



RHINO-RACK®

Reconn Platform

Toyota 4-Runner Gen 6

63103

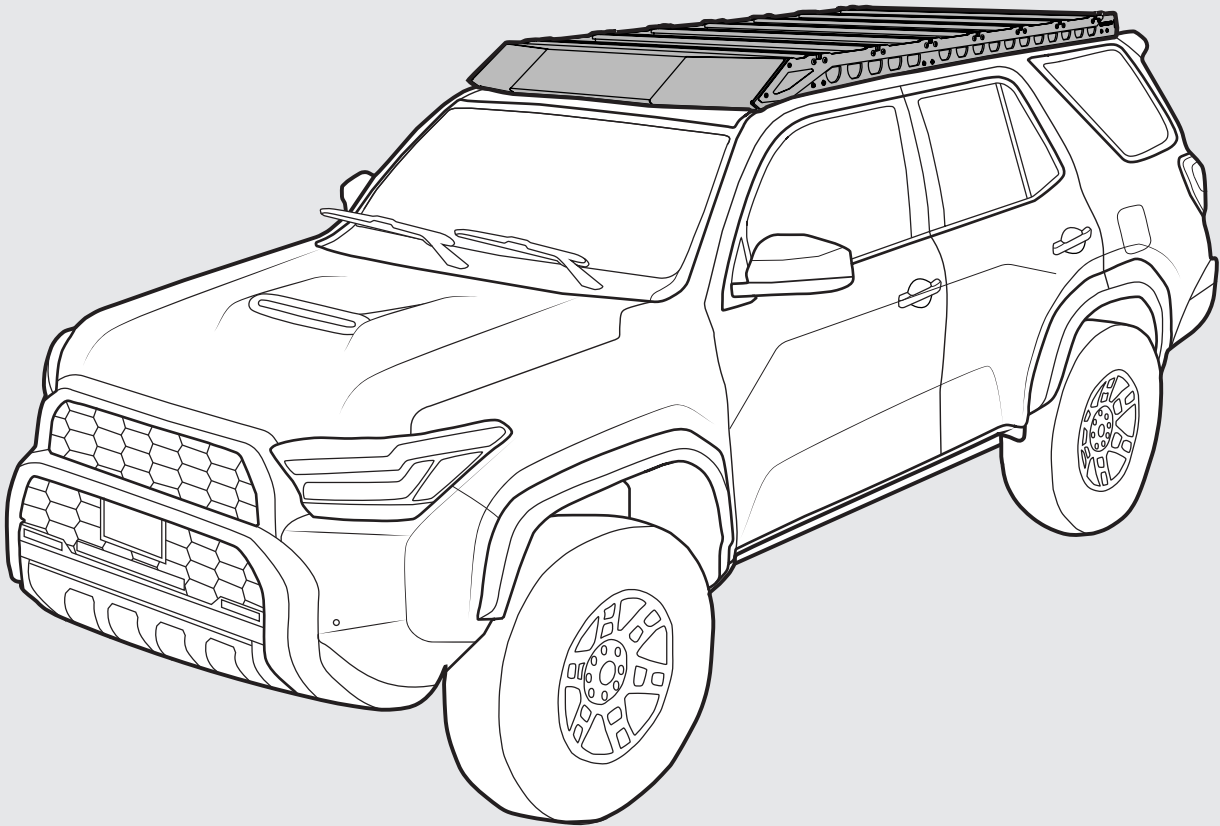
Important:

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



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

RHINORACK.COM


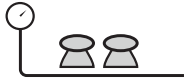


Document No: 520-RFI-00272


Issue No: 01

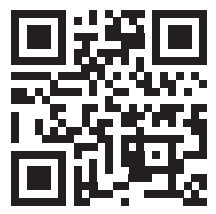
Issue Date: 08/09/2025

Toyota 4-Runner

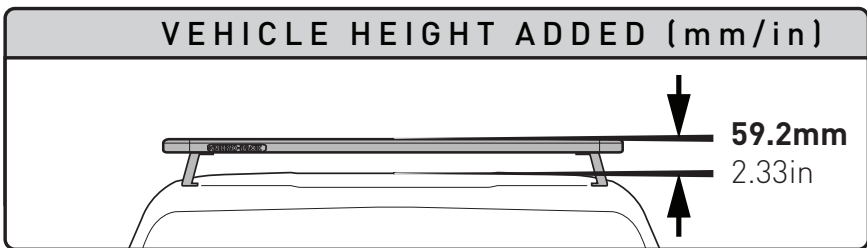
DYNAMIC LOAD LIMIT:
***USE THE VEHICLE MANUFACTURER'S MAXIMUM ROOF ALLOWANCE IF IT IS LOWER THAN THE FIGURE LISTED**


 CARGO	 SYSTEM WEIGHT	 LOAD LIMIT	OR	 *VEHICLE MANUFACTURER'S ROOF LOAD LIMIT
UP TO 120KG 263lbs	+ 30KG 67lbs	=		UP TO 150 KG 331 lbs

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



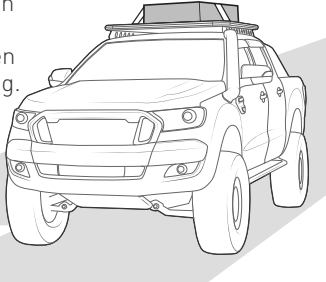
VISIT THE ONLINE CALCULATOR FOR CURRENT SYSTEM LOAD LIMIT DATA






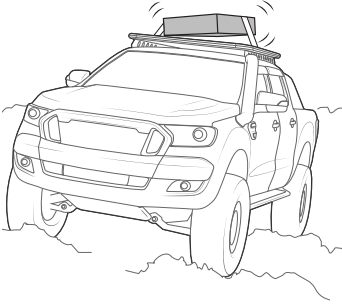
Do not exceed a maximum speed of **110 km/h** / **68 mp/h**

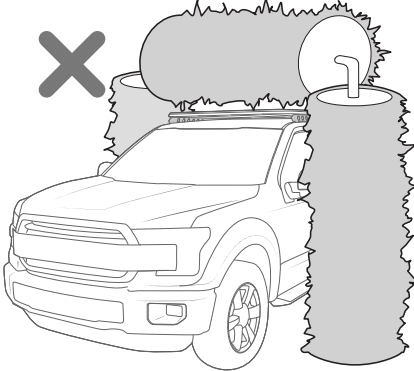
Use extreme caution transporting wind-resistant loads when cornering or braking.



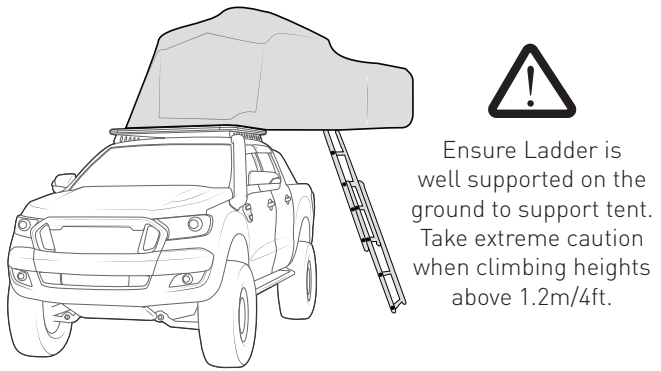


Off-road conditions can be more rigorous. Use extreme caution on paths without a sealed surface like tar or bitumen.

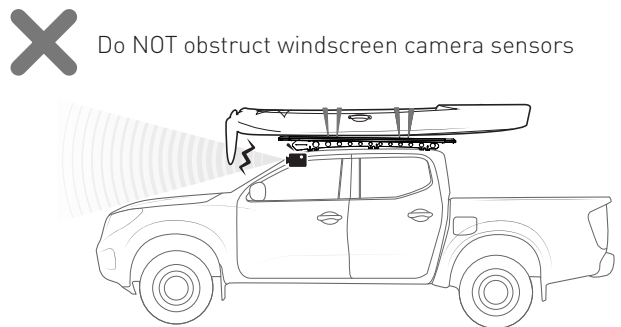




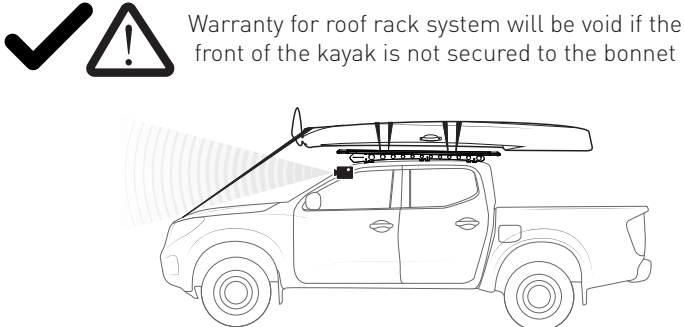
Racks must be removed when vehicle is put through an automatic car wash.



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

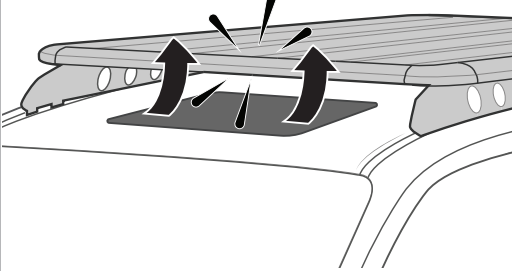
Surfboard Overhang > 600mm must be tied to the bonnet

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


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



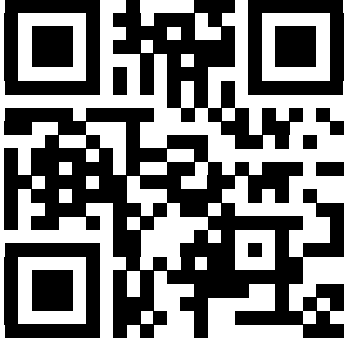
Ensure sunroof will not collide with roof rack system.



Find another copy of the instruction manual here.



Youtube.com/RhinoRackAustralia



In service maintenance checks

- All bolts should be checked after driving a short distance when you first install your roof racks to 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:

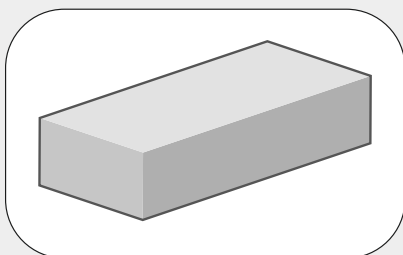
Unless stated otherwise in these instructions, all fasteners should be set to the following torque settings:



What you should have

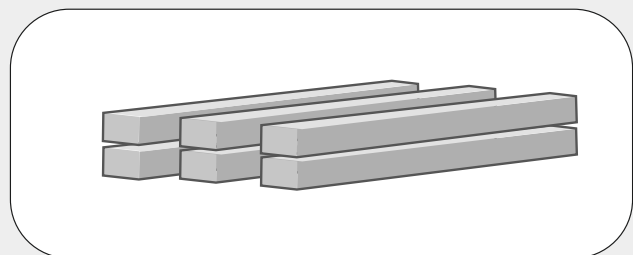
To complete this build/ fit you will need:

RECONN SYSTEM COMPONENTS



63103

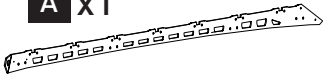
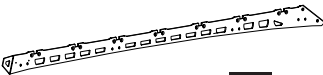
+



RDB120P

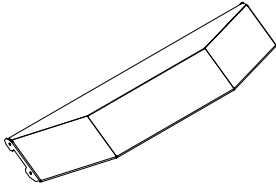
Parts List

Blade - Left Side
A x1

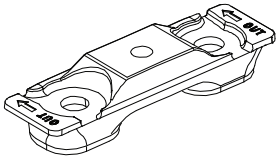



Blade - Right Side
B x1

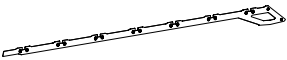
Fairing Weldment
C x1



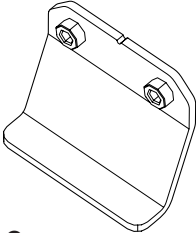
Cast Mounting Block with Gasket
D x4



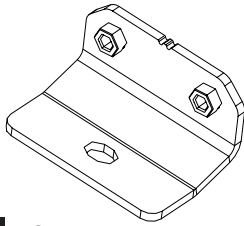
Trim Plate
E x2




Front Leg
F x2



Middle Leg
G x2




Stiffening Plate
H x2



Rear Leg
I x2



M8 x 16mm Flat Washer
J x12



M8 X 40 Torx Socket Trilobular Screw
K x24



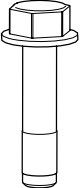
M8 X 20 Torx Socket Screw
L x12



M8 x 20 Hex Head Flanged Bolt with T40
M x4



M8 X 35mm Hex Head Flanged Bolt
N x8



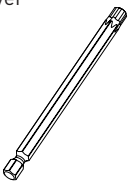
M6 X 16 Torx Socket Screw
O x4



T30 x 100mm Torx Drive 1.4 Hex Driver
P x1



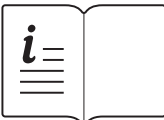
T40 x 100mm Torx Drive 1.4 Hex Driver
Q x1

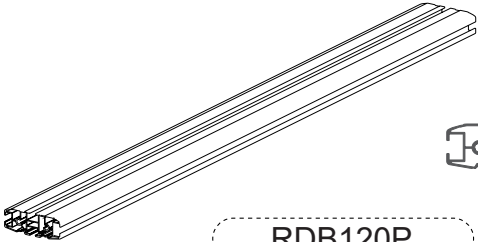


M8 X 40 Torx Socket Trilobular Screw (Silver)
R x6



Instruction
S x1



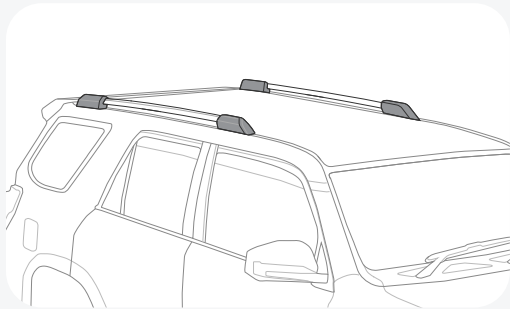
Reconn Deck Bar

RDB120P x6

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
- T12 - Step Ladder

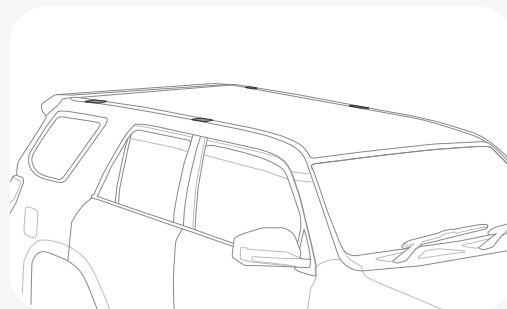
P1

RAISED RAIL



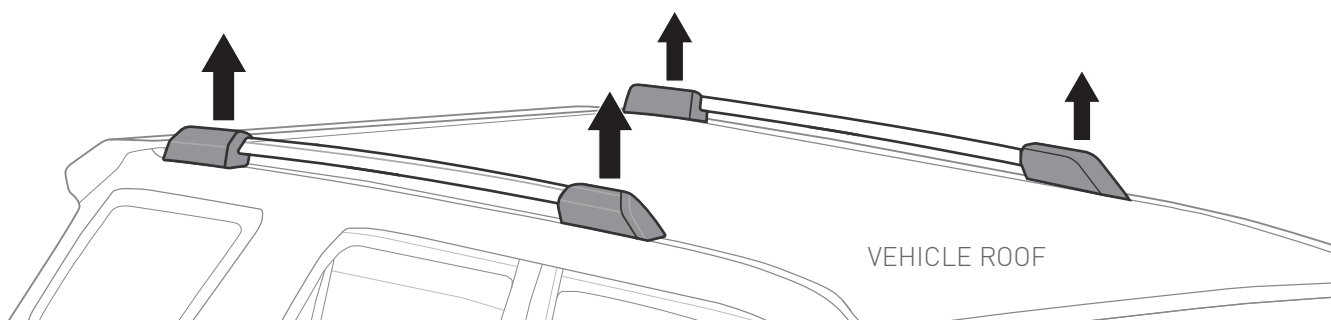
Proceed Here **Steps 1 - 4**

BARE ROOF



Skip to **Steps 5 - 7**

1 Remove all end caps.

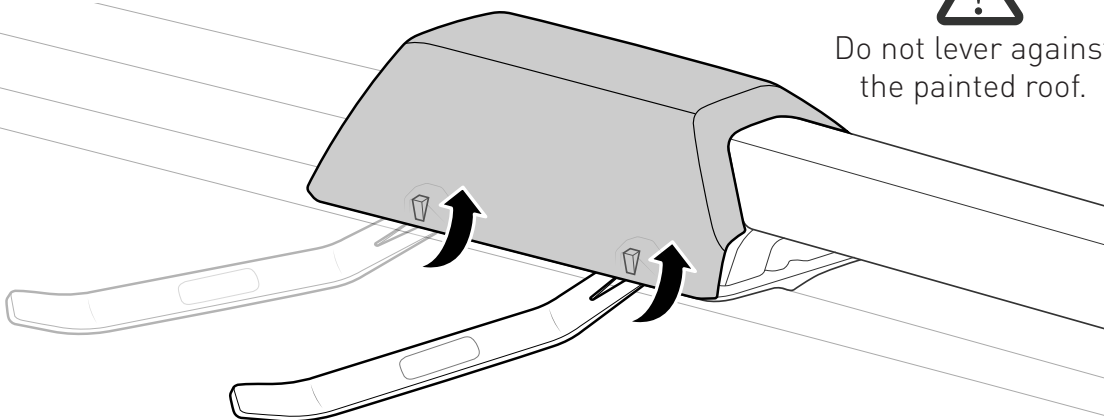
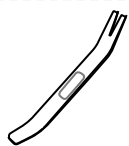


1a Remove rear cover using **T7** by carefully pressing around all edges.

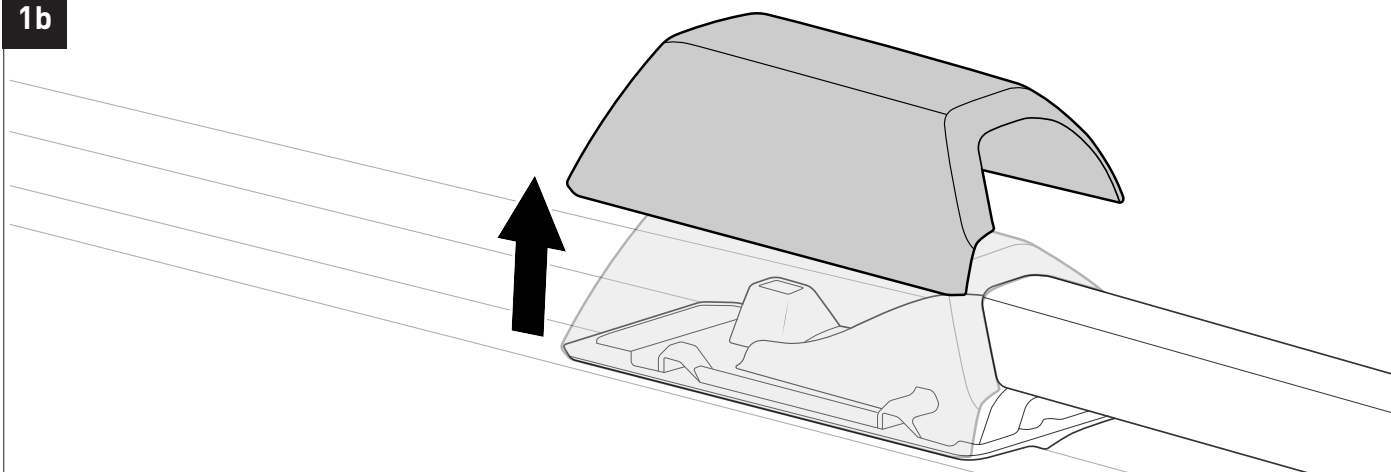


Do not lever against the painted roof.

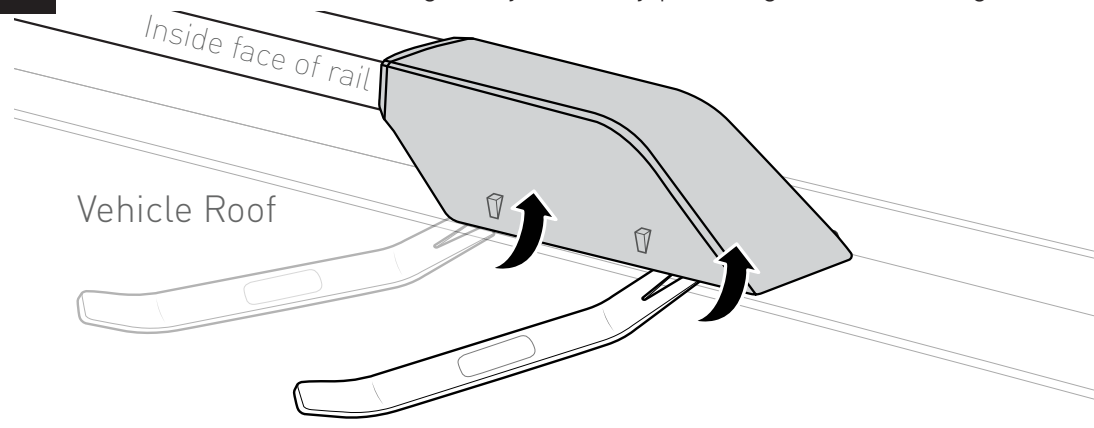
T9



1b

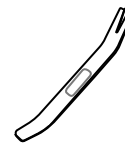


1c Remove front cover using **T7** by carefully pressing around all edges.

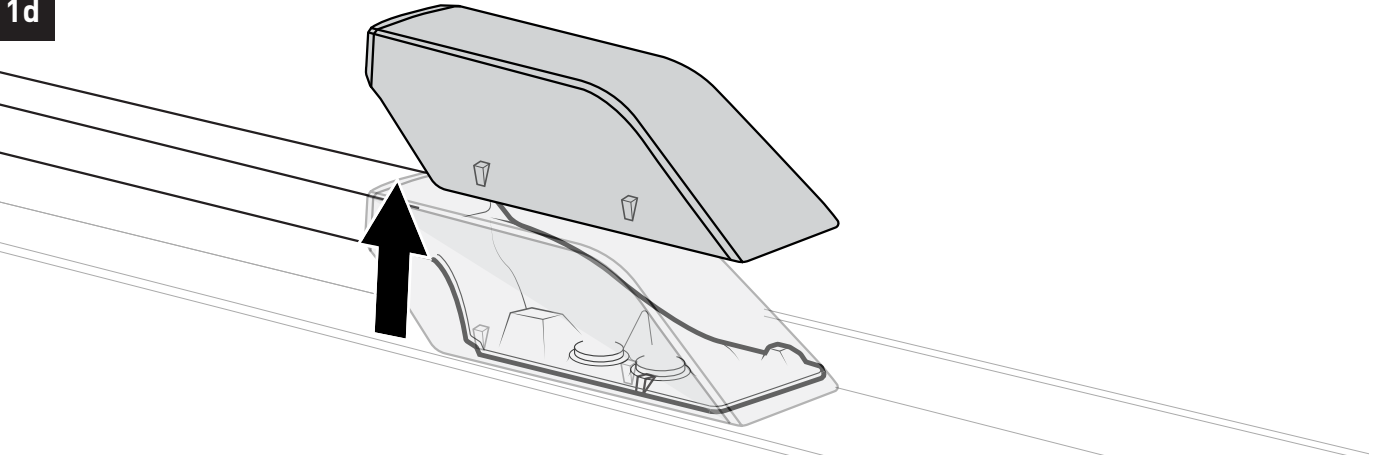


Do not lever against the painted roof.

T9



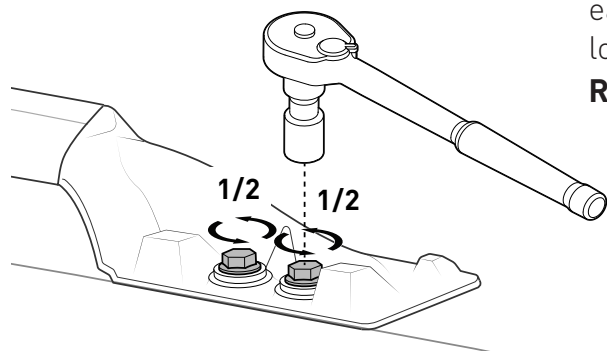
1d



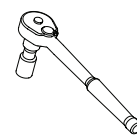
2a

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

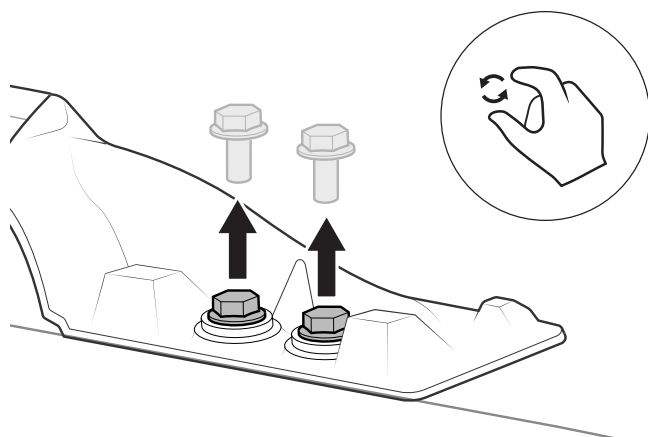
Repeat removal for rear rail bolts.



T10



2b



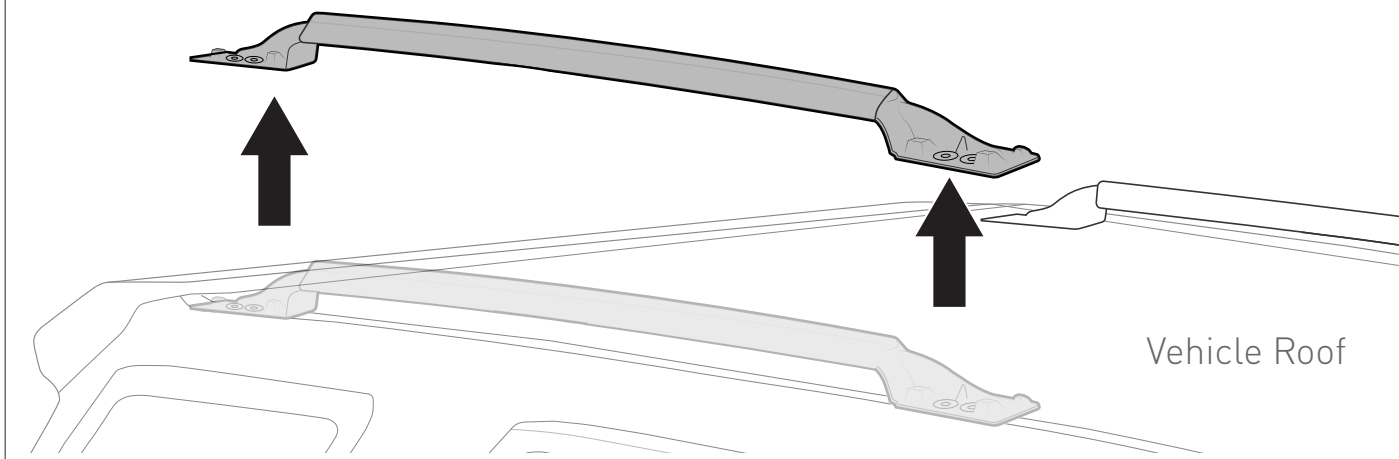
Ensure both bolts are loose before removing either bolt completely.

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

NOTE: Store hardware in a safe place.

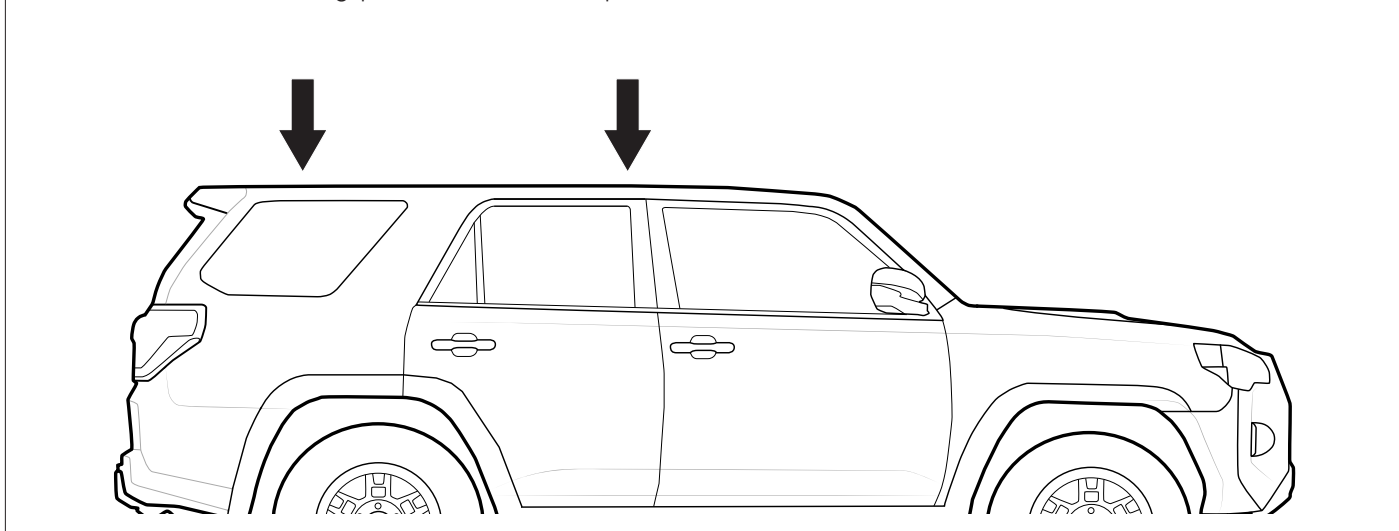
3 Remove rails by lifting vertically.

NOTE: Store in a safe place.

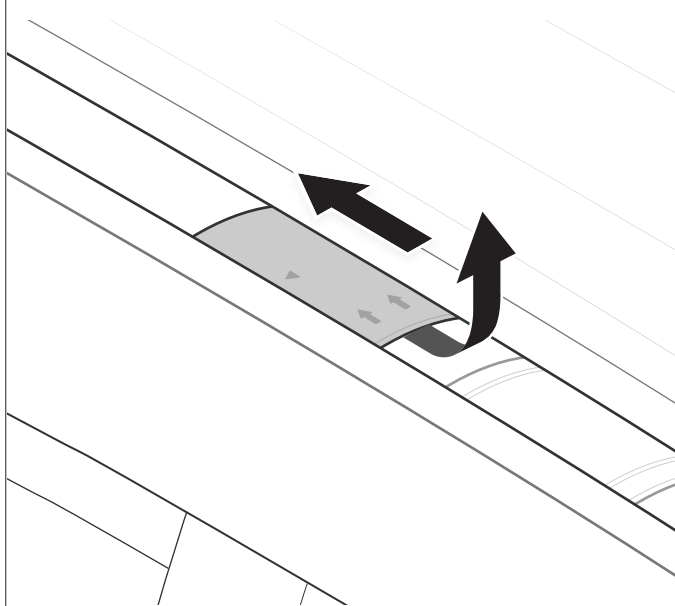


Raised Rail Removal Complete. **Skip to step 8**

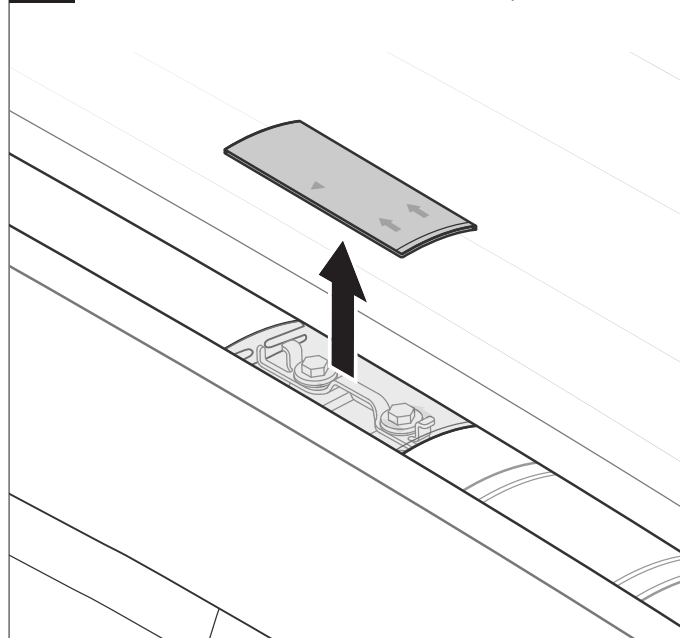
4 Remove mounting point covers (two per side).



4a Lift end while pushing in the direction of the arrow.



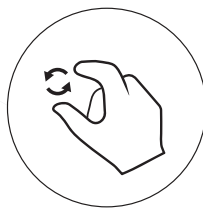
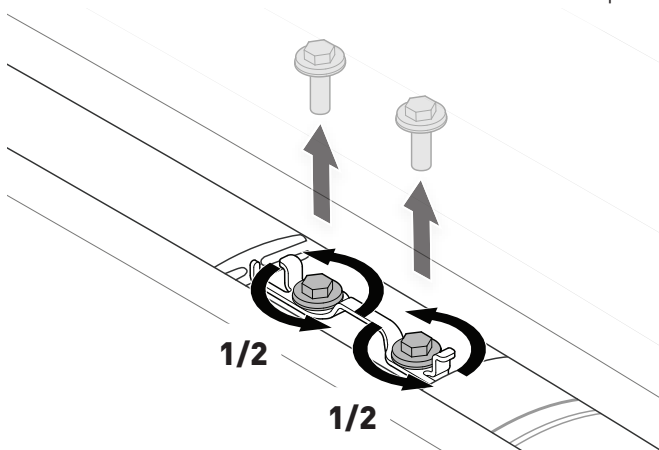
4b **NOTE:** Store covers in a safe place.



5a Break both bolts loose, incrementally turning each a half turn at a time, until they are both loose enough to remove by hand.

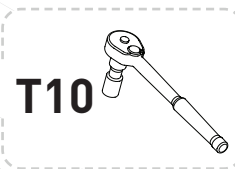
Remove factory bolts and hooks from selected mounting points.

NOTE: Store hooks and hardware in a safe place.

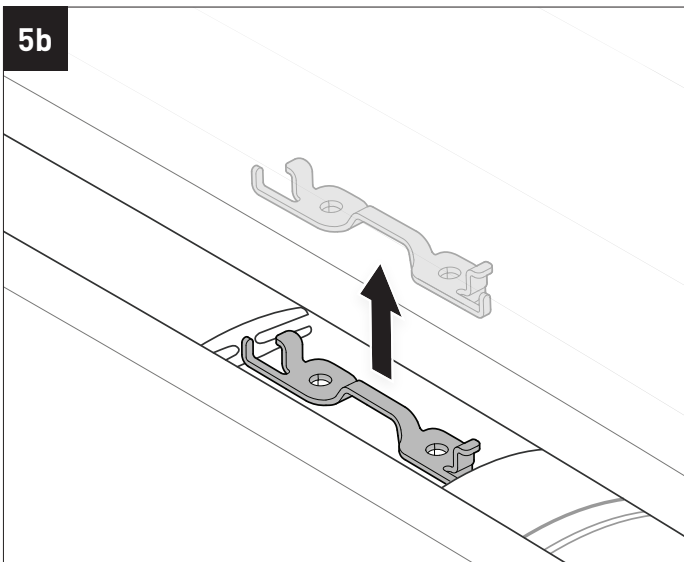


Ensure both bolts are loose before removing either bolt completely.

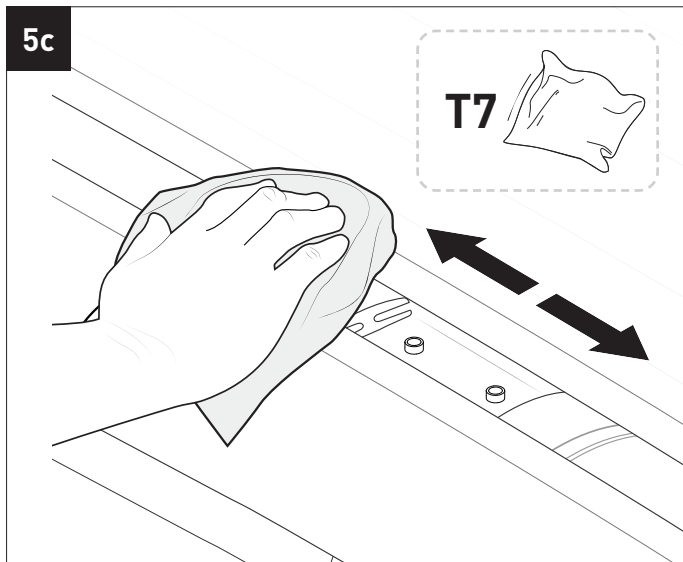
Failure to do so may lead to the internal threaded roof plate being dislodged.



5b



5c

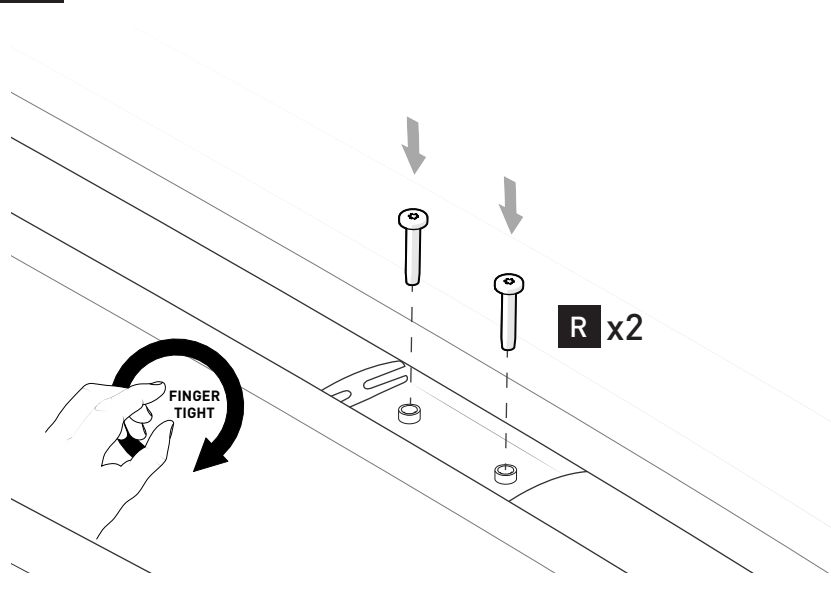


T7

Bare Roof Removal Complete.

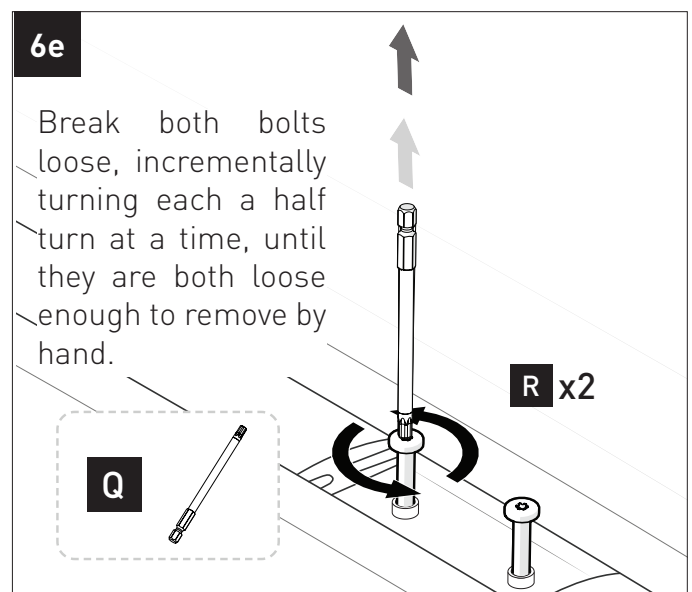
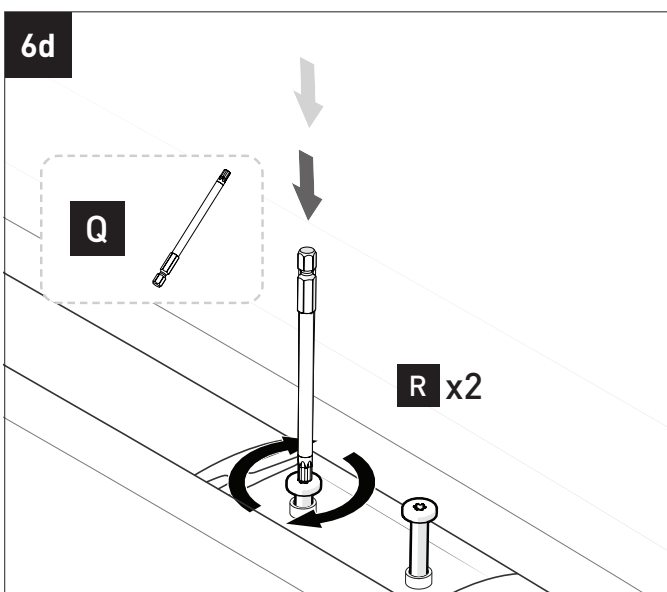
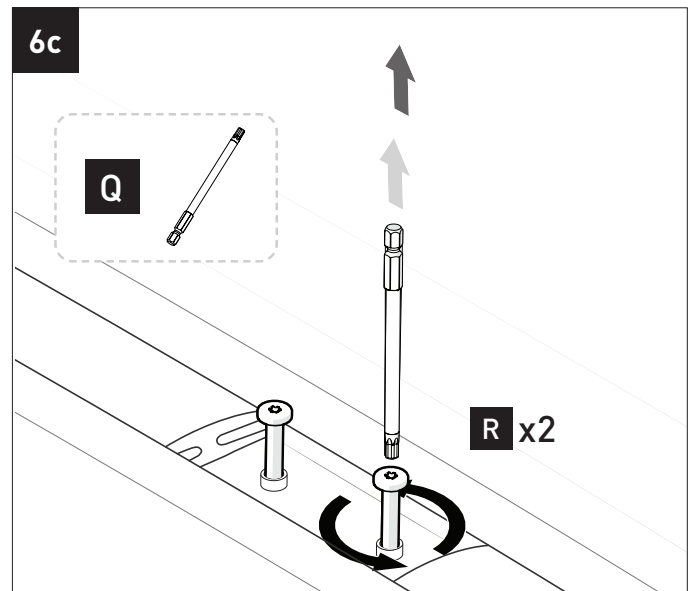
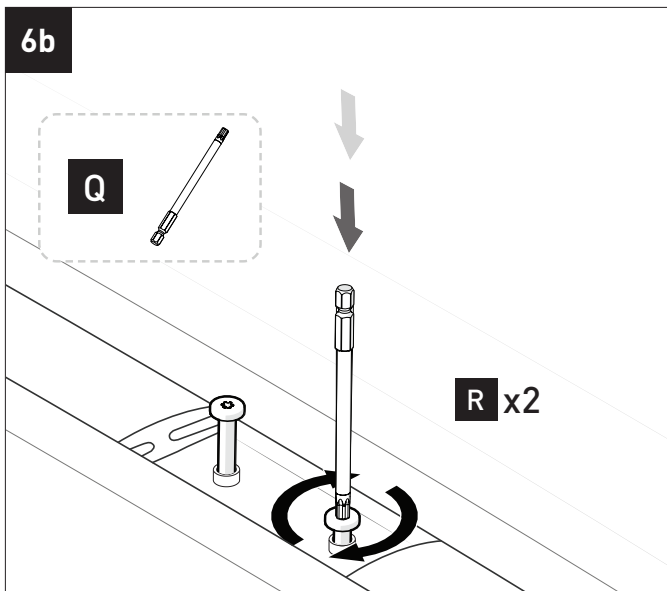
P2

6a Use tapping screws **R** 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 **6a** to **6e** for all 6 mounting points.

7

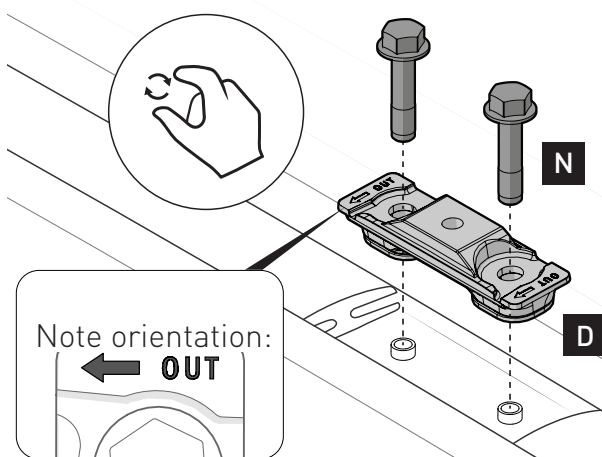
Assemble mounting blocks (3 per side) with supplied flanged bolts.

Insert both bolts simultaneously and gently into the internal roof plate and finger tighten.

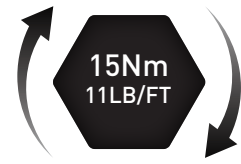
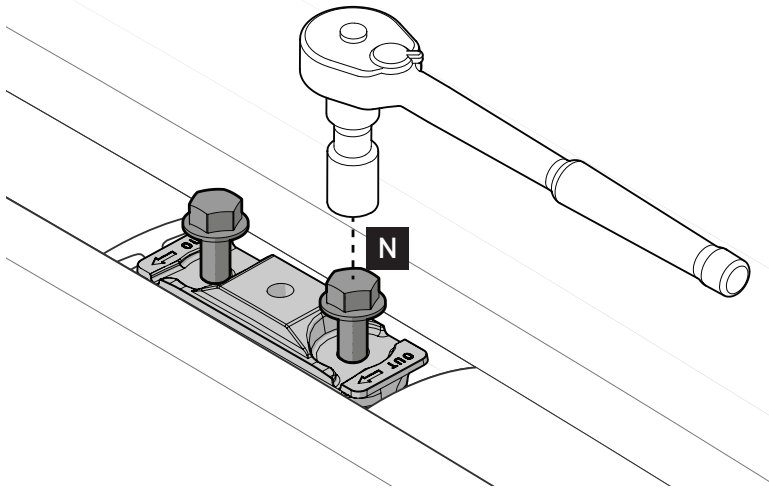


Ensure both bolts are inserted by hand before using **T6** to tighten.

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

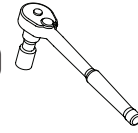


8

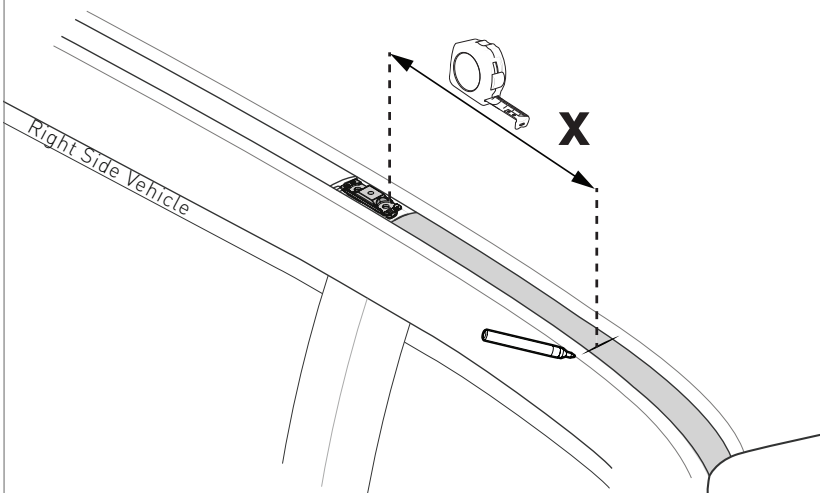


Once both bolts are threaded into the internal roof plate, use **T10** to tighten.

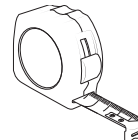
T10



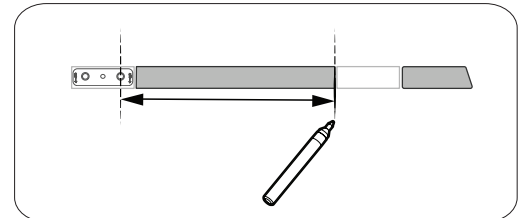
9a Mark righthand side ditch trim. Refer to step 9c for **X** value.



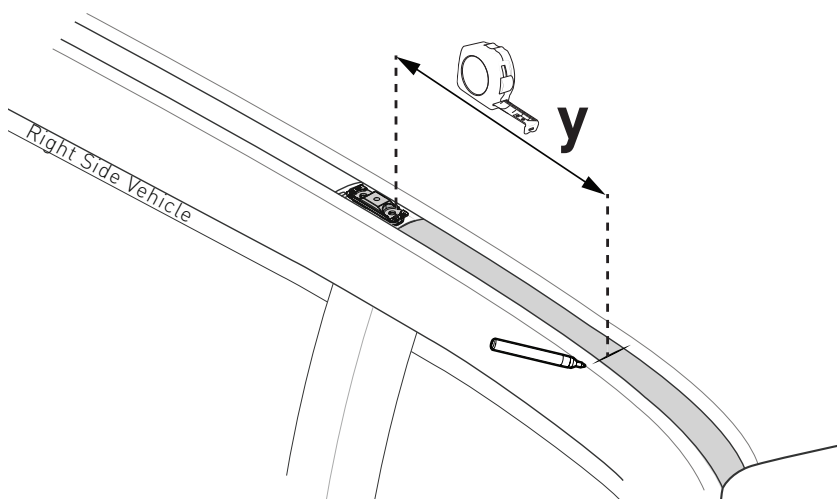
T1



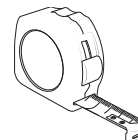
T3



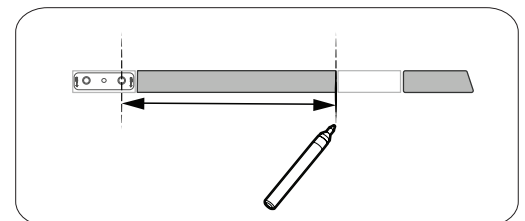
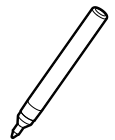
9b Refer to step 9c for **y** value.



T1



T3

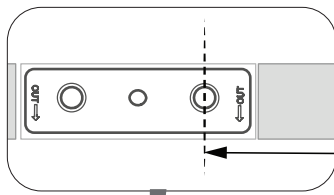
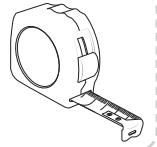


9c

NOTE

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

T1



Y = 662mm / 26 1/16"

X = 558mm / 21 31/32"

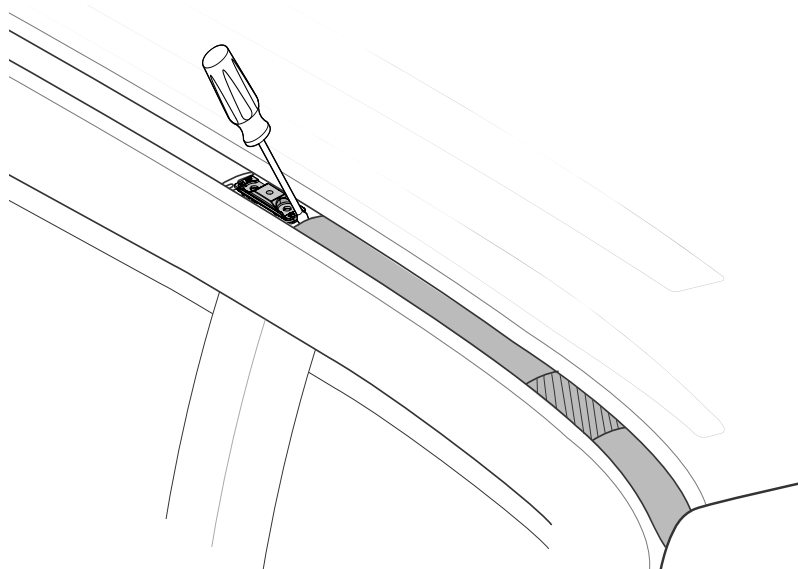
Rear



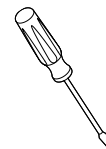
Front

10a

Partially remove the RH side rubber ditch trim.

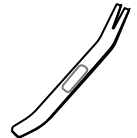


T4

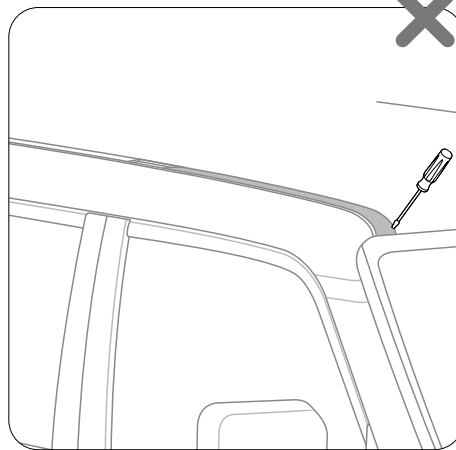
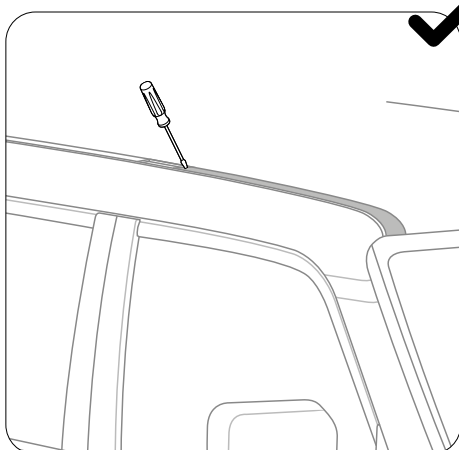


or

T9



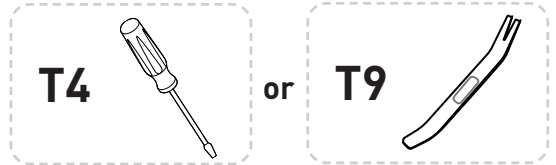
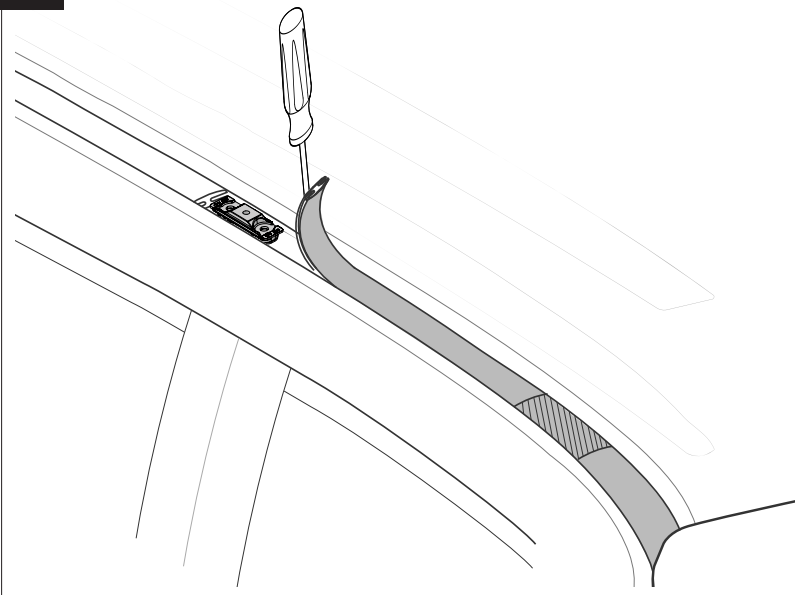
Do not lever against the painted roof.



NOTE

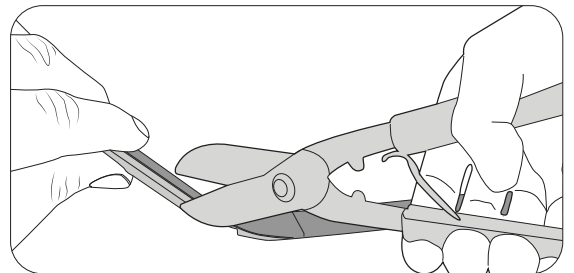
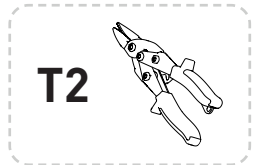
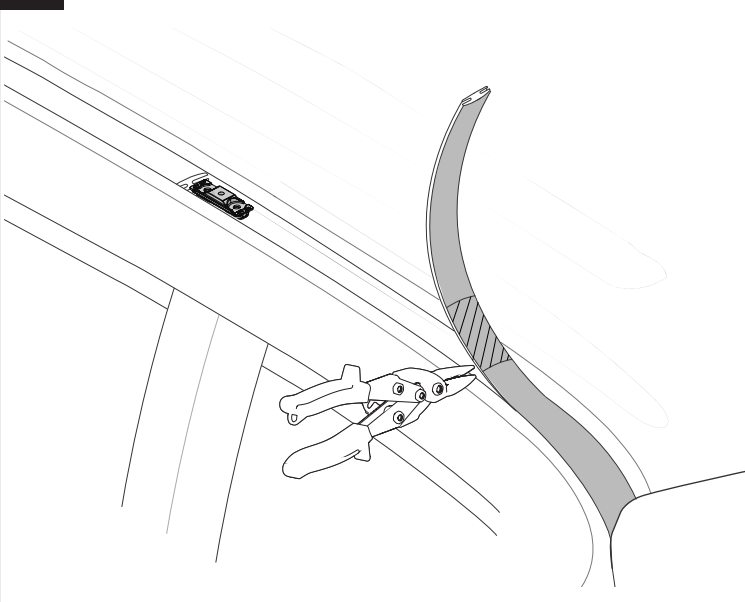
Avoid completely removing the rubber trim to avoid damaging seal at the end of the front windscreen.

10b

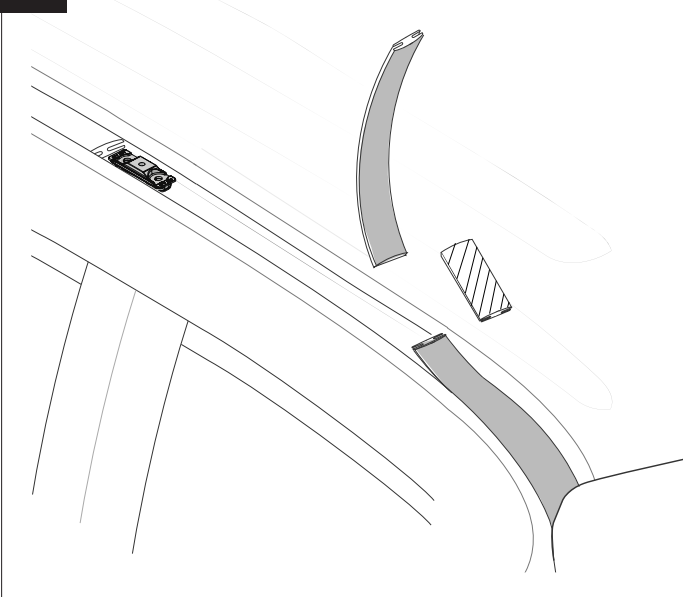


Do not lever against the painted roof.

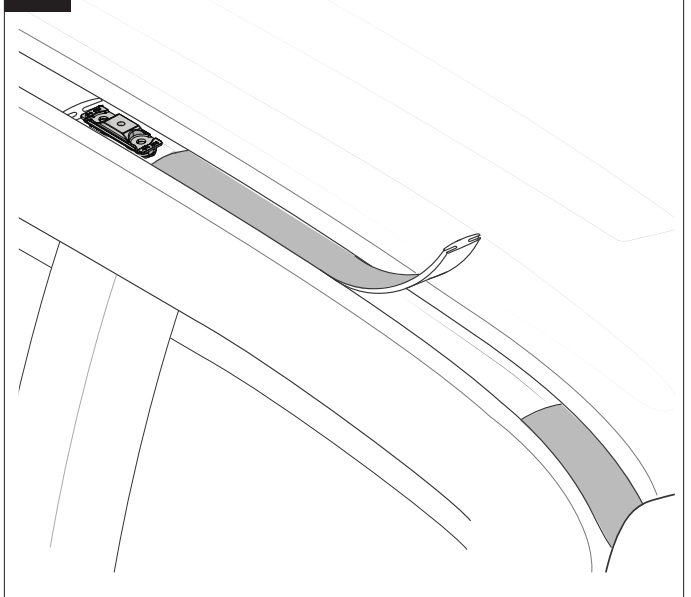
11a



11b



11c



12

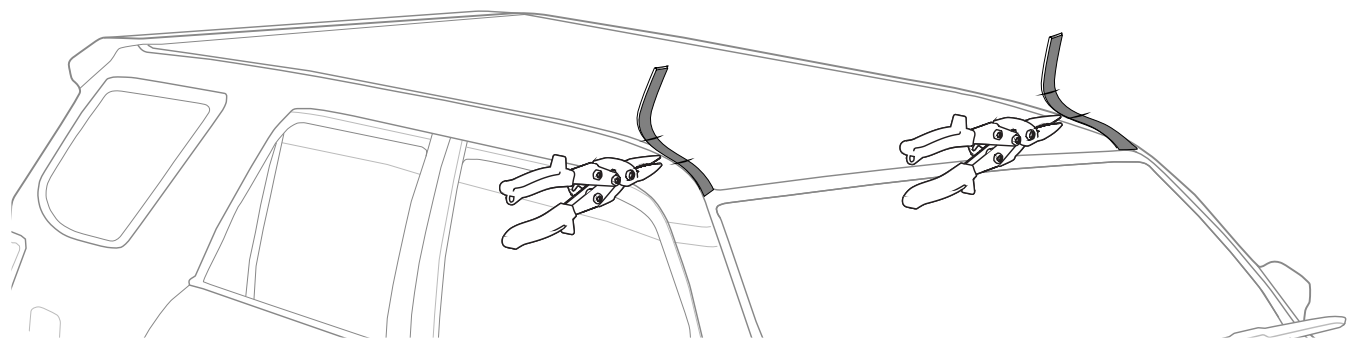


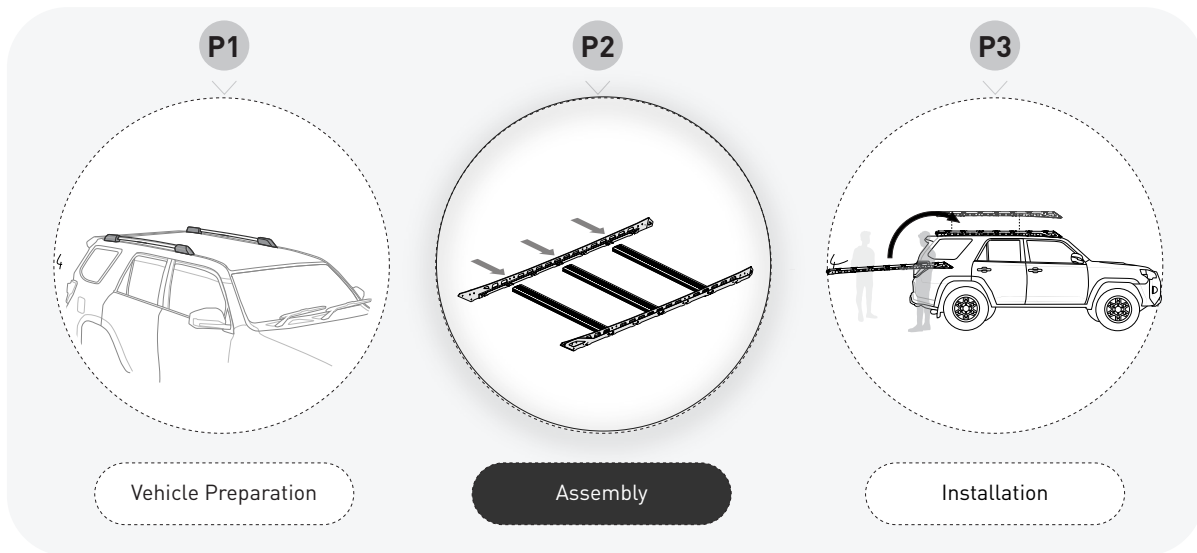
Ensure gutter trim is stuck back down correctly. Double sided tape may be required.

NOTE

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

13 Repeat step 9 - 12 for left Ditch Rubbers.



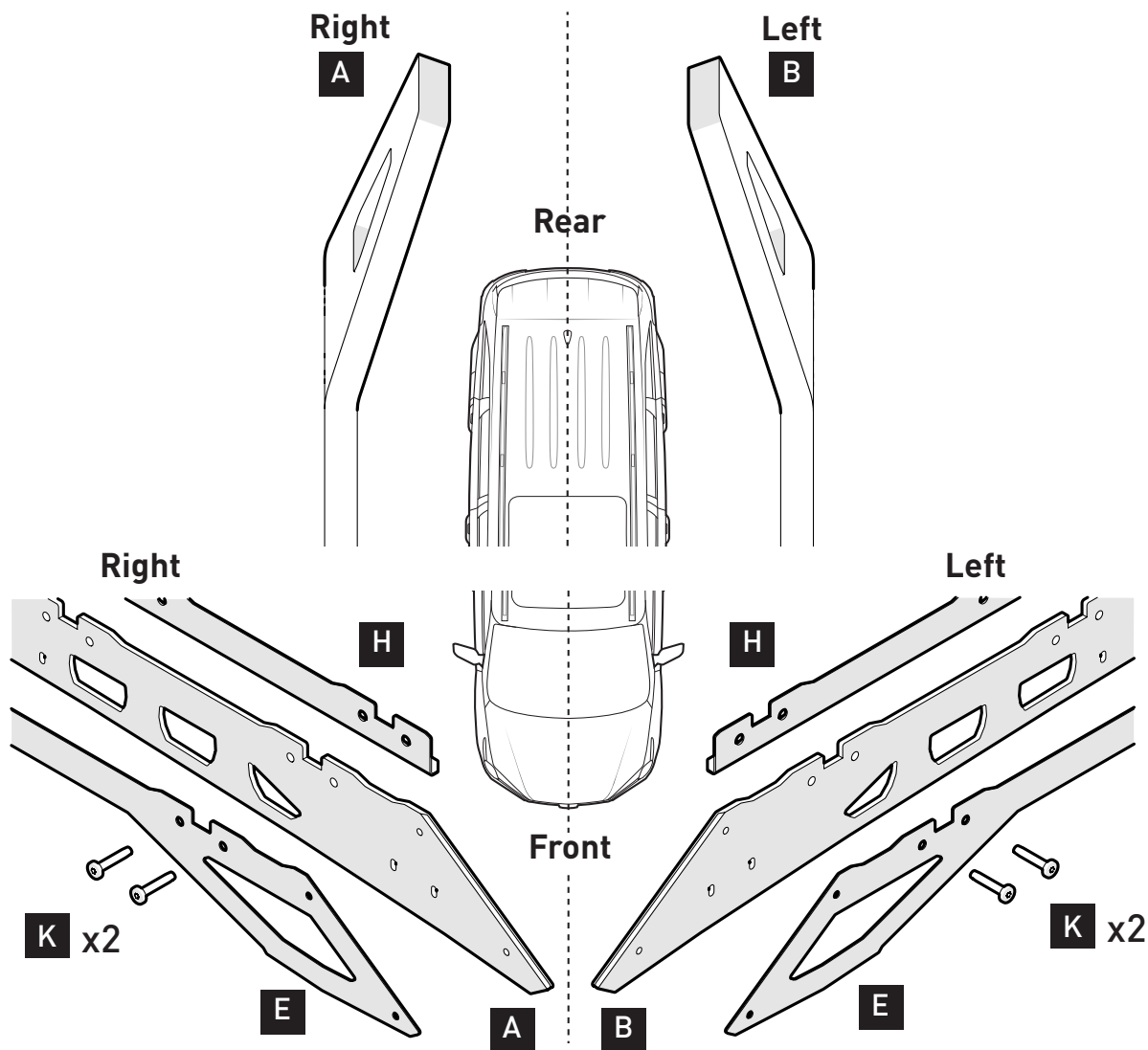


P2

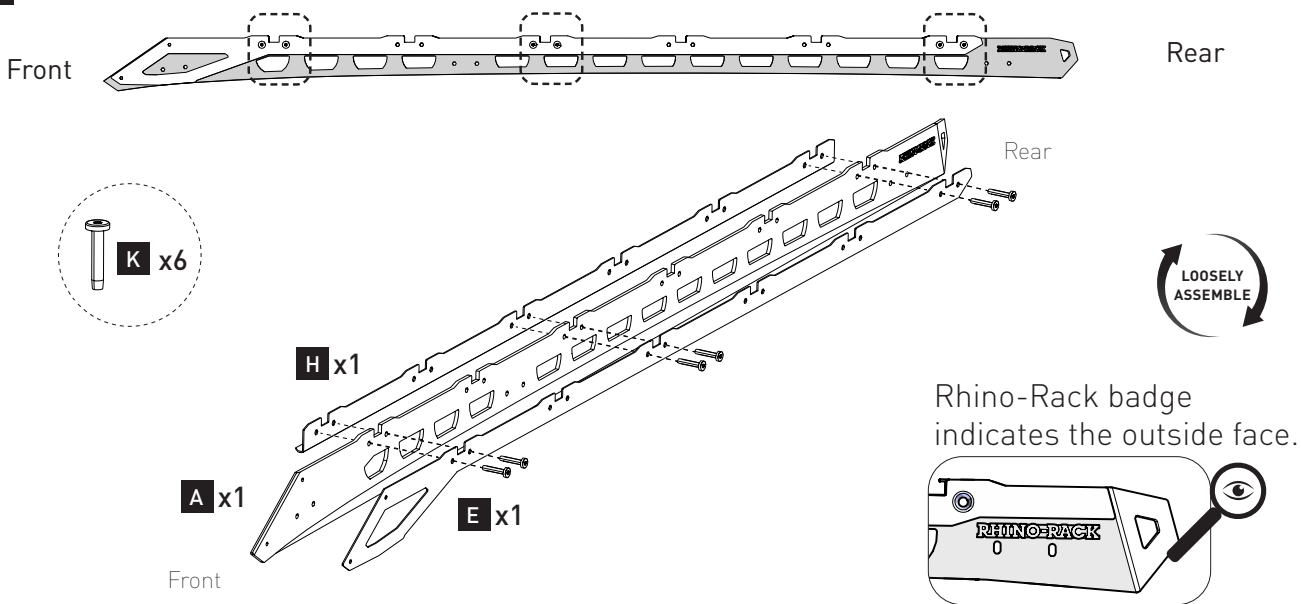
14

NOTE

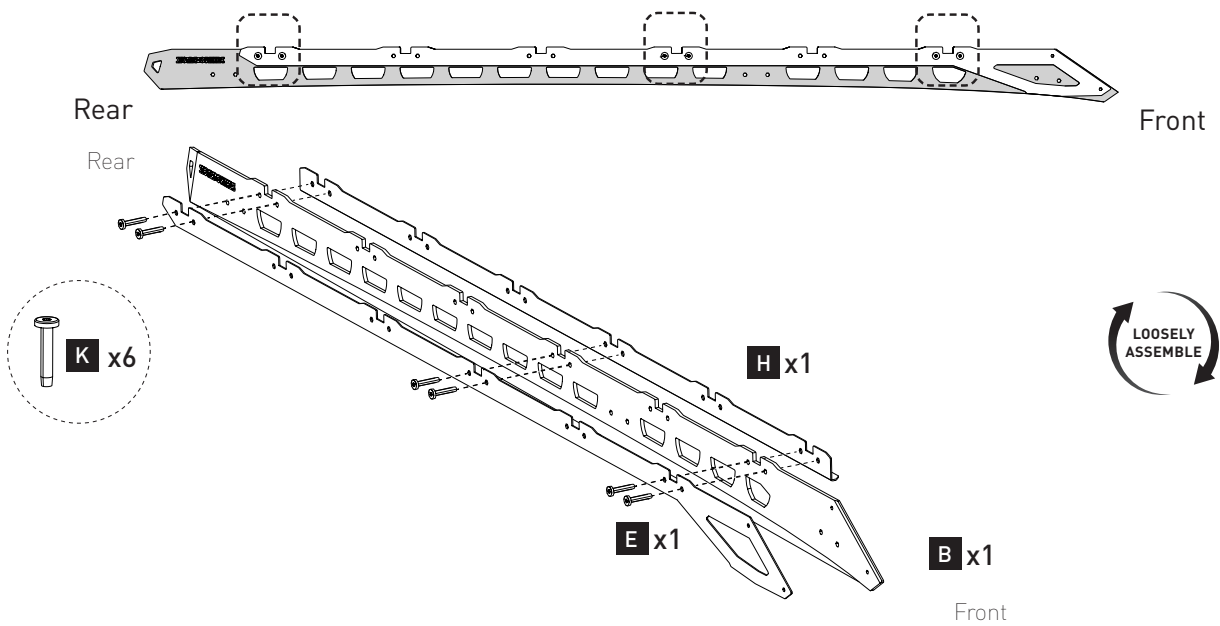
The rear ends angle inward toward the center of the vehicle, indicating the left and right blades.



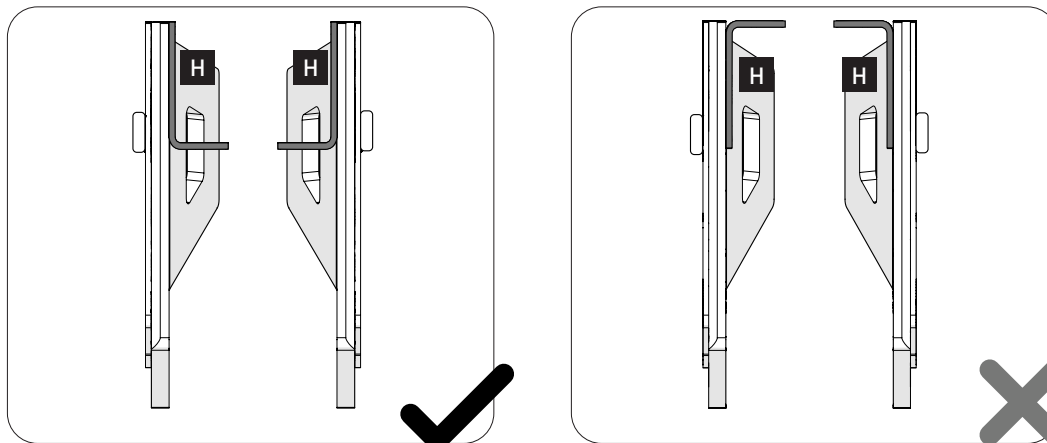
15 Loosely assemble **2x bolts** at each of the **3 indicated locations** on **left side blade**.



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



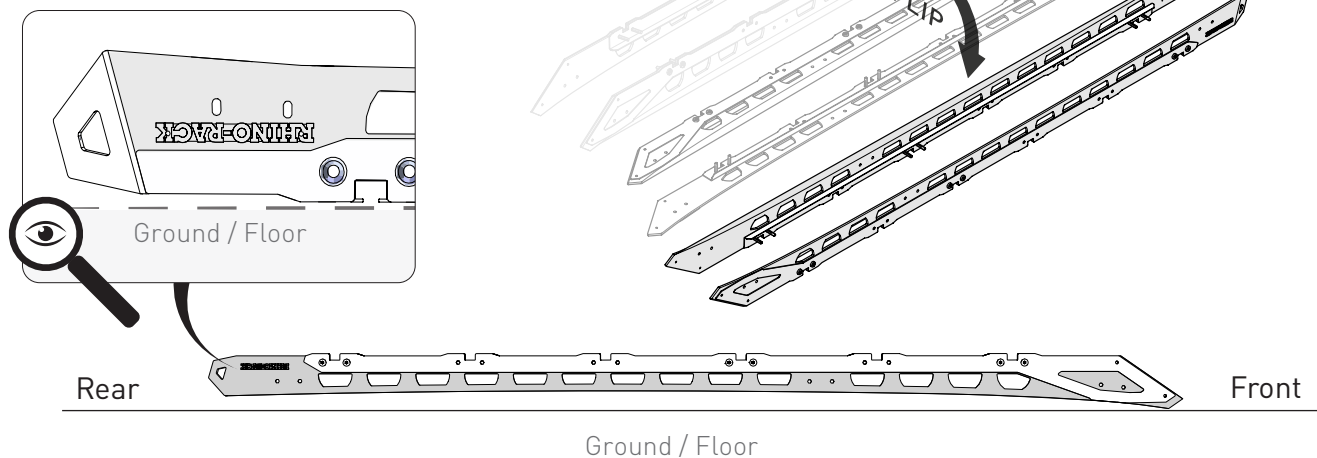
17 Ensure that **H** is positioned correctly on both left & right blades.



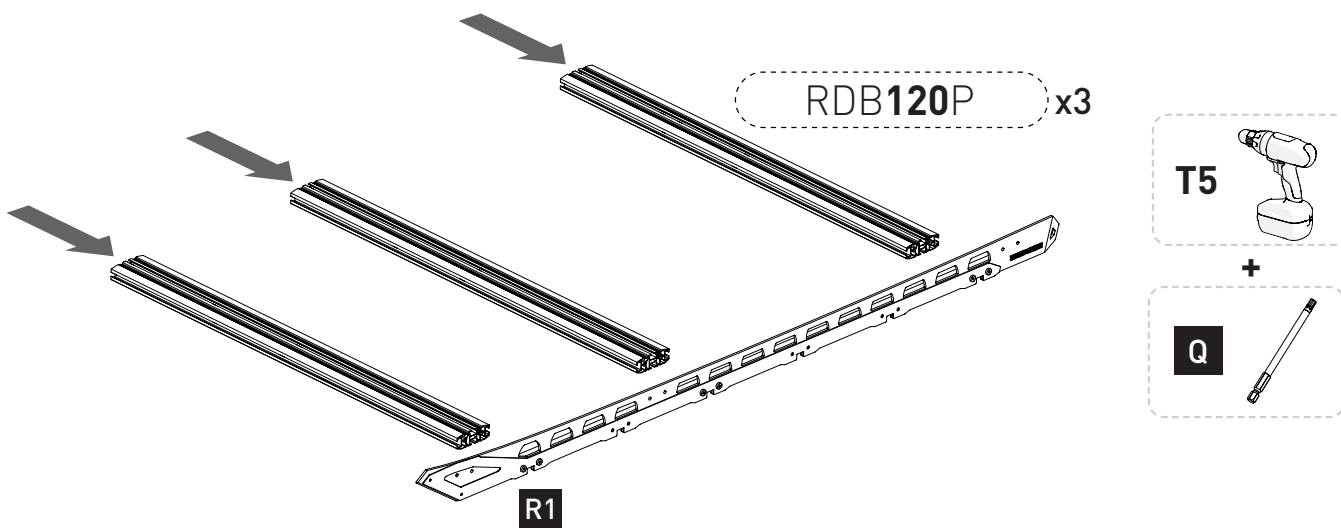
18 Flip blade assemblies.

NOTE


Upside-down Rhino-Rack badge indicates correct orientation.

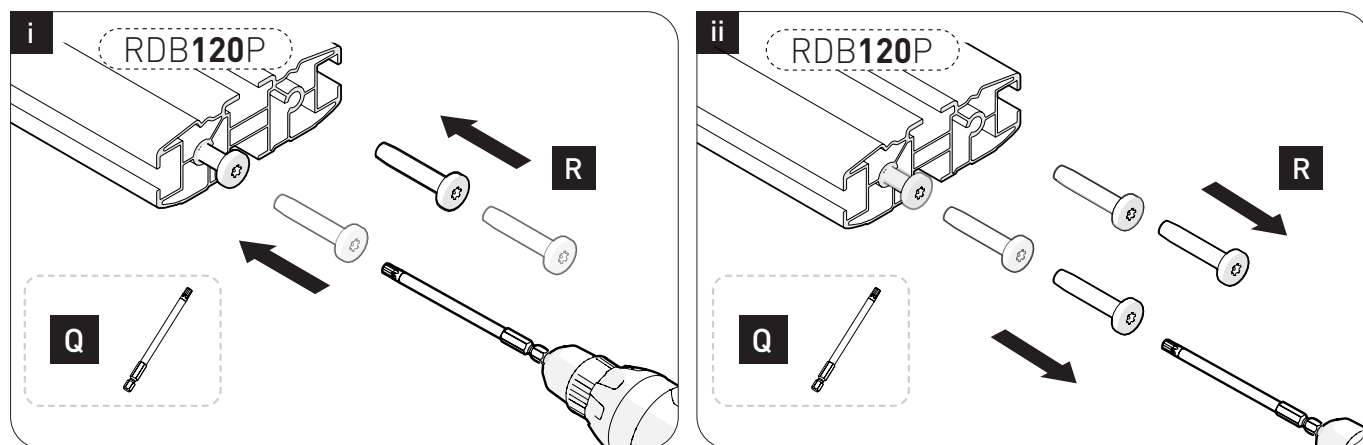


19 Screw **3x** RDB120P bars to right hand blade assembly.

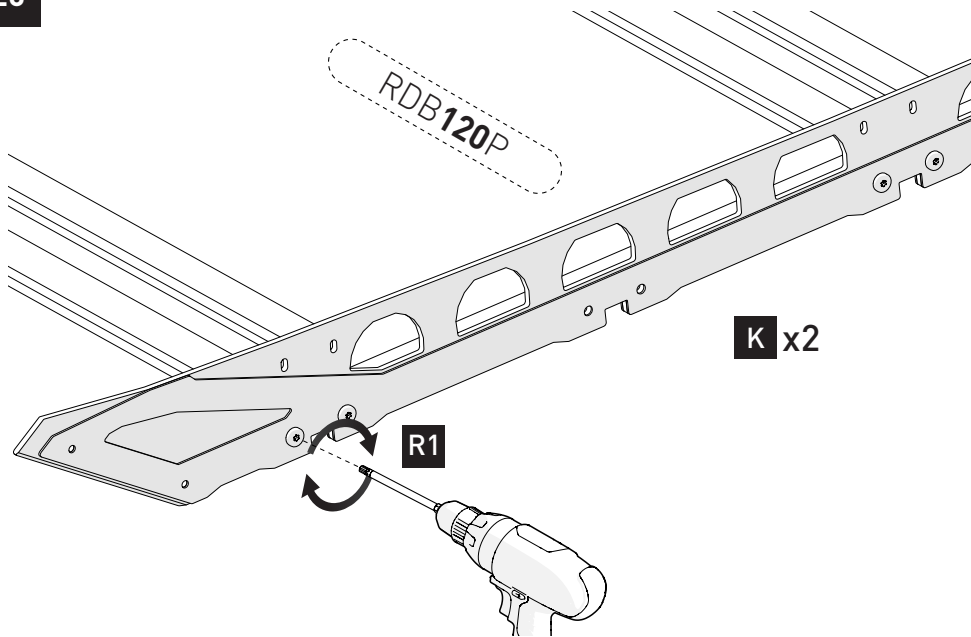
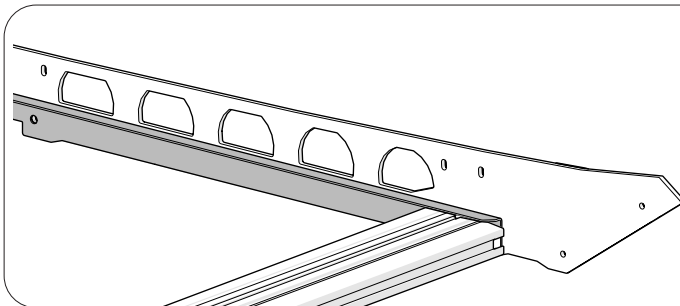
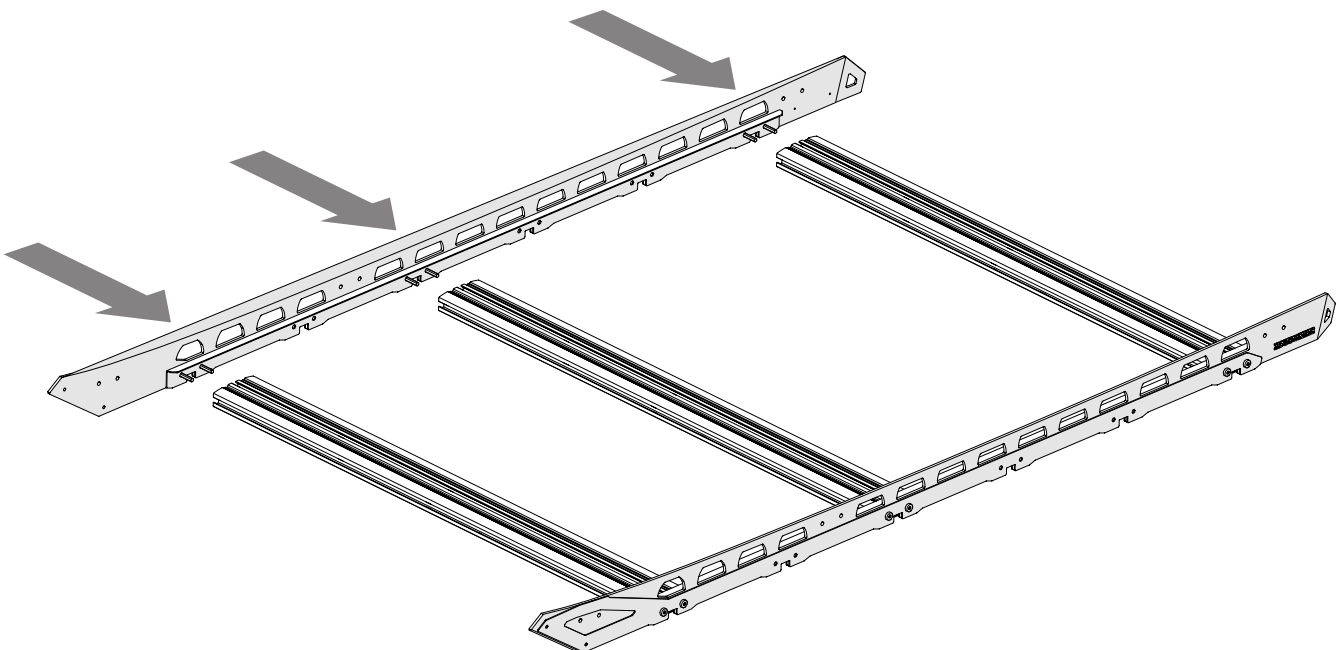


NOTE For easier handling, use **R** screws pre-tap **7x** RDB120P bars at both ends.

 Brace or clamp the bar during this step.



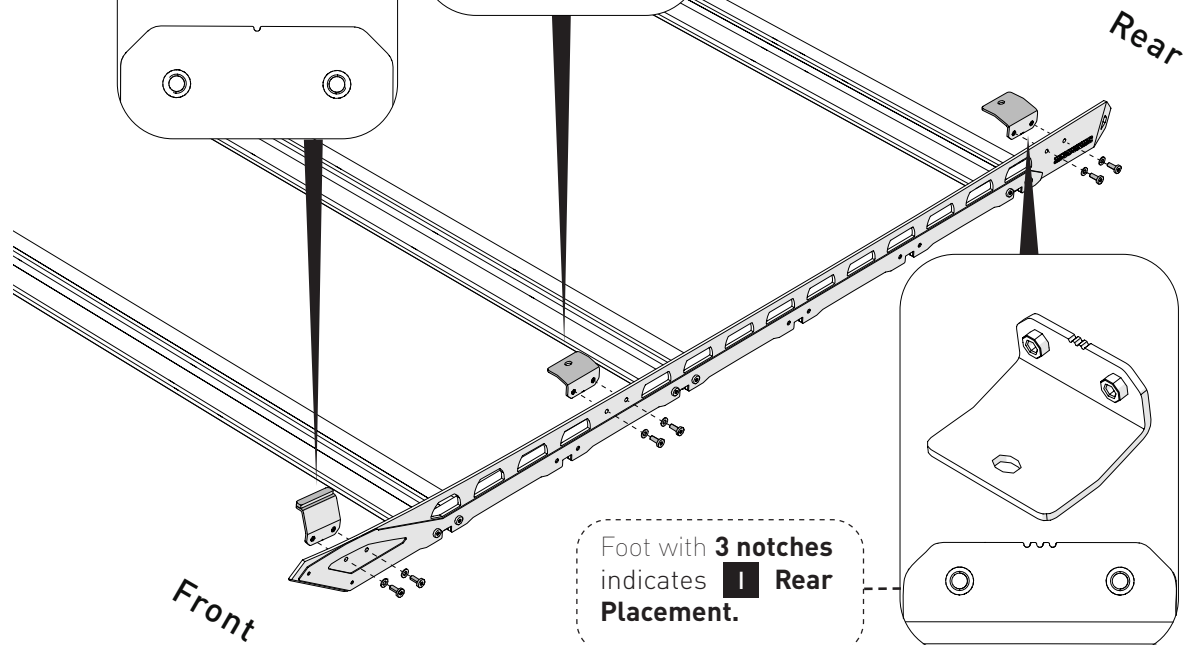
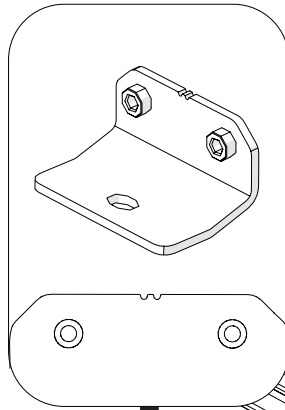
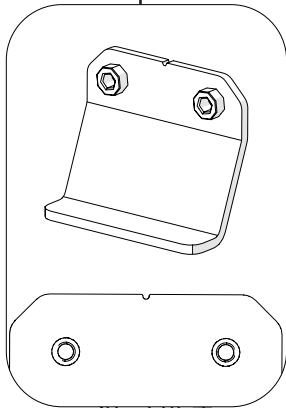
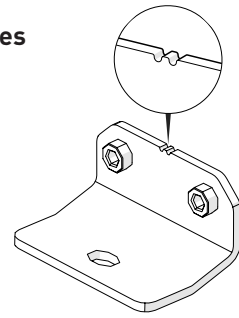
20

Tighten **K** to**NOTE**Ensure **RDB120P** Bars sit under **H x1**21 Repeat steps **19** & **20** with left hand blade assembly.

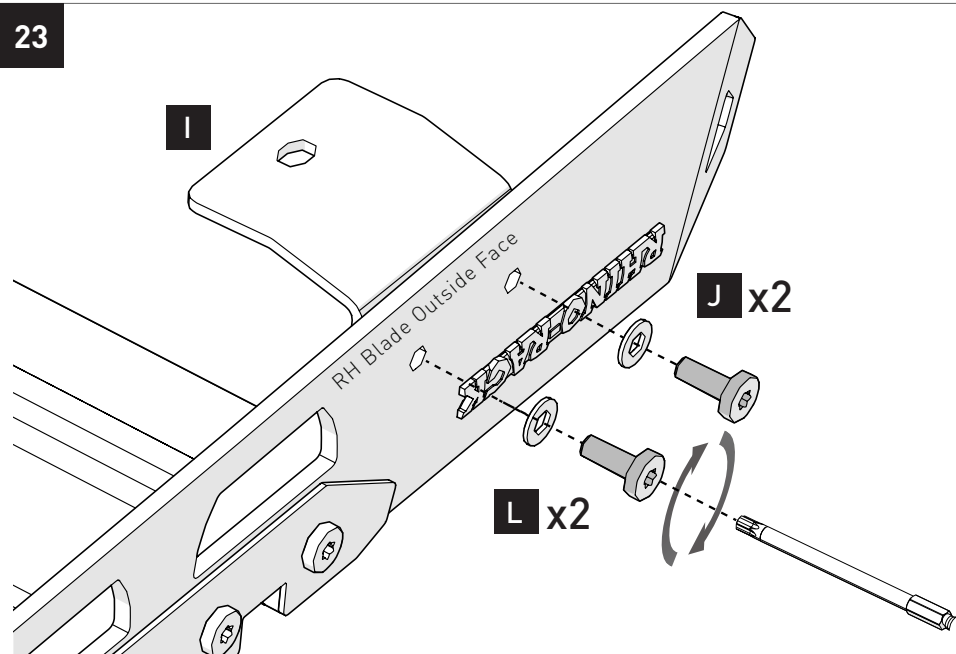
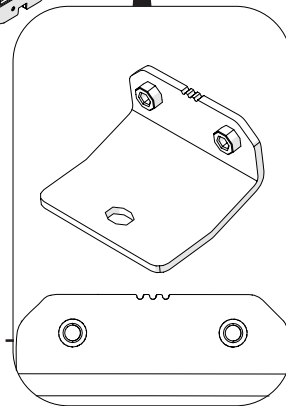
NOTE

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

The foot with **1 notch F** indicates **Front Placement**.



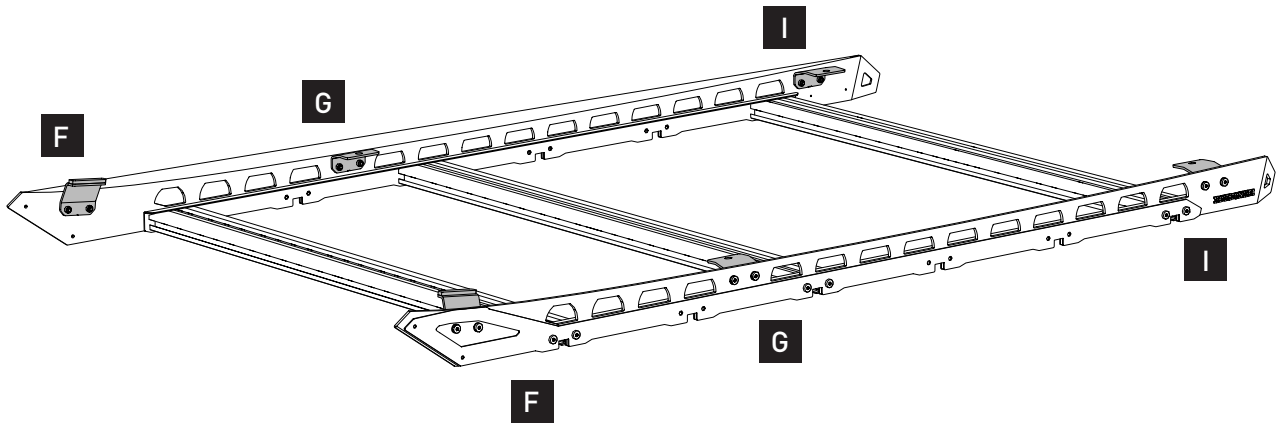
Foot with **3 notches** indicates **I Rear Placement**.



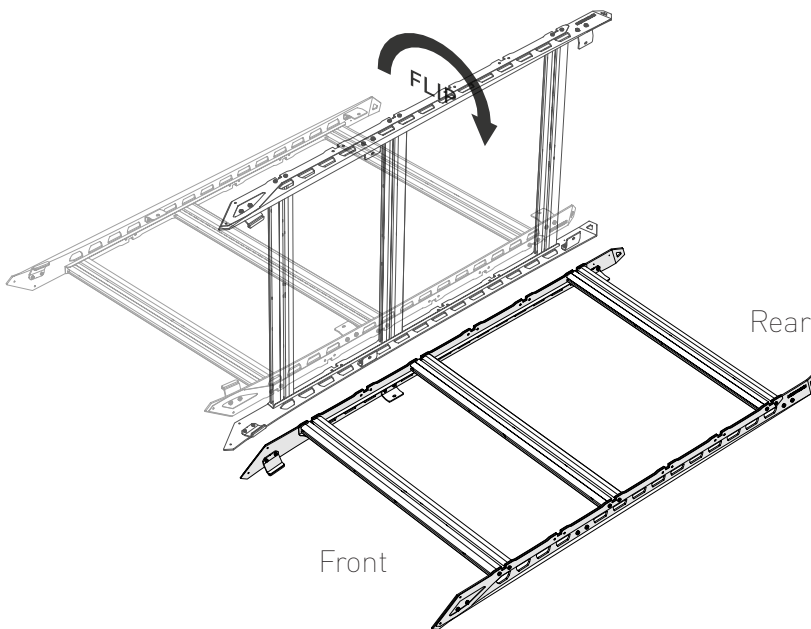
Tighten **L** to



24 Repeat step **23** for all remaining feet on both sides.

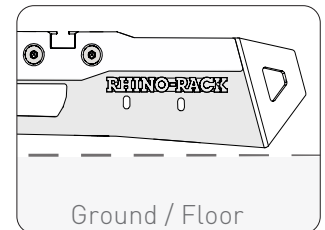


25

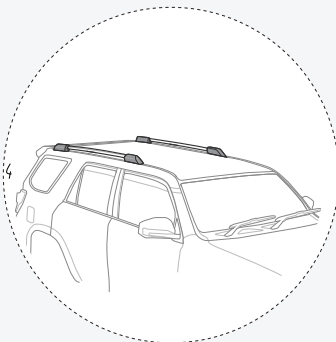


NOTE

Upright Rhino-Rack badge indicates the correct orientation.

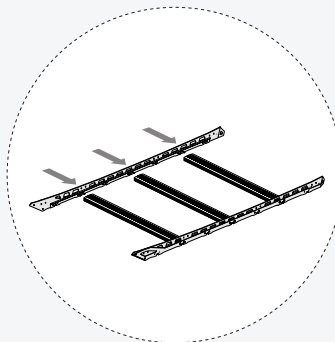


P1



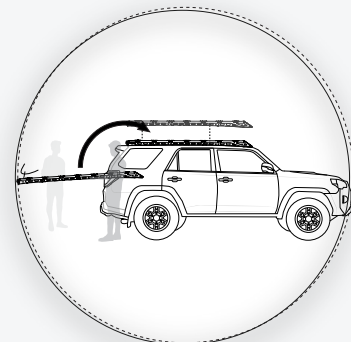
Vehicle Preparation

P2



Assembly

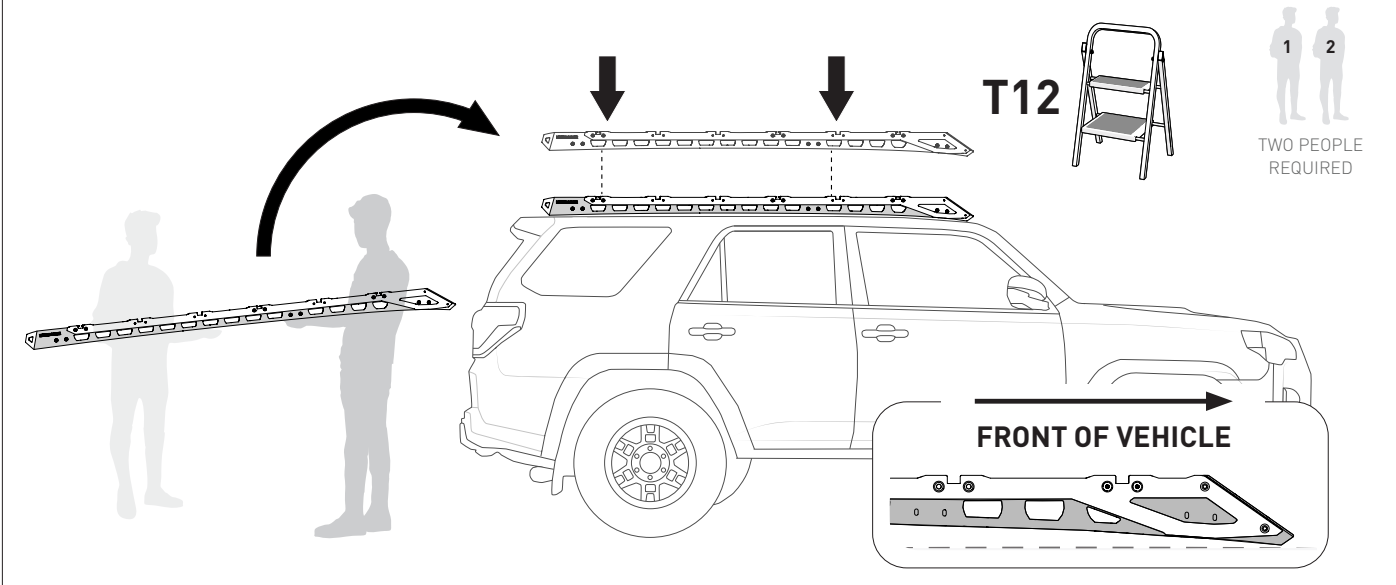
P3



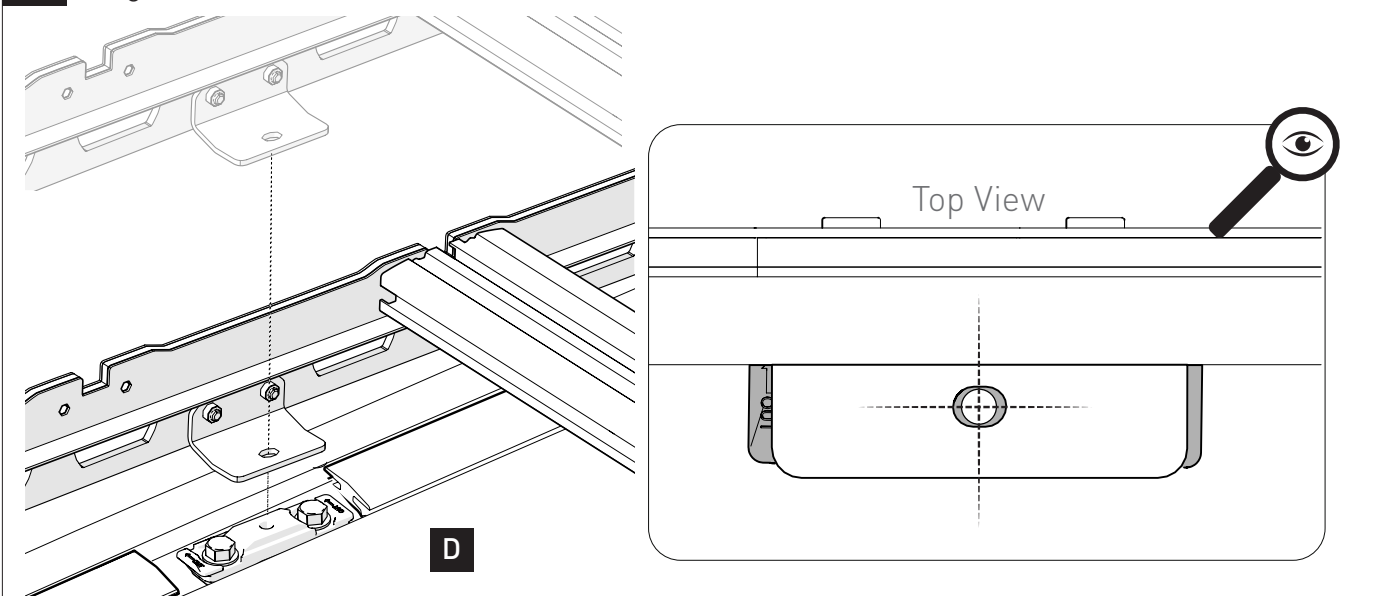
Installation

P3

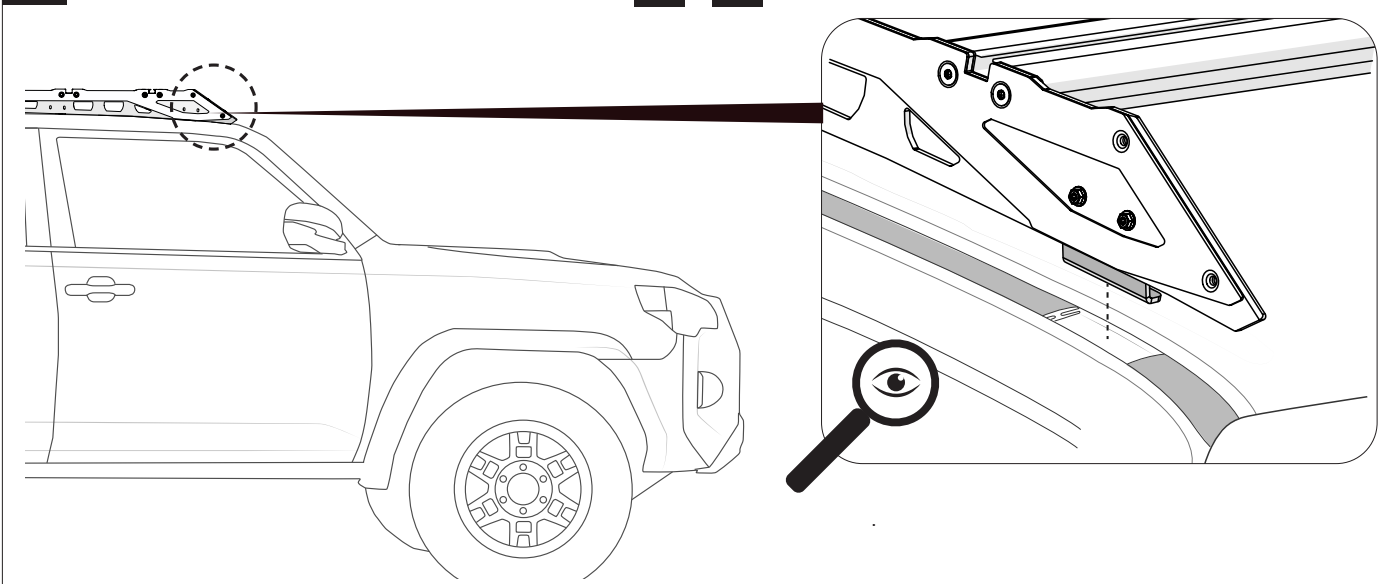
26 Lift Recon platform onto vehicle, Carefully placing feet on cast blocks installed in step 7 .



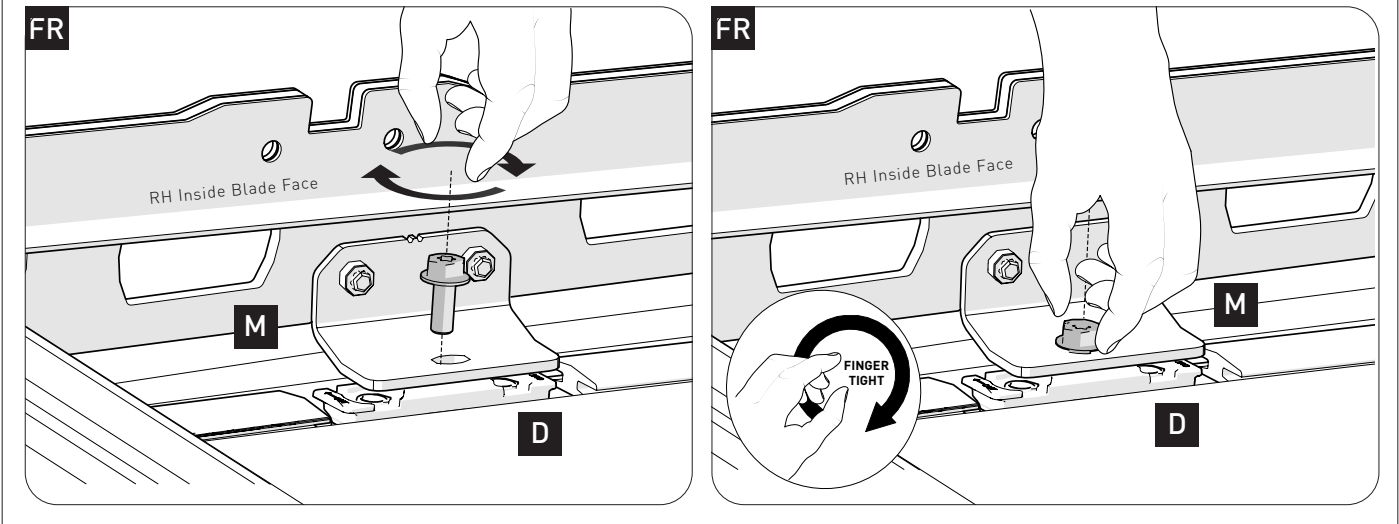
27 Align holes in feet to holes in cast blocks.



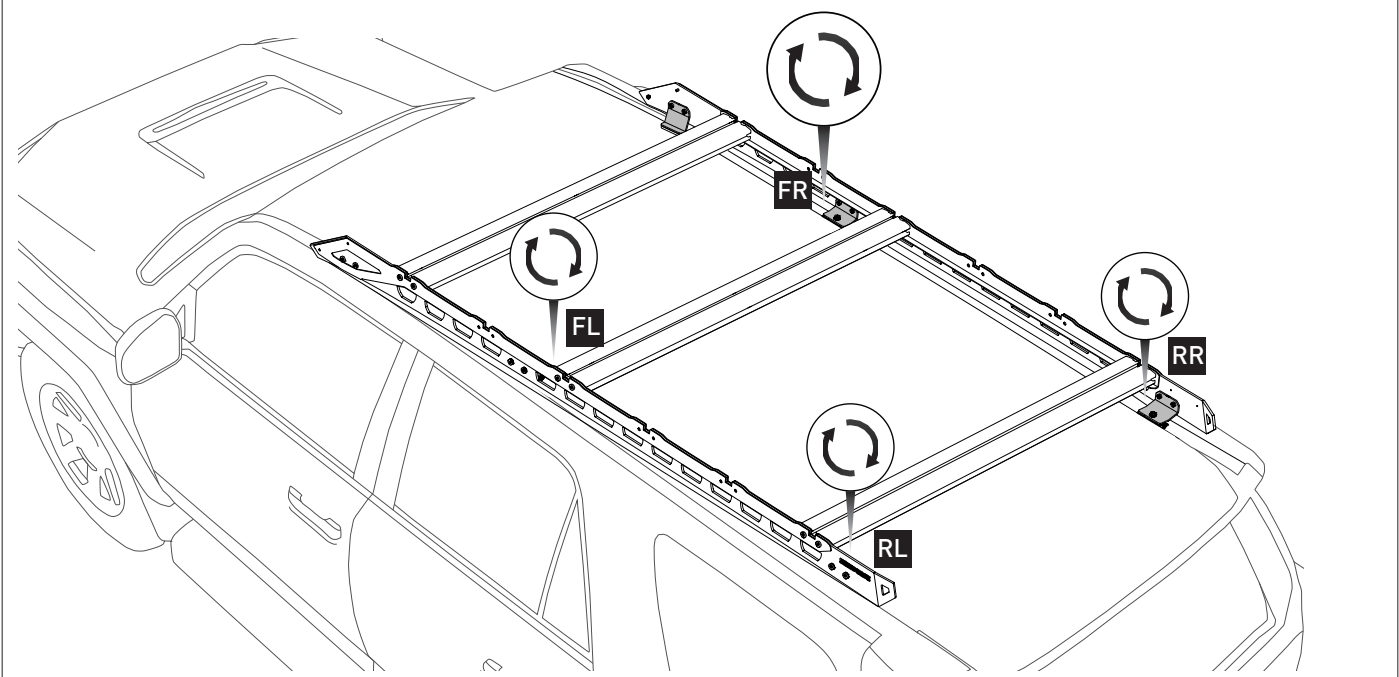
28 Front foot sits in gutter as seen in steps 9 - 13 .



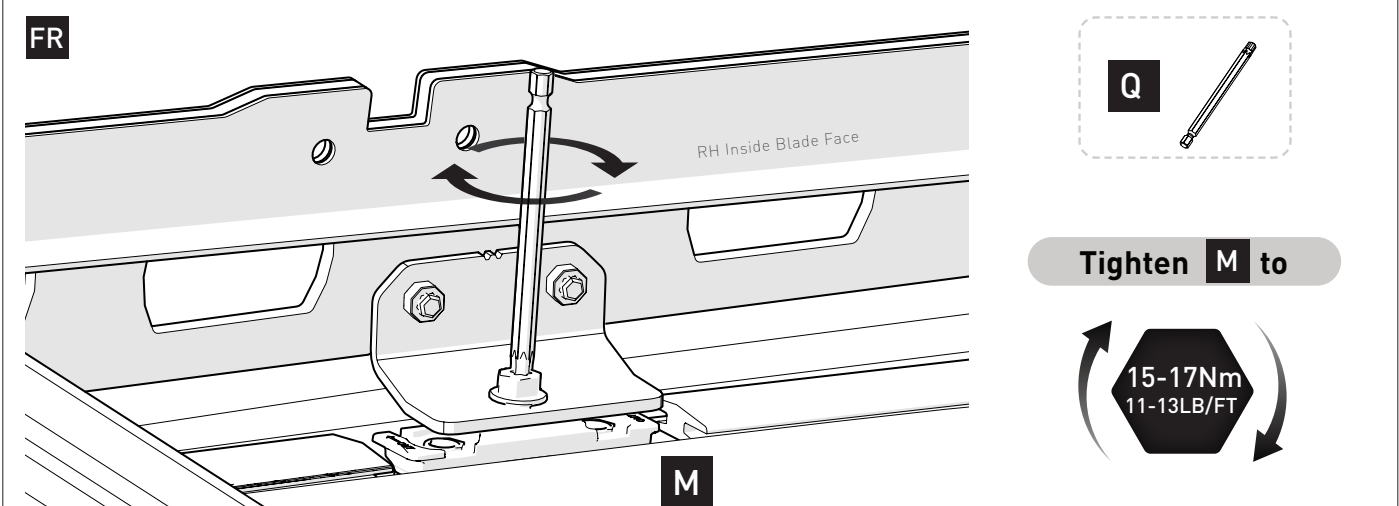
29 Finger tighten foot to the cast block installed in step **7**.



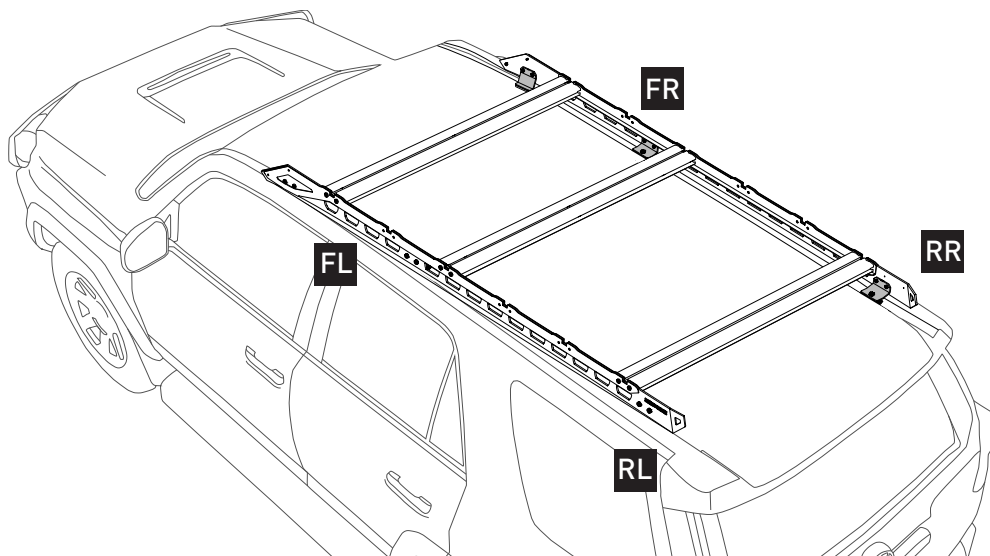
30 Repeat step **29** for the remaining **3 feet**.



31

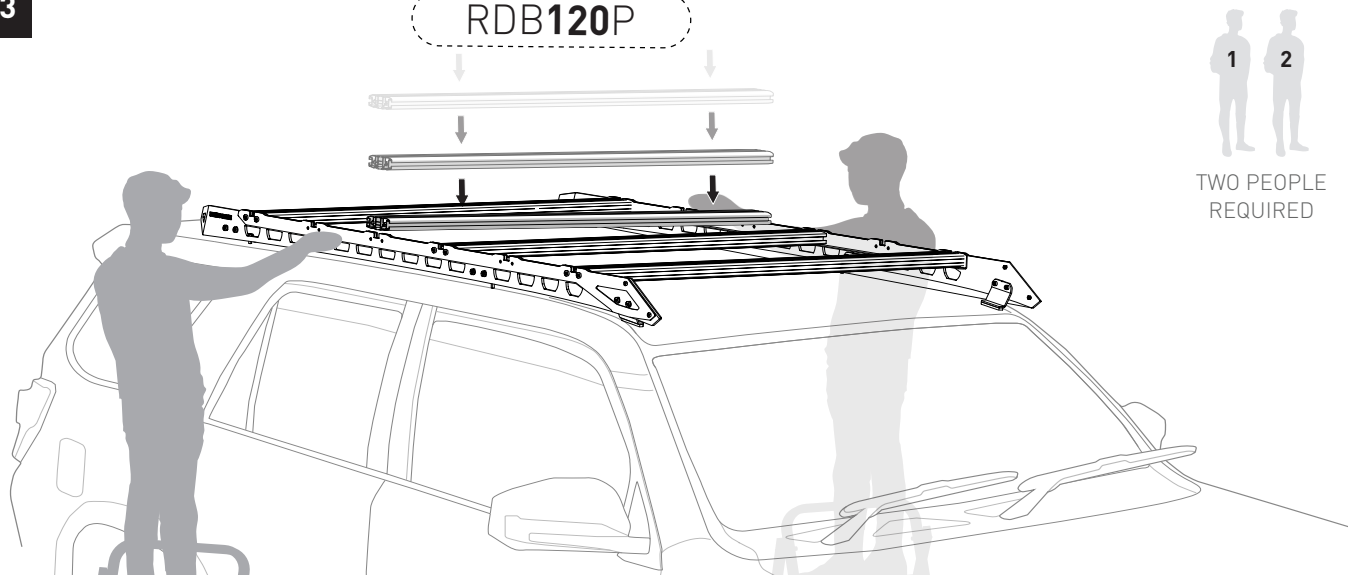


32 Repeat Step **31** for all remaining feet: Incrementally tighten **M** at all four leg locations.



33

RDB120P



34

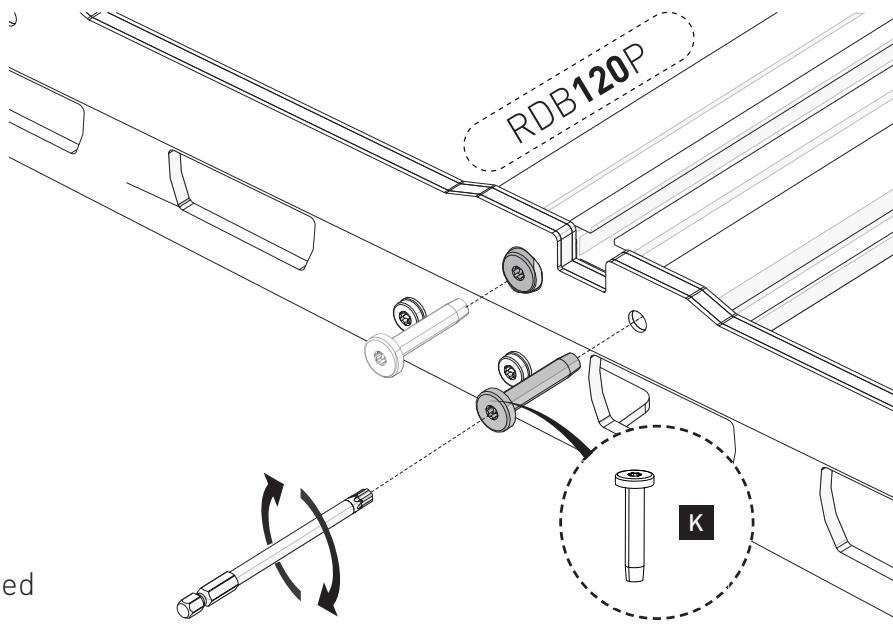


Tighten **K** to



NOTE

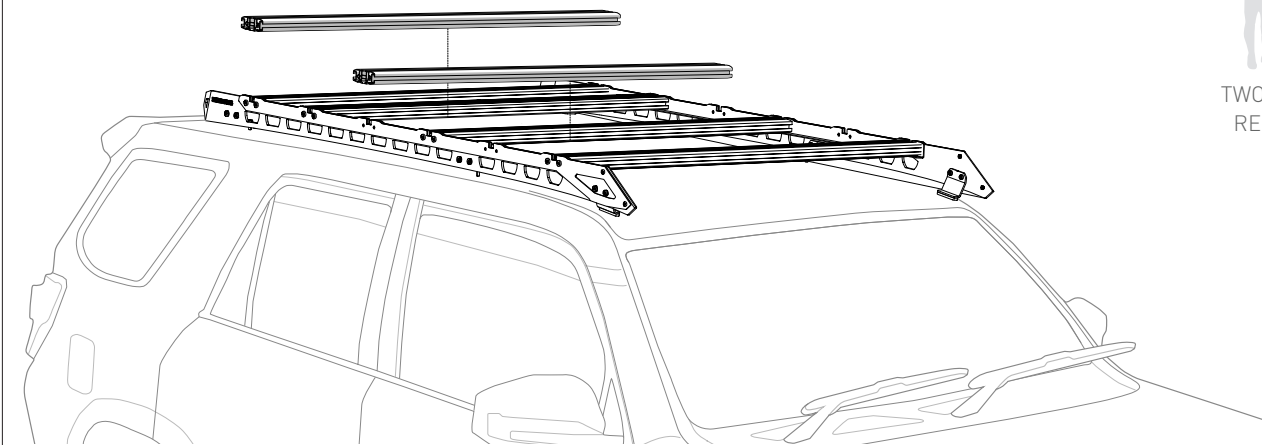
Other screws may need be loosened to fit **RDB120P** bars in position.



35 Repeat steps **33** & **34** on both sides for all **2** remaining **RDB120P** Bars.

RDB120P x2

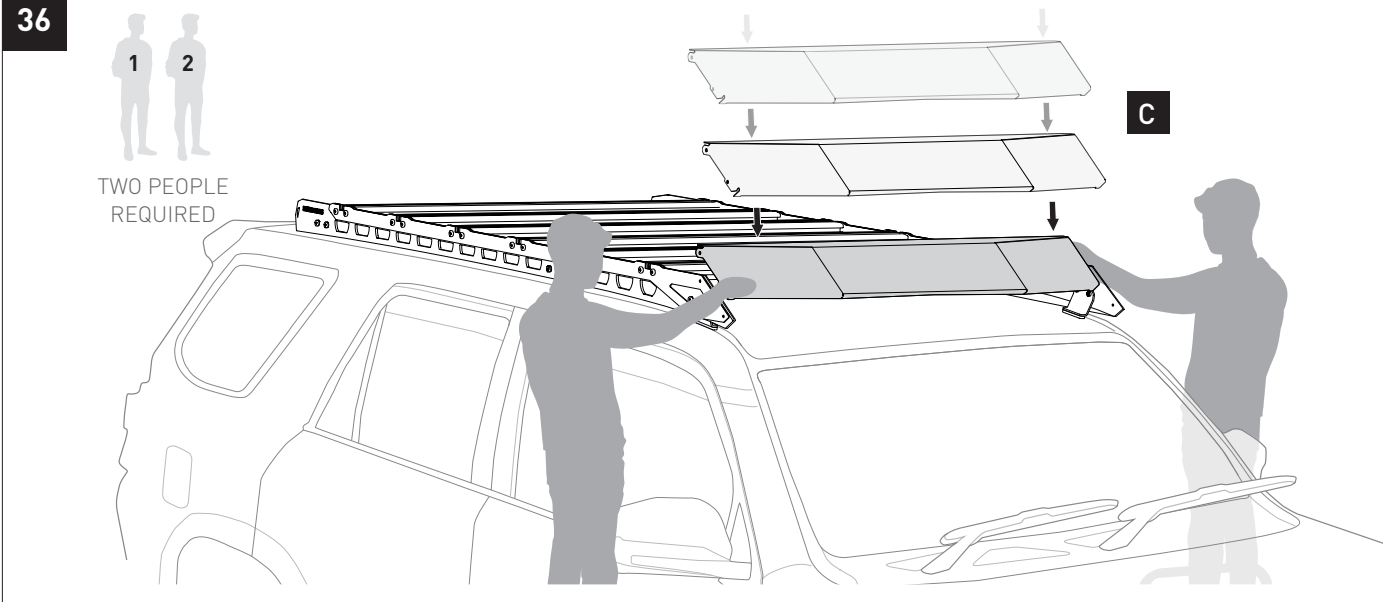
1 **2**
TWO PEOPLE
REQUIRED



36

1 **2**
TWO PEOPLE
REQUIRED

C



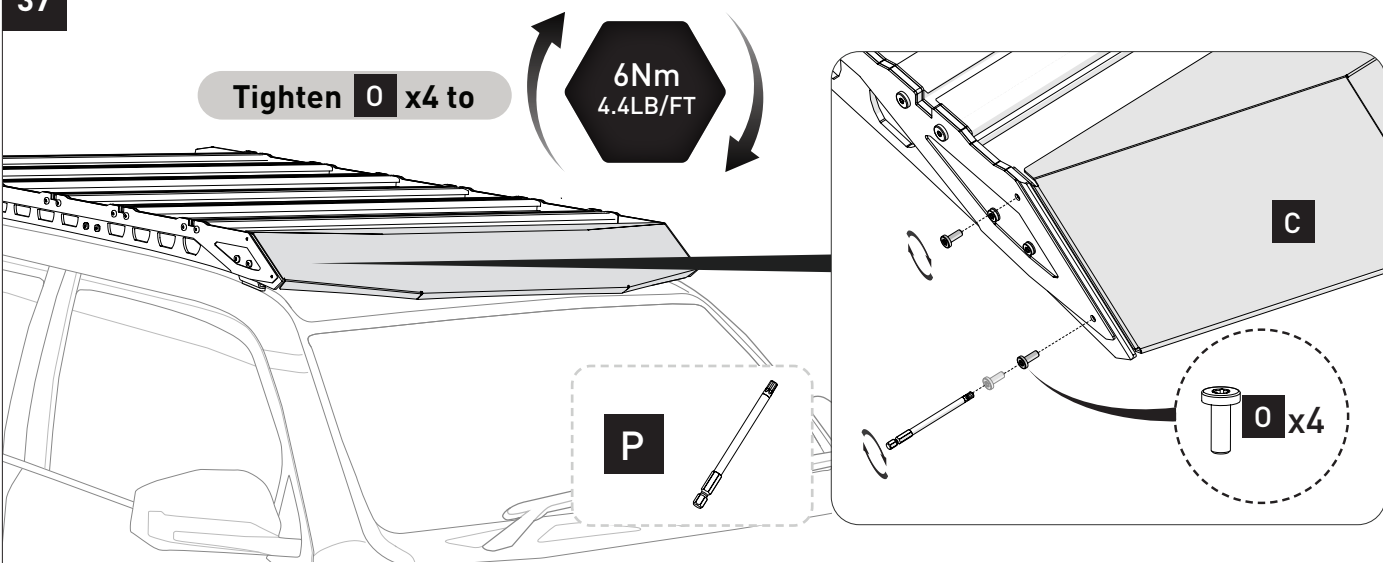
37

Tighten **O** x4 to

6Nm
4.4LB/FT

P

O x4



Installation Complete.

