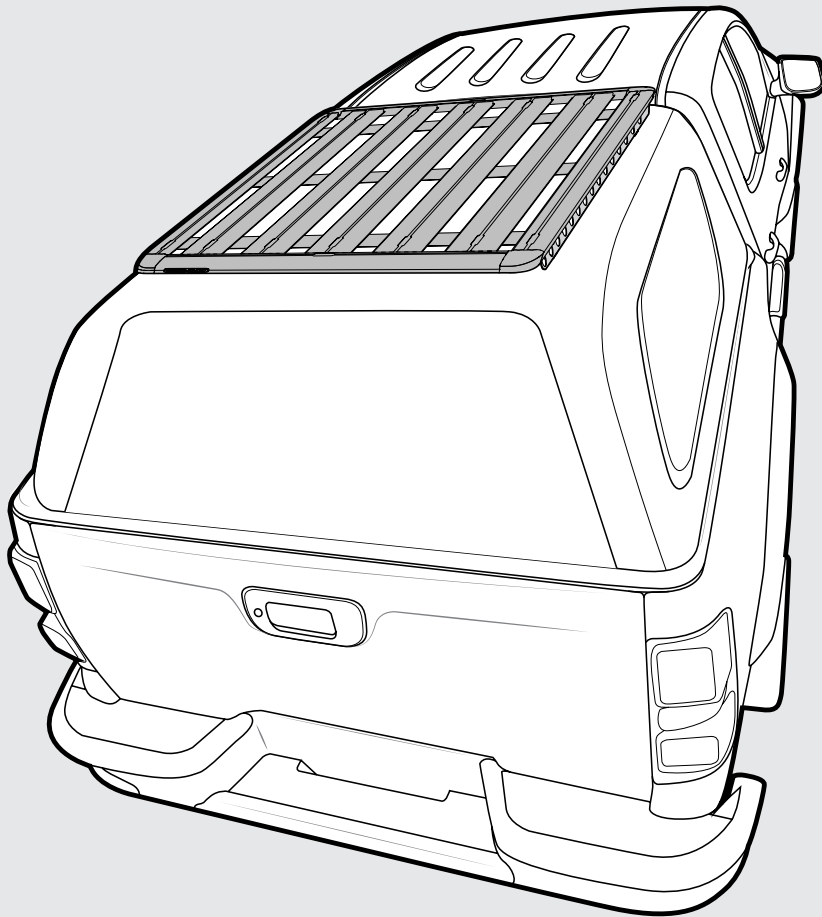
Universal Backbone

RUMB1 RUMB2 RUMB3

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 approved fitment warranty to be upheld.

Fit Time: 1 hour

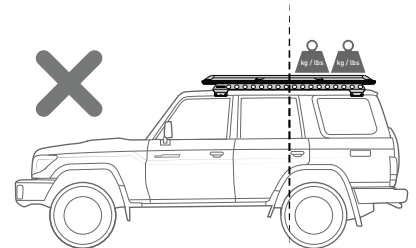
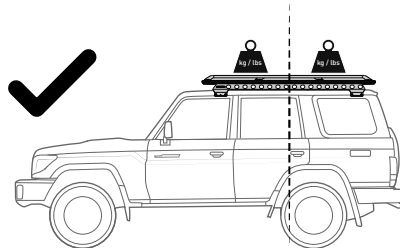
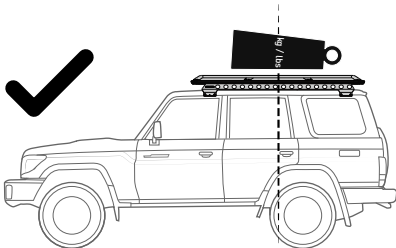
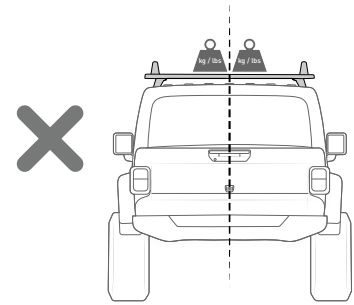
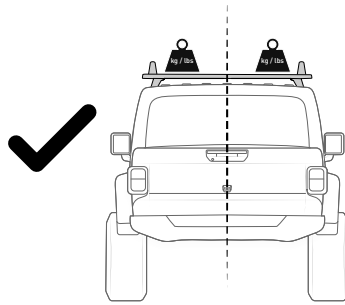
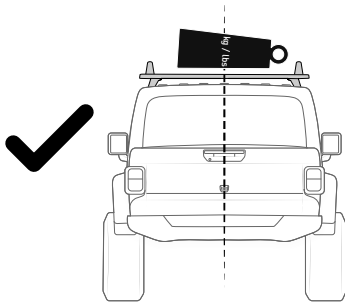


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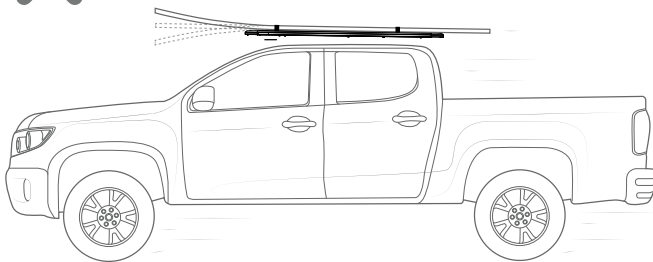
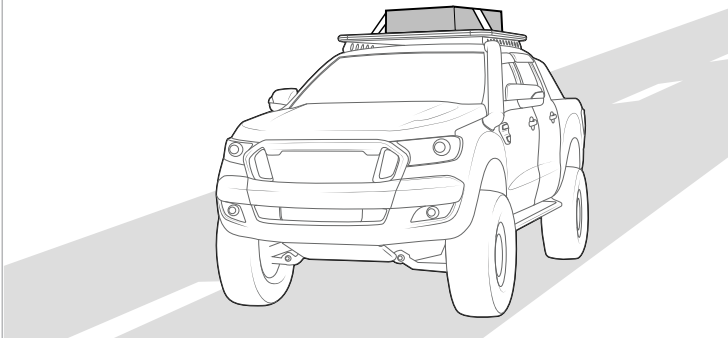


Distribute loads evenly and laterally/longitudinally as low as possible over the span.

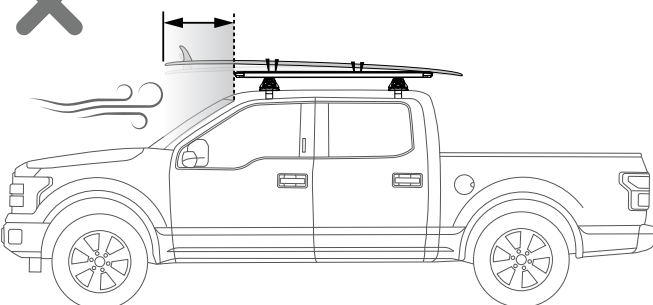
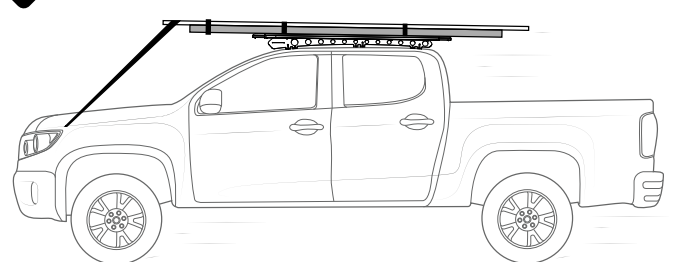
Avoid point loads concentrated at the front or rear.

Exercise extreme care when transporting wind-resistant loads. Special consideration must be taken when cornering and braking.

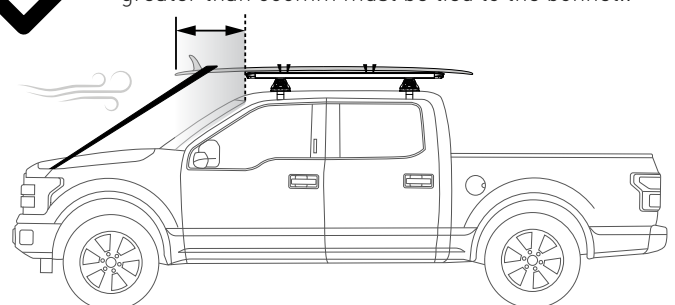
Off-road conditions can be much more rigorous. Extreme care must be taken on any driven path that does not contain a surface protection layer (tar/bitumen).



Long flexible loads must attach securely to rigid support and be tied down to the bonnet

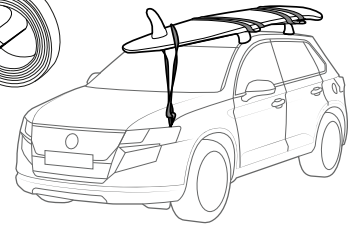
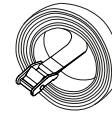
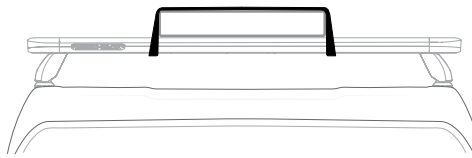
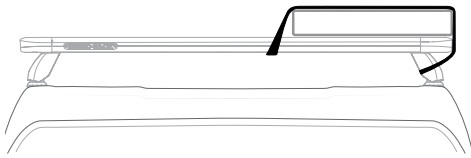


Cab mounted backbones with overhanging loads greater than 600mm must be tied to the bonnet..

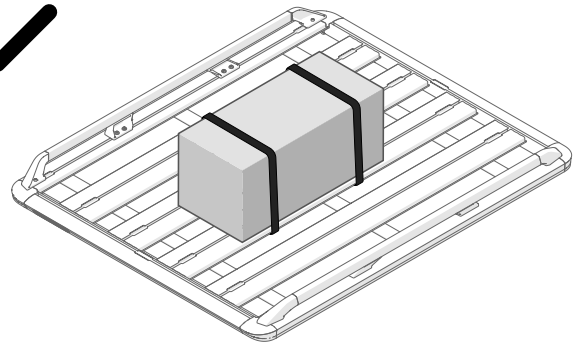
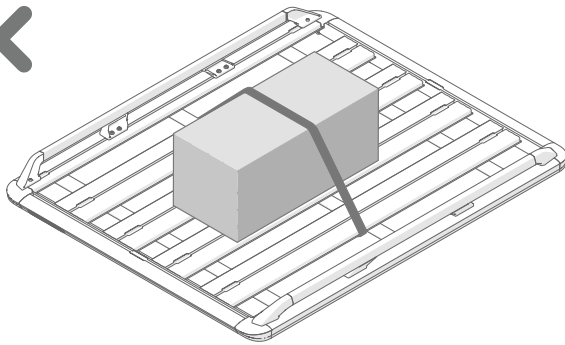




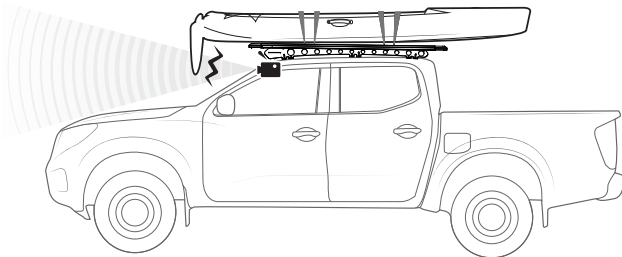
Loads must be tied down to Platform, **NOT** around backbones



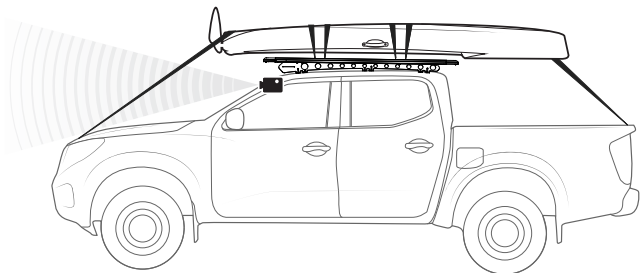
Use only non-stretch fastening ropes or straps to attach cargo to roof racks



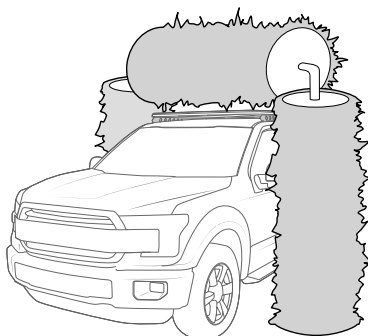
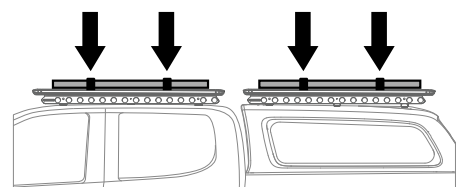
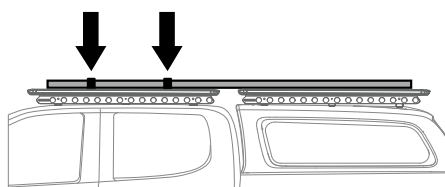
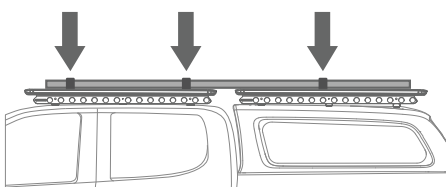
Do NOT obstruct windscreen camera sensors



Warranty for roof rack system will be void if the front of the kayak is not secured to the bonnet



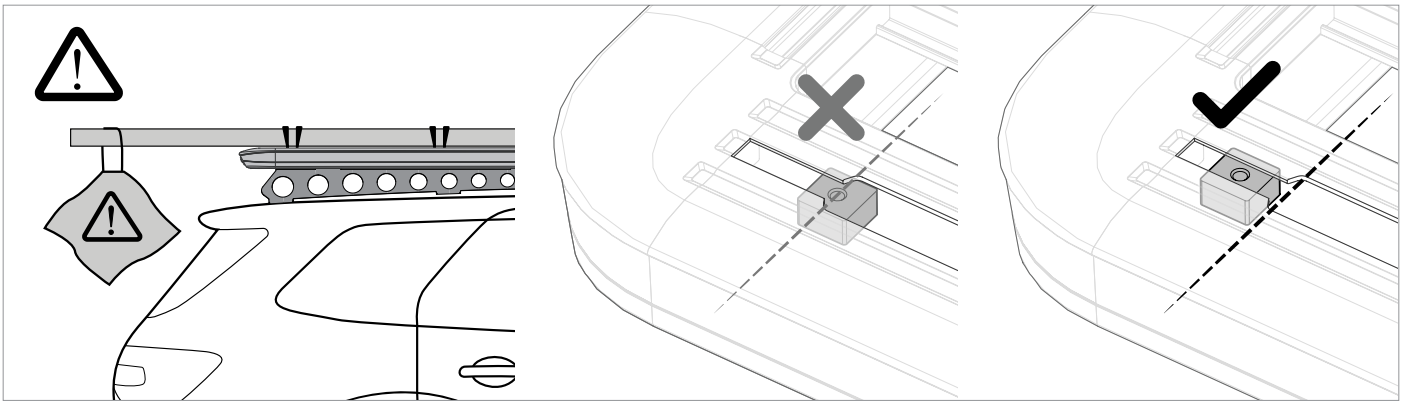
Tub/tray/canopys can move independently from the vehicle cabin. Rigidly fix to either the cabin roof racks or the tub/tray/canopy roof racks but not both simultaneously.



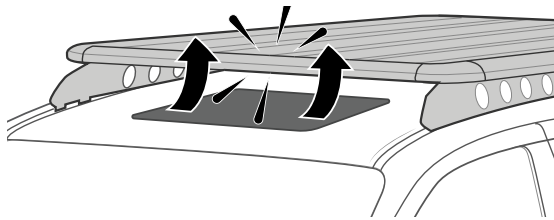
Racks must be removed when vehicle is put through an automatic car wash.



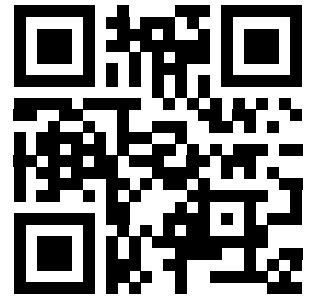
Ensure Ladder is well supported on the ground to support tent. Take extreme caution when climbing heights above 1.2m/4ft.



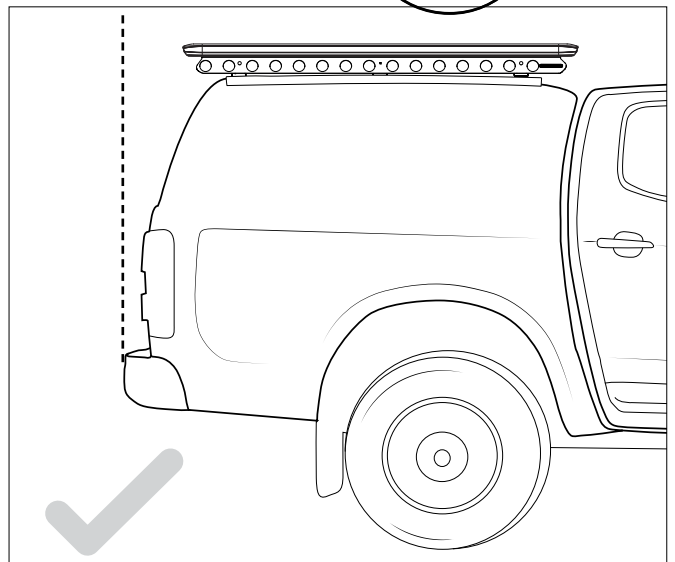
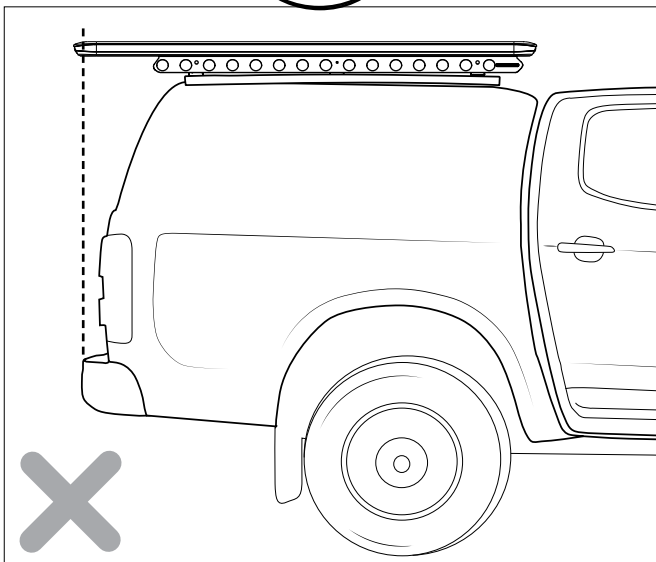
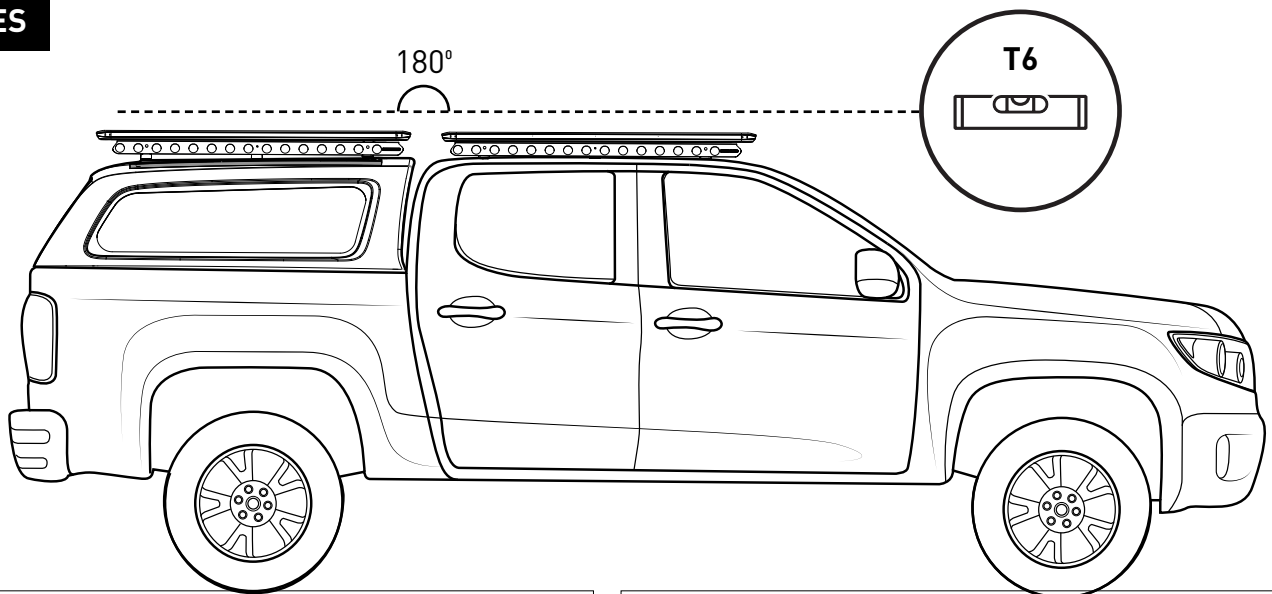
Ensure sunroof will not collide with roof rack system.



[Youtube.com/Rhinorackaustralia](https://www.youtube.com/Rhinorackaustralia)



NOTES



Carrying Capacity

Check the website, the canopy/topper manufacturer's roof load capacity and the vehicle owners hand book for your vehicle's maximum carrying capacity. Always use the lowest value. Load must be evenly distributed over the system.



Cargo Load Limit

Total permissible weight allowed on top, and attached to roof racks whilst the vehicle is in motion.



System Weight

Total weight of the roof rack system. (Crossbars, Backbone, Platform)



Max System Load Capacity

Please ensure you use the vehicle manufacturer's maximum roof allowance if it is lower than the figure listed in the fitting chart.



Vehicle Manufacturer's Load Limit

Total permissible weight attached to the roof of the car. This is inclusive of the weight of the roof rack system.

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:



4-5Nm
3-4lbs/ft



8-10Nm
6-7.5lbs/ft



16-18Nm
12-13lbs/ft

Warning

- Do not attempt to fit the rack system to your vehicle unless you fully understand these fitting instructions. Please direct any questions regarding fitting to the dealer from where the roof racks were purchased.
- Off-road conditions can be much more rigorous. Extreme care must be taken on any driven path that does not contain a surface protection layer (tar/bitumen).
- With utility vehicles, the cabin and the canopy/topper move independently. Securely attach cargo to one of either the cabin roof or the canopy/topper, not both.
- Always ensure you fasten your load securely.
- Use only non-stretch fastening ropes or straps to attach cargo to your load.

Note for Dealers and Fitters

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.

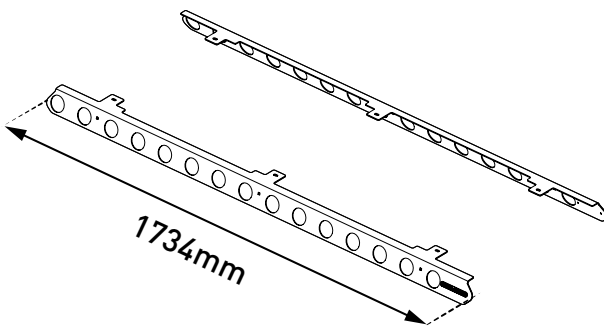
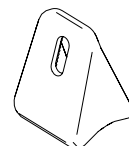
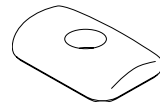
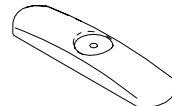
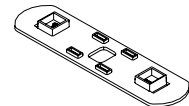
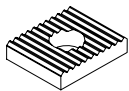

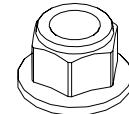



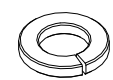

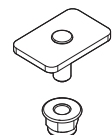
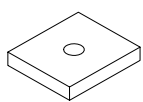
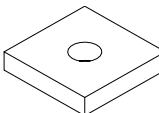
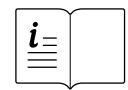
Warranty

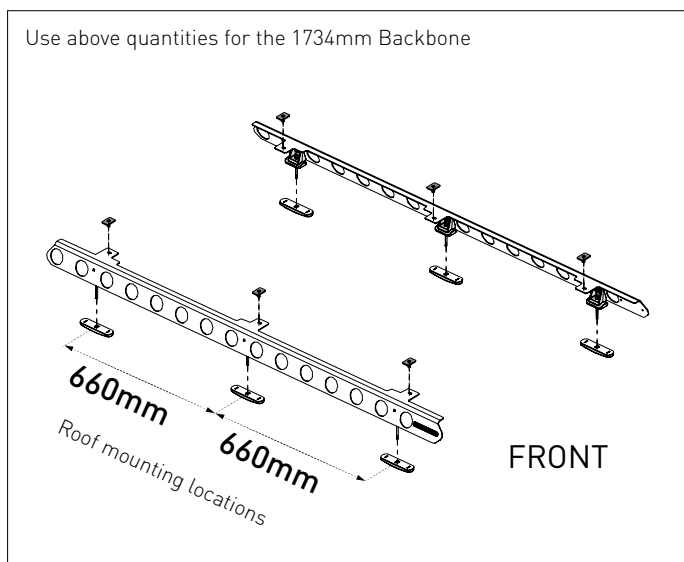
Rhino-Rack product warranty covers the vehicle fitments listed on our website for RUMB1, RUMB2 and RUMB3. Rhino-Rack has not tested and does not provide warranty in relation to the fitment and use of the product on the vehicles, or any of the vehicles' accessories, which are not listed for RUMB1, RUMB2 and RUMB3. Any fitment and use of the product on the vehicles, or the vehicles' accessories, which are not listed on the Rhino-Rack website are at the consumer's own risk and the product warranty does not apply. RHINO-RACK DISCLAIMS ANY RISK AND LIABILITY WITH RESPECT OF SUCH FITMENT AND USE.

Join the herd!

We love creating our products for you and hope you love using them too. For complete peace of mind, register your product at www.rhinorack.com/warranty. This way, we can quickly help you with any future approved fitment warranty claims. And remember – never to forget to **Make Space For Adventure!**

RUMB1 Parts List

<p>1734mm Universal Backbone (Pair)</p>  <p>A x1</p>	<p>Cast Foot</p>  <p>B x6</p>	<p>Pad Sub Assembly</p>  <p>C x6</p>
	<p>Internal Pad</p>  <p>D x6</p>	<p>Internal Pad Rubber Skirt</p>  <p>E x6</p>
<p>Retention Washer</p>  <p>F x6</p>	<p>M6 X 25 Carriage Screw</p>  <p>G x6</p>	<p>M6 x 1.00 Flanged Nyloc Nut</p>  <p>H x6</p>
		<p>M6 x 80 Hex Head Bolt</p>  <p>I x6</p>
<p>M6 x 60 Hex Head Bolt</p>  <p>J x6</p>	<p>M6 x 30 Hex Head Bolt</p>  <p>K x6</p>	<p>M6 Spring Washer</p>  <p>L x6</p>
		<p>M6 Male Half Spherical Washer</p>  <p>M x6</p>
<p>Pioneer M8 T-Bolt & Nut</p>  <p>N x6</p>	<p>M6 Plate Nut (24x21x4) For Rhino Rack Tracks</p>  <p>O x6</p>	<p>M6 Plate Nut (20x20x3.5) For Thule Tracks</p>  <p>P x6</p>
		<p>Instruction</p>  <p>Q x1</p>



Notes

Canopy/Topper roof install Page 10
 Canopy/Topper track install Page 21
 Use safety gear when drilling through canopy

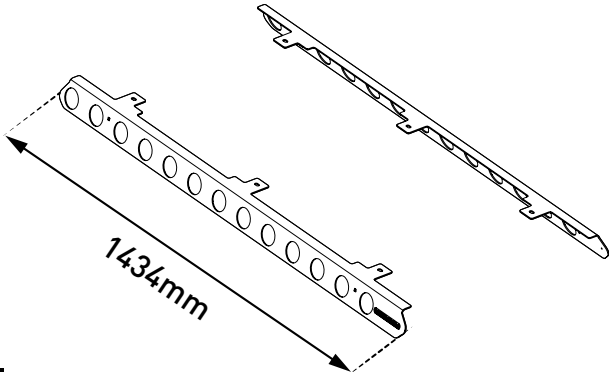
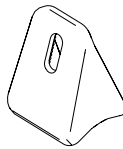
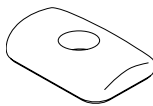
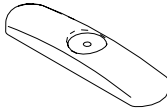
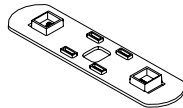
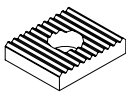

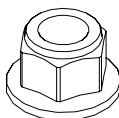
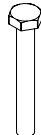



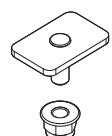
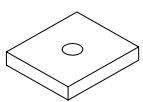
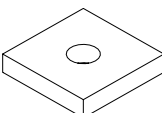
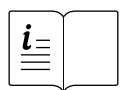
Tools Required

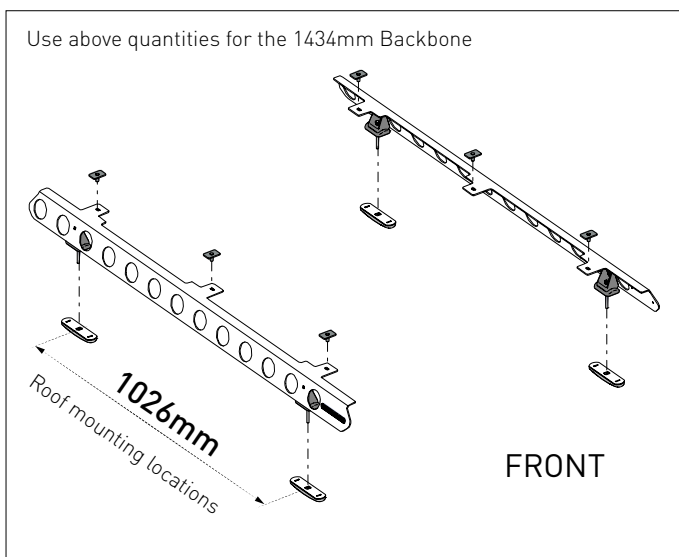
T1 - Masking Tape
 T2 - Marker
 T3 - Tape Measure
 T4 - 6mm, 1/4" drill bit
 T5 - Drill
 T6 - Spirit Level
 T7 - 10mm wrench
 T8 - 13mm wrench
 T9 - String Line (approx 3m to suit canopy length)
 T10 - Vacuum

Safety Gear



RUMB2 Parts List

<div>1434mm Universal Backbone (Pair)</div> <div></div> <div>A x1</div>	<div>Cast Foot</div> <div></div> <div>B x4</div>	<div>Pad Sub Assembly</div> <div></div> <div>C x4</div>
	<div>Internal Pad</div> <div></div> <div>D x4</div>	<div>Internal Pad Rubber Skirt</div> <div></div> <div>E x4</div>
<div>Retention Washer</div> <div></div> <div>F x4</div>	<div>M6 X 25 Carriage Screw</div> <div></div> <div>G x4</div>	<div>M6 x 1.00 Flanged Nyloc Nut</div> <div></div> <div>H x4</div>
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		<div>Instruction</div> <div></div> <div>Q x1</div>



Notes

Canopy/Topper roof install Page 10
Canopy/Topper track install Page 21
Use safety gear when drilling through canopy

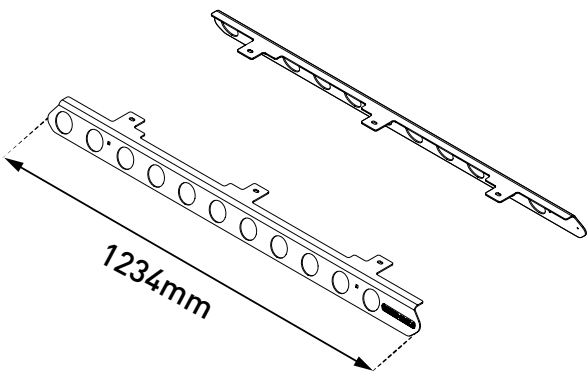

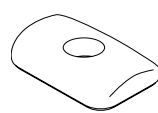
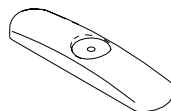
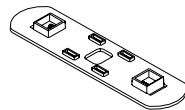
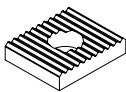

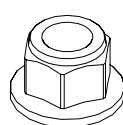
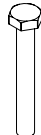



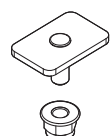
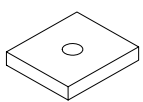
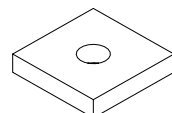
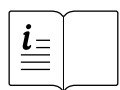
Tools Required

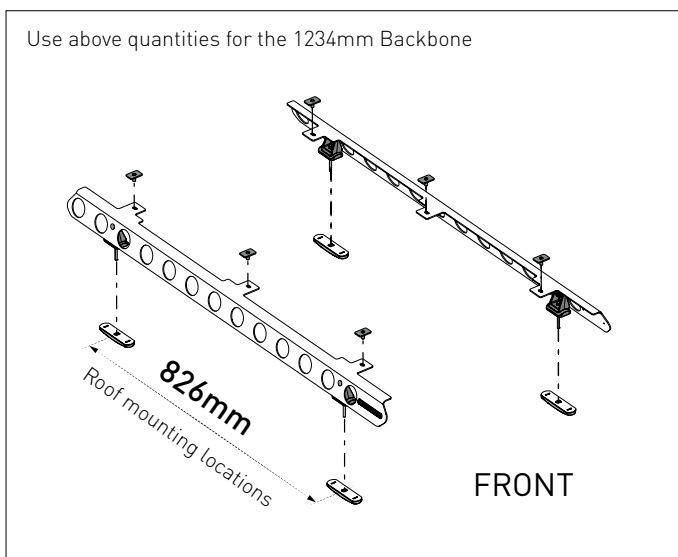
T1 - Masking Tape
T2 - Marker
T3 - Tape Measure
T4 - 6mm, 1/4" drill bit
T5 - Drill
T6 - Spirit Level
T7 - 10mm wrench
T8 - 13mm wrench
T9 - String Line (approx 3m to suit canopy length)
T10 - Vacuum

Safety Gear



RUMB3 Parts List

<div>1234mm Universal Backbone (Pair)</div> <div></div> <div>A x1</div>	<div>Cast Foot</div> <div></div> <div>B x4</div>	<div>Pad Sub Assembly</div> <div></div> <div>C x4</div>
	<div>Internal Pad</div> <div></div> <div>D x4</div>	<div>Internal Pad Rubber Skirt</div> <div></div> <div>E x4</div>
<div>Retention Washer</div> <div></div> <div>F x4</div>	<div>M6 X 25 Carriage Screw</div> <div></div> <div>G x4</div>	<div>M6 x 1.00 Flanged Nyloc Nut</div> <div></div> <div>H x4</div>
<div>M6 x 60 Hex Head Bolt</div> <div></div> <div>J x4</div>	<div>M6 x 30 Hex Head Bolt</div> <div></div> <div>K x4</div>	<div>M6 Spring Washer</div> <div></div> <div>L x4</div>
	<div>M6 Male Half Spherical Washer</div> <div></div> <div>M x4</div>	
<div>Pioneer M8 T-Bolt & Nut</div> <div></div> <div>N x6</div>	<div>M6 Plate Nut (24x21x4) For Rhino Rack Tracks</div> <div></div> <div>O x4</div>	<div>M6 Plate Nut (20x20x3.5) For Thule Tracks</div> <div></div> <div>P x4</div>
		<div>Instruction</div> <div></div> <div>Q x1</div>



Notes

Canopy/Topper roof install Page 10
 Canopy/Topper track install Page 21
 Use safety gear when drilling through canopy

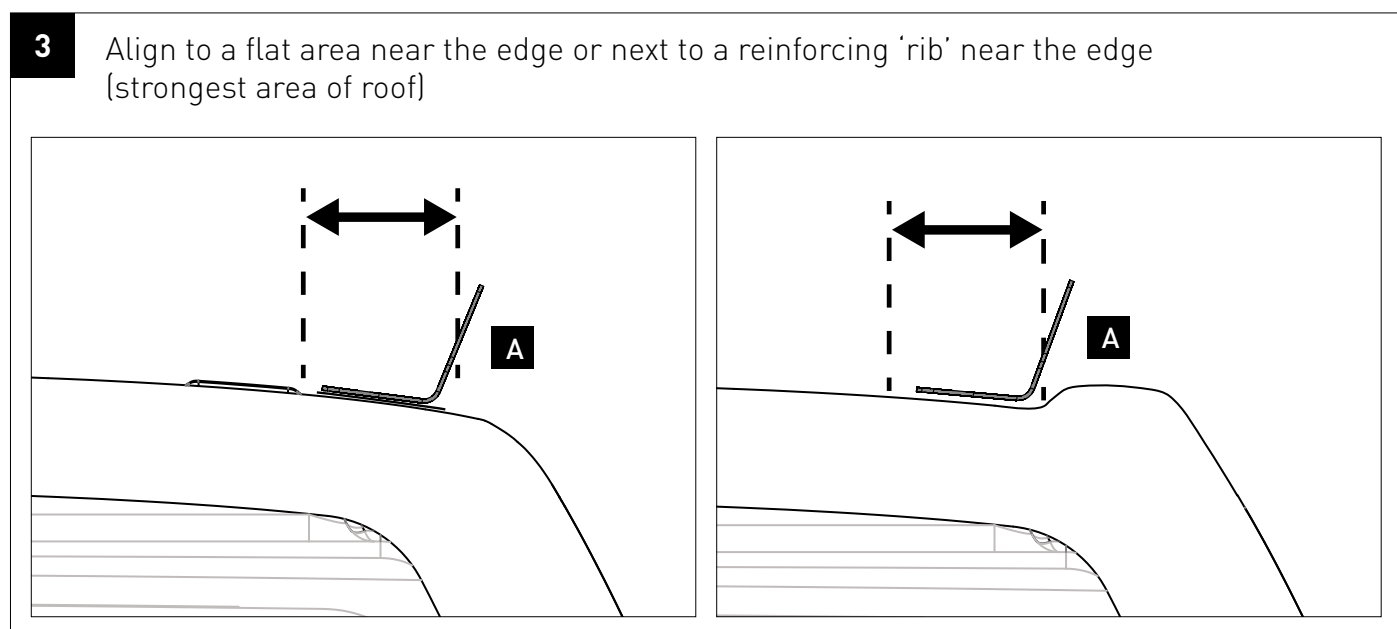
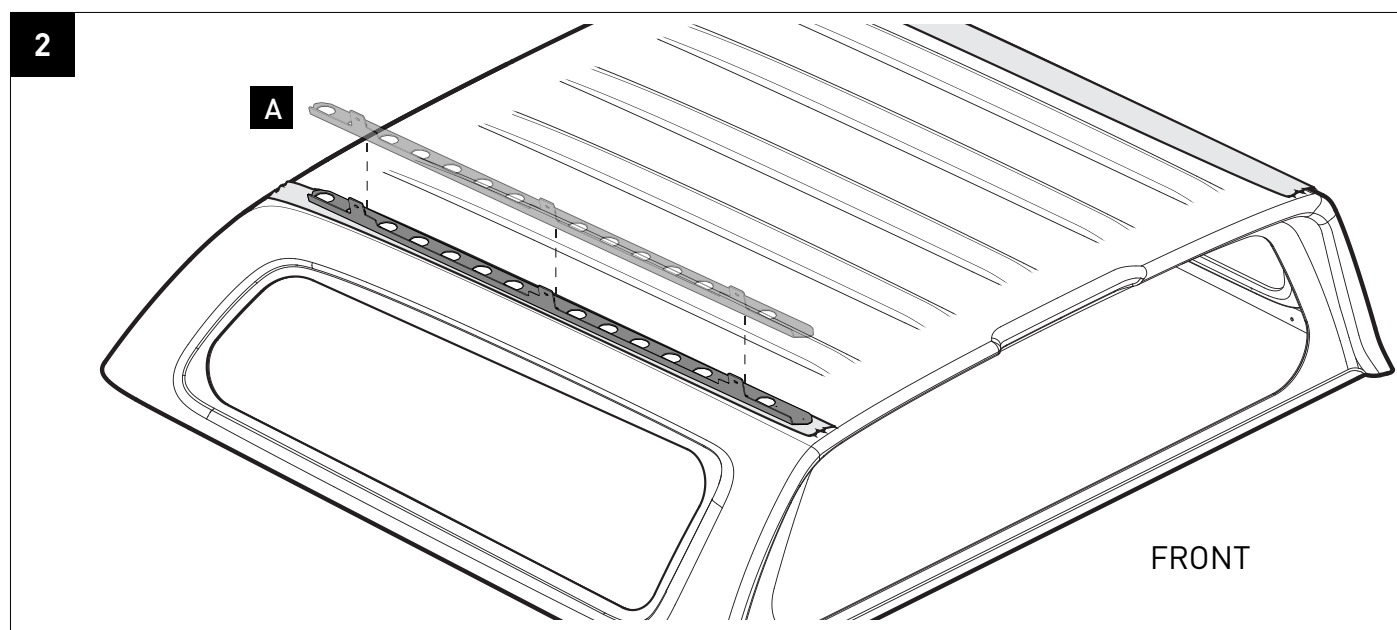
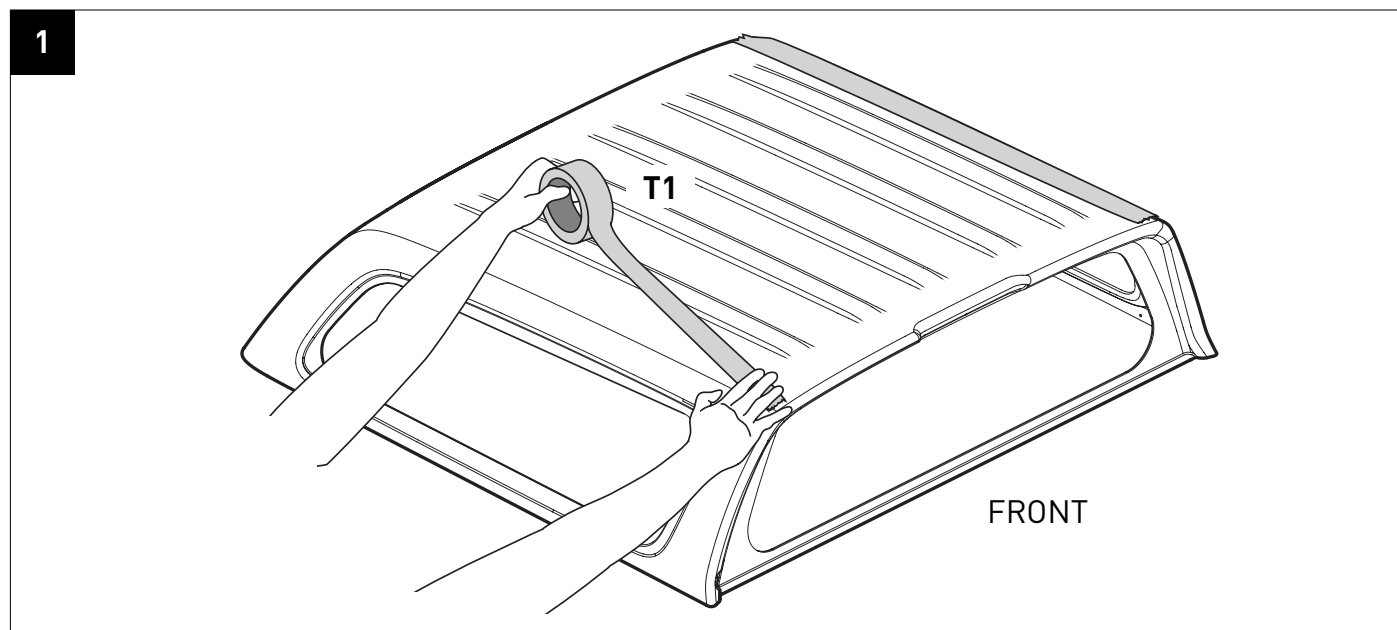
Tools Required

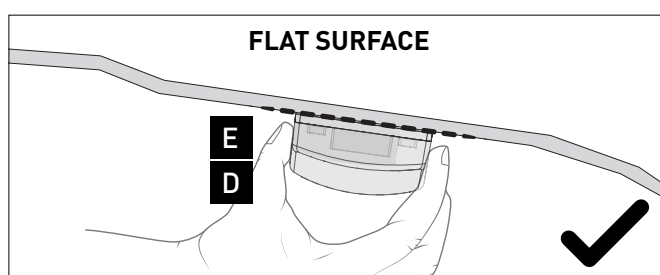
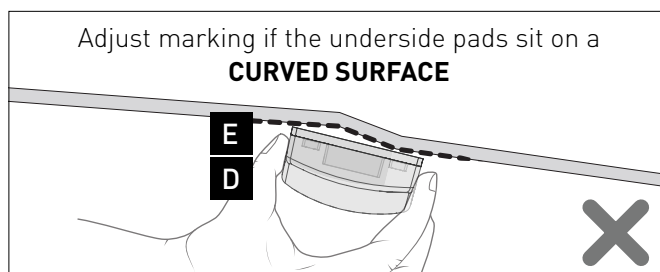
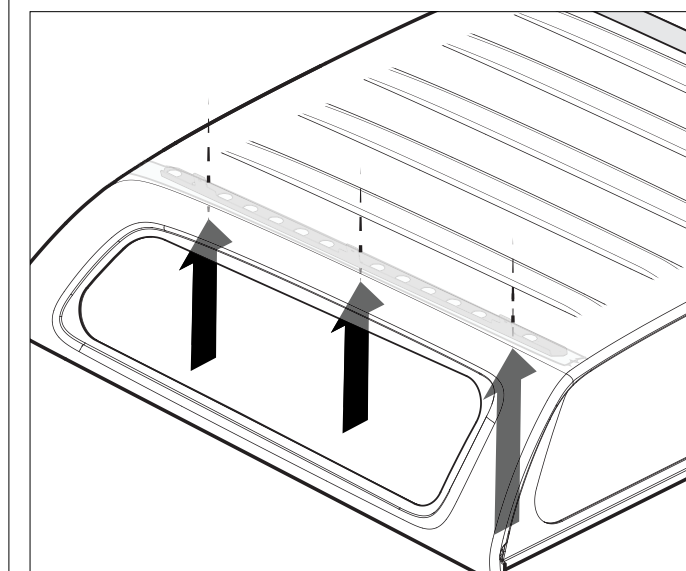
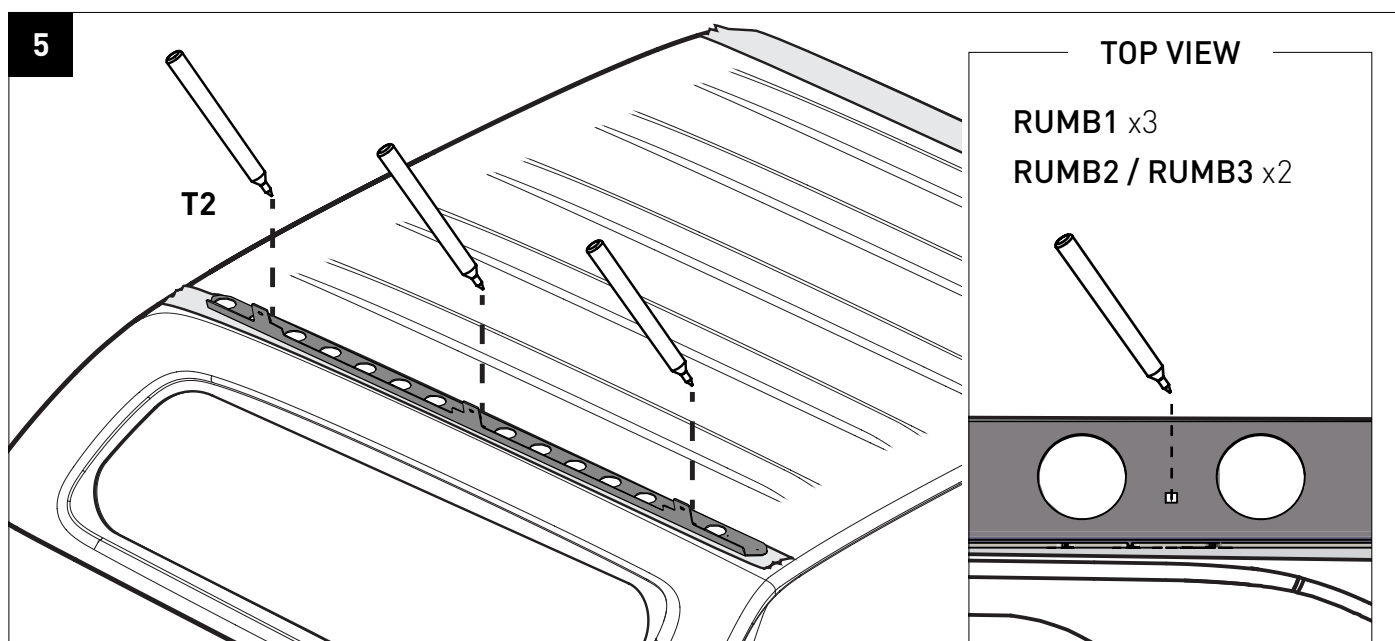
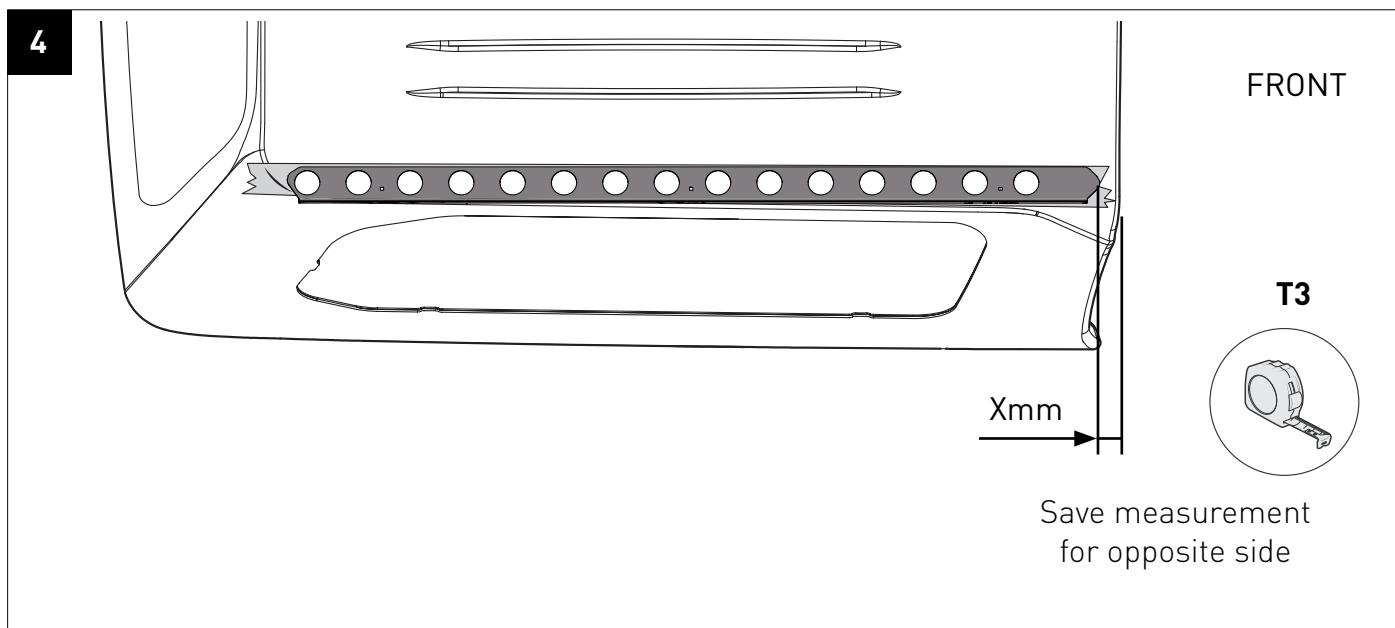
T1 - Masking Tape
 T2 - Marker
 T3 - Tape Measure
 T4 - 6mm, 1/4" drill bit
 T5 - Drill
 T6 - Spirit Level
 T7 - 10mm wrench
 T8 - 13mm wrench
 T9 - String Line (approx 3m to suit canopy length)
 T10 - Vacuum

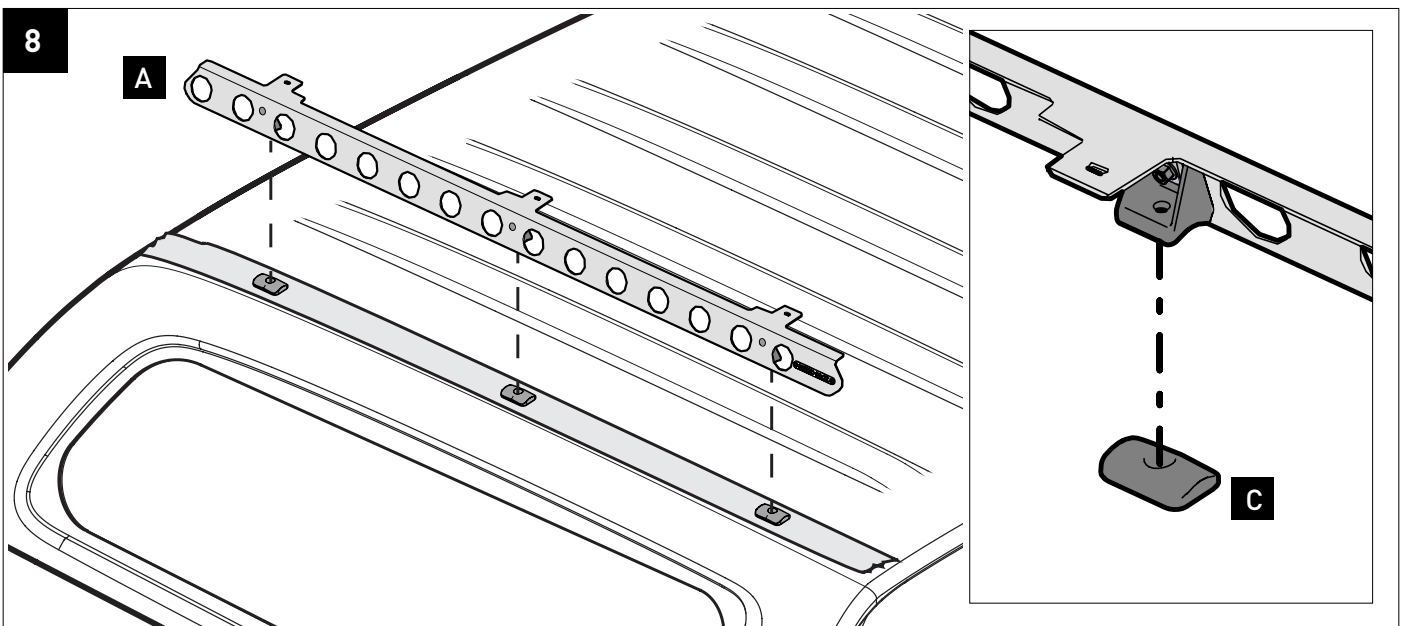
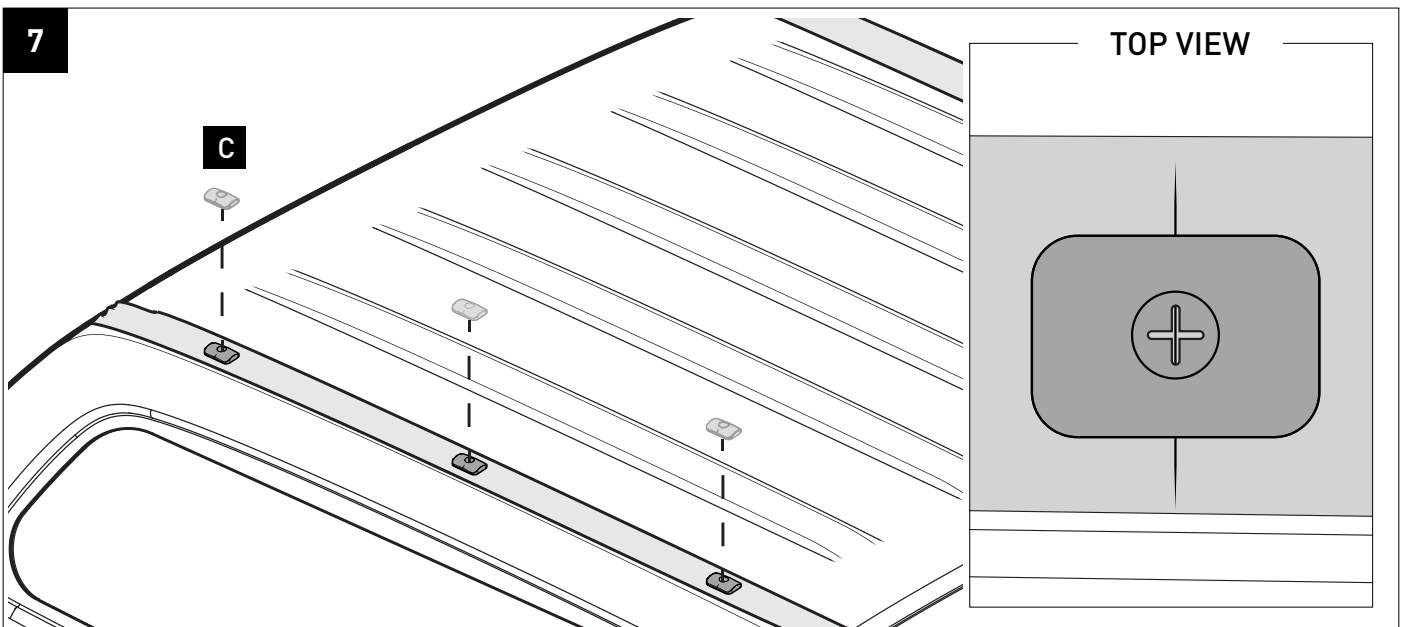
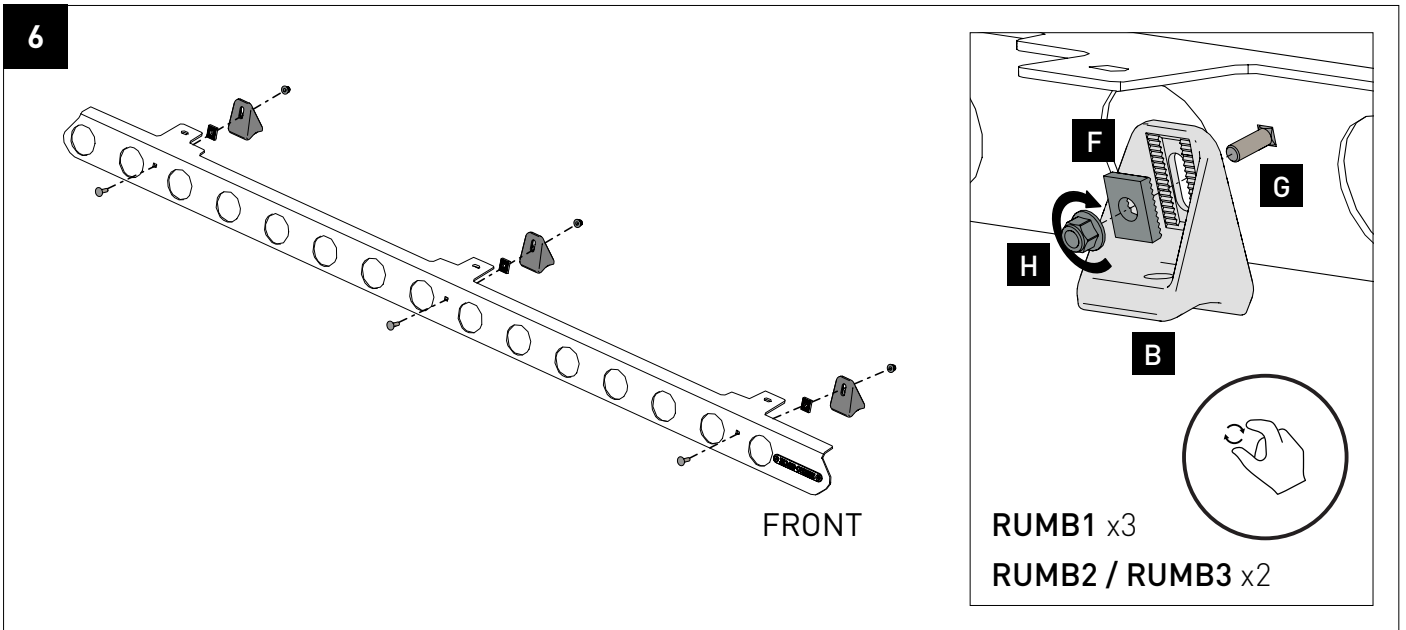
Safety Gear



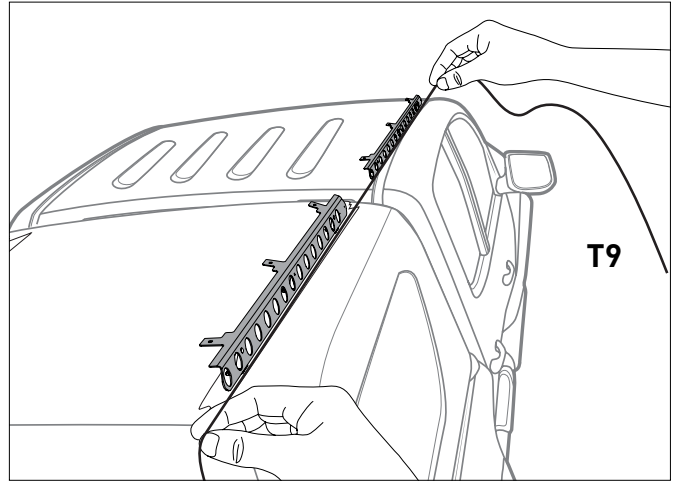
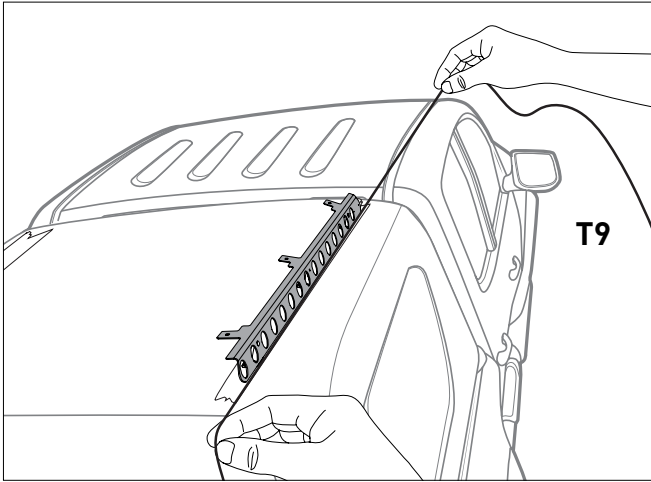
CANOPY/TOPPER INSTALL (For Track install, proceed to Step 20)



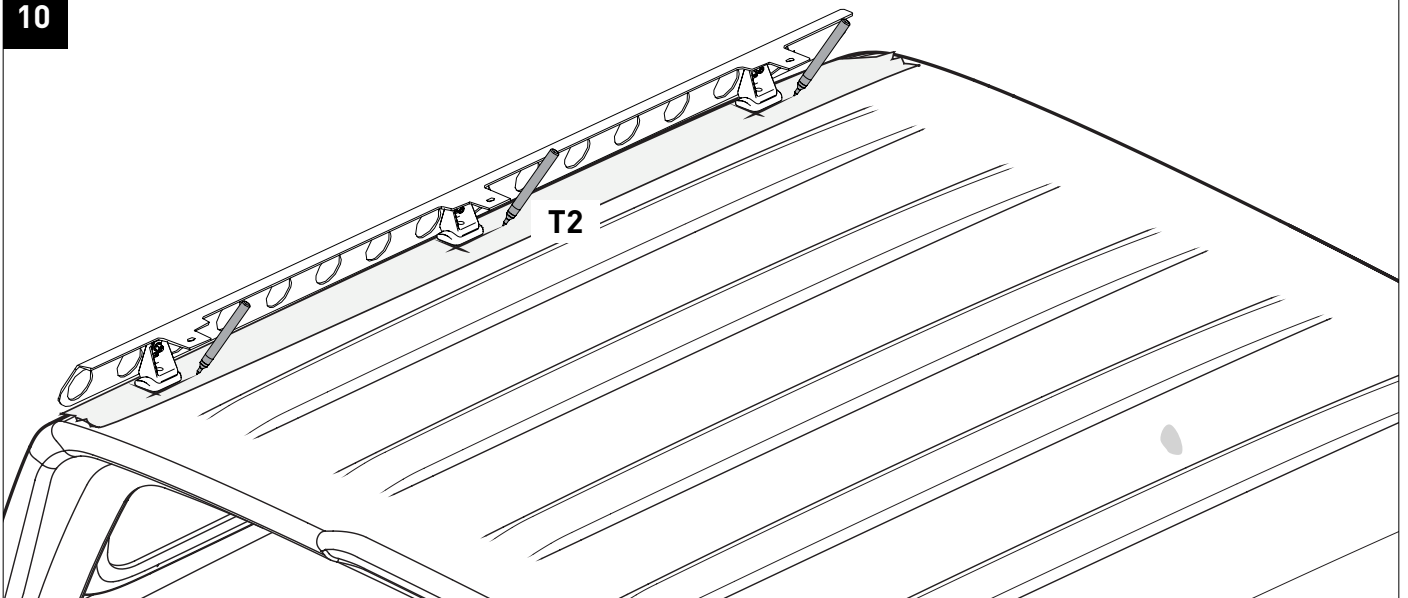




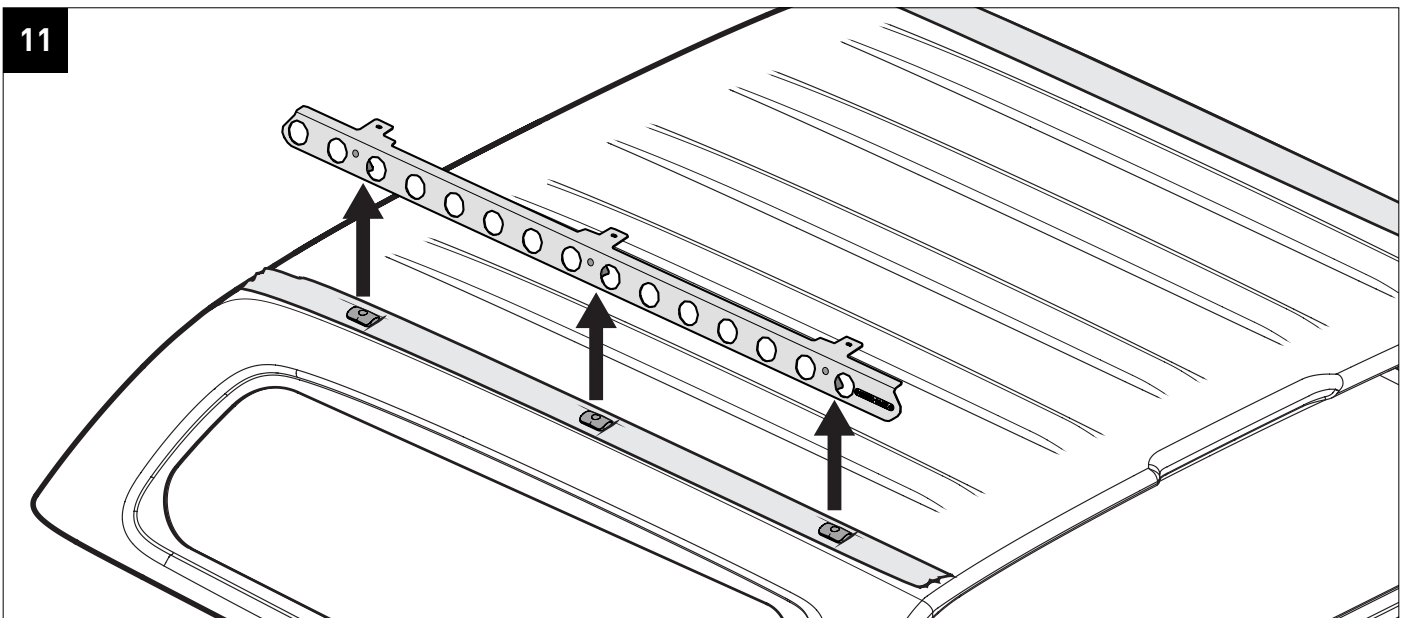
- 9** Where possible, align the outside base of the backbone to the outside of the cab ditch or cab backbone, if installed

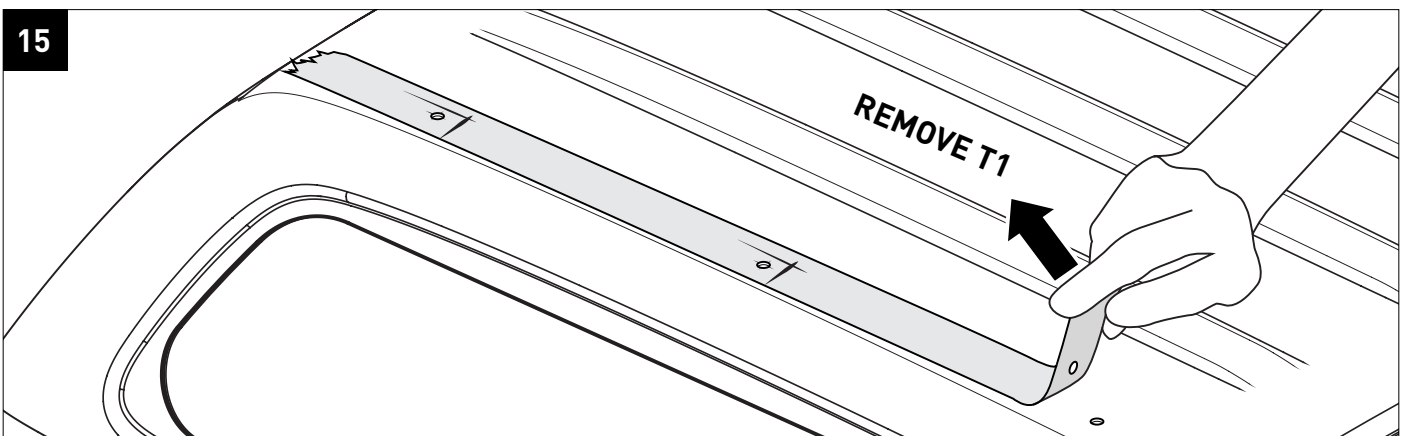
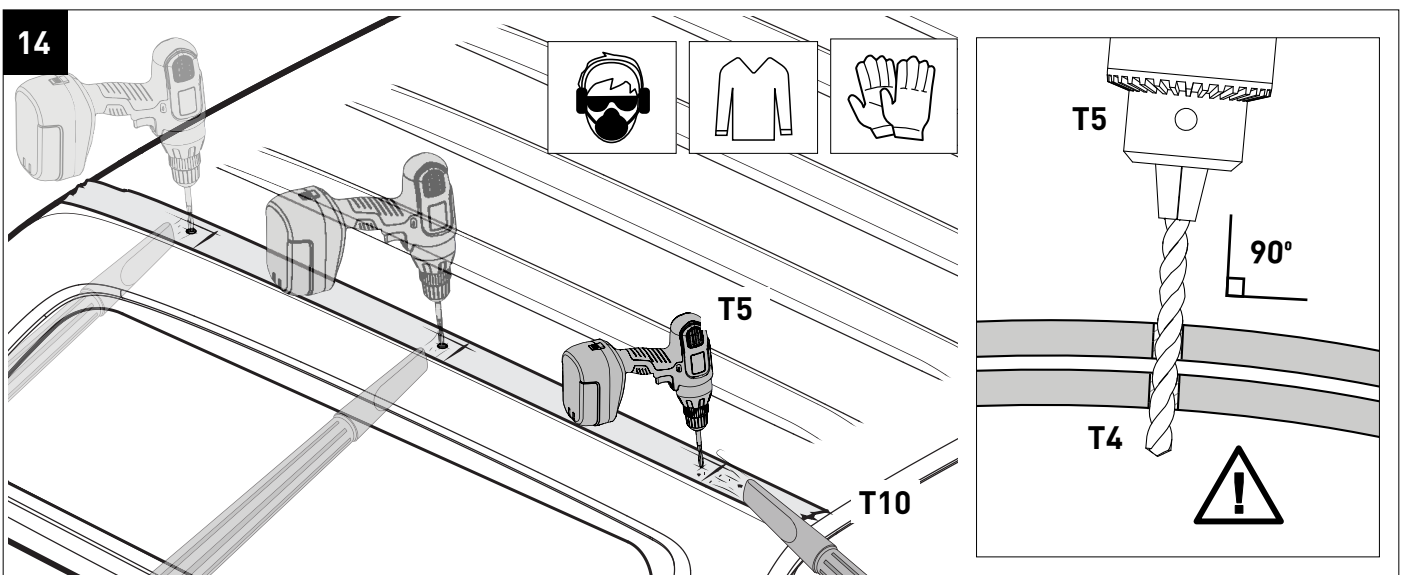
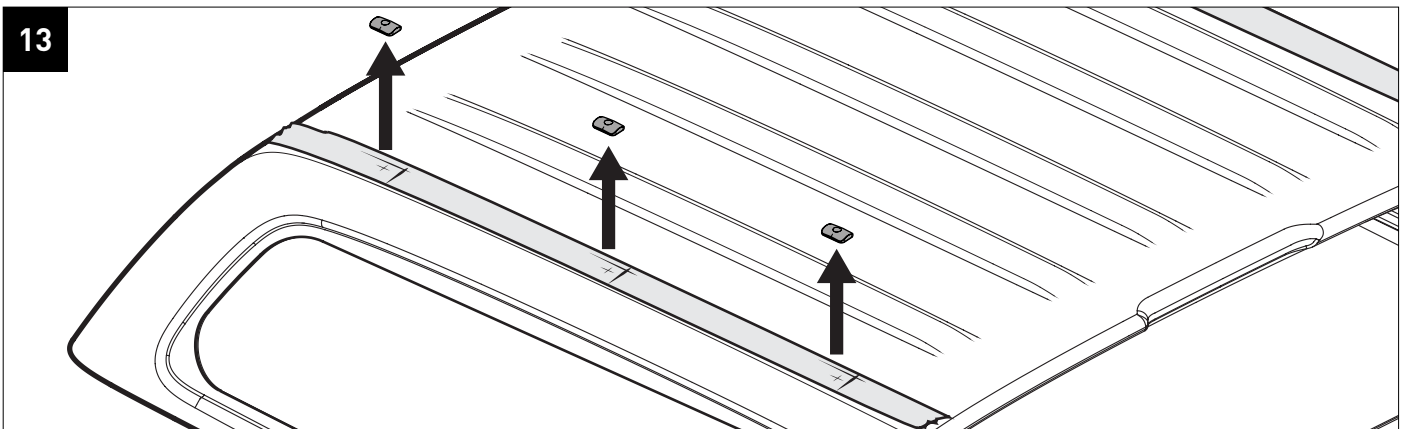
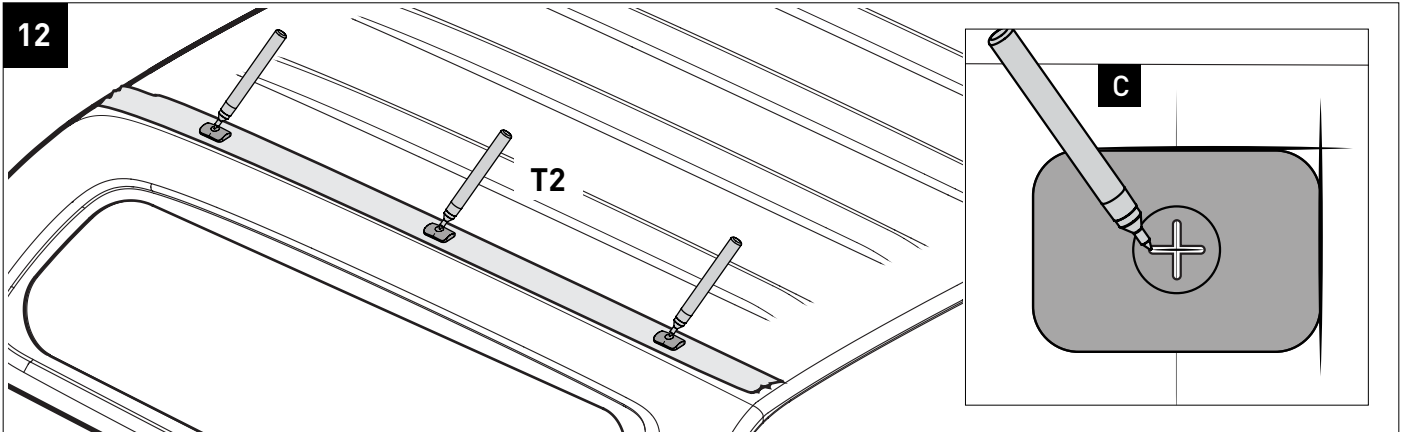


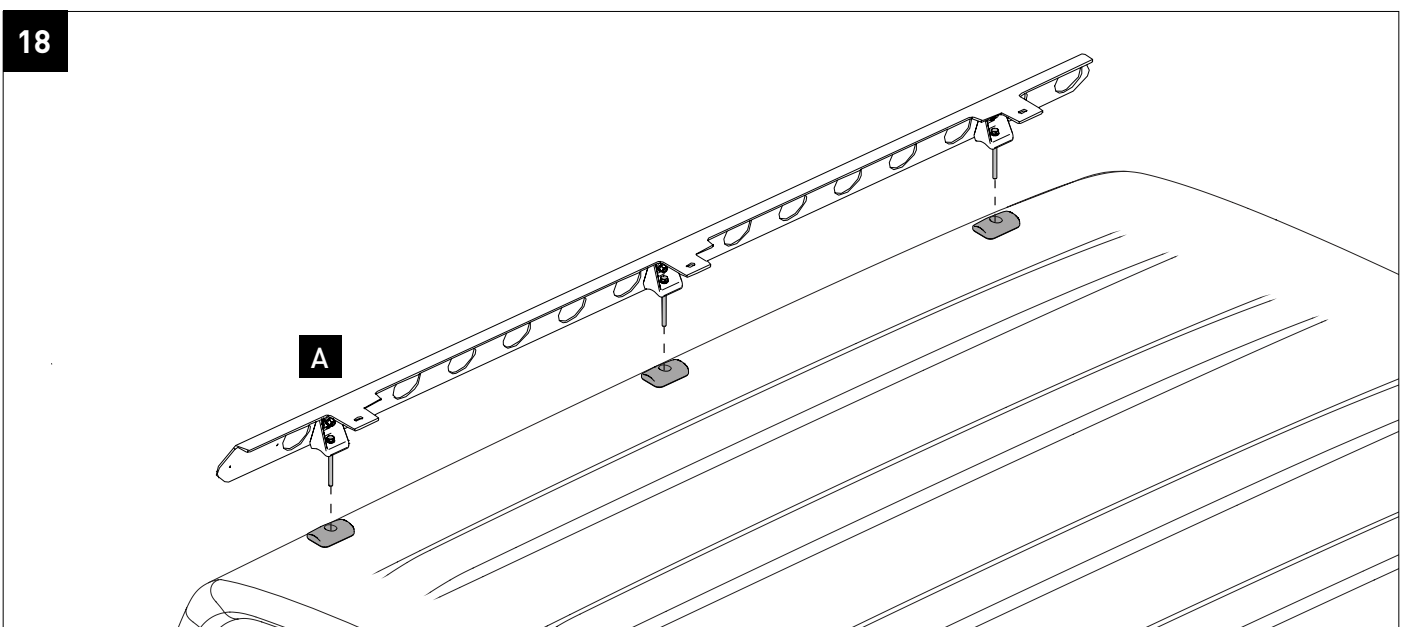
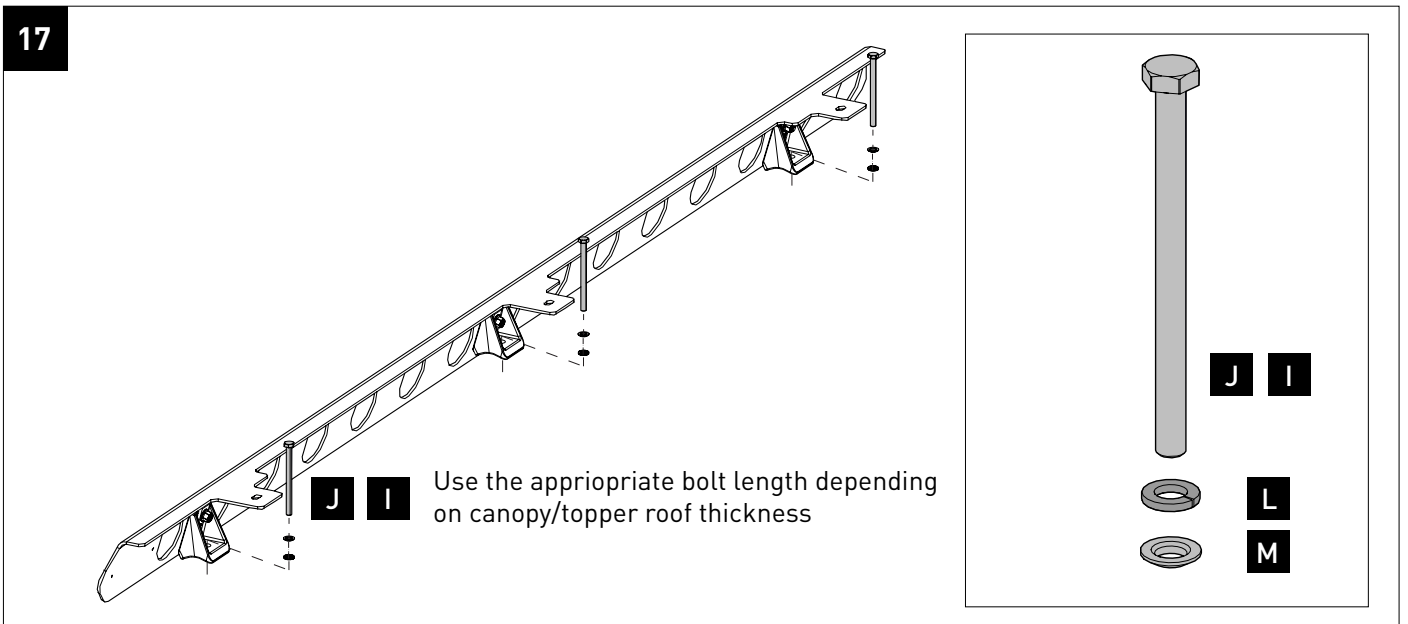
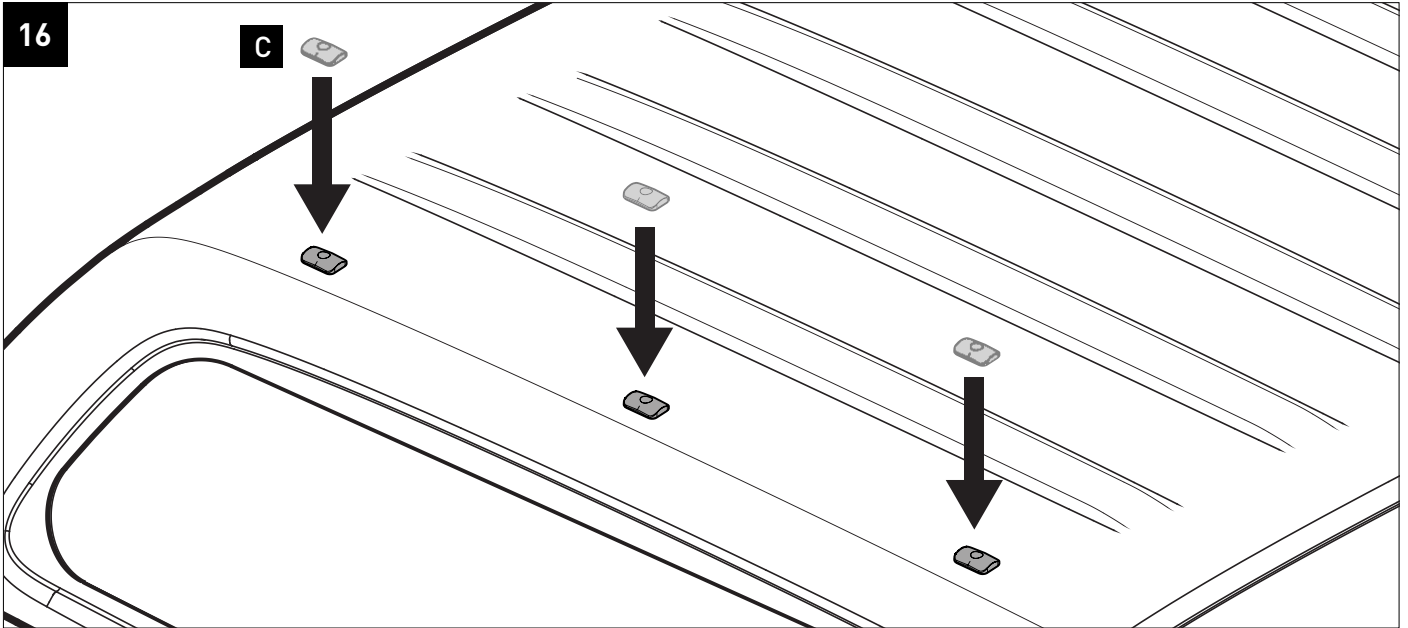
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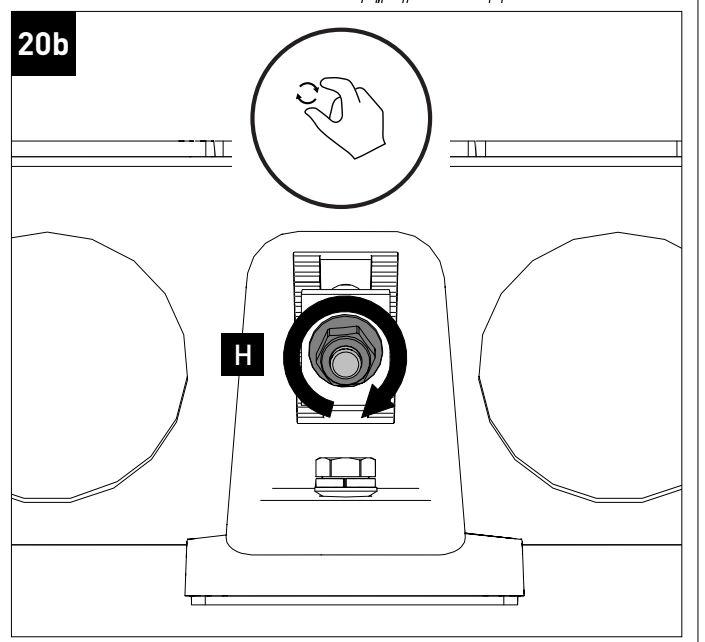
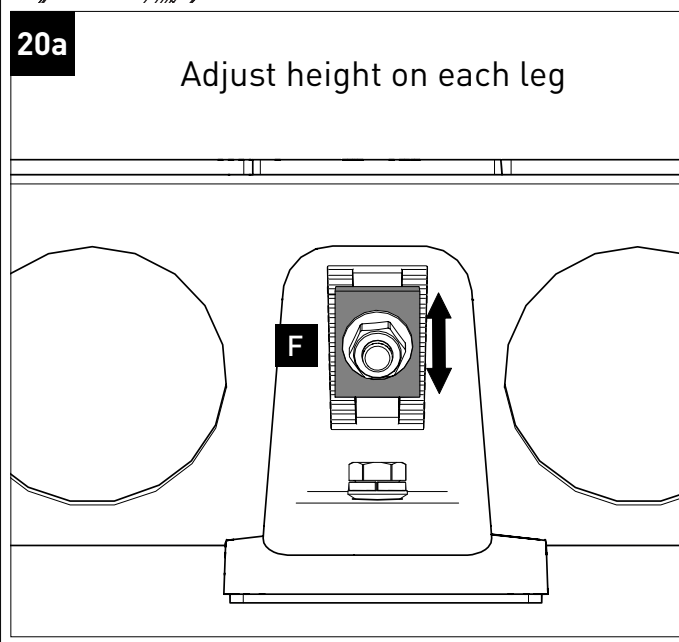
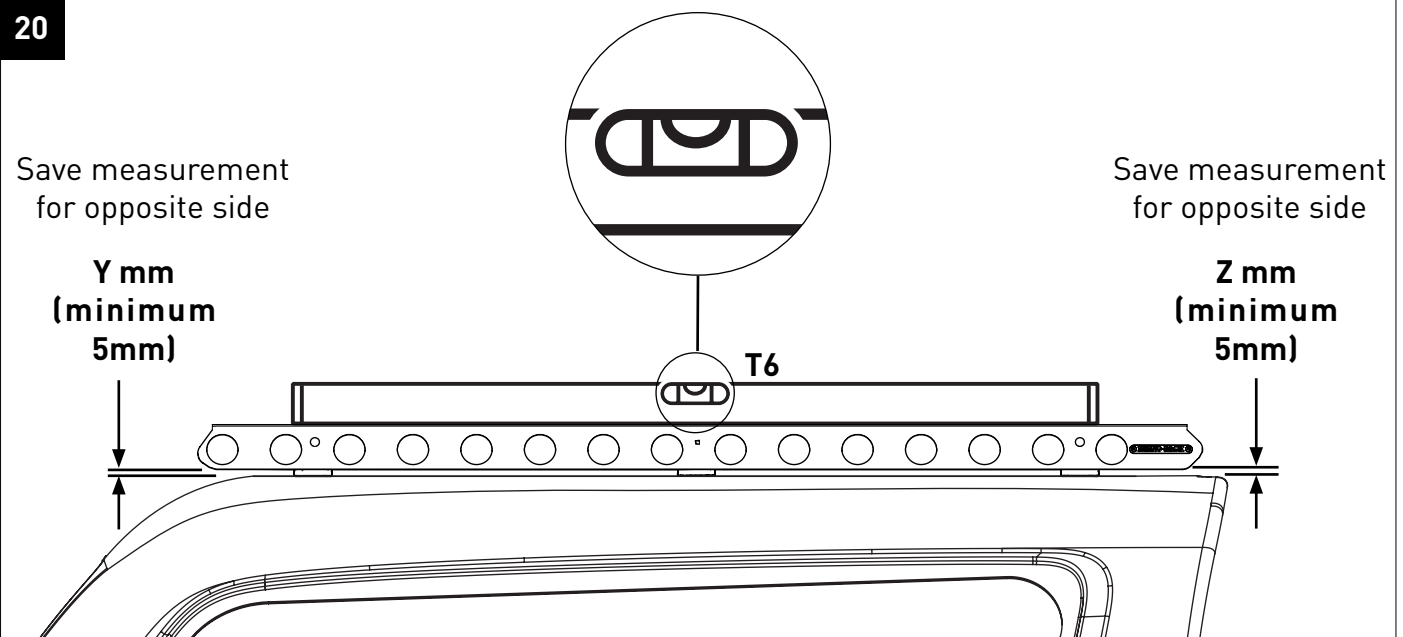
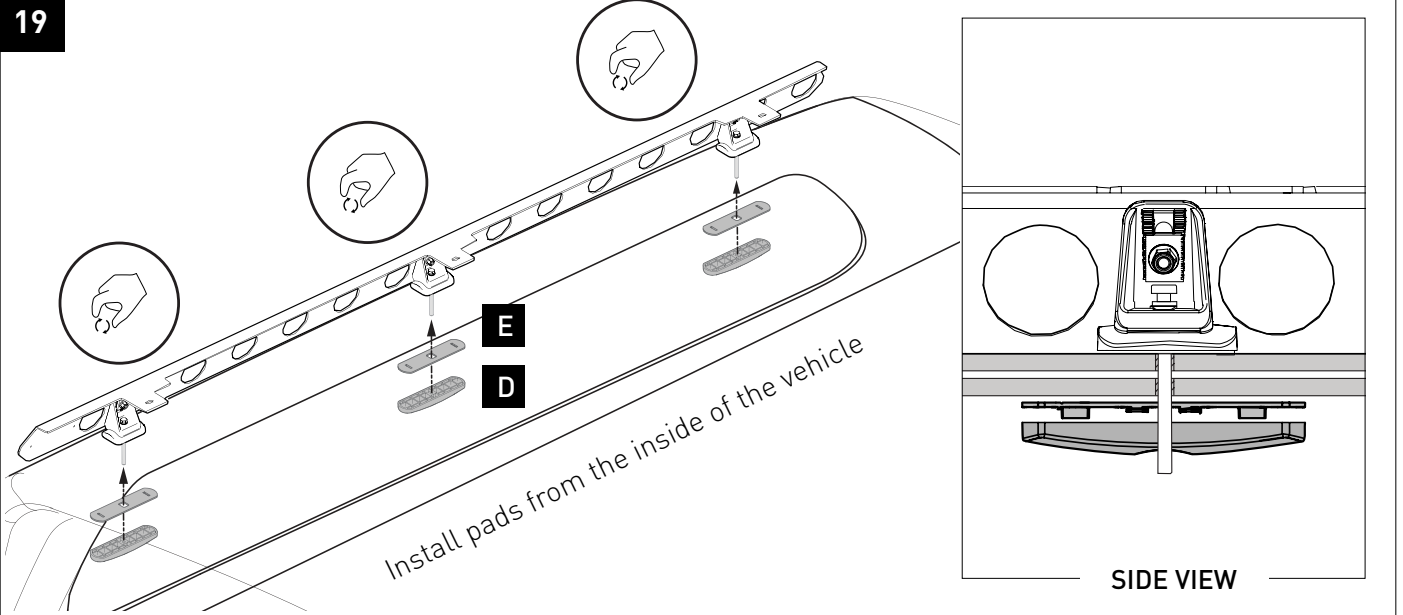


11

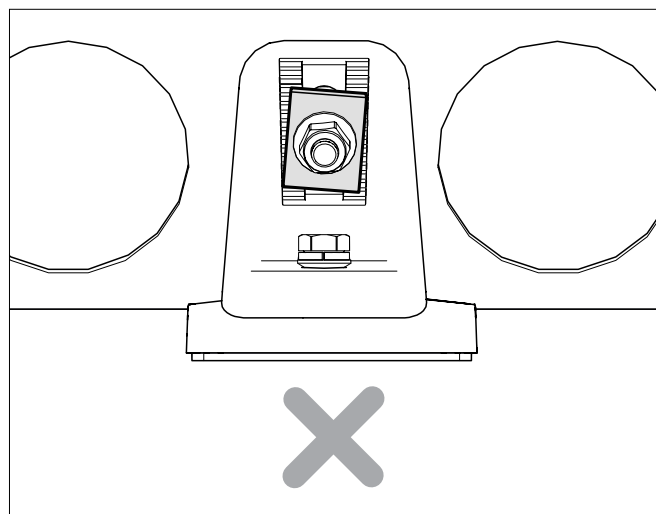
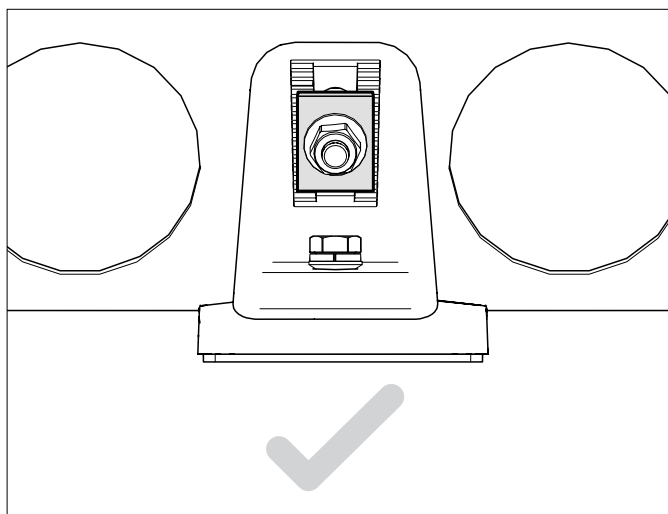




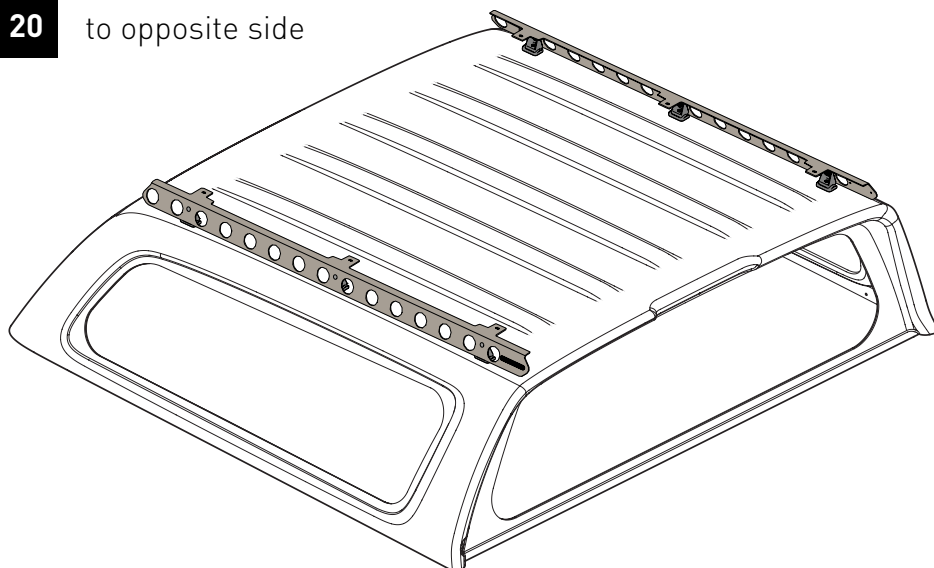




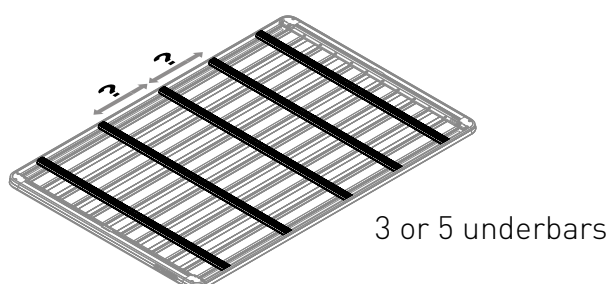
20c



21 Repeat **2** - **20** to opposite side



22 If your vehicle/canopy/topper is not listed on the website, proceed to the next step

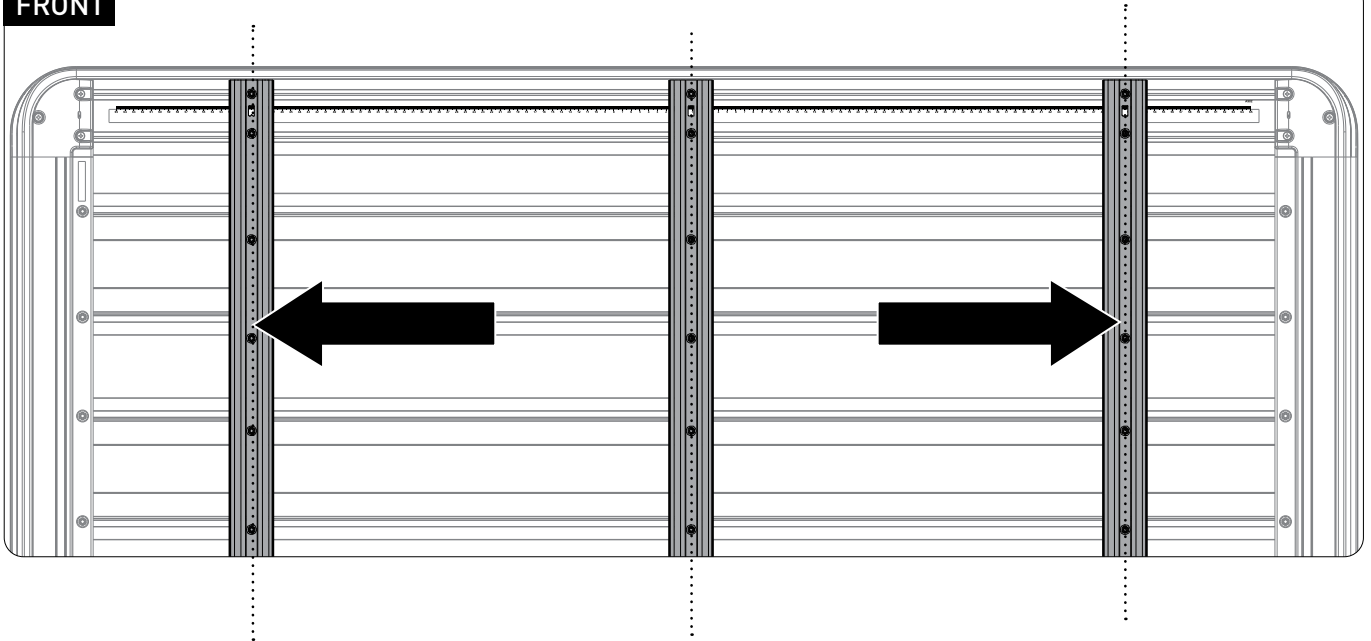


22a

Adjust the underbars evenly to fit the backbone mounting tabs and to suit the desired position of the Pioneer on the vehicle.

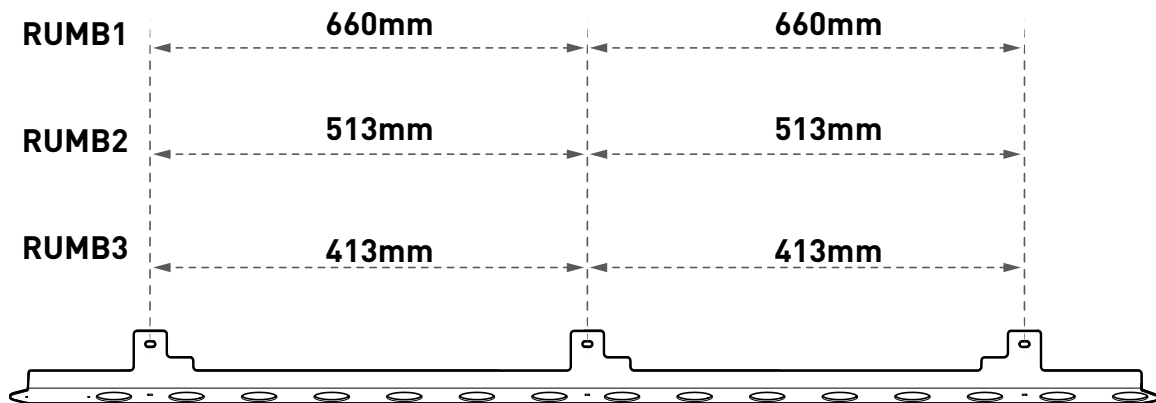
FRONT

UNDERSIDE OF PIONEER PLATFORM

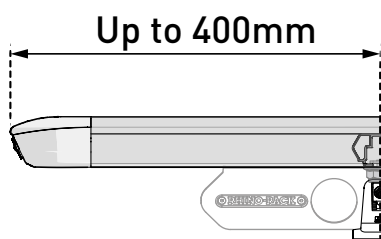


FRONT

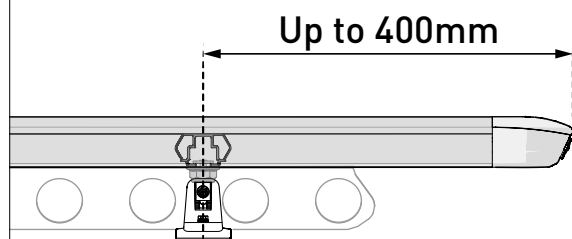
TOP VIEW OF BACKBONE



MAXIMUM FRONT AND REAR PIONEER OVERHANG

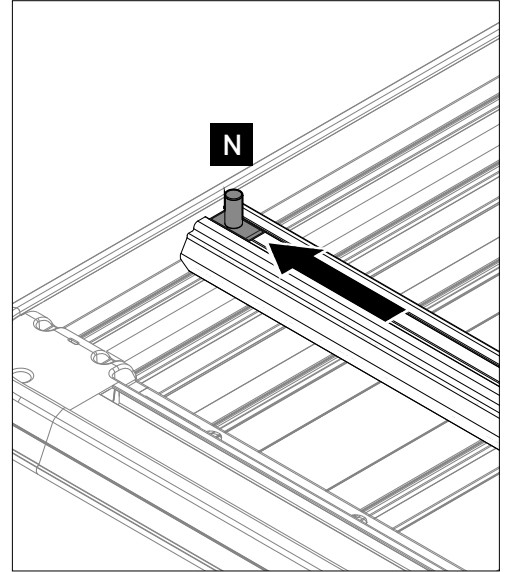
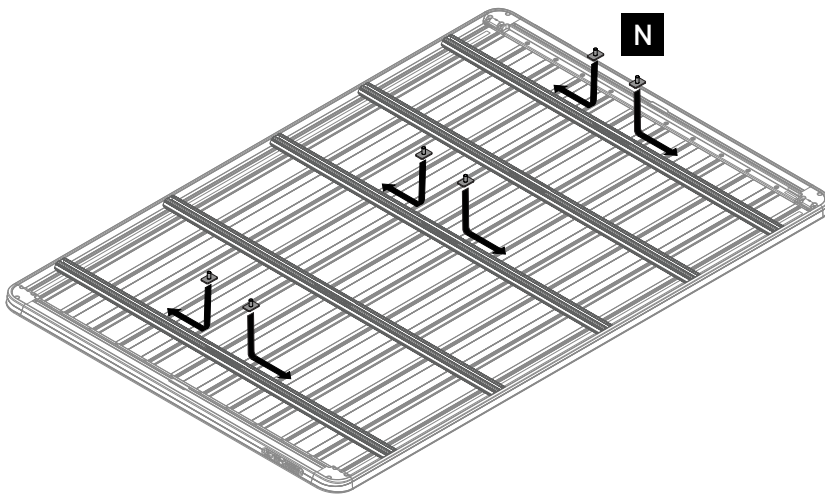


SIDE FRONT VIEW



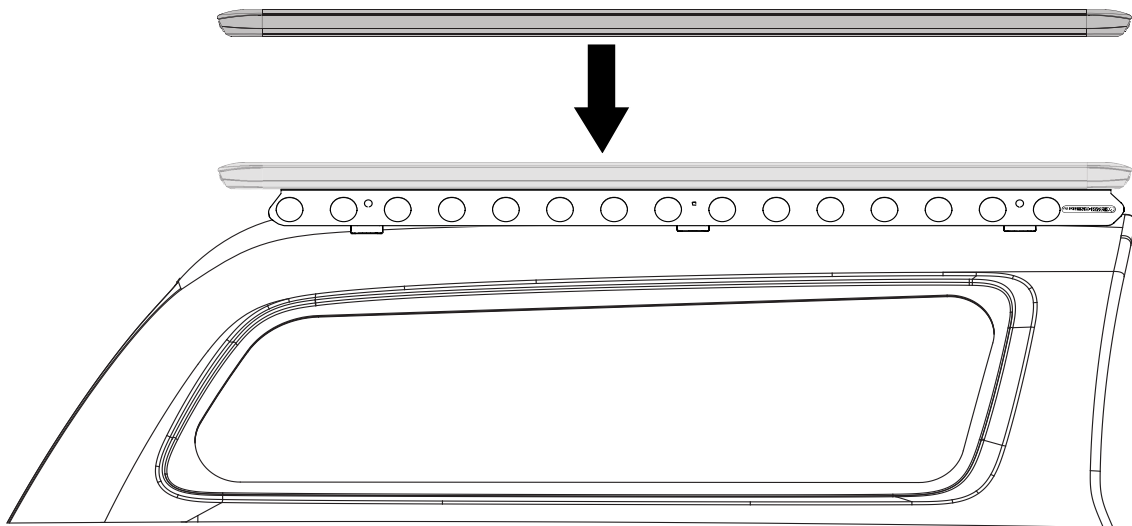
SIDE REAR VIEW

23

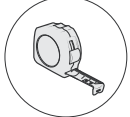


24

Refer to **NOTES** on Page 5

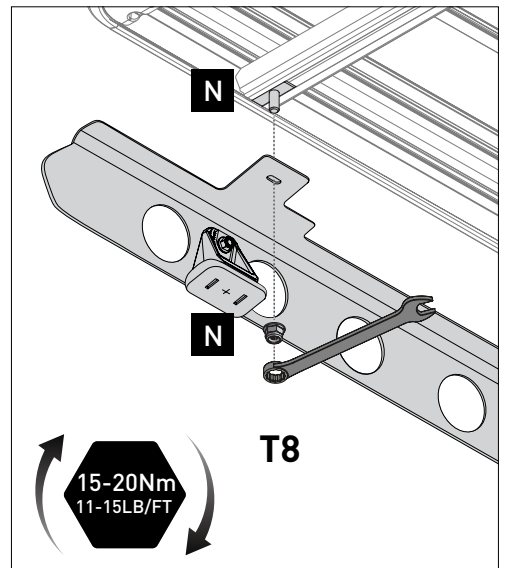
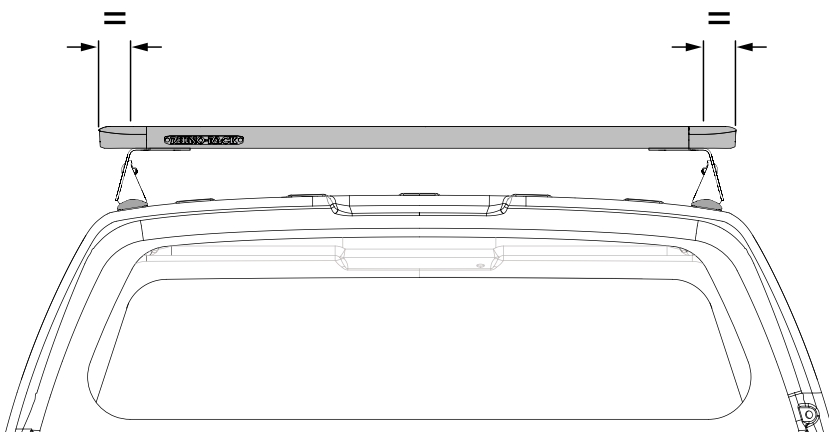
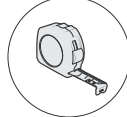


T3

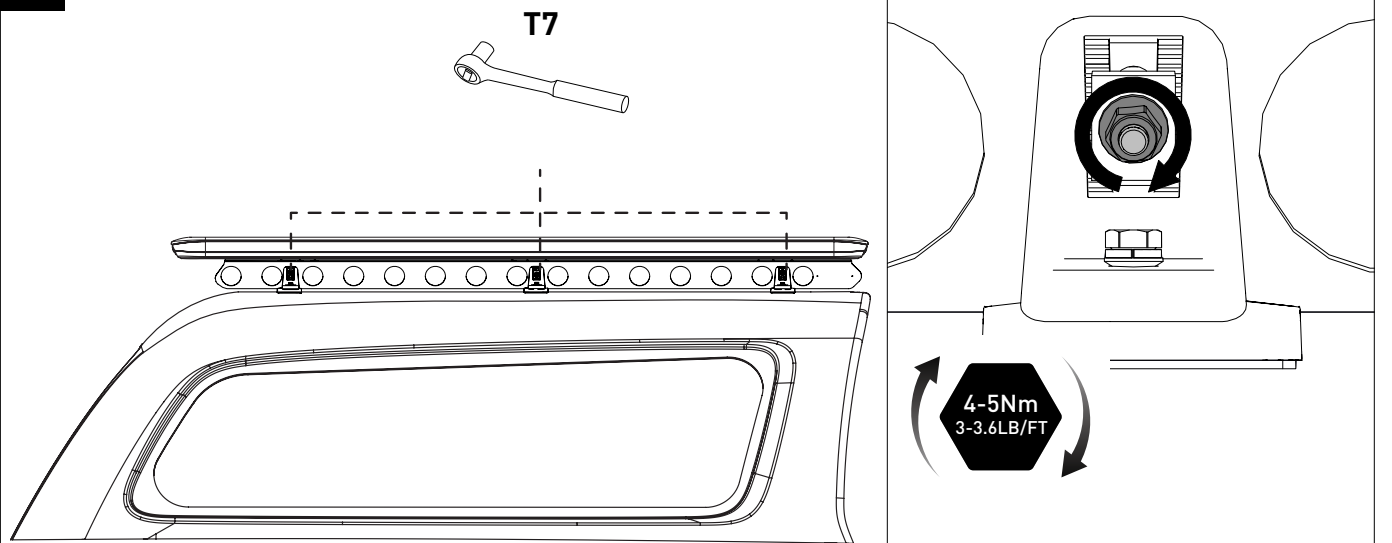


Centre tray on canopy

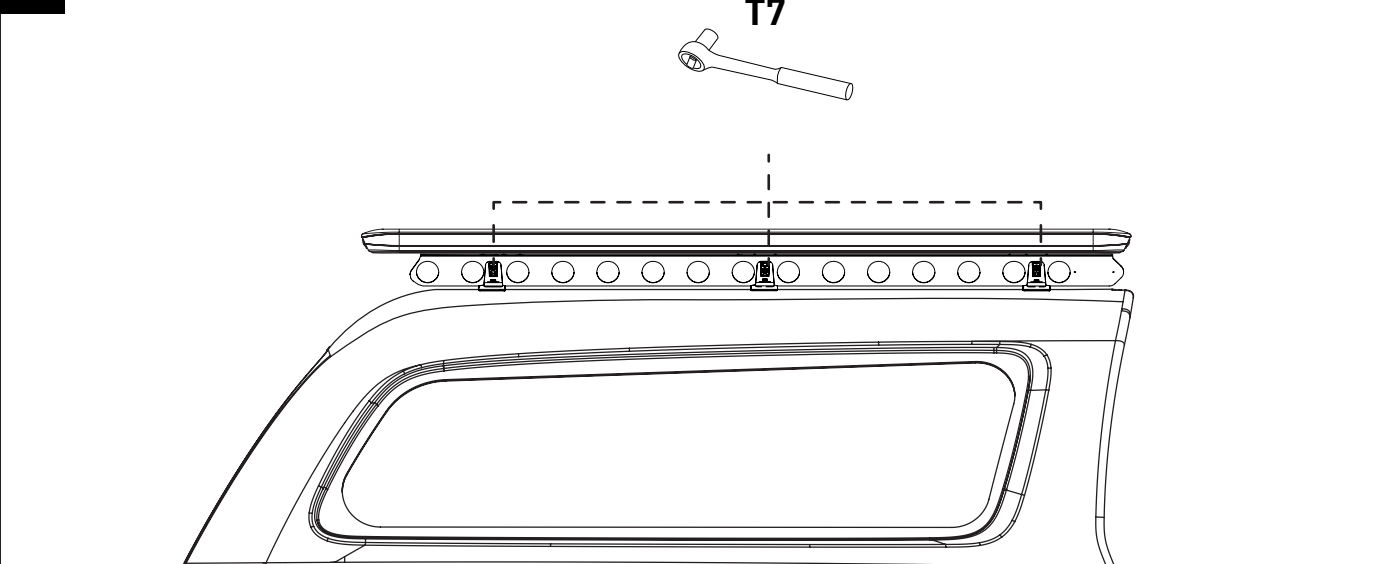
T3



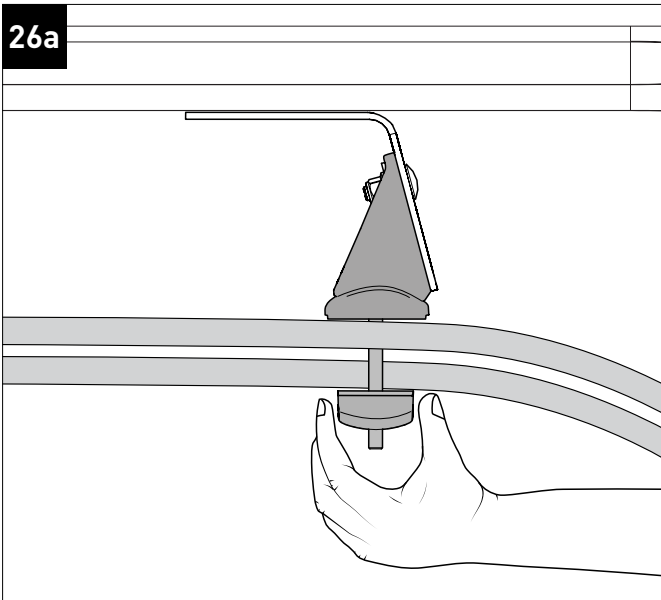
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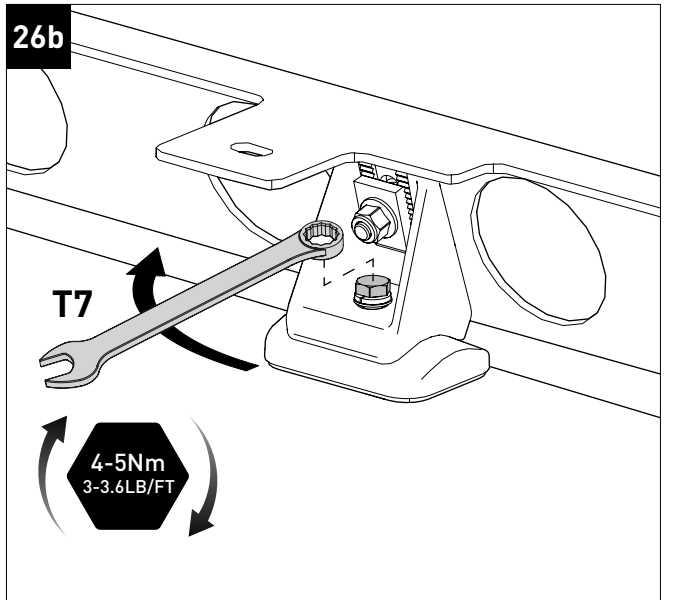
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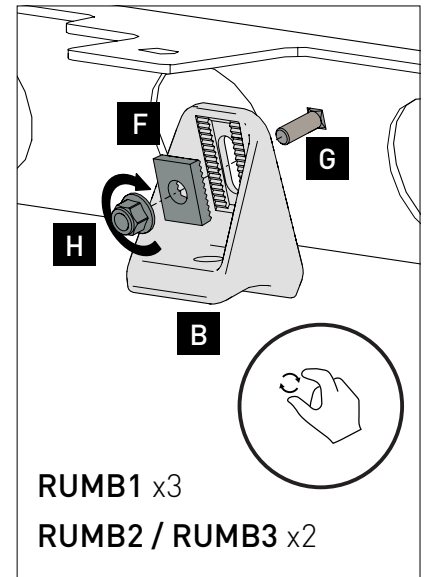
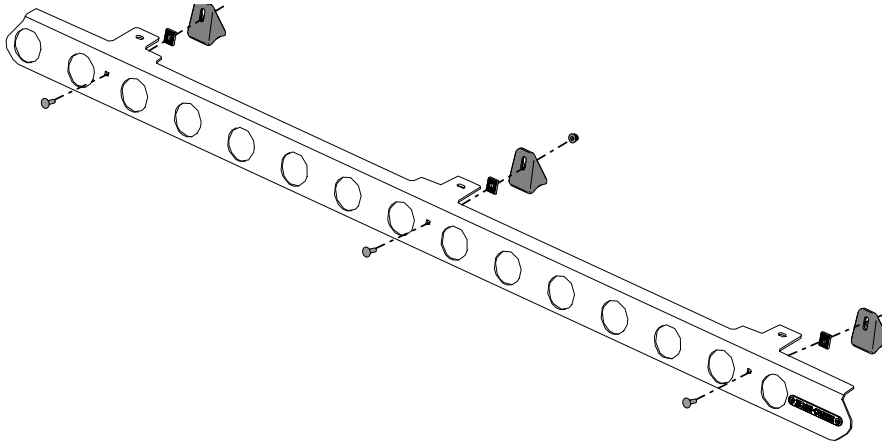
26a



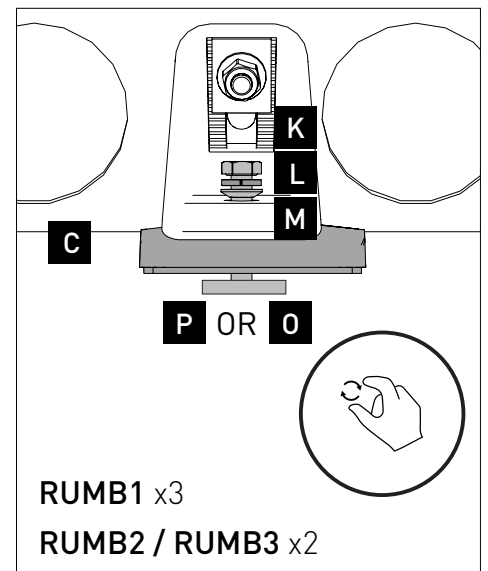
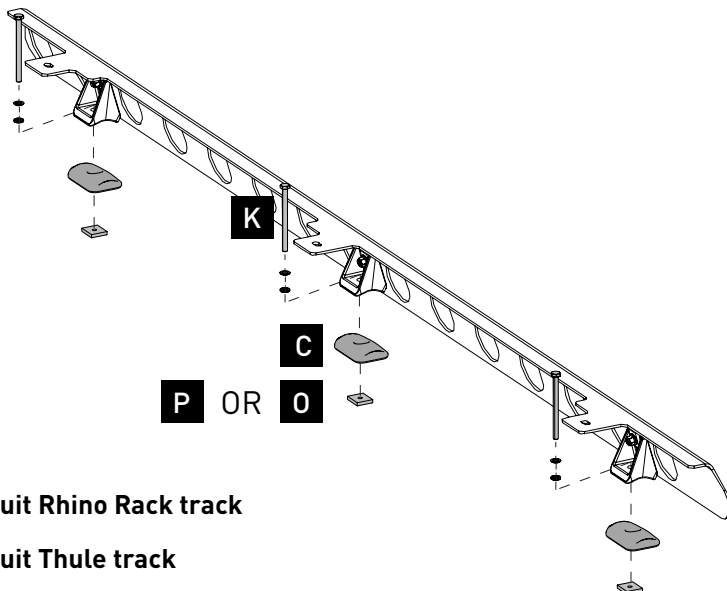
26b



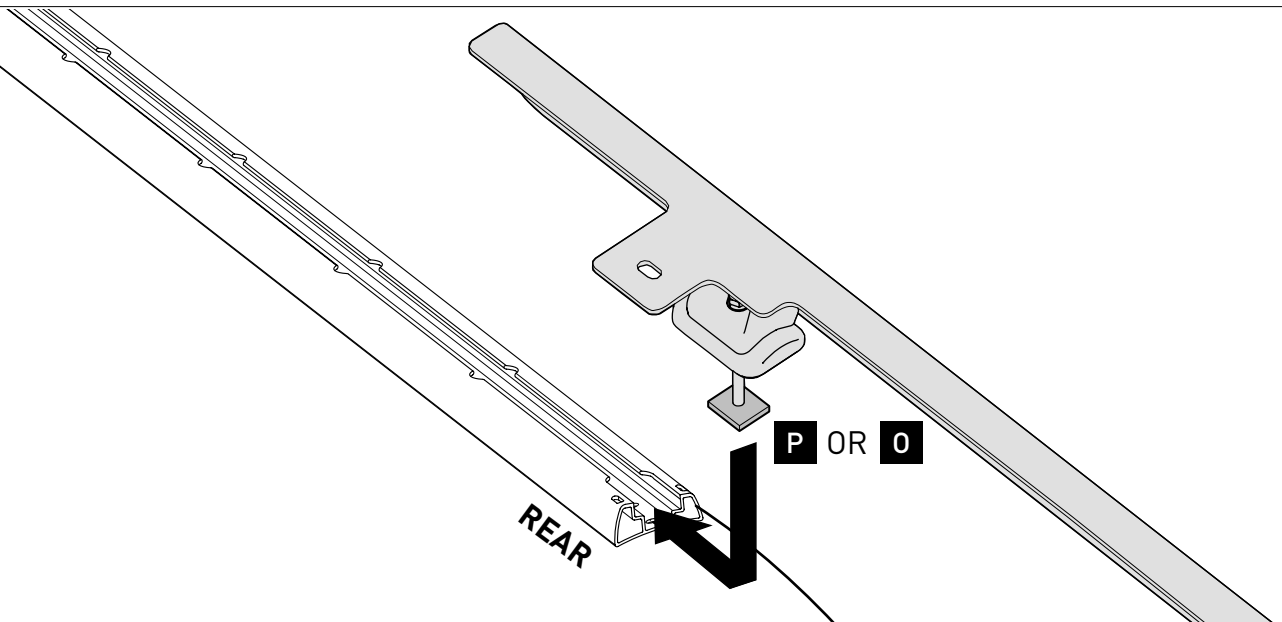
1 TRACK INSTALL



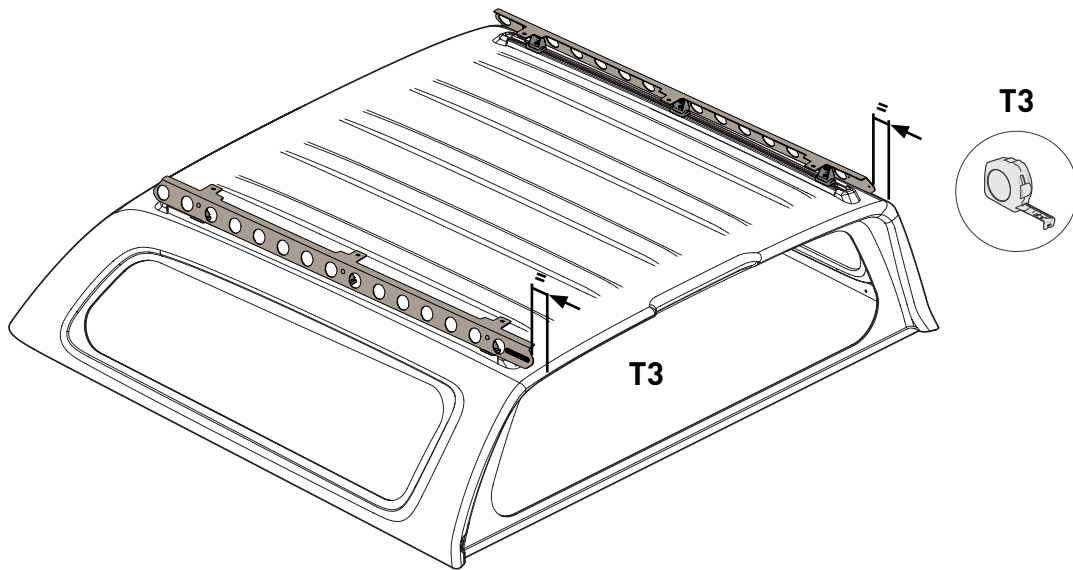
2



3



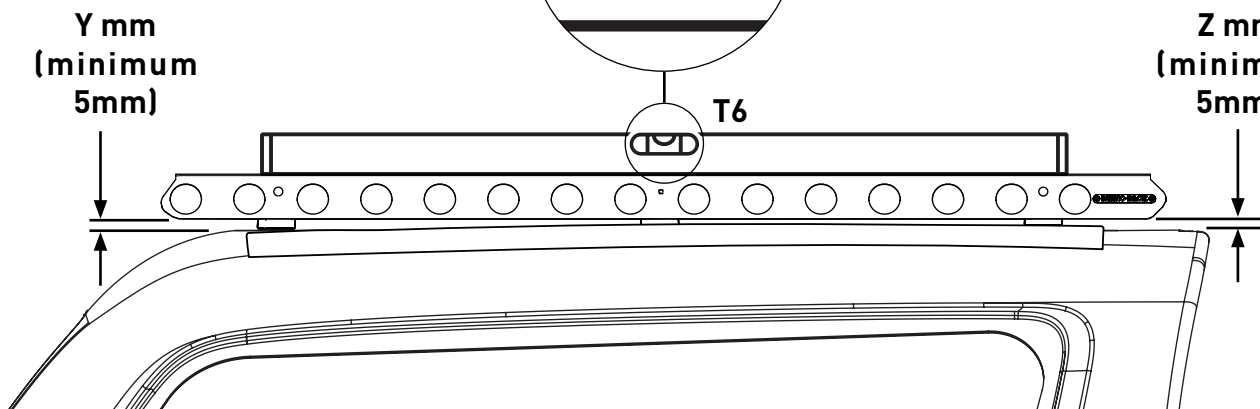
4



5

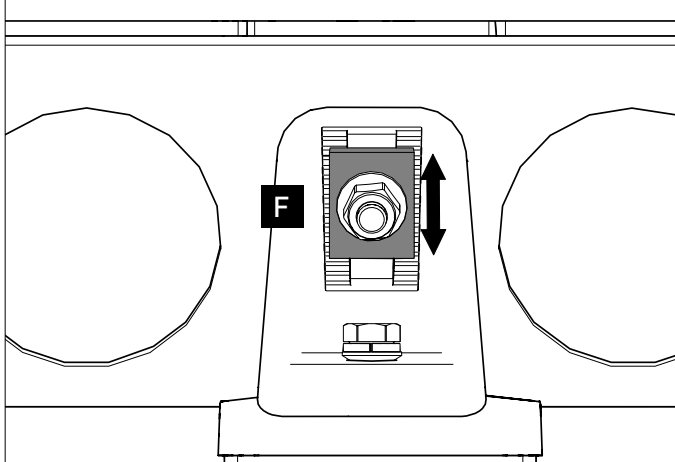
Save measurement
for opposite side

Save measurement
for opposite side

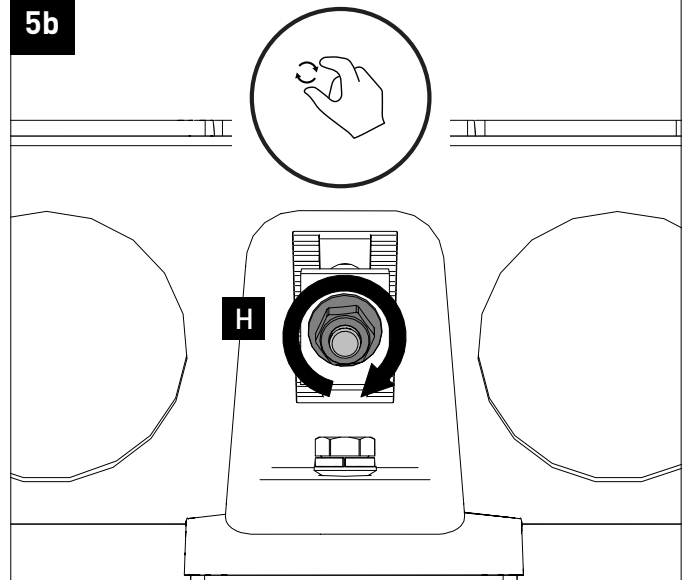


5a

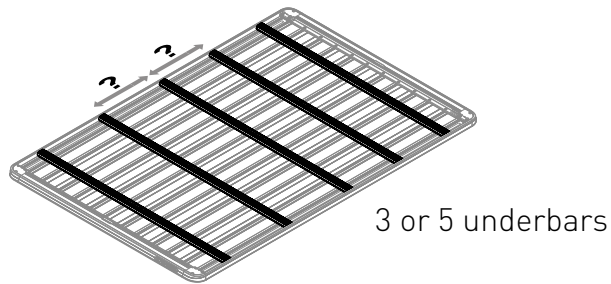
Adjust height on each leg



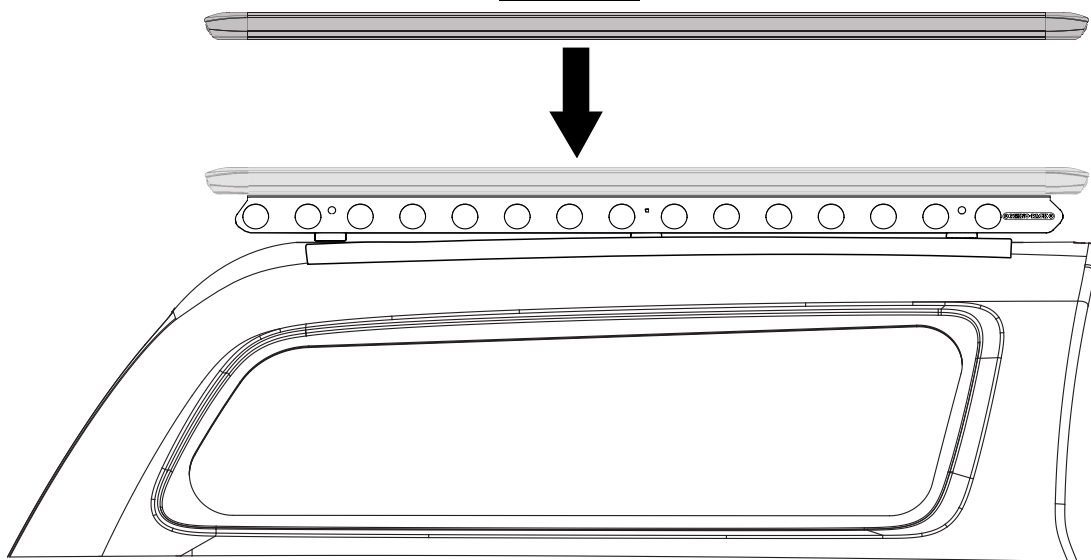
5b



6 If your vehicle/canopy/topper is not listed on the website, refer to Page 18, Step **22a**



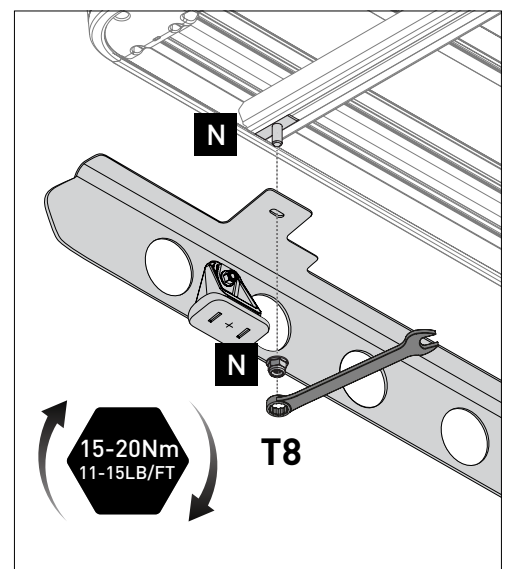
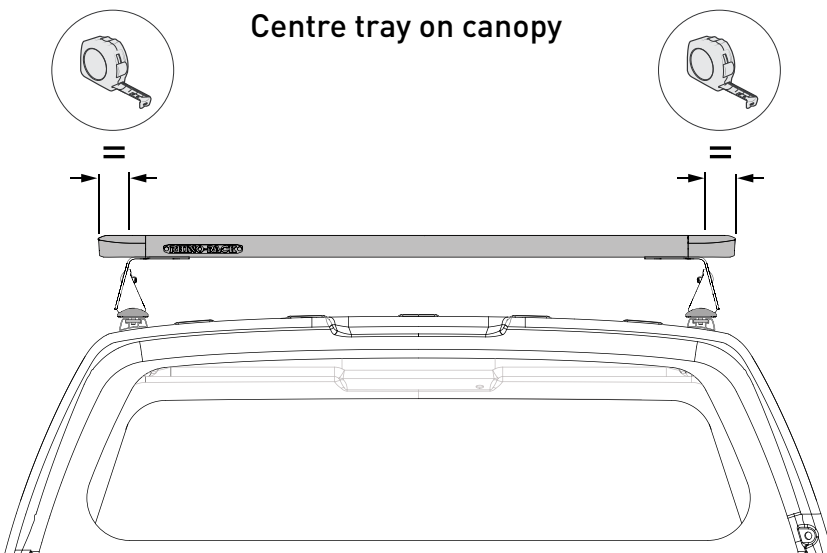
7 Refer **NOTES** on Page 4

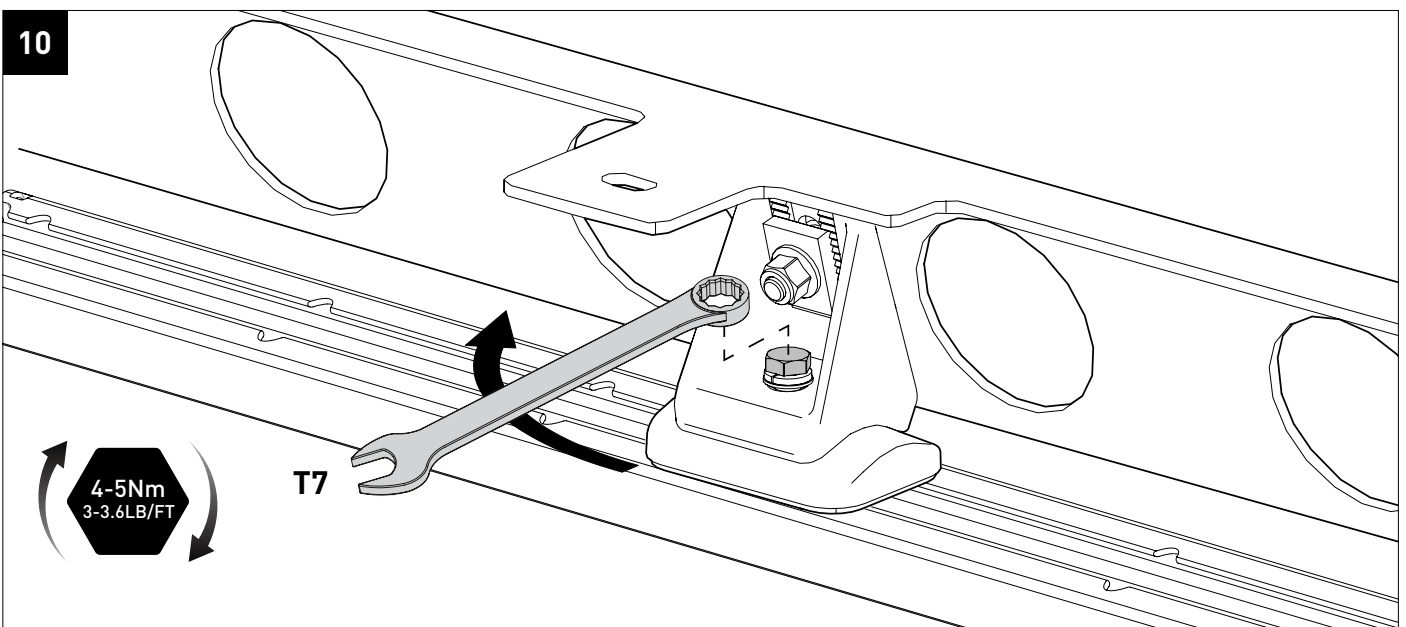
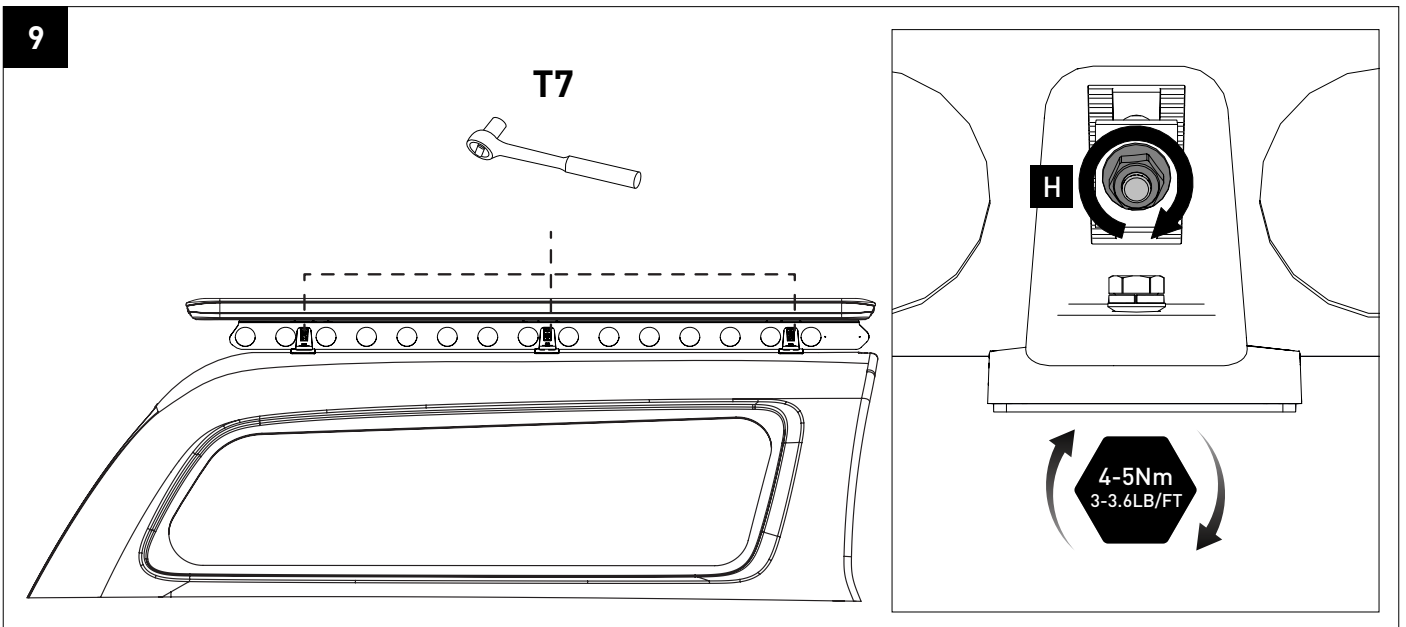
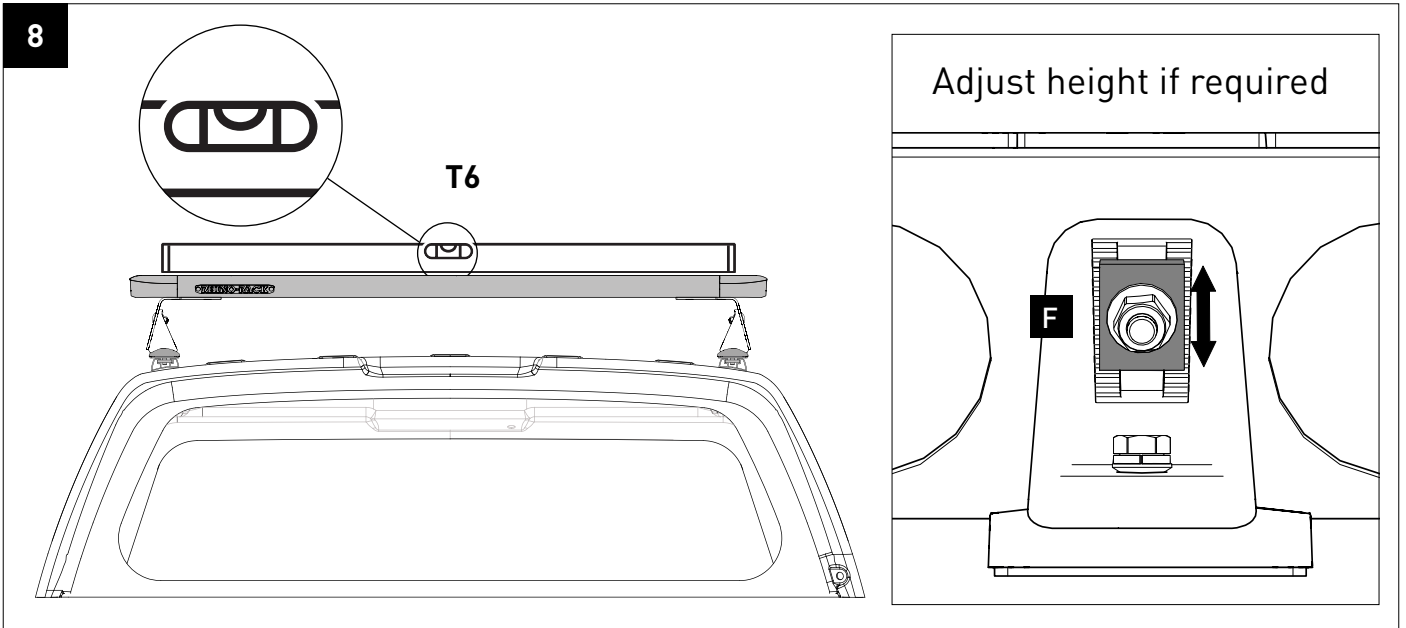


T3

Centre tray on canopy

T3

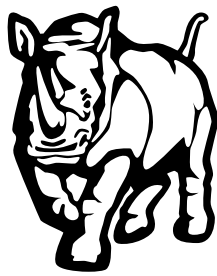




NOTES

NOTES

NOTES



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22A Hanson Pl,
Eastern Creek, NSW, 2766

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Aurora, CO, 80011