

RHINO-RACK®

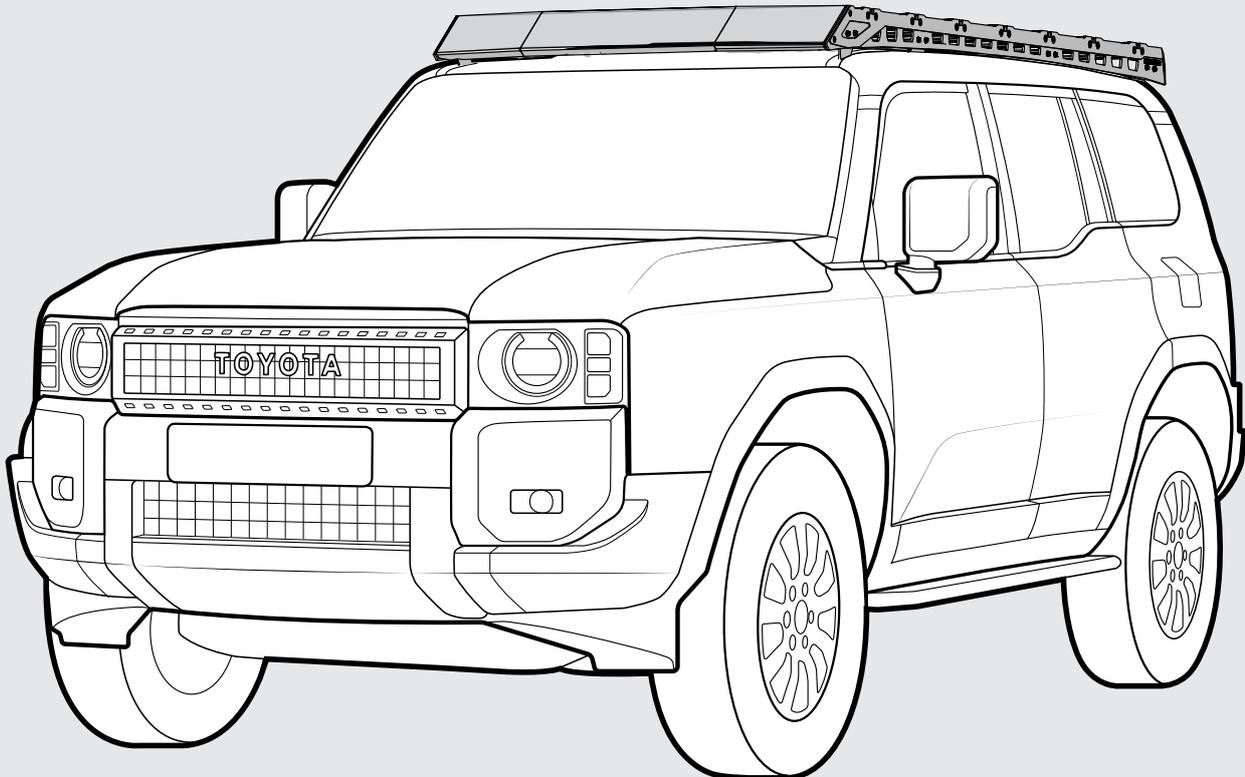
Reconn Platform

Toyota LC J250 (Prado) & Lexus GX 550
63102

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 accessory is installed correctly.
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: 90 mins



RHINORACK.COM

Document No: 520-RFI-00193

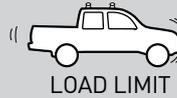
Issue No: 01

Issue Date: 07/09/2024

Toyota Land Cruiser (Prado) J250 & Lexus GX

DYNAMIC LOAD LIMIT:

***USE THE VEHICLE MANUFACTURER'S MAXIMUM ROOF ALLOWANCE IF IT IS LOWER THAN THE FIGURE LISTED**



OR



UP TO **116KG**
256lbs

+ **34KG** **=**
75 lbs

UP TO **150 KG**
331 lbs

***VEHICLE MANUFACTURER'S ROOF LOAD LIMIT**

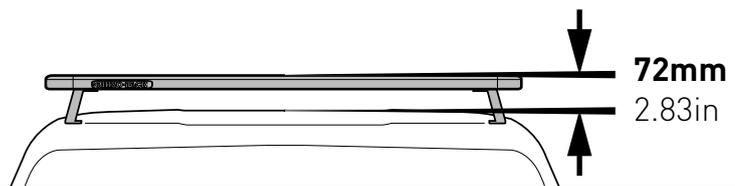


STATIC LOAD LIMIT: UP TO 250KG / 551LBS*

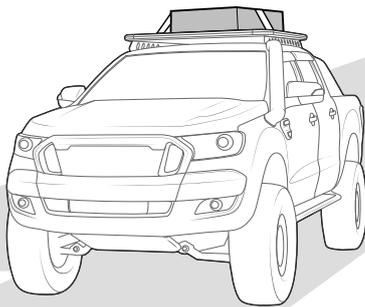


VISIT THE ONLINE CALCULATOR FOR CURRENT SYSTEM LOAD LIMIT DATA

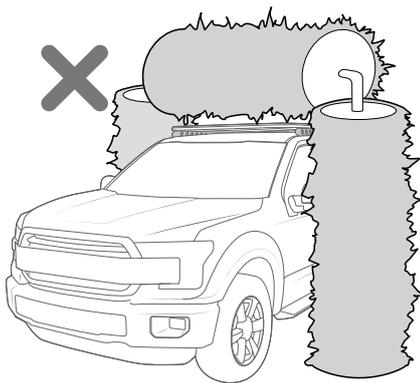
VEHICLE HEIGHT ADDED (mm/in)



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).



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



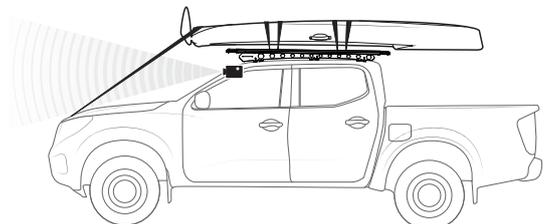
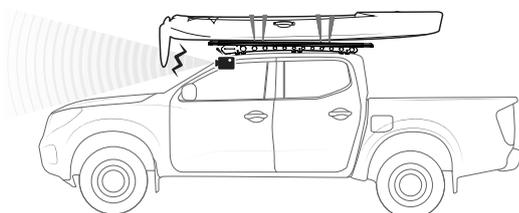
Ensure Ladder is well supported on the ground to support tent. Take extreme caution when climbing heights above 1.2m/4ft.



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



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

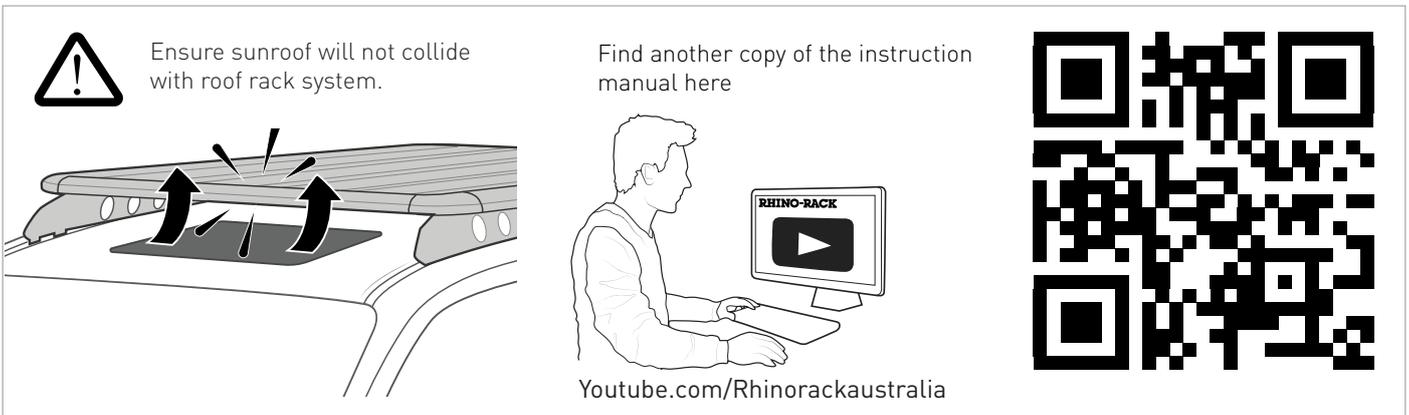
Avoid point loads concentrated at the front or rear.

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

Surfboard Overhang > 600mm must be tied to the bonnet

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

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



In service maintenance checks

- All bolts should be checked after driving a short distance when you first install your roof racks ensure none have loosened.
- 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 total vehicle manufacturer's GVM (gross vehicle mass) and gross axle weights are not exceeded (refer to vehicle owner's manual).

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 changed or used for any other purpose than intended.

Torque Settings

Throughout this instruction manual, an impact driver can be used to speed up installation. However, it is important to ensure that the final turns are completed with a torque wrench to achieve the required torque rating.

Take caution when using an impact driver, as excessive torque can result in stripped threads.



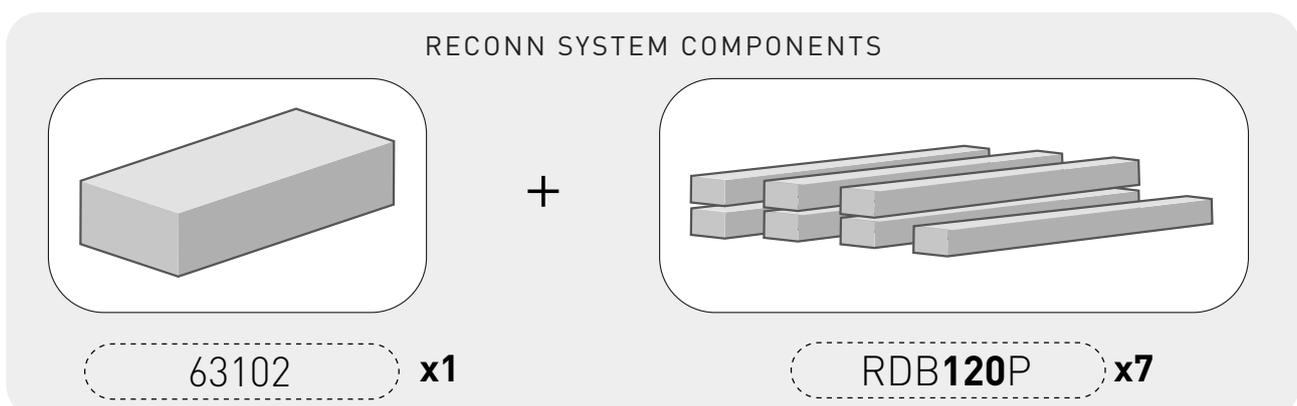
Torque Settings:

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



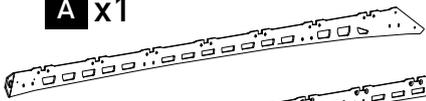
What you should have

To complete this build/ fit you will need.

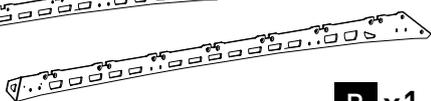


Parts List

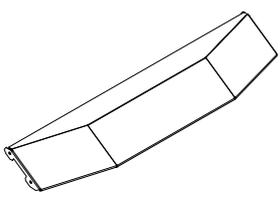
Blade - Left Side
A x1



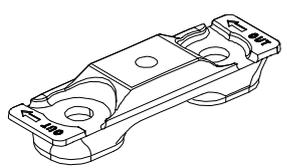
Blade - Right Side
B x1



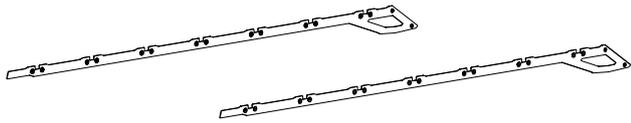
Fairing Weldment
C x1



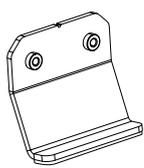
Cast Mounting Block with Gasket
D x6



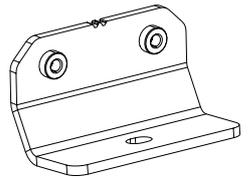
Trim Plate
E x2



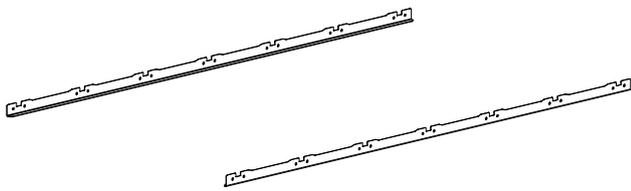
Adhesive Leg
F x2



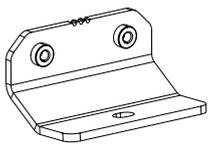
Front Leg
G x2



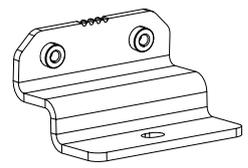
Stiffening Plate
H x2



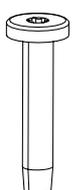
Middle Leg
I x2



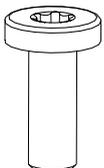
Rear Leg
J x2



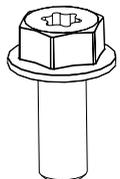
M8 x 40 Torx Socket Trilobular Screw
K x28



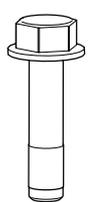
M6 x 16 Torx Socket Screw
L x20



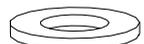
M8 x 20 Hex Head Flanged Bolt with T40
M x6



M8 X 35MM Hex Head Flanged Bolt
N x12



M6 x 12.5mm Flat Washer
O x16



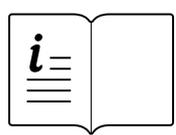
T30 x 100mm Torx Drive 1.4 Hex Driver
P x1



T40 x 100mm Torx Drive 1.4 Hex Driver
Q x1



Instruction
R x1



Reconn Deck Bar
RDB120P x7



Tools Required:

- T1 - Tape Measure
- T2 - Cutting Tool
- T3 - Marker/Pen
- T4 - Flat Head Screw Driver
- T5 - Impact Driver
- T6 - 13mm Socket Wrench
- T7 - Cleaning Rag

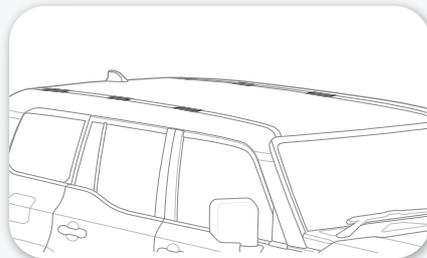
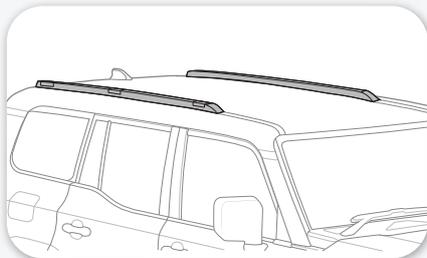
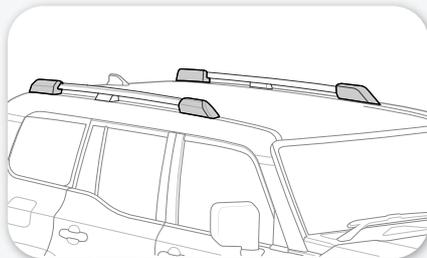
- T8 - Pointed Trim Tool
- T9 - Trim Tool - Fork Head
- T10 - 12mm Socket Wrench
- T11 - Torque Wrench

RAISED RAIL

FLUSH RAIL

BARE ROOF

P1

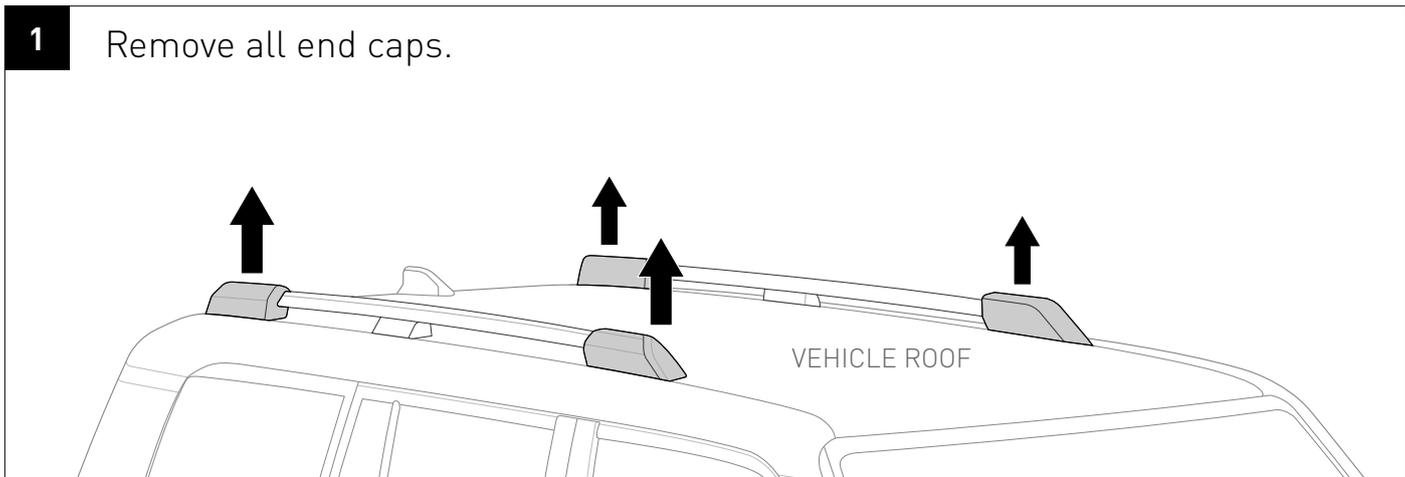


Go to **Steps 1 - 4**

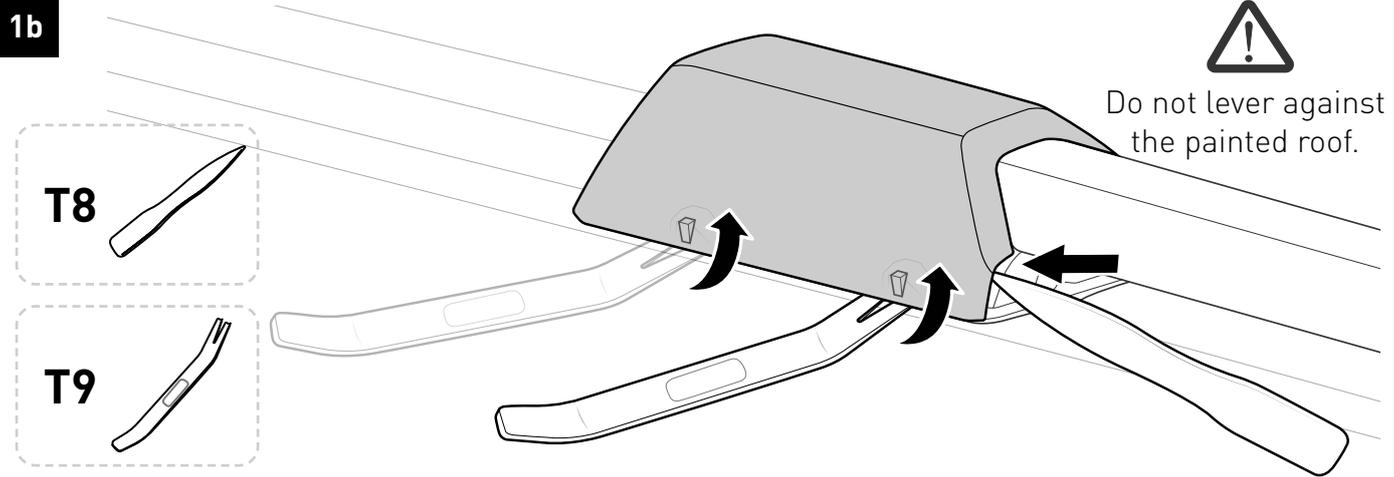
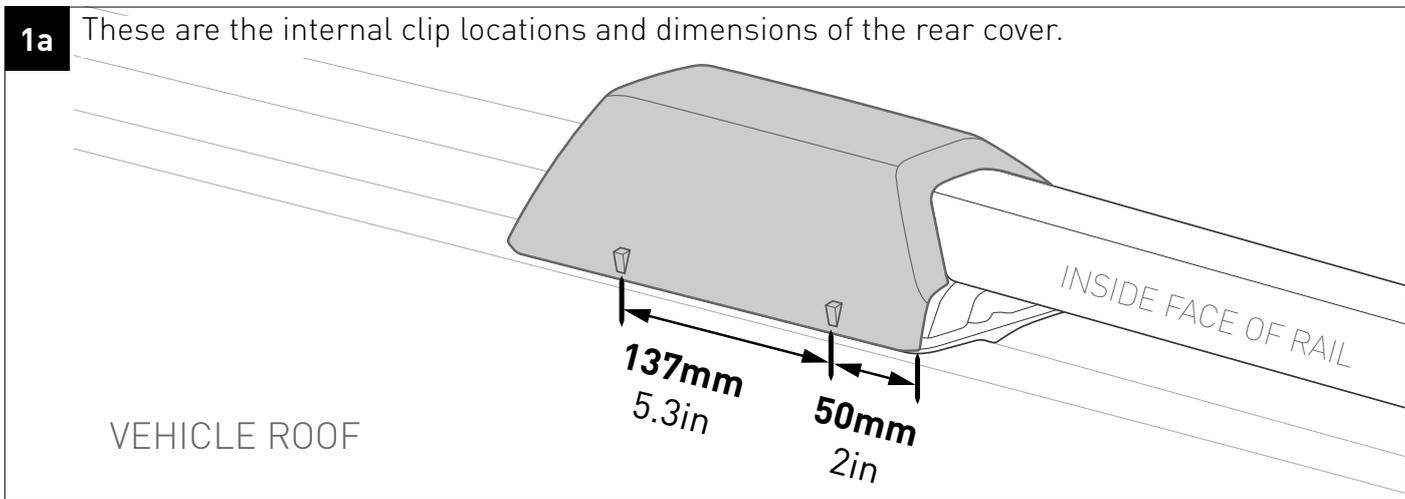
Skip to **Steps 5 - 7**

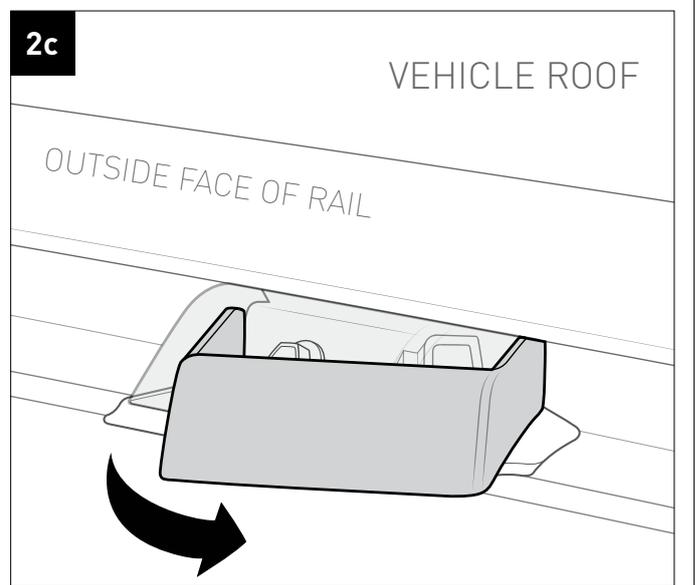
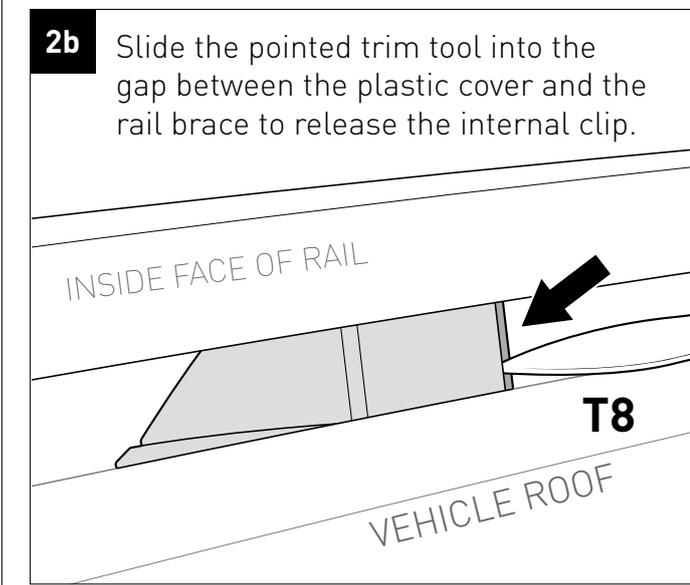
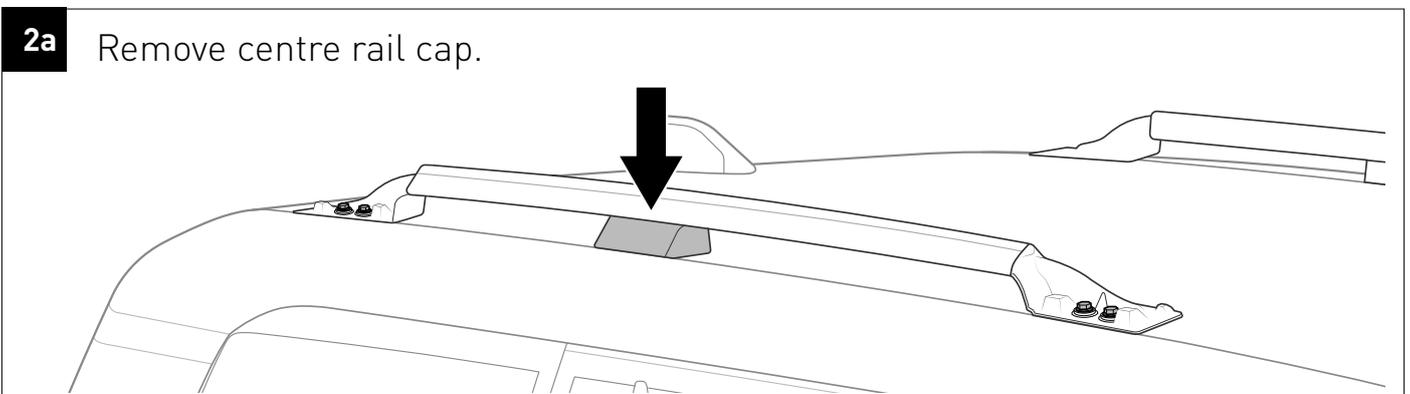
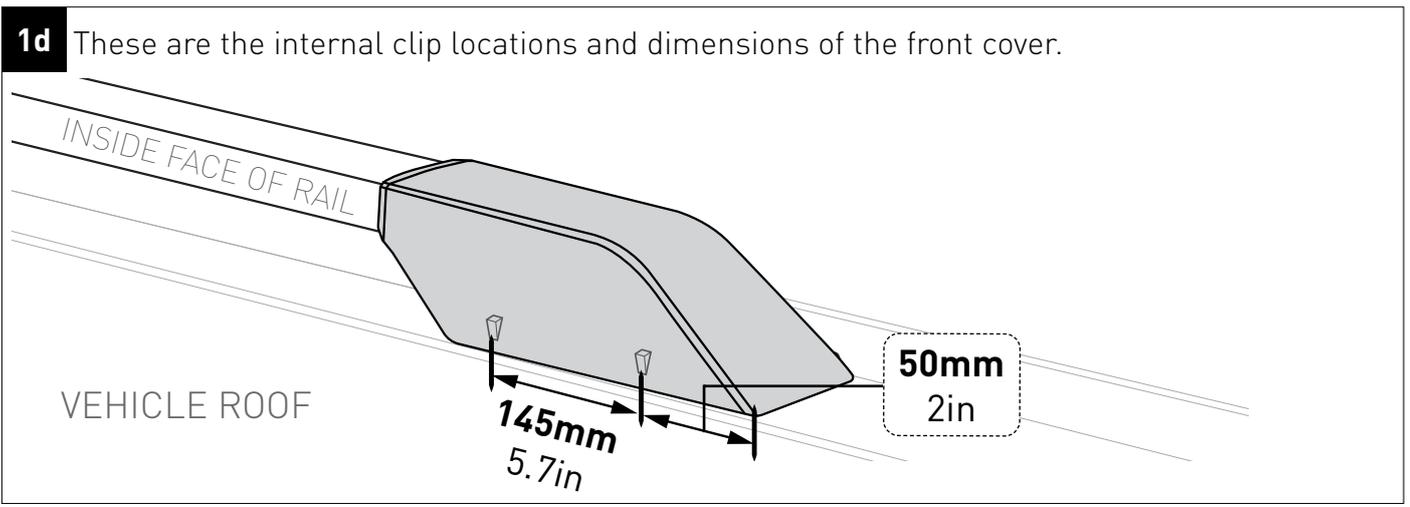
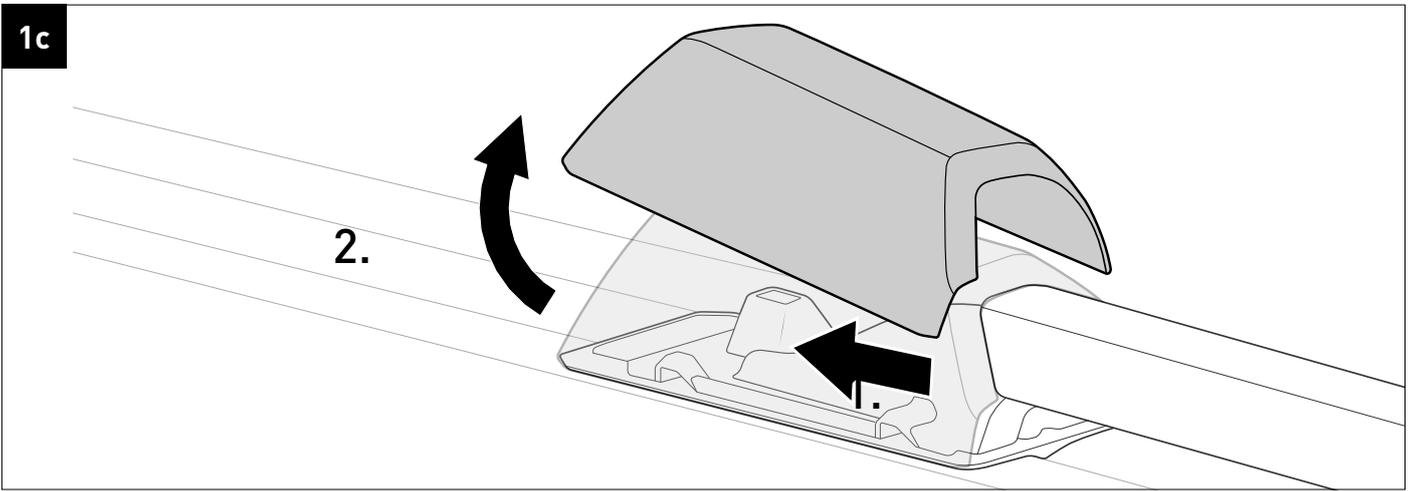
Skip to **Steps 8 - 9**

1 Remove all end caps.



1a These are the internal clip locations and dimensions of the rear cover.

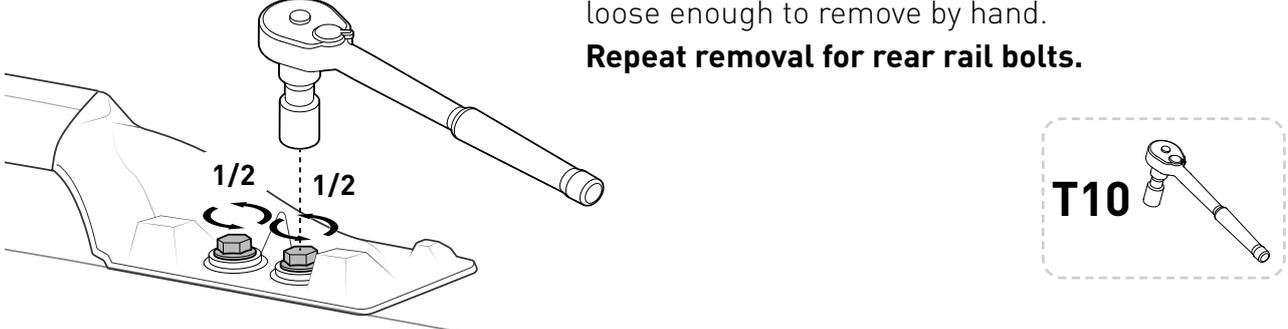




3a

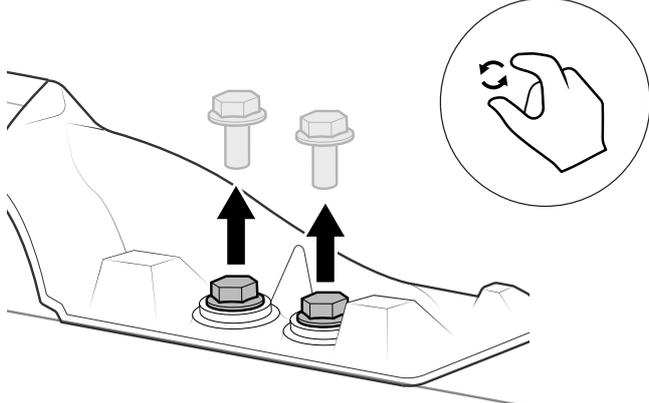
Break both bolts loose, incrementally turning each a half turn at a time, until they are both loose enough to remove by hand.

Repeat removal for rear rail bolts.



T10

3b

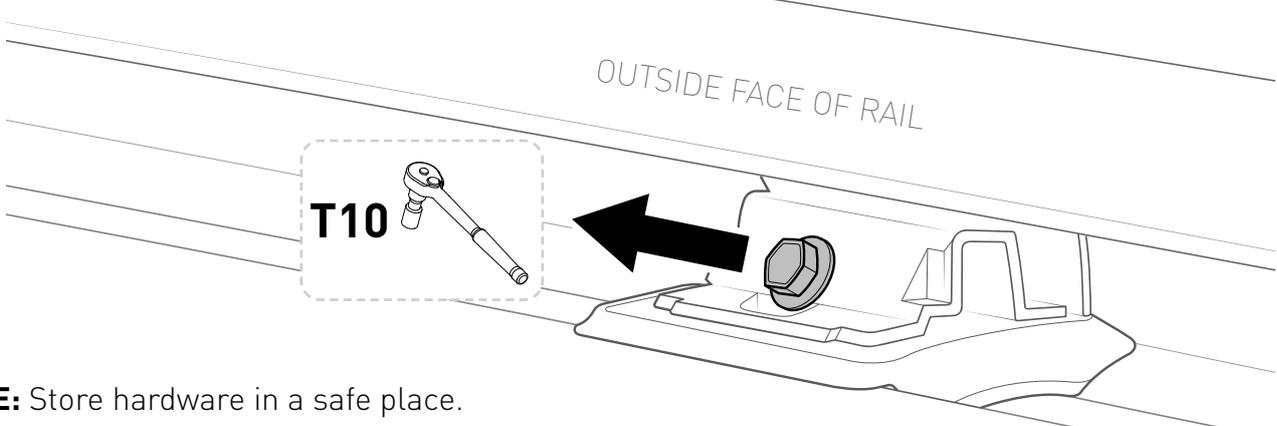


Ensure both bolts are loose before removing either bolt completely.

Failure to do so may lead to the internal threaded roof plate being dislodged.

NOTE: Store hardware in a safe place.

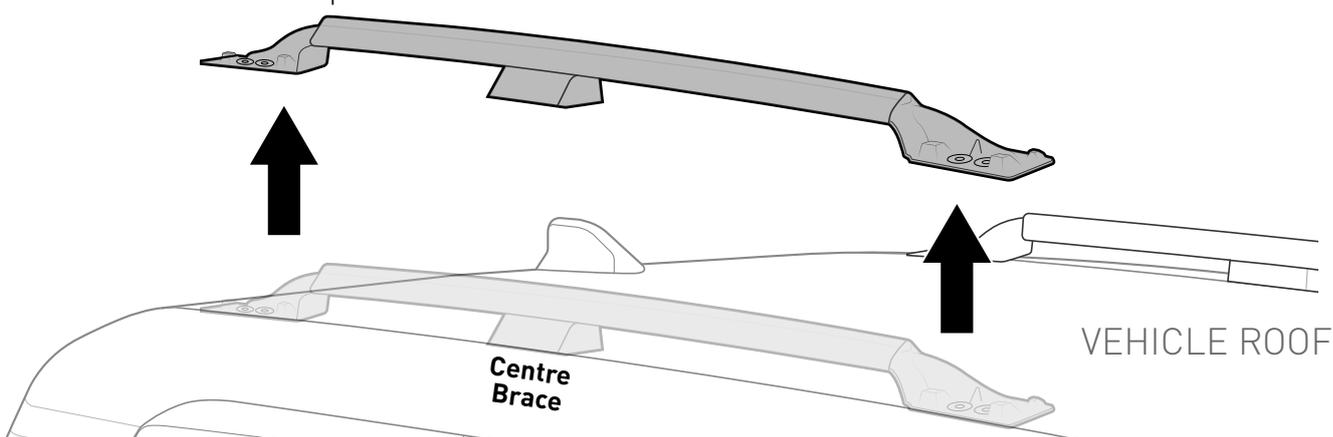
3c



NOTE: Store hardware in a safe place.

4a Remove rails by lifting vertically.

NOTE: Store in a safe place.

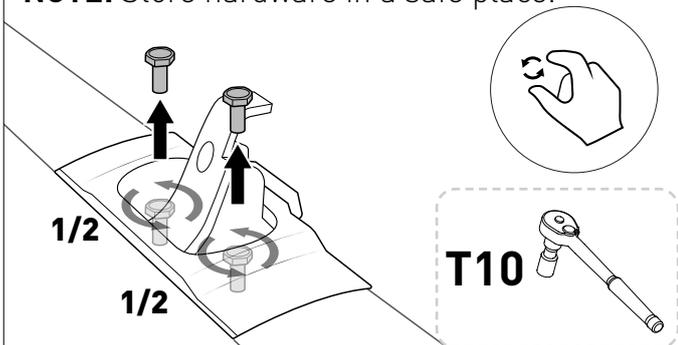


Centre Brace

VEHICLE ROOF

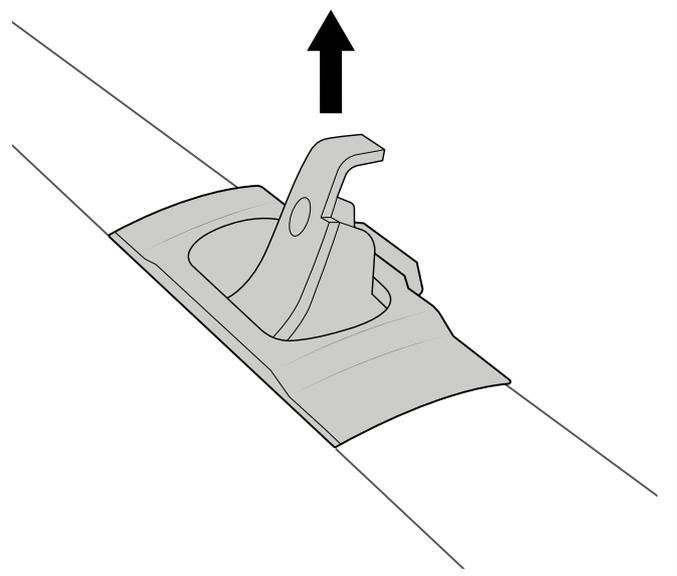
4b Break both bolts loose, incrementally turning each a half turn at a time, until they are both loose enough to remove by hand.

NOTE: Store hardware in a safe place.



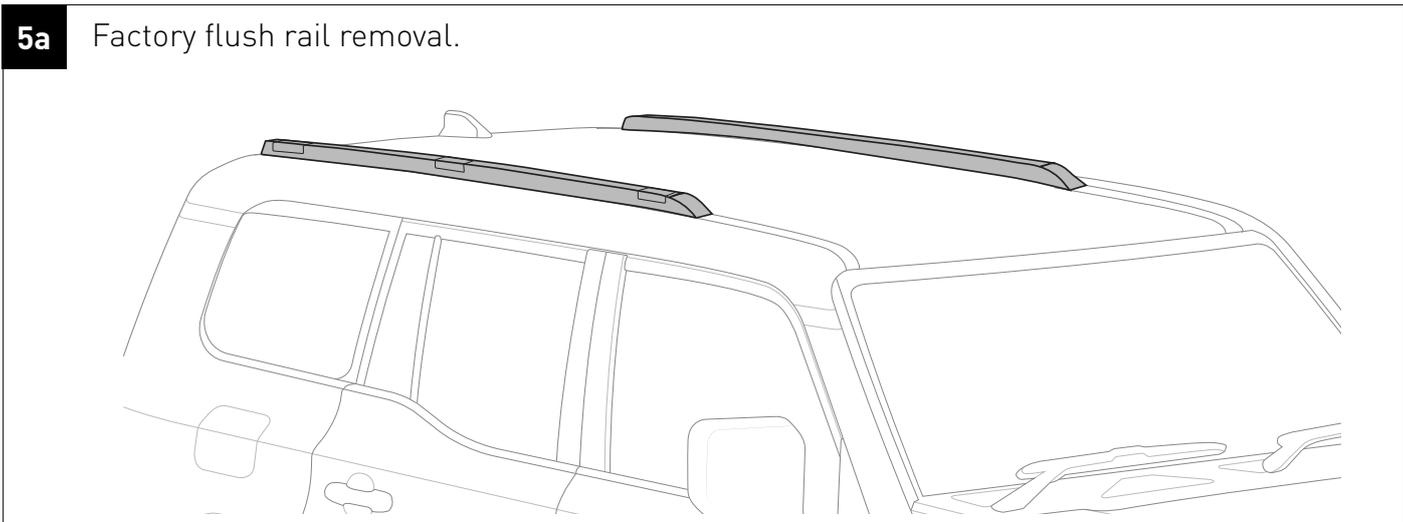
Ensure both bolts are loose before removing either bolt completely. Failure to do so may lead to the internal threaded roof plate being dislodged.

4c

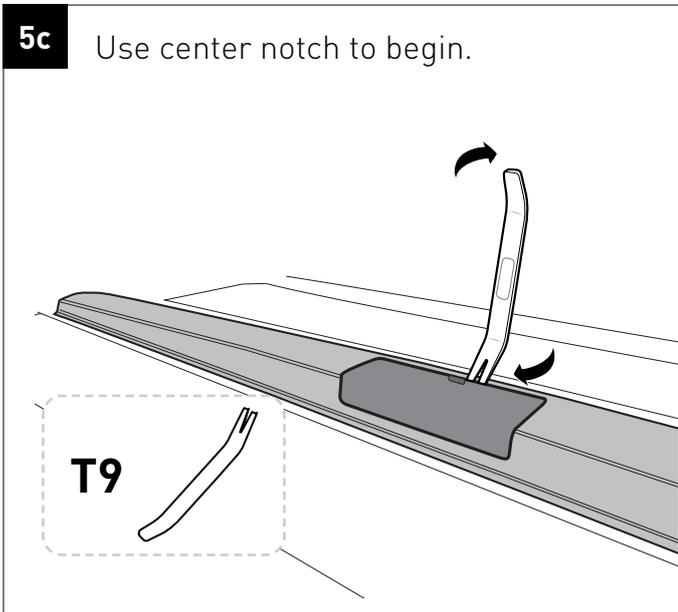


Raised Rail Removal Complete. **Skip to step 10**

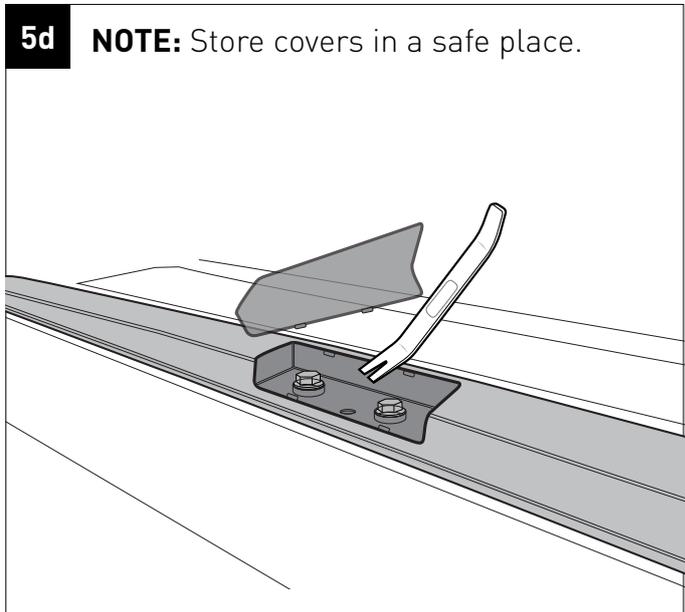
5a Factory flush rail removal.



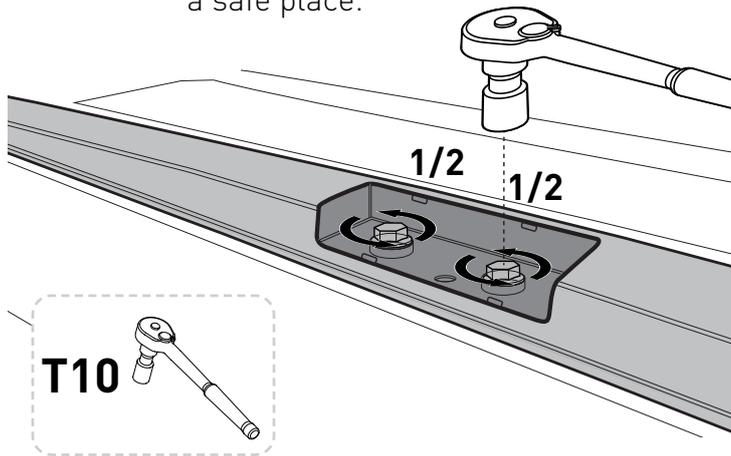
5c Use center notch to begin.



5d **NOTE:** Store covers in a safe place.



6a **NOTE:** Store hardware in a safe place.



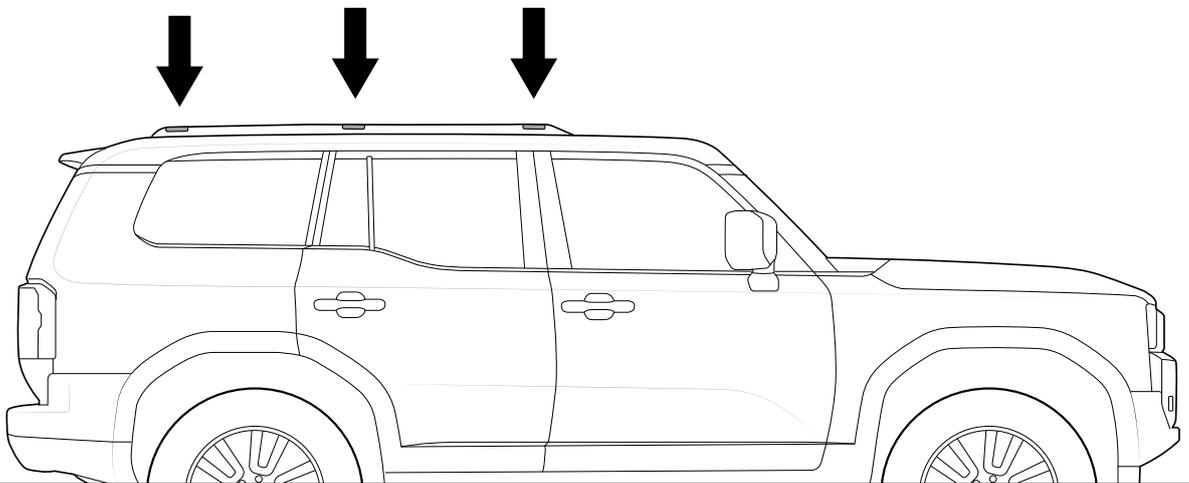
Break both bolts loose, incrementally turning each a half turn at a time, until they are both loose enough to remove by hand.



Ensure both bolts are loose before removing either bolt completely.

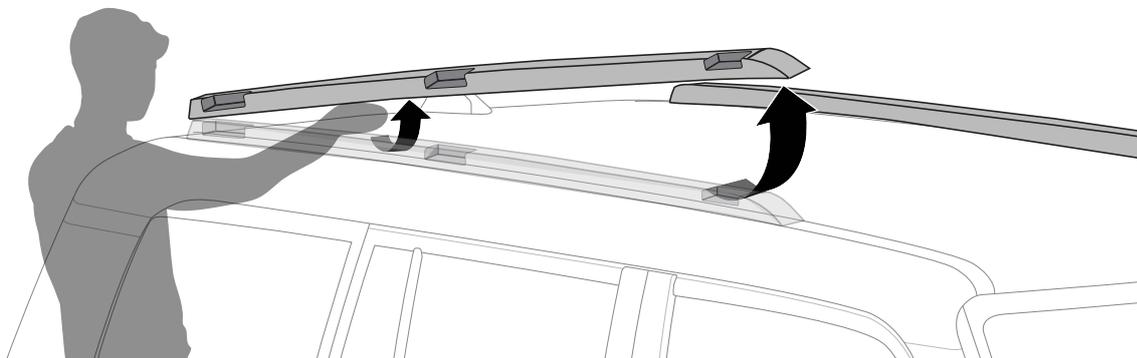
Failure to do so may lead to the internal threaded roof plate being dislodged.

6b Remove mounting point **covers and bolts** on both sides (three per side).



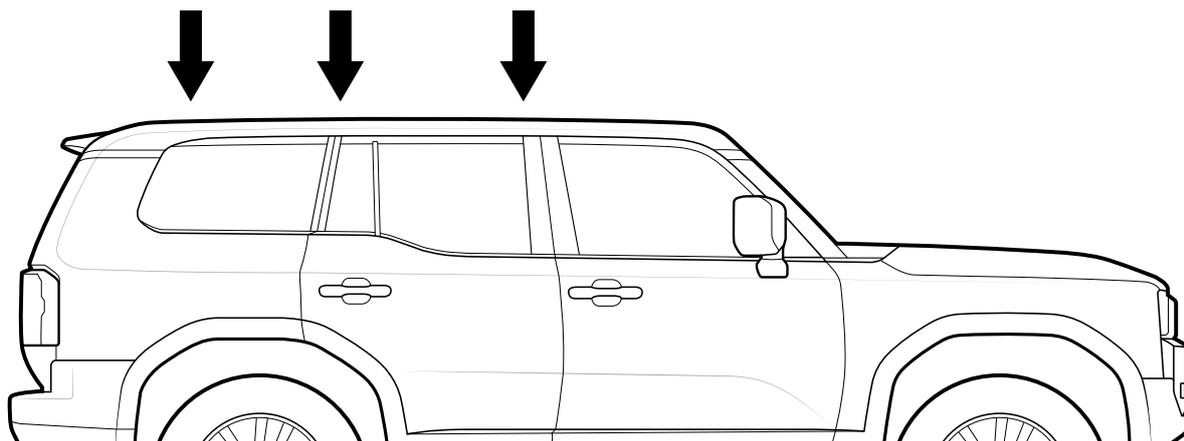
7 Remove rails by lifting vertically. Repeat for **both rails**.

NOTE: Store in a safe place.

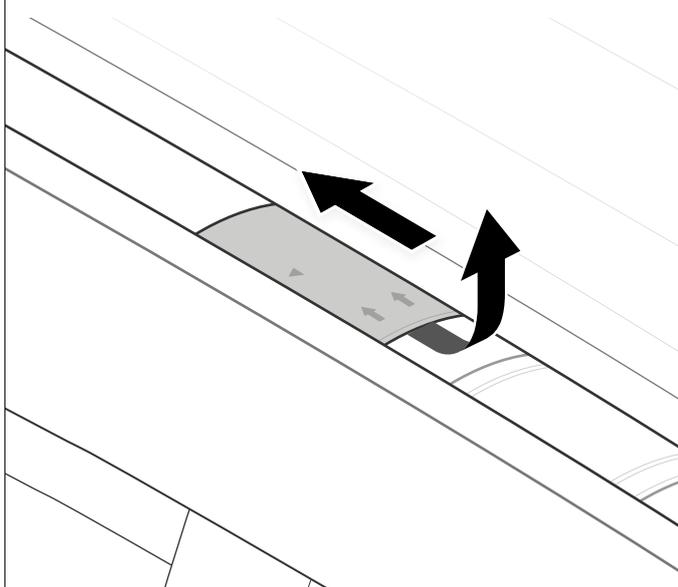


Flush Rail Removal Complete. Skip to step 10 .

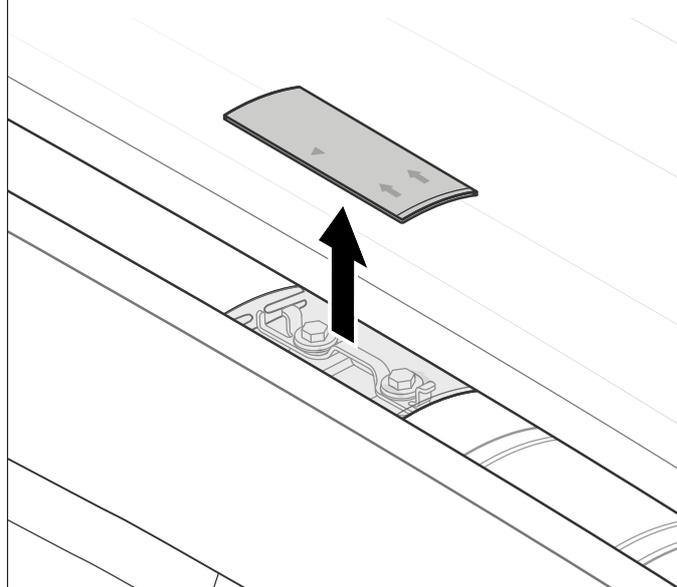
8 Remove mounting point covers (three per side).



8a Lift end while pushing in the direction of the arrow.



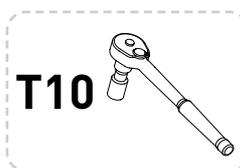
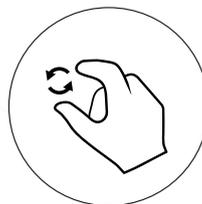
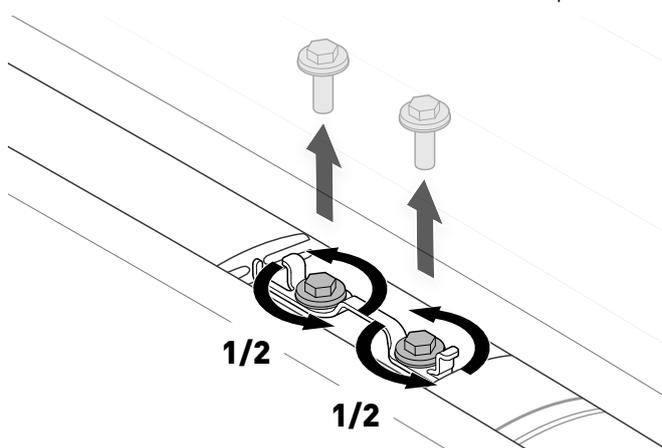
8b **NOTE:** Store covers in a safe place.



9a Break both bolts loose, incrementally turning each a half turn at a time, until they are both loose enough to remove by hand.

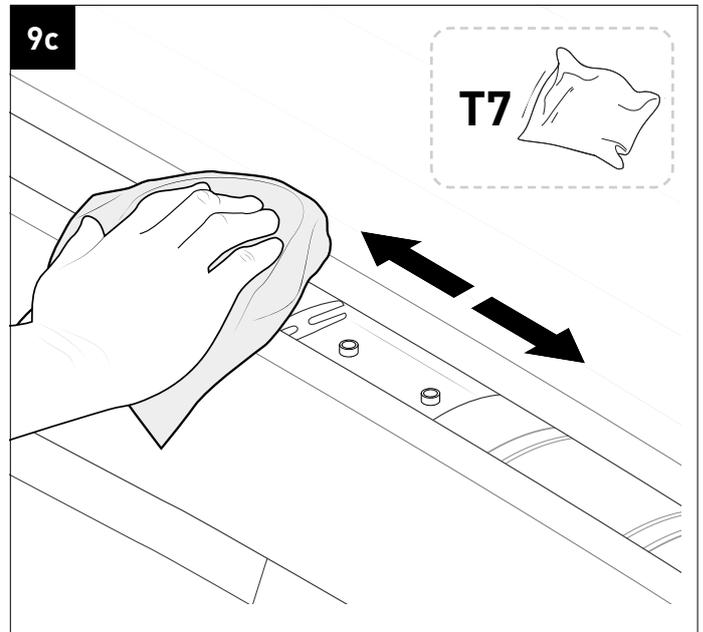
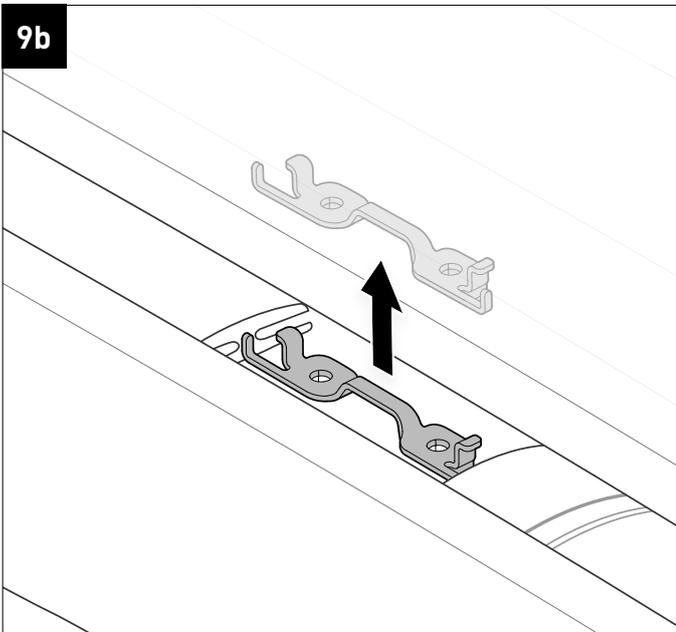
Remove factory bolts and hooks from selected mounting points.

NOTE: Store hooks and hardware in a safe place.



Ensure both bolts are loose before removing either bolt completely.

Failure to do so may lead to the internal threaded roof plate being dislodged.

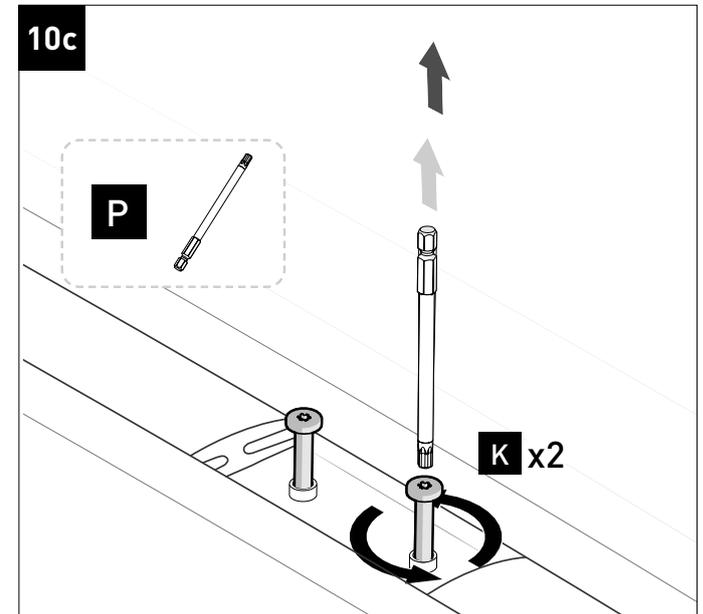
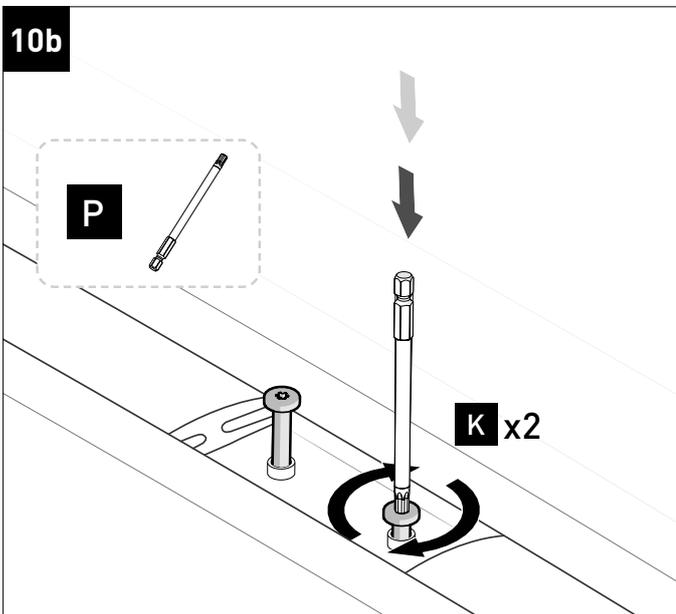


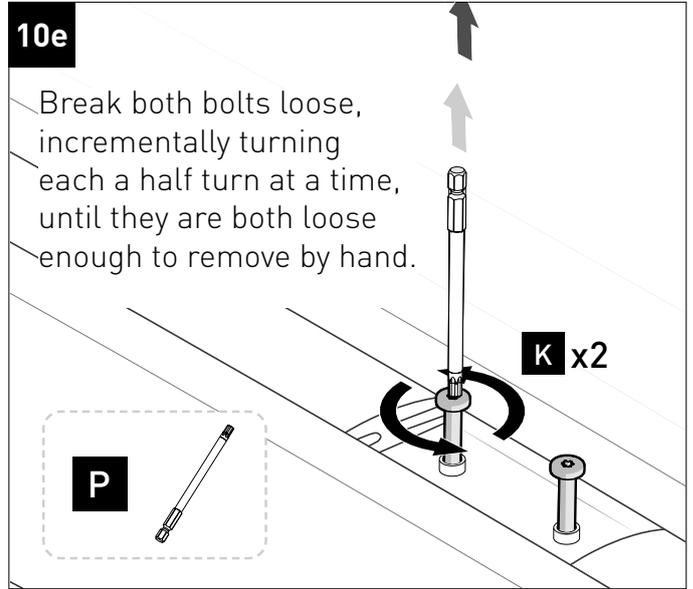
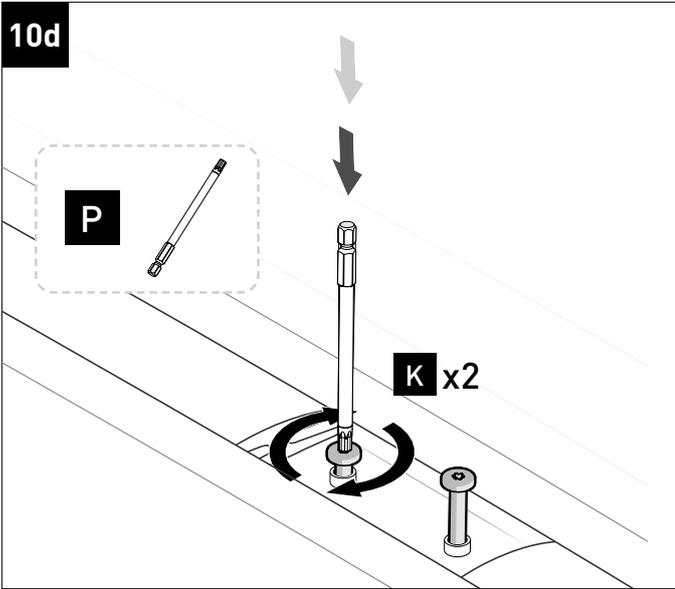
Bare Roof Removal Complete.

10a Use tapping screws **K** to remove any threadlock buildup from the existing thread .

Operation should always be carried out with both screws engaged so that the internal roof plate is not dislodged.

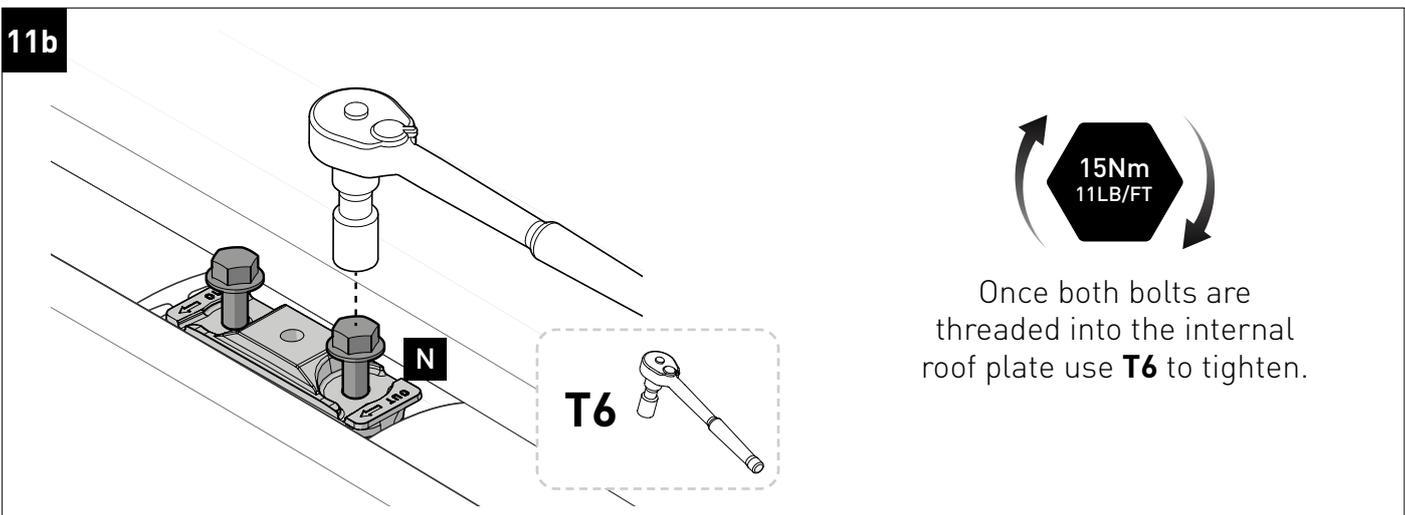
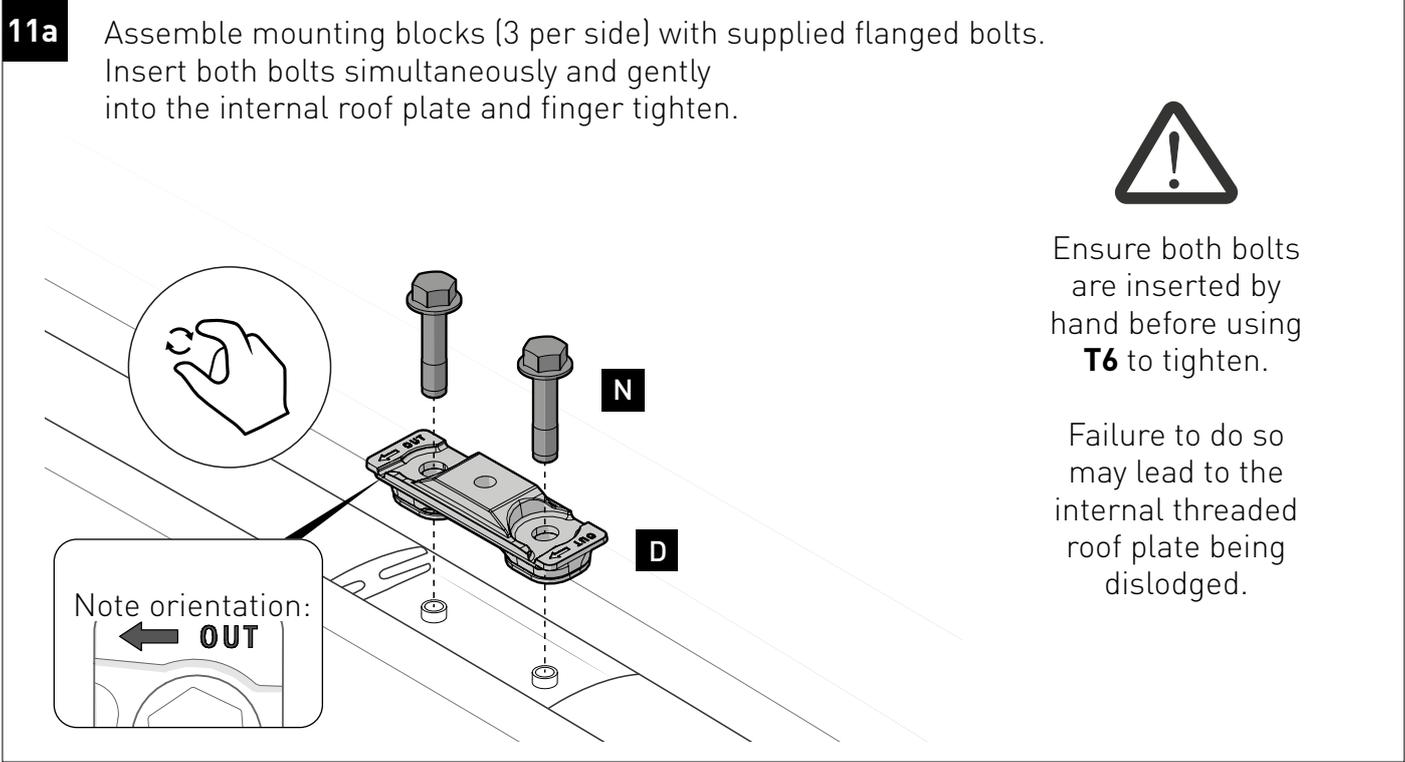
Failure to do so may lead to the internal threaded roof plate being dislodged.



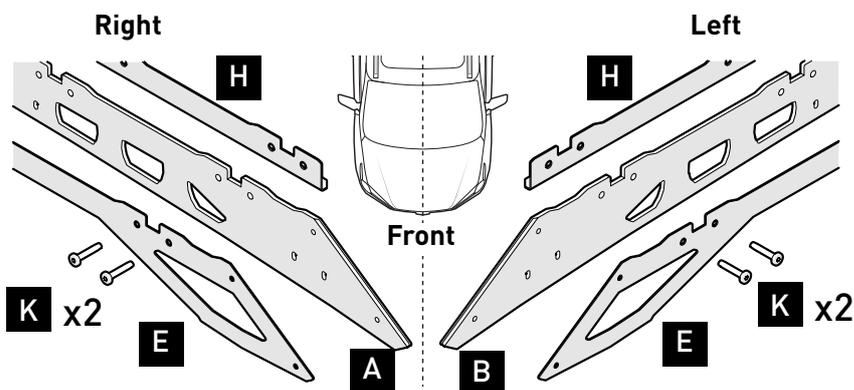
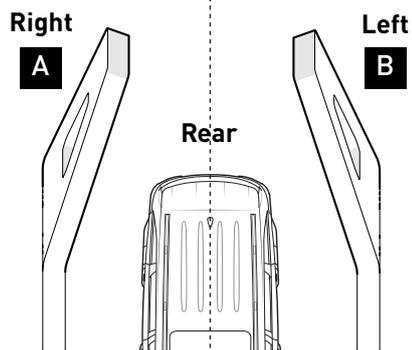


Repeat steps **10a** to **10e** for all 6 mounting points.

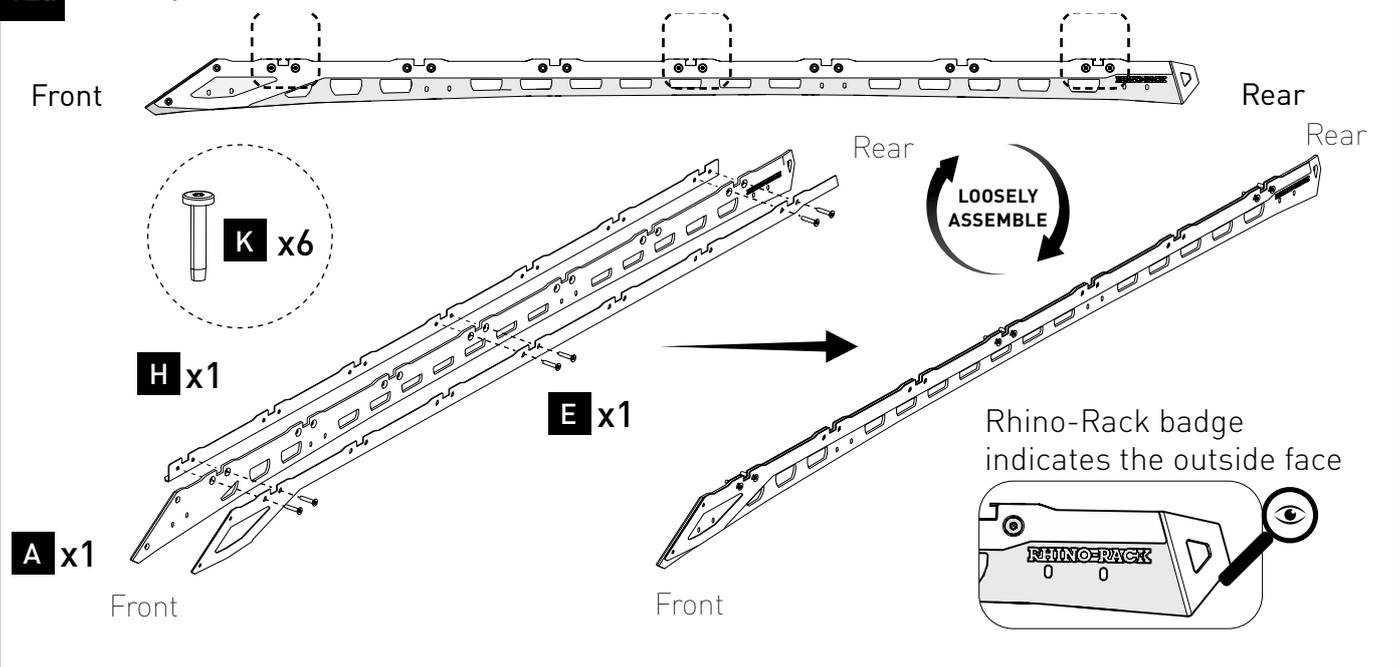
P2



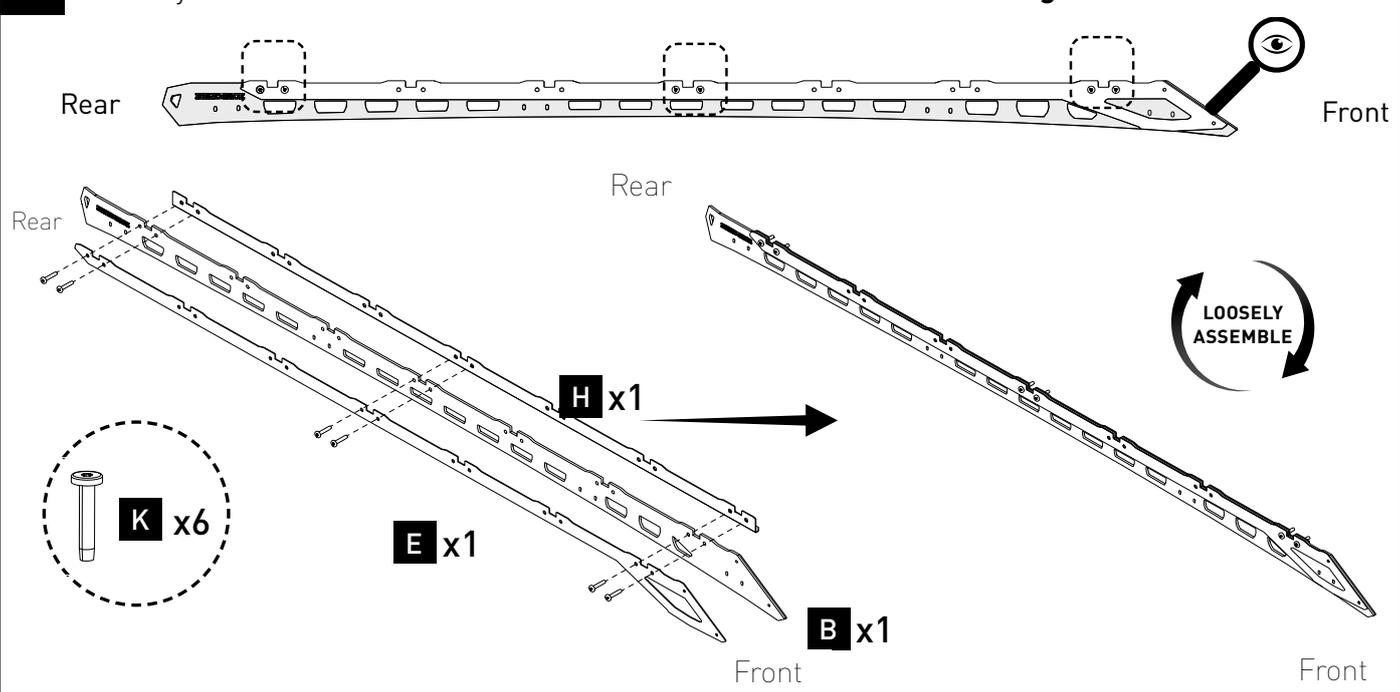
NOTE: The rear ends angle toward the center of the vehicle, indicating the left and right blades.



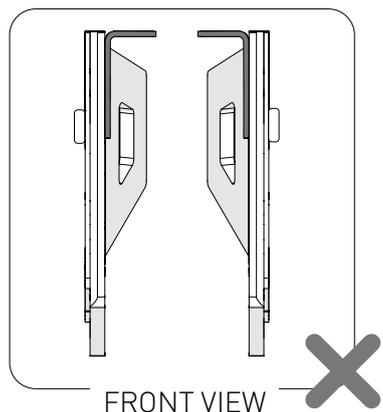
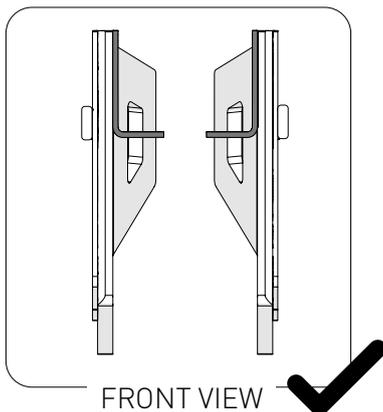
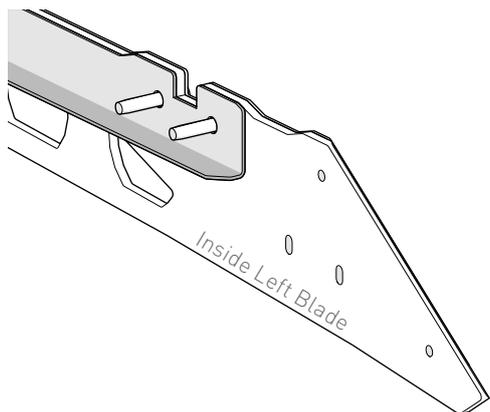
12a Loosely assemble **2x bolts** at each of the **3 indicated locations** on **left side blade**.



12b Loosely assemble **2x bolts** at each of the **3 indicated locations** on **right side blade**.



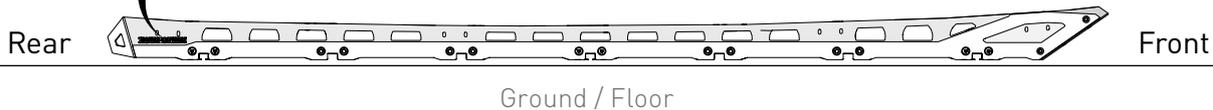
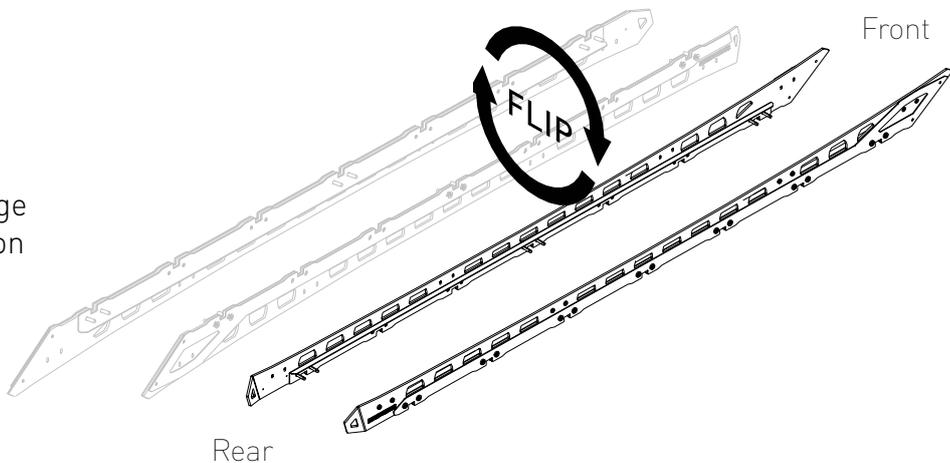
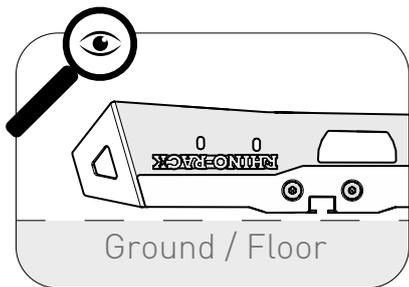
12c Ensure **H** positioned on the inside of the blade.



12d Flip blade assemblies.

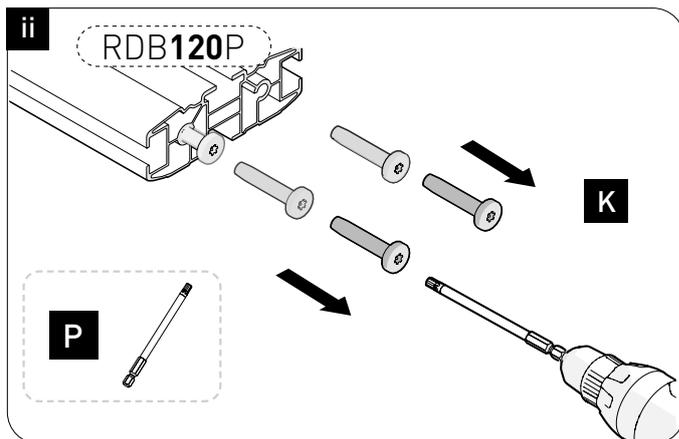
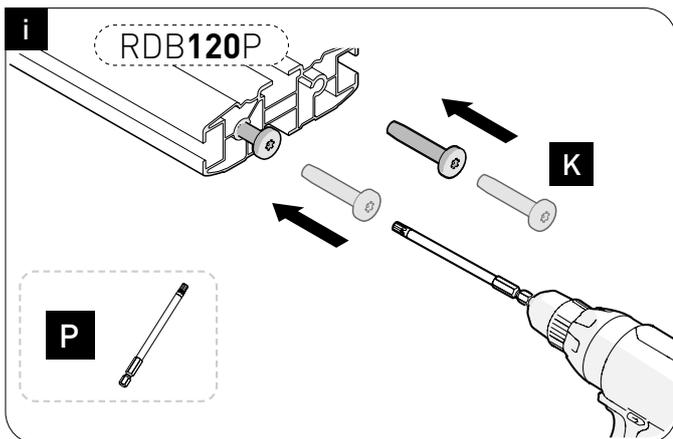
NOTE

Upside-down Rhino-Rack badge indicates the correct orientation

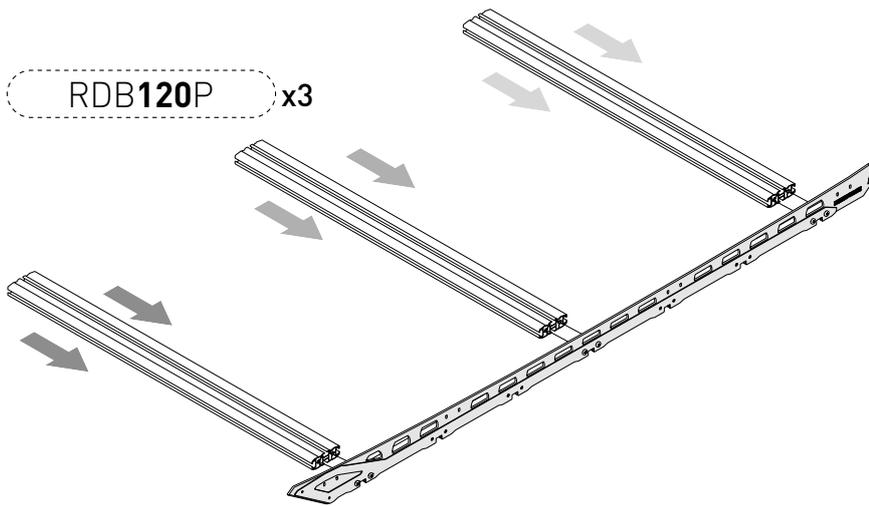


NOTE For easier handling, use **K** screws pre-tap **3x RDB120P** bars at both ends.

 Brace or clamp the bar during this step.

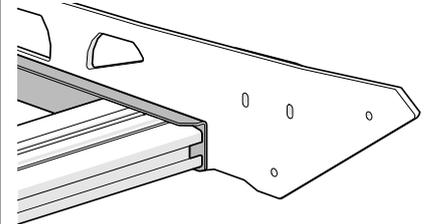


13a Screw **3x** **RDB120P** bars to right hand blade assembly.

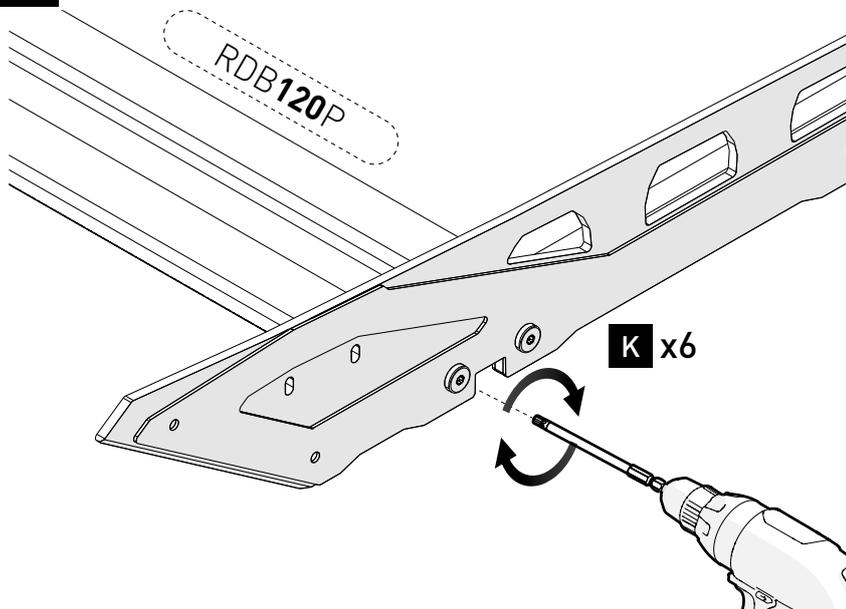


NOTE

Ensure **RDB120P** Bars sit under **H**



13b



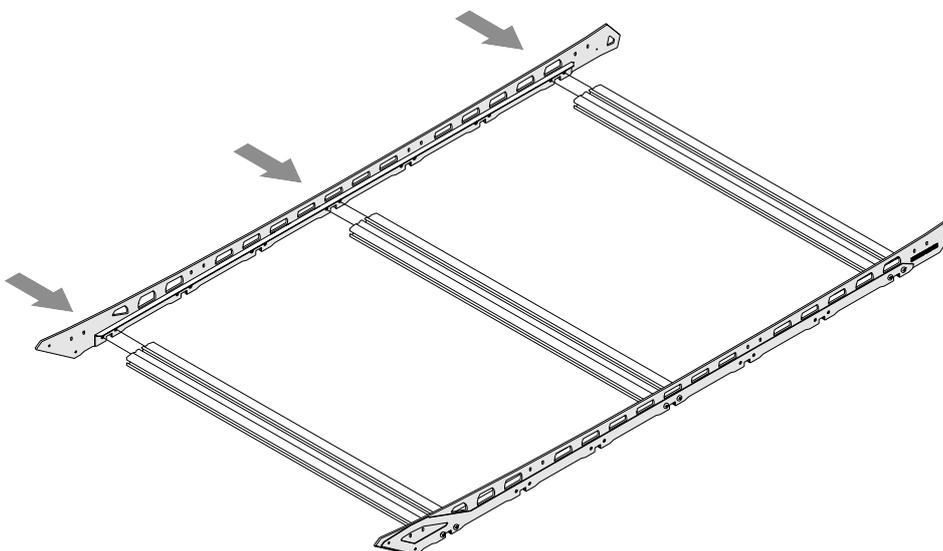
P



Tighten **K** to



13c Repeat steps **13a** & **13b** with left hand blade assembly.

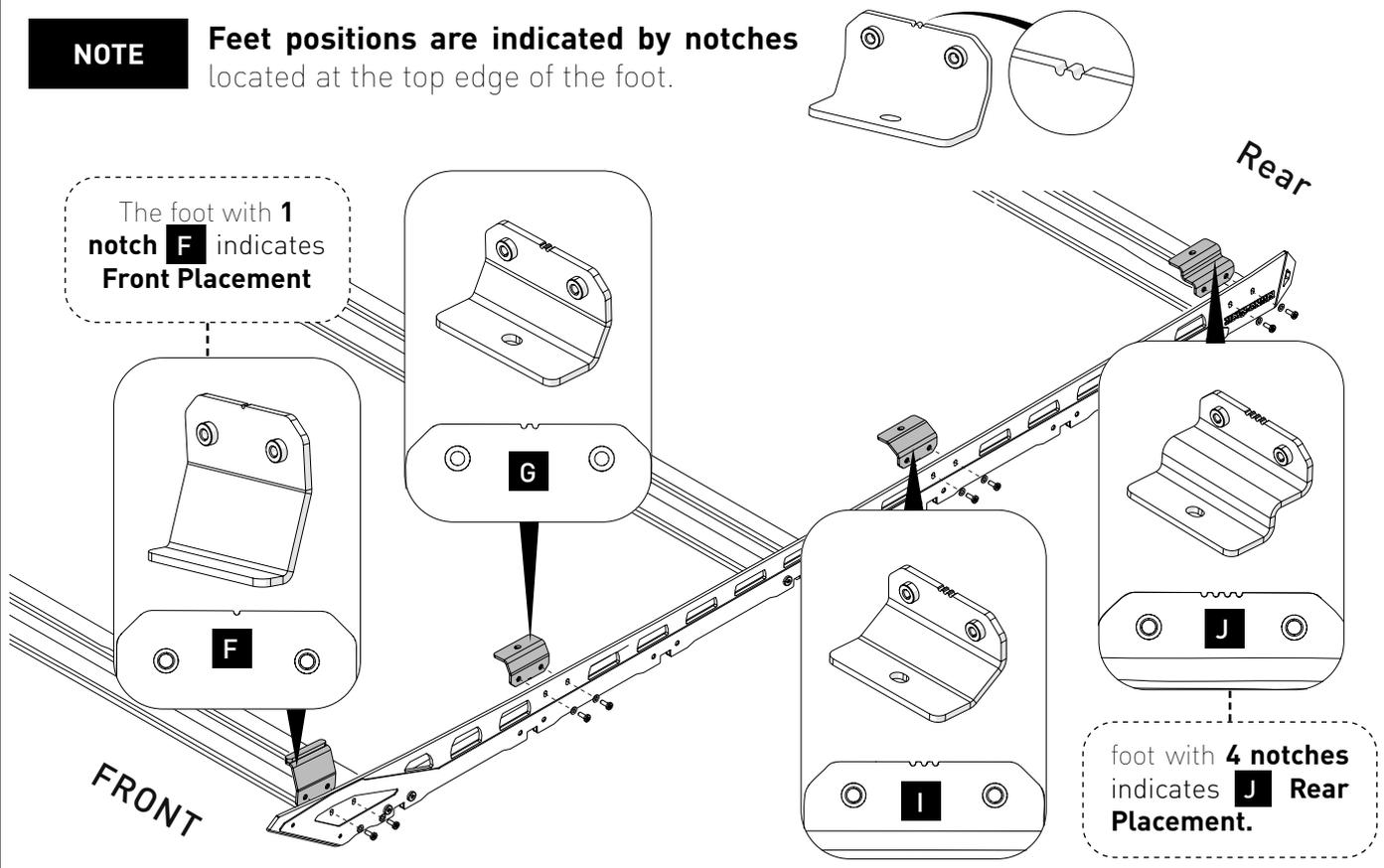


Tighten **K** to

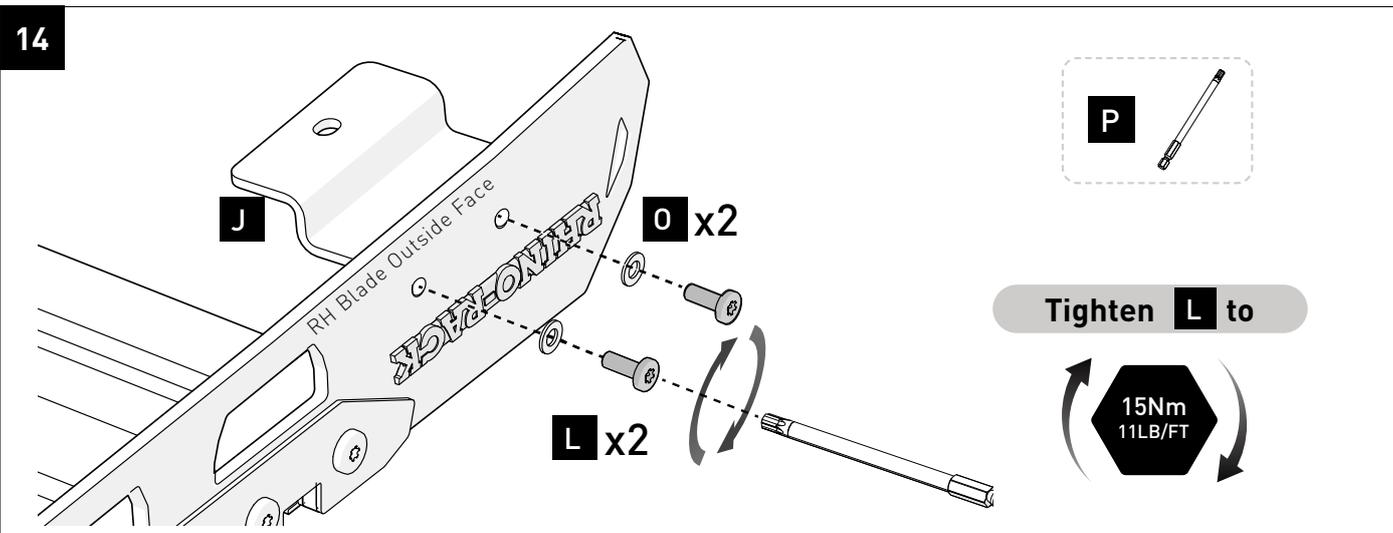


NOTE

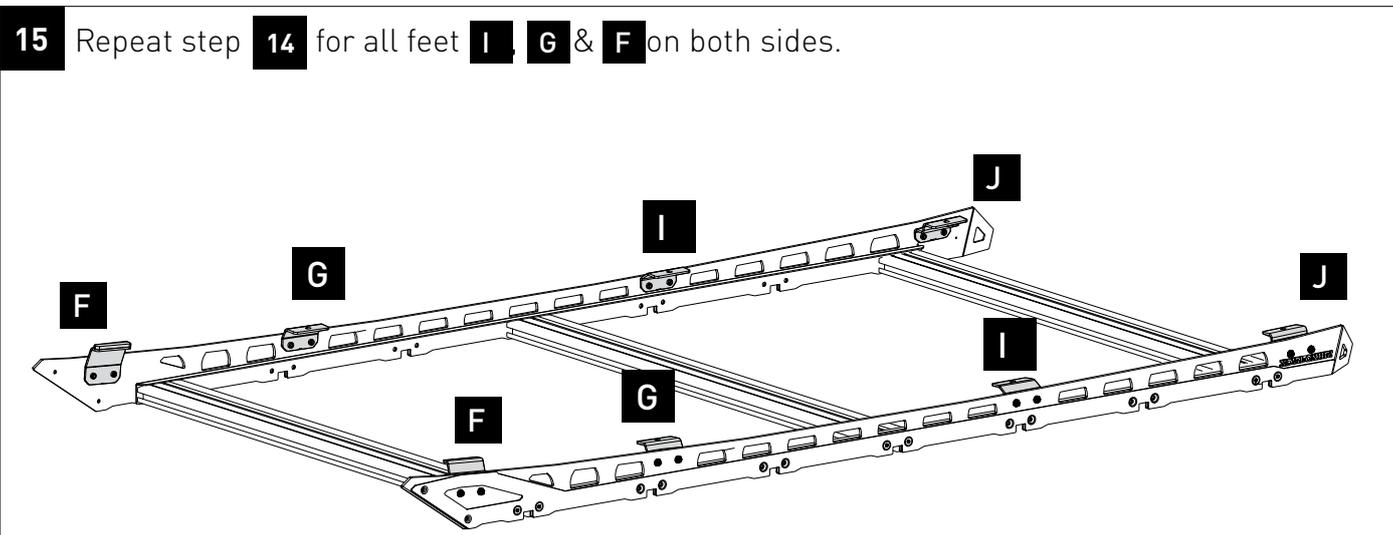
Feet positions are indicated by notches located at the top edge of the foot.



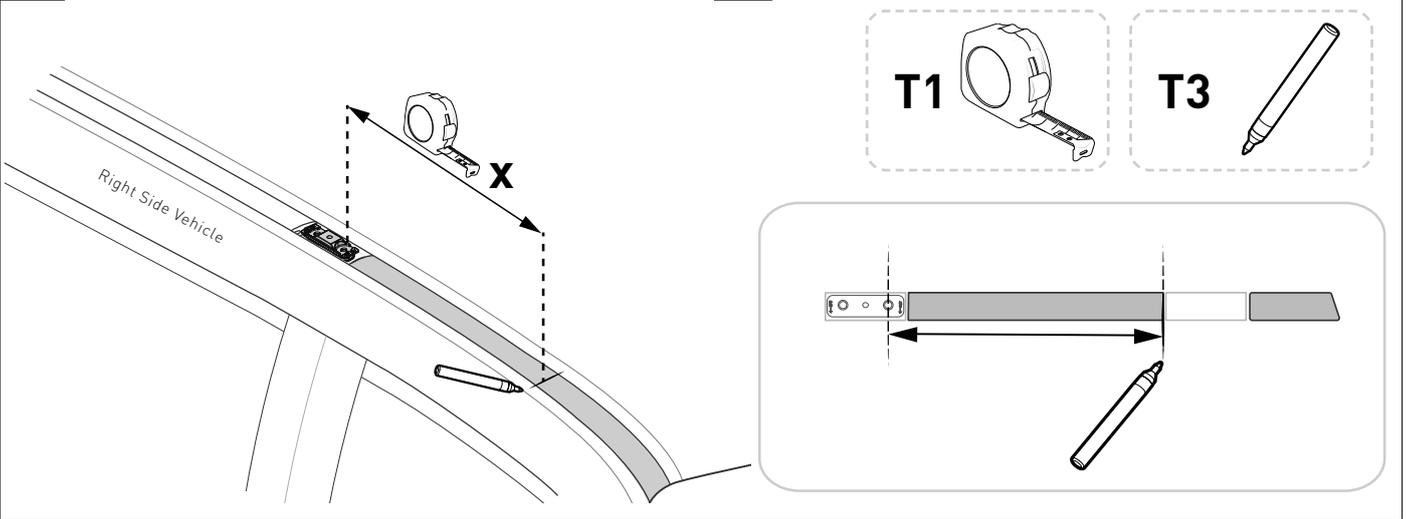
14



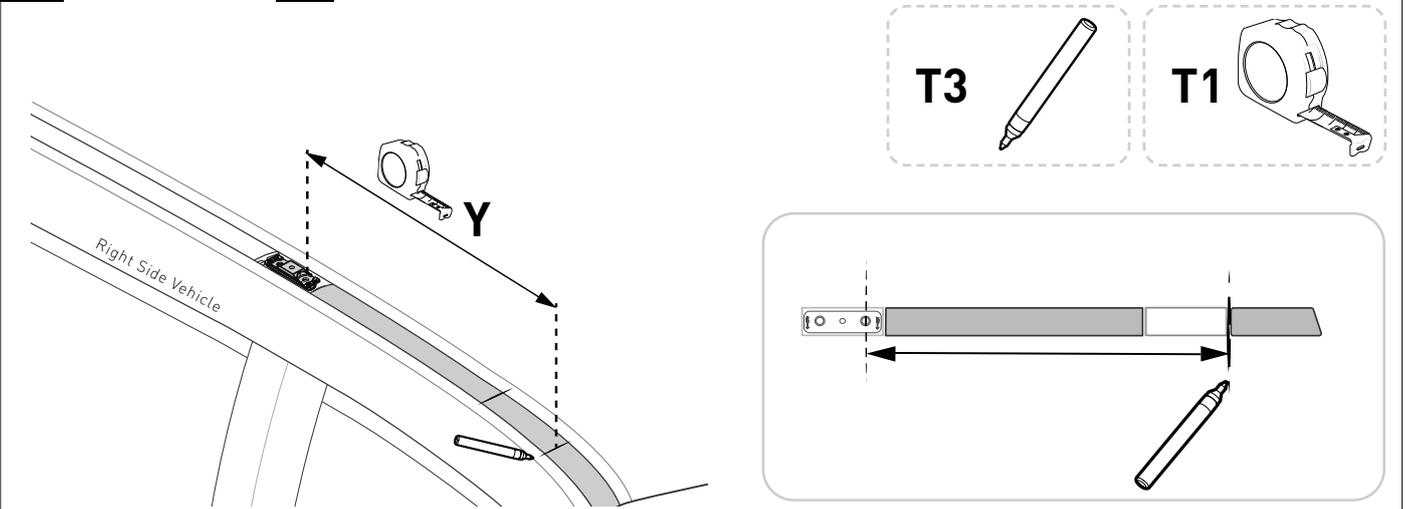
15 Repeat step **14** for all feet **I**, **G** & **F** on both sides.



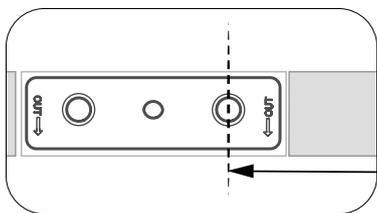
16a Mark righthand side ditch trim. Refer to step **16c** for **X** value.



16b Refer to step **16c** for **y** value.

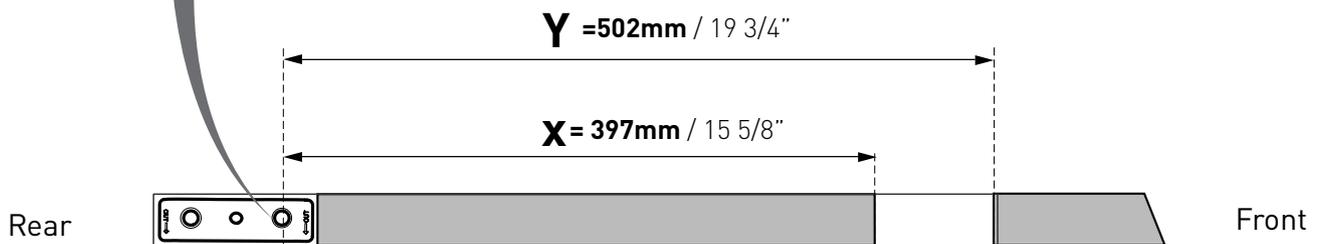


16c

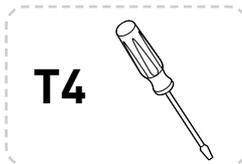
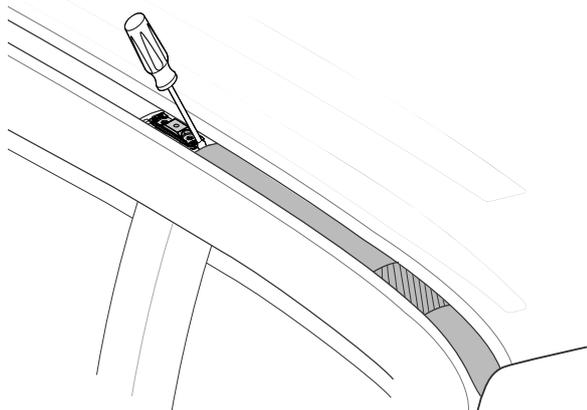


NOTE

Measure from the centre of the front hole in the cast block.



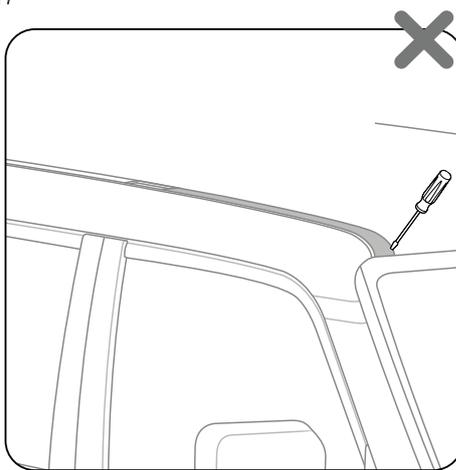
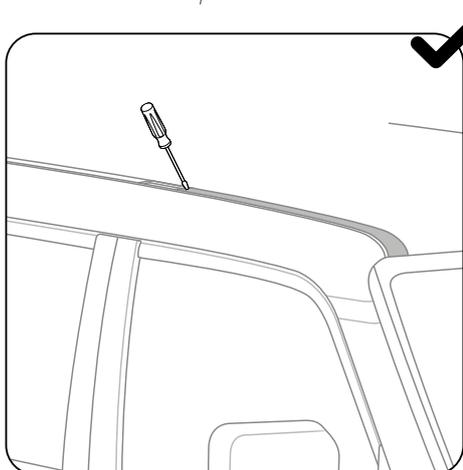
16d Partially remove the RH side rubber ditch trim.



or



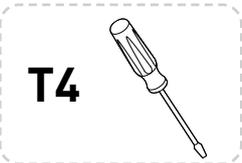
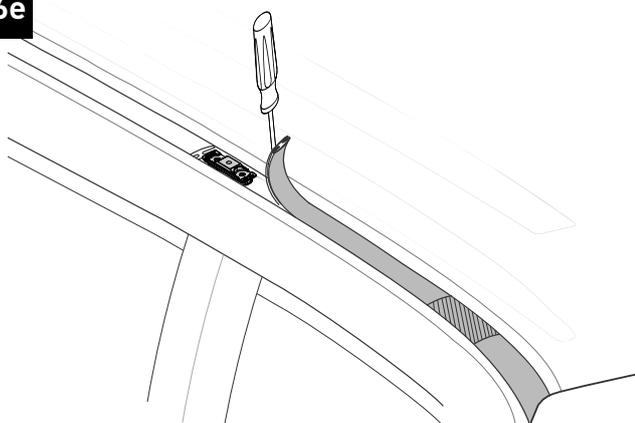
Do not lever against the painted roof.



NOTE

Avoid completely removing the rubber trim to avoid damaging seal at the end of the front windscreen.

16e

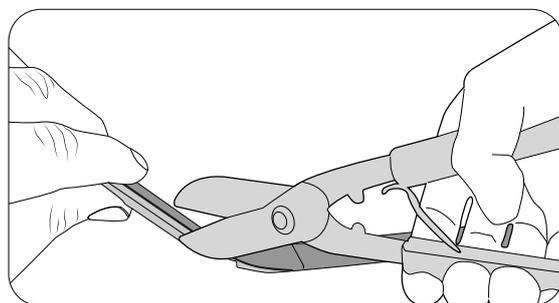
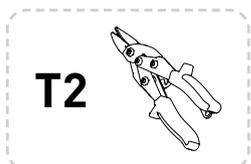
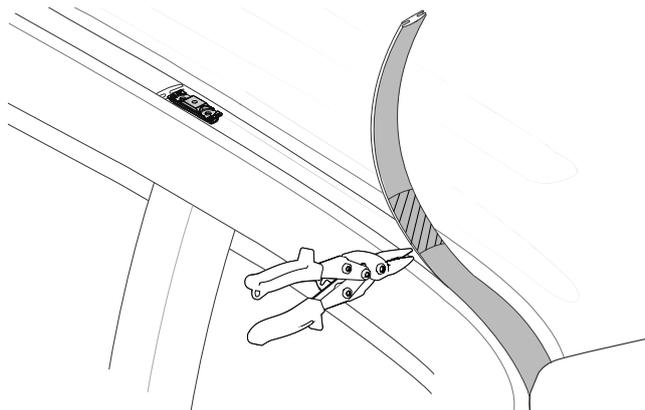


or

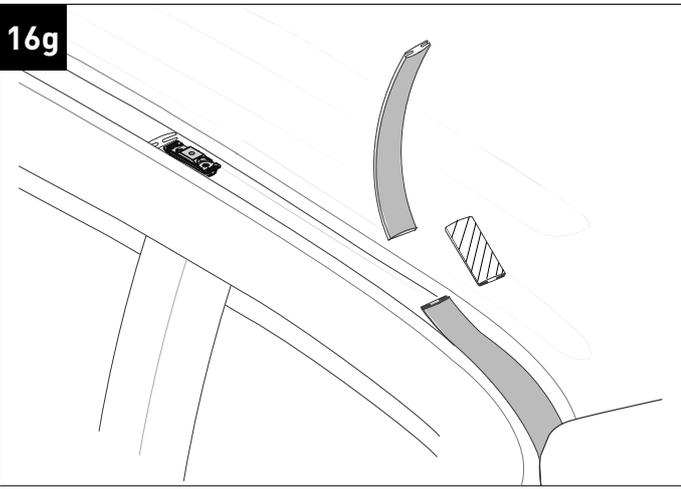


Do not lever against the painted roof.

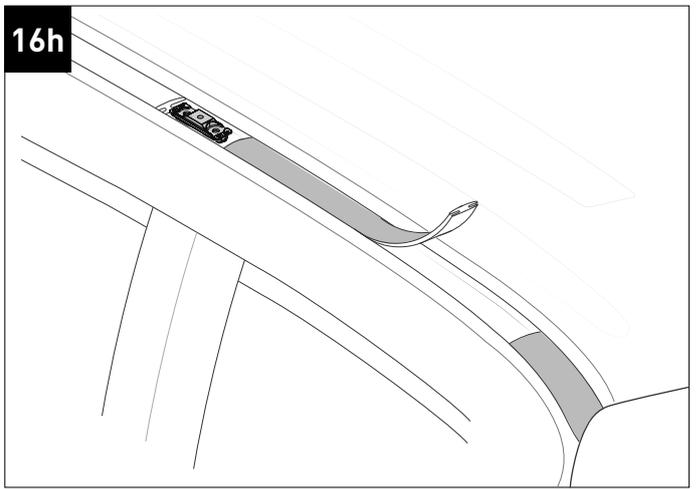
16f Partially remove the RH side rubber ditch trim.



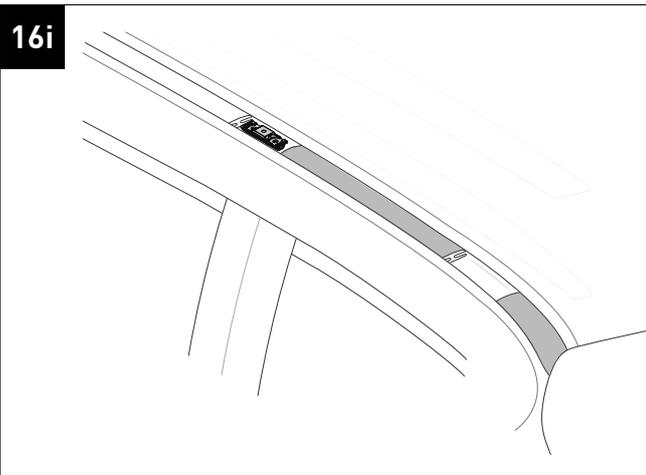
16g



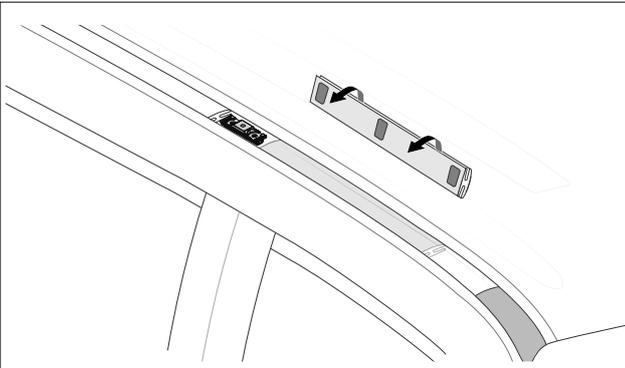
16h



16i

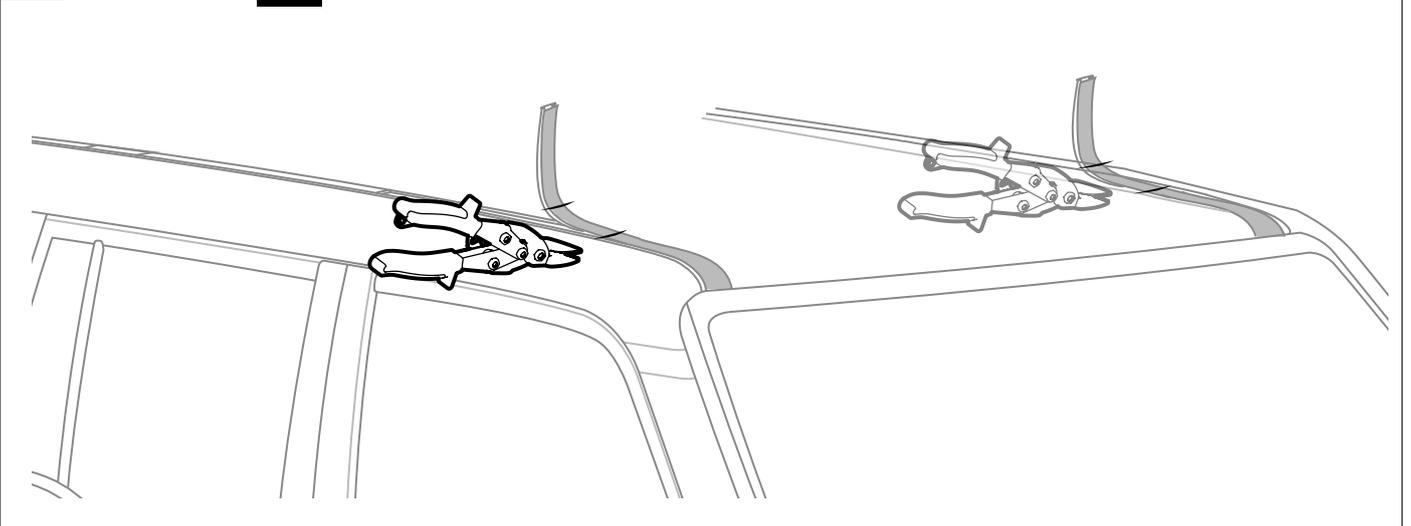


Ensure gutter trim is stuck back down correctly. Double sided tape may be required.

**NOTE**

If required to reattach the trim, use 3M tape or an equivalent adhesive.

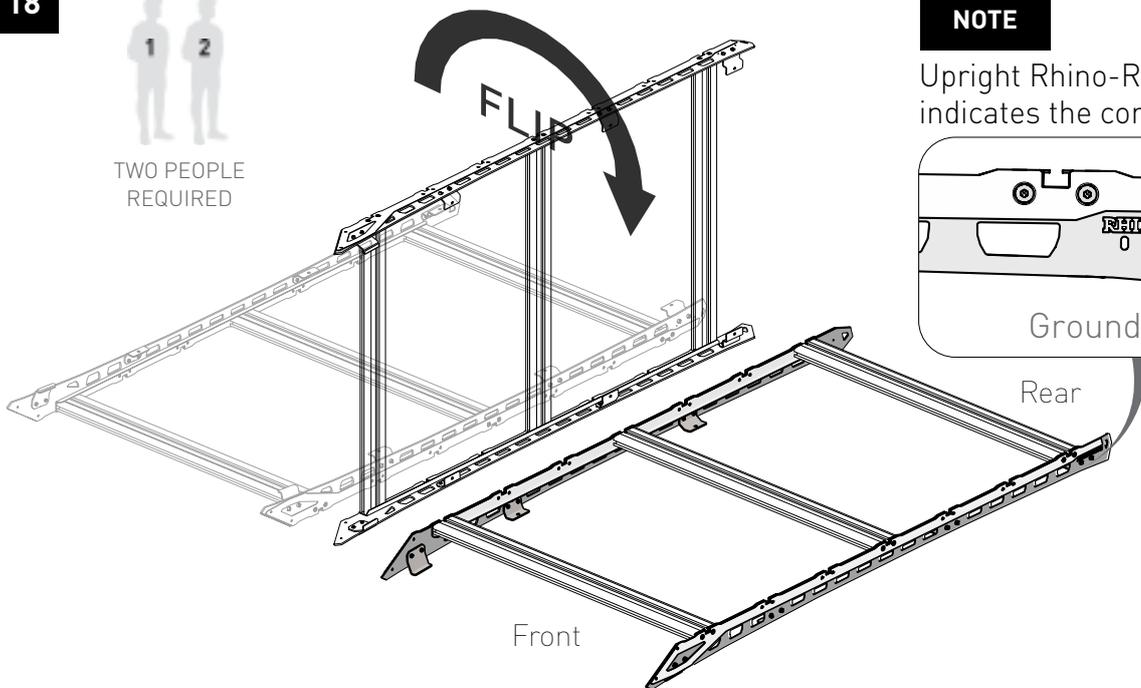
17 Repeat step **16** on the **left** Ditch Rubbers.



18

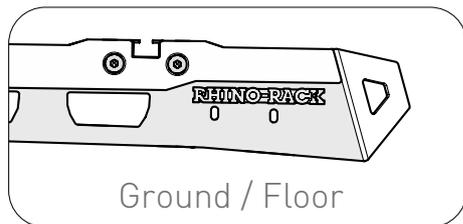


TWO PEOPLE
REQUIRED



NOTE

Upright Rhino-Rack badge indicates the correct orientation.

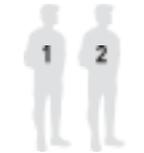
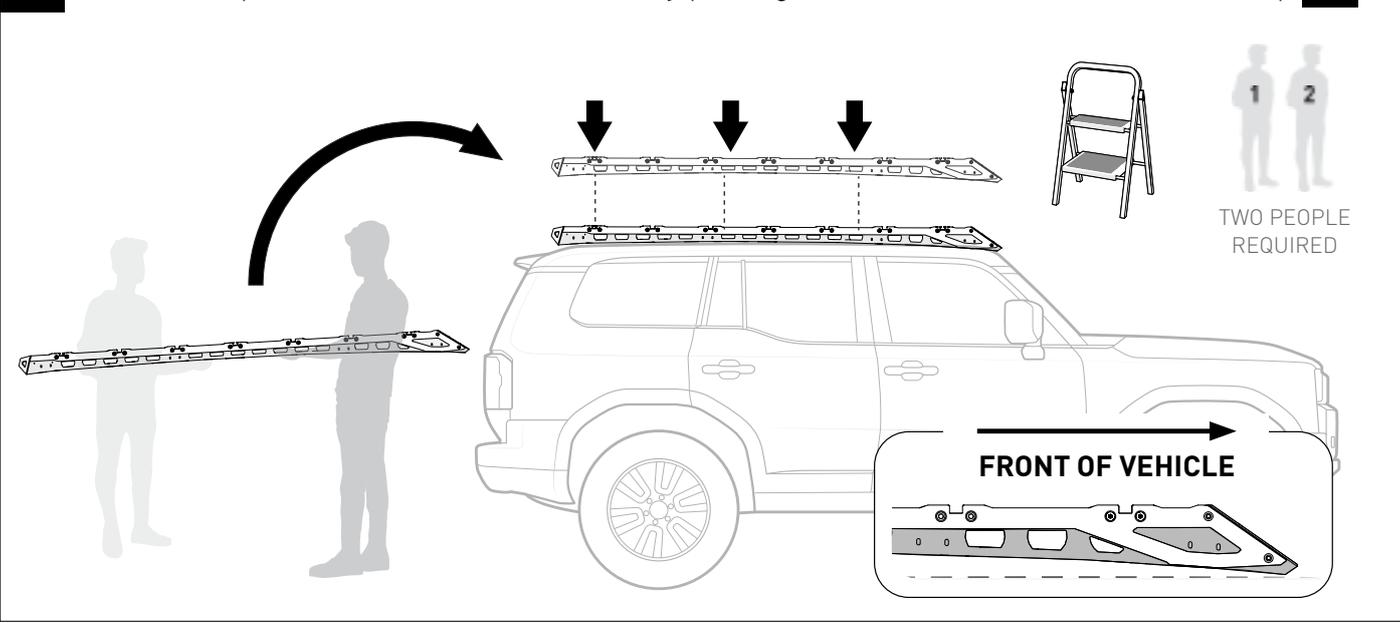


Ground / Floor

Rear

Front

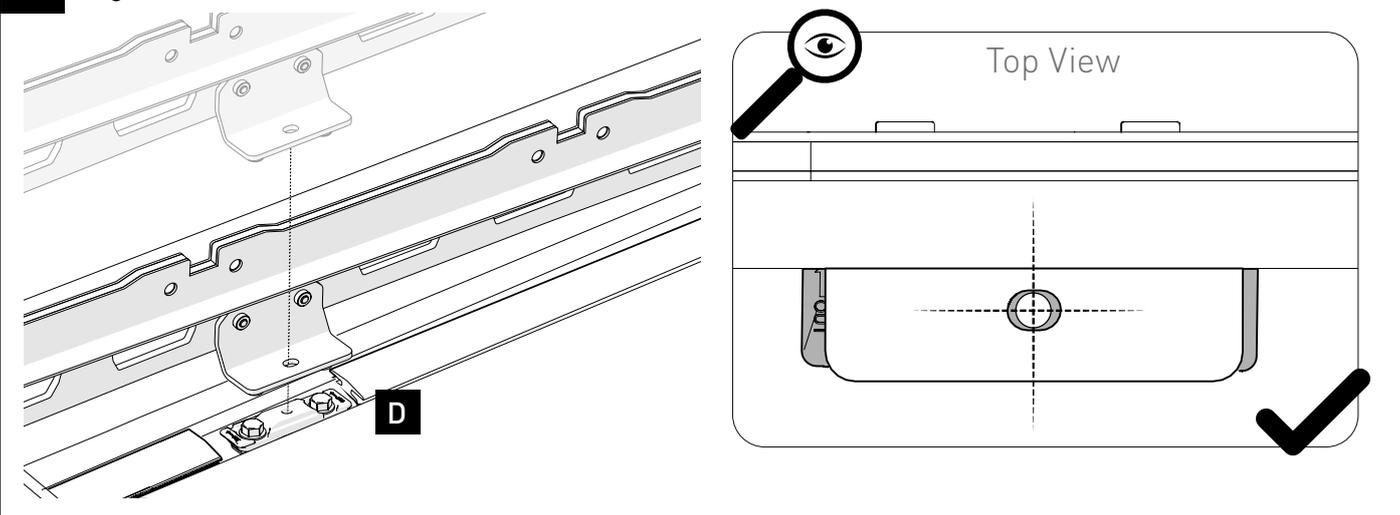
19a Lift Recon platform onto vehicle, Carefully placing feet on cast blocks installed in step 11.



TWO PEOPLE
REQUIRED

FRONT OF VEHICLE

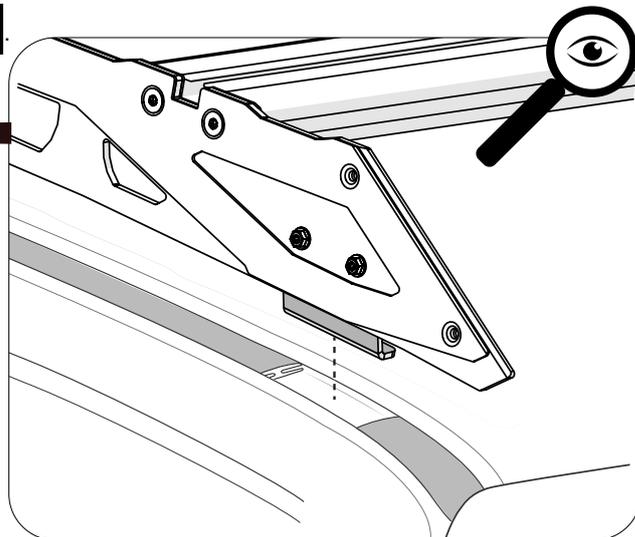
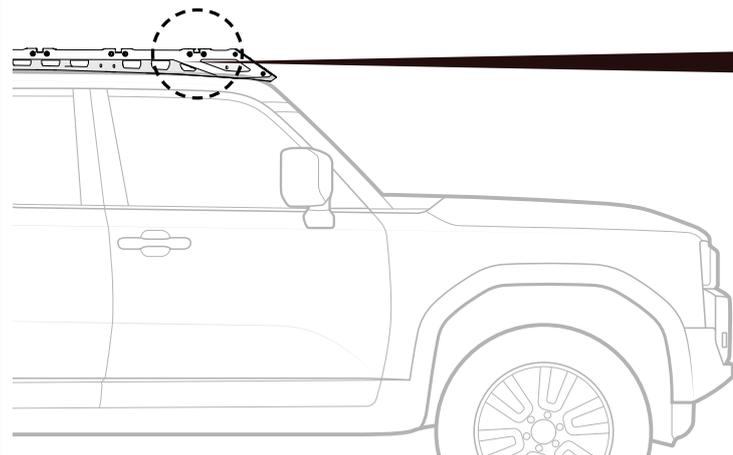
19b Align holes in feet to holes in cast blocks.



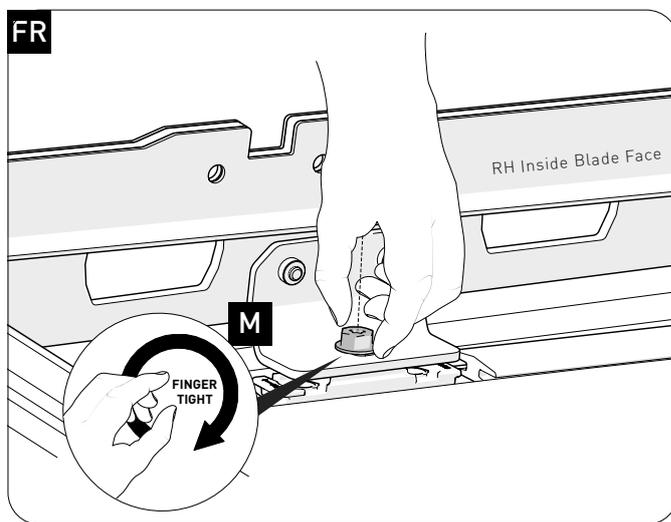
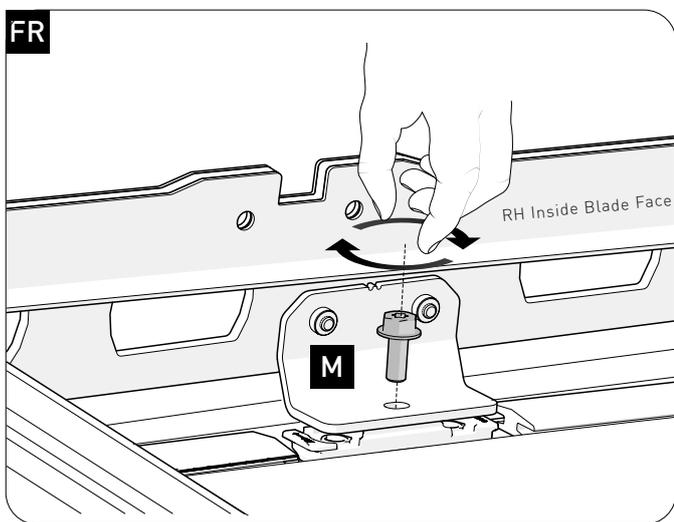
Top View

D

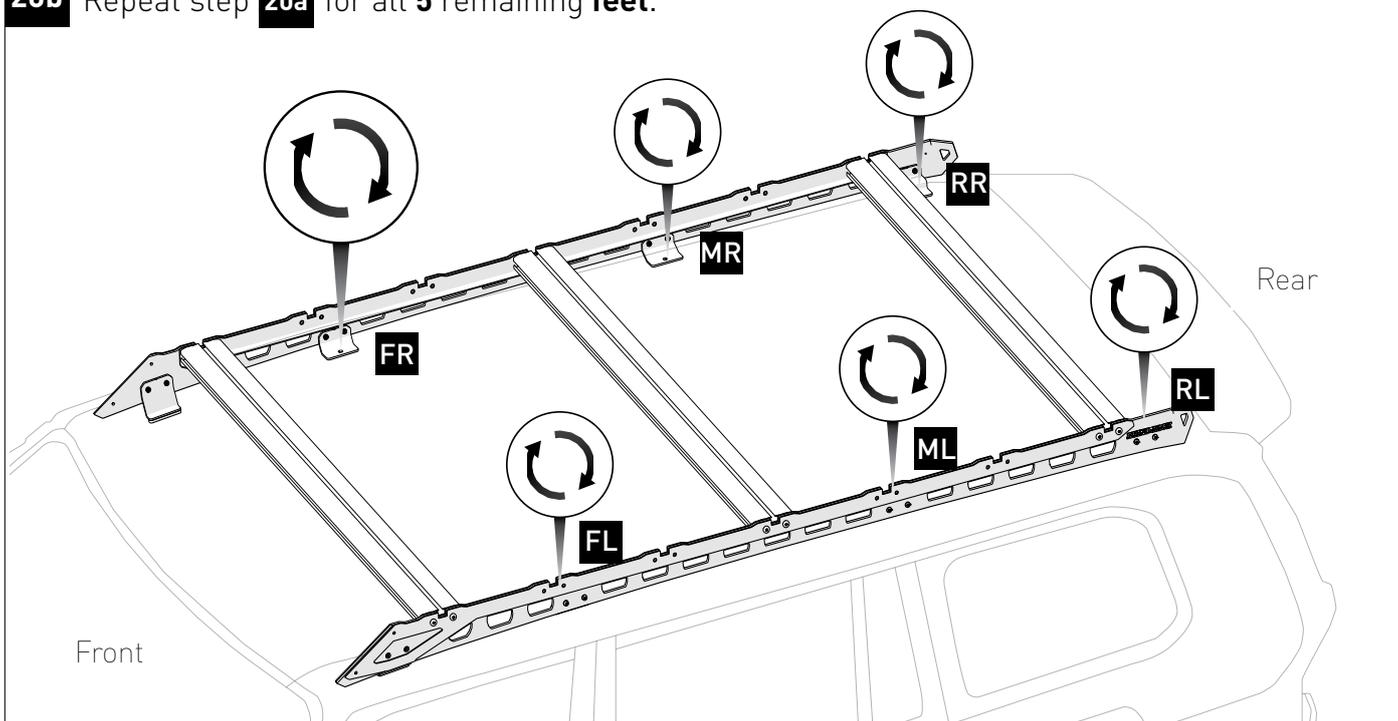
NOTE Front foot sits in gutter as seen in step 16.



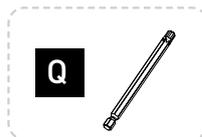
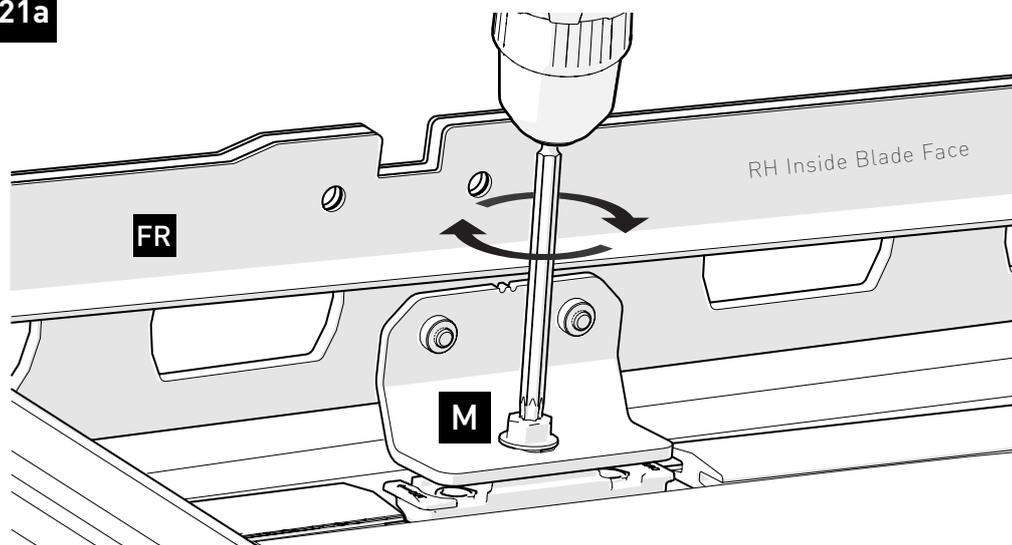
20a Finger tighten foot to the cast block installed in step 11.



20b Repeat step 20a for all 5 remaining feet.



21a

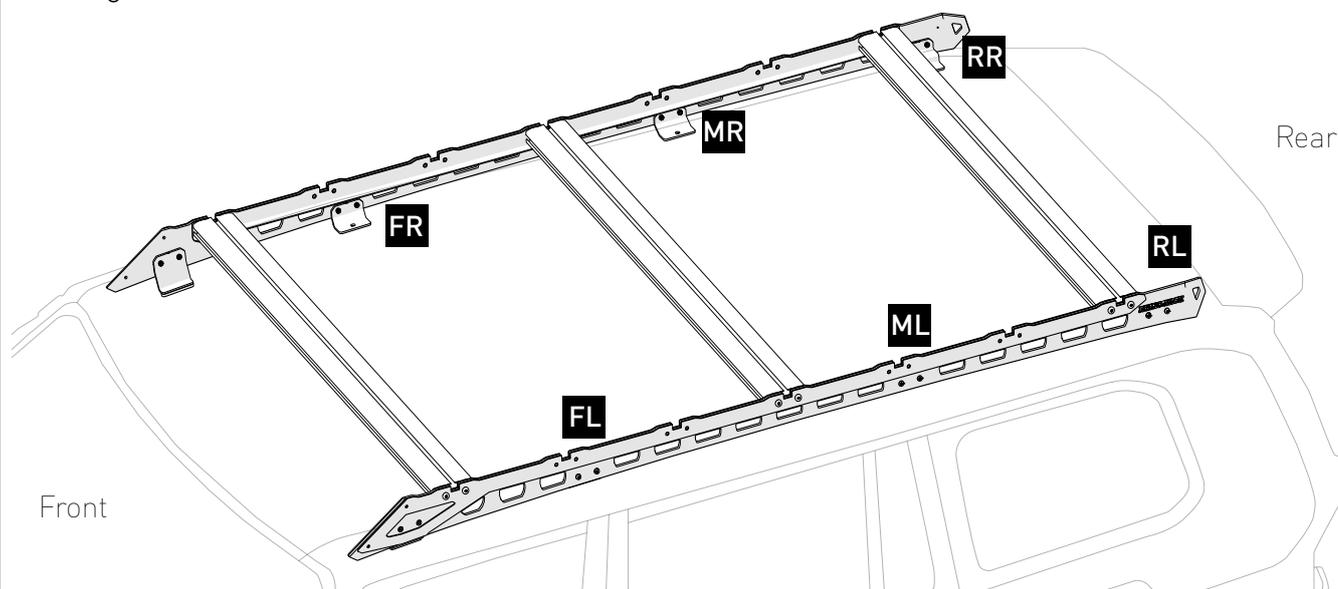


Tighten **M** to

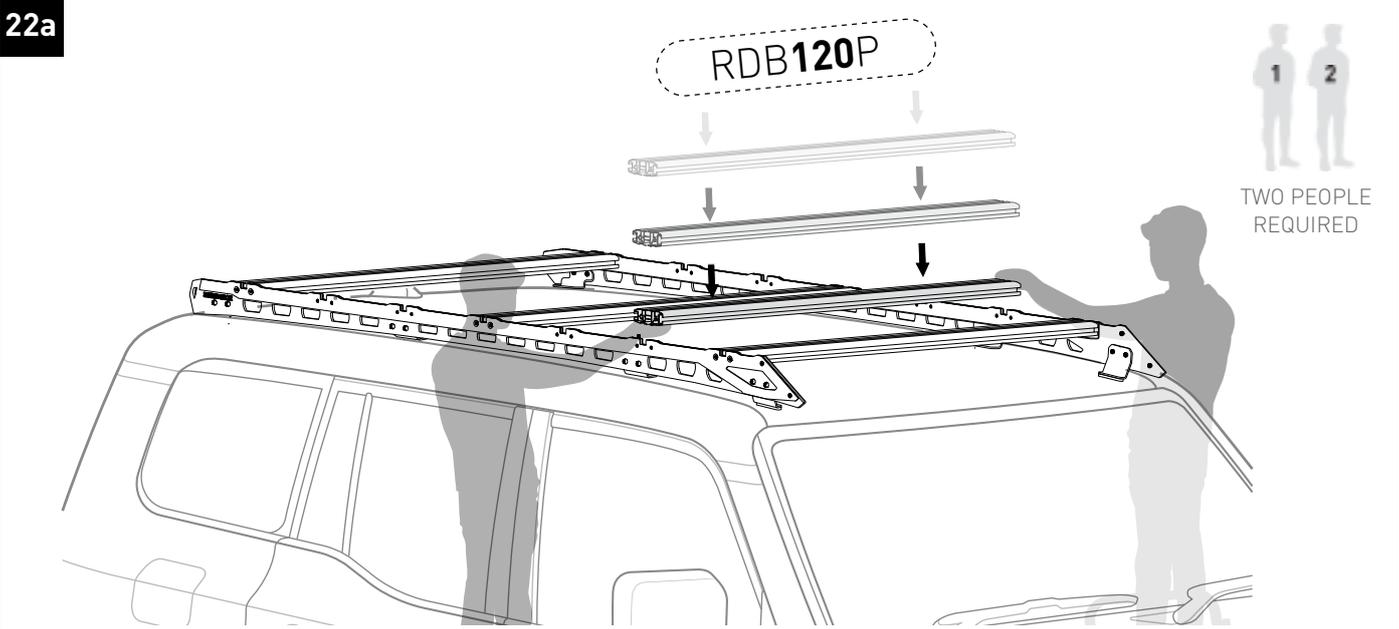


21b

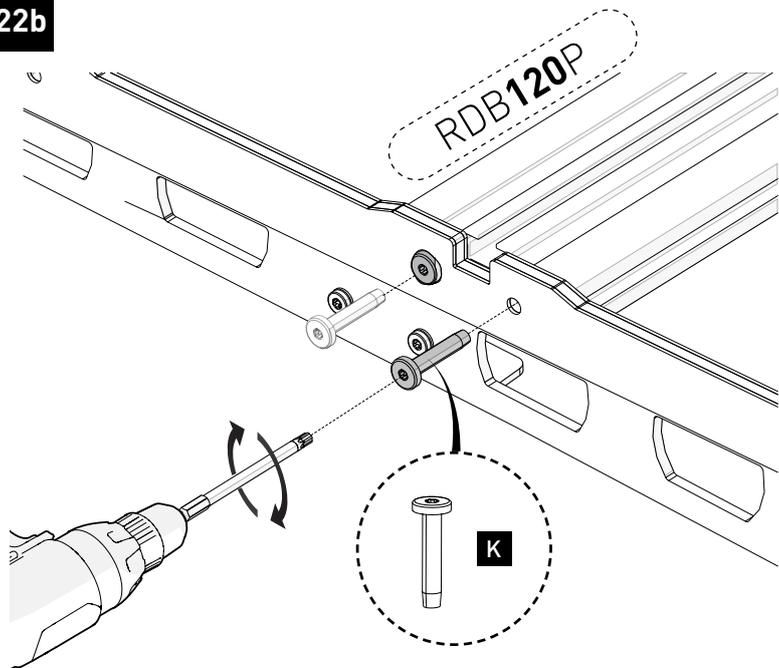
Repeat Step 21a for all remaining feet: Incrementally tighten the hardware for all six leg locations.



22a



22b



NOTE

Other screws may need be loosened to fit **RDB120P** bars in position.

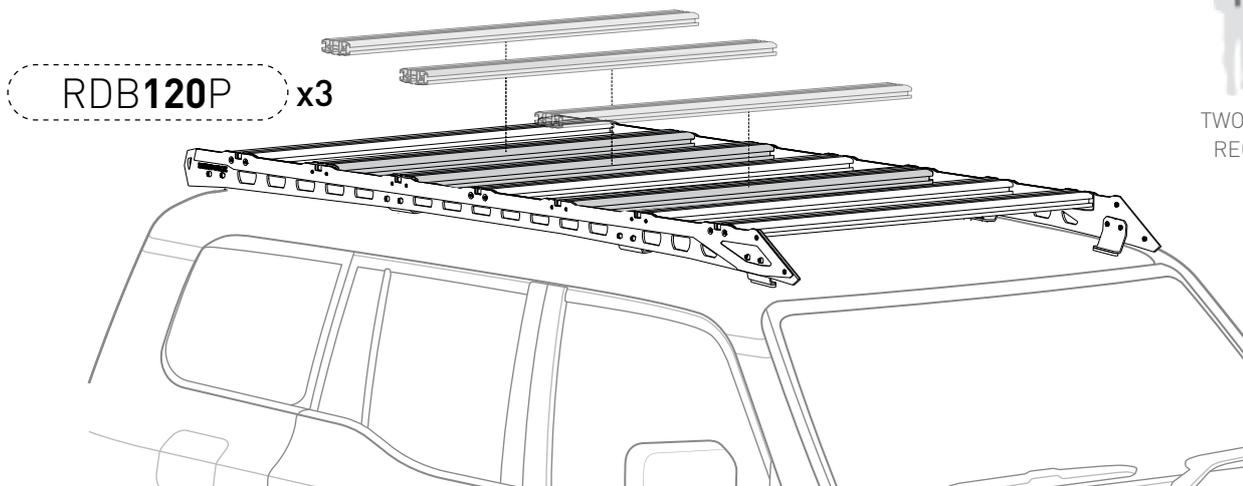
P



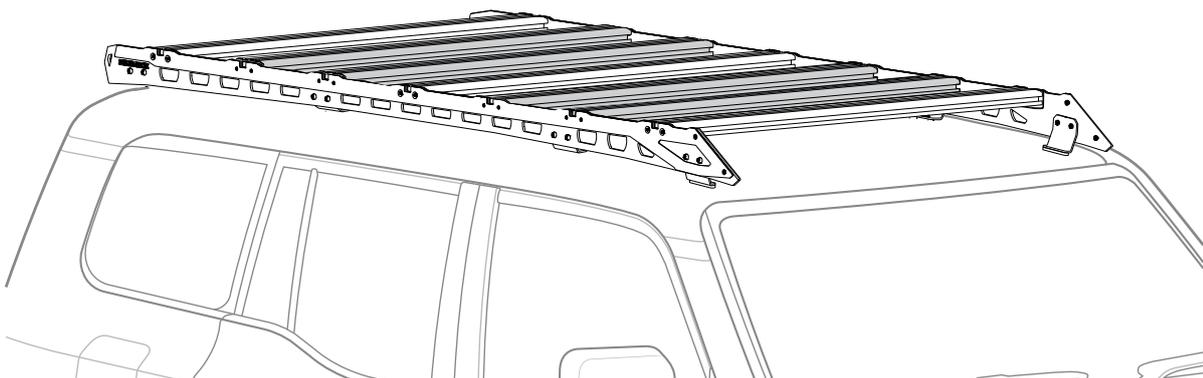
Tighten **K** to



22c Repeat steps 22a & 22b on both sides for all 3 remaining **RDB120P** Bars.



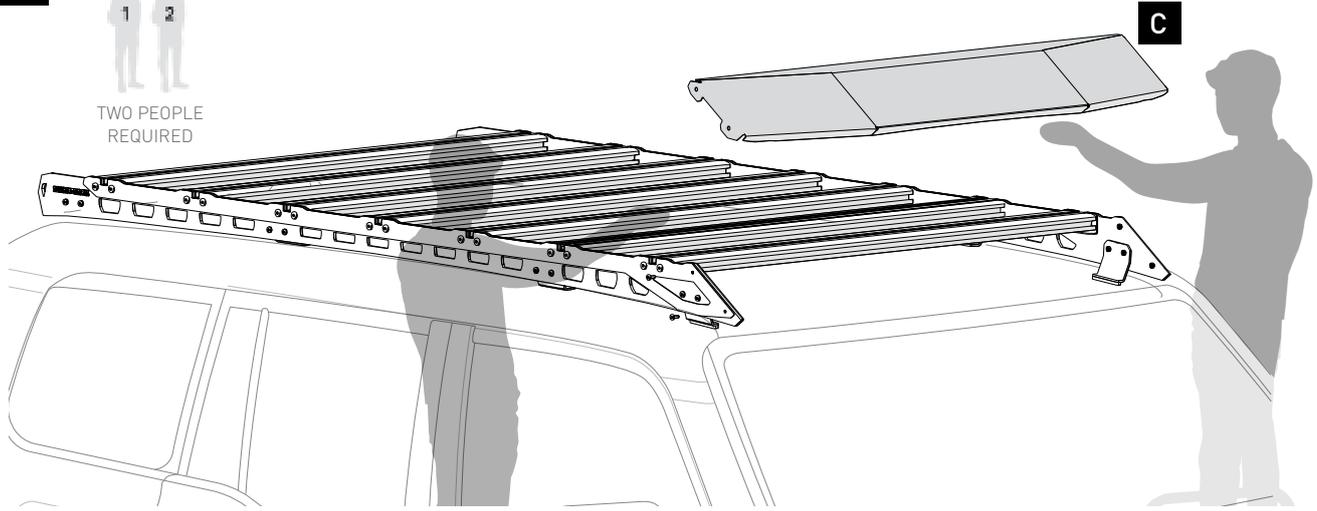
22c



23a

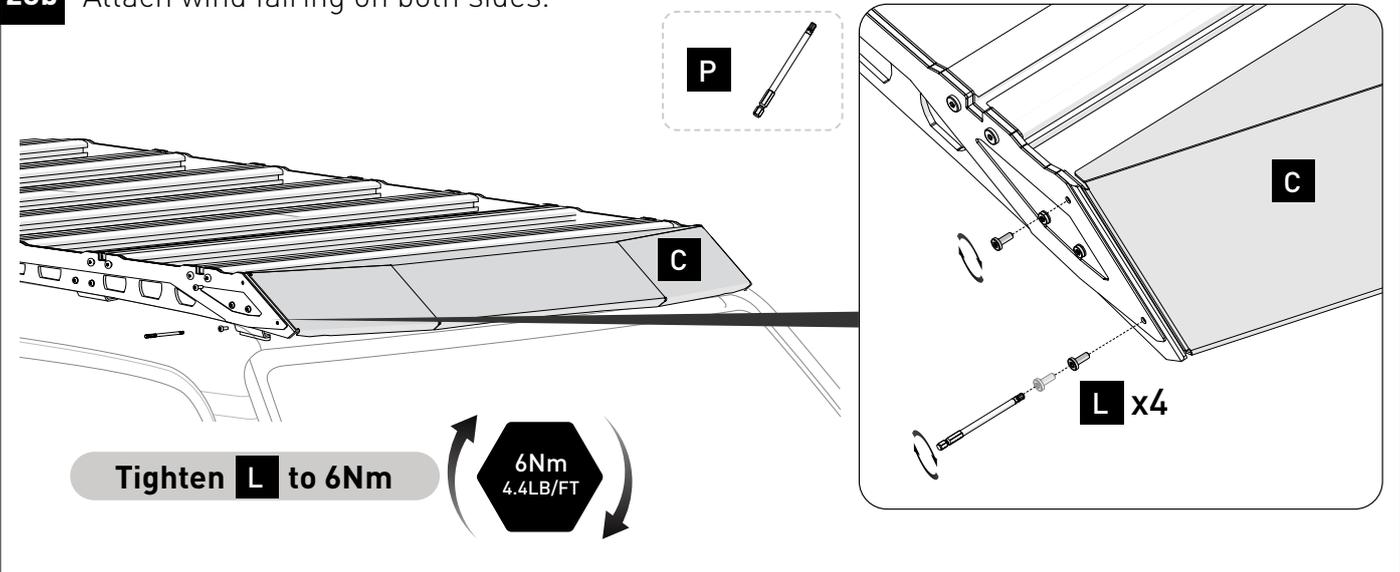


TWO PEOPLE
REQUIRED



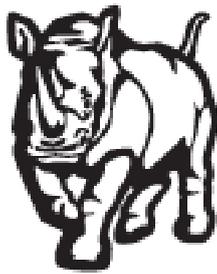
23b

Attach wind fairing on both sides.



Installation Complete.





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