

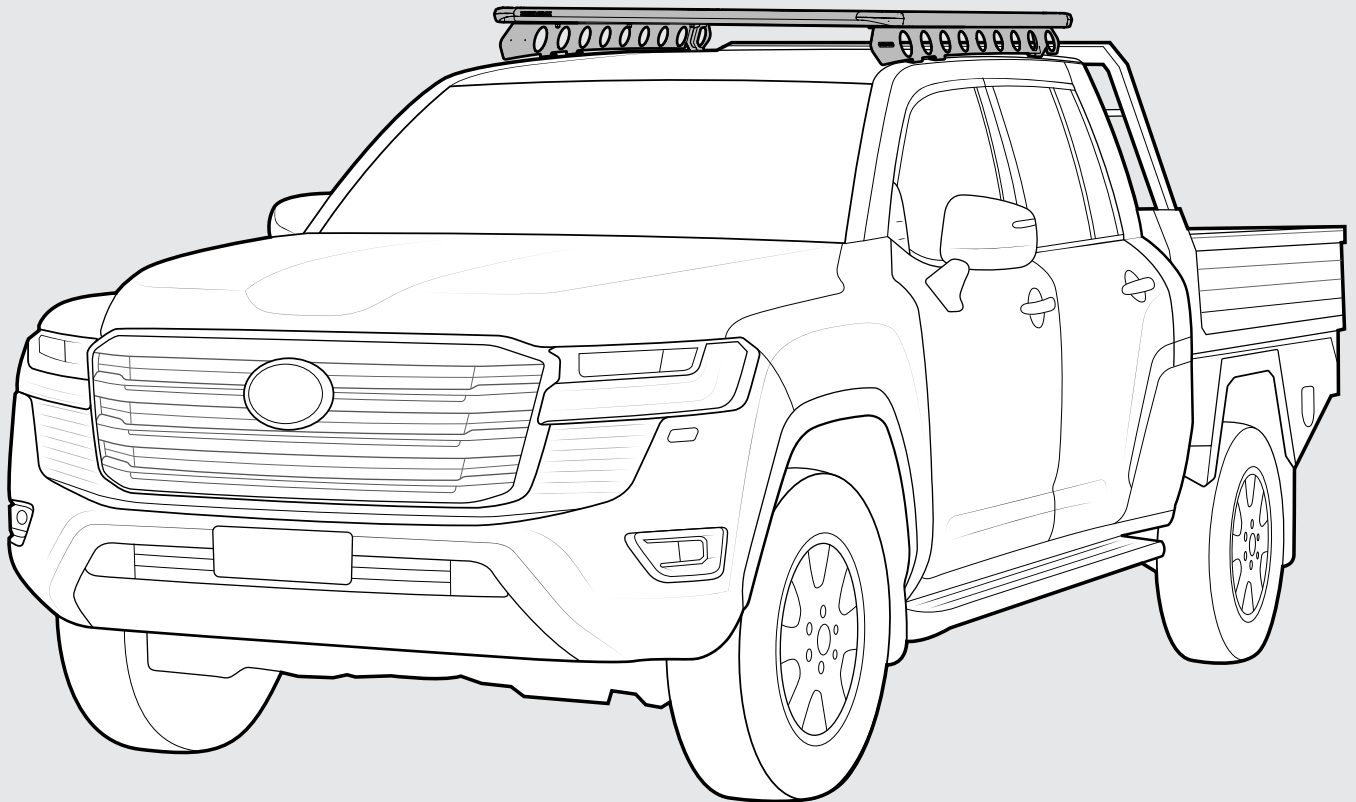
# RHINO-RACK®

## TOYOTA Landcruiser 300 Backbone - for Dual Cab Conversions RTL6

**Important:**

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

**Fit Time:** 2 hours



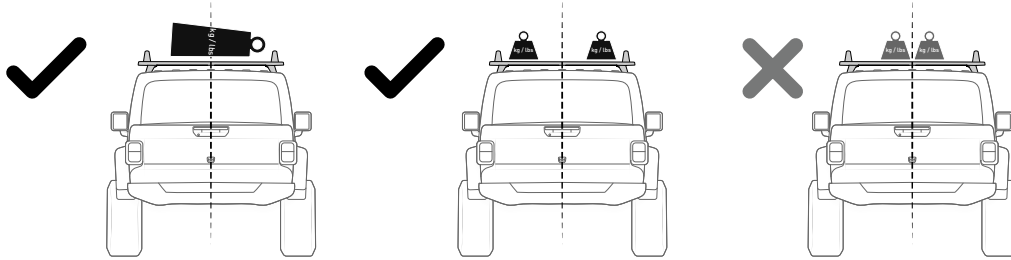
1 2 TWO PERSON  
INSTALLATION

**RHINORACK.COM**

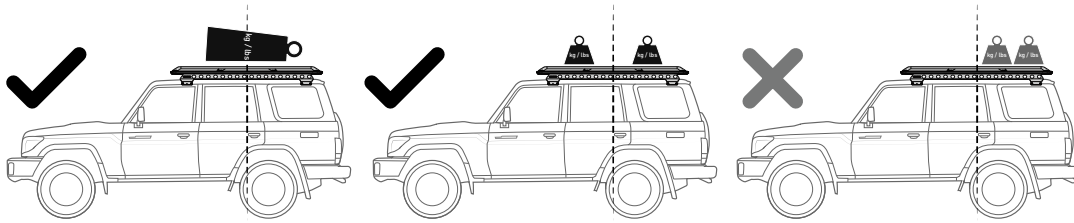
Document No: 520-RFI-00073

Issue No: 01

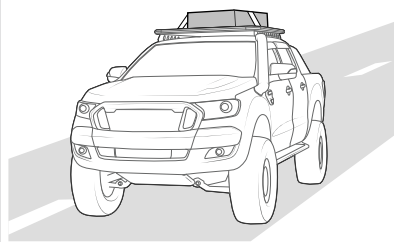
Issue Date: 11/01/2024



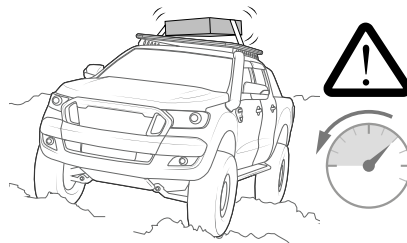
Distribute loads evenly and longitudinally as low as possible over the span.



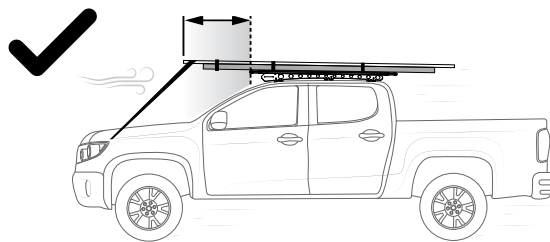
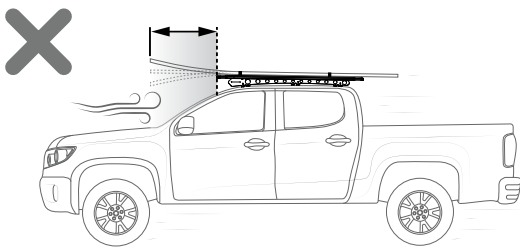
Avoid point loads concentrated at the front or rear.



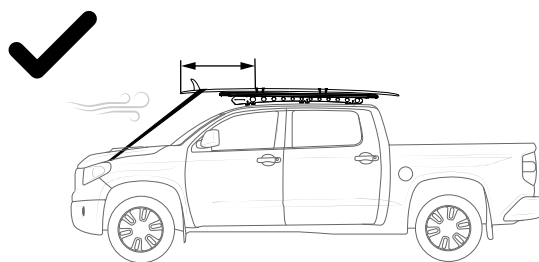
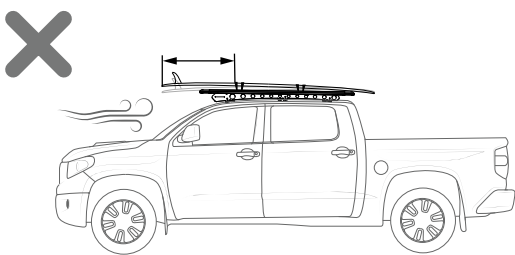
Exercise extreme care when transporting wind-resistant loads. Special consideration must be taken when cornering and braking.



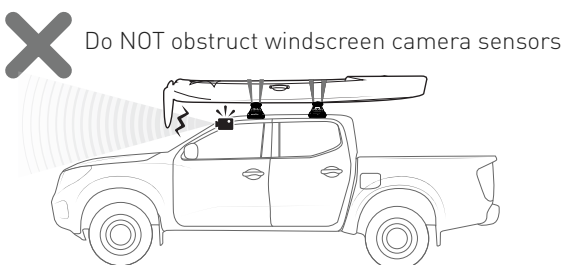
Off-road conditions can be much more rigorous. Extreme care must be taken on any driven path that does not contain a surface protection layer (tar/bitumen).



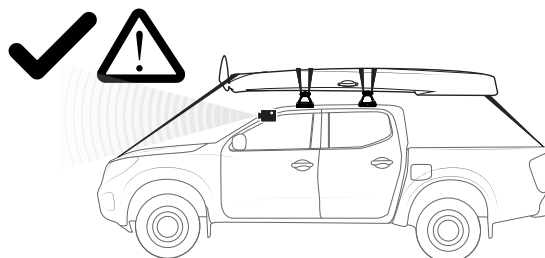
Long flexible loads must attach securely to rigid support and be tied down to the bonnet.



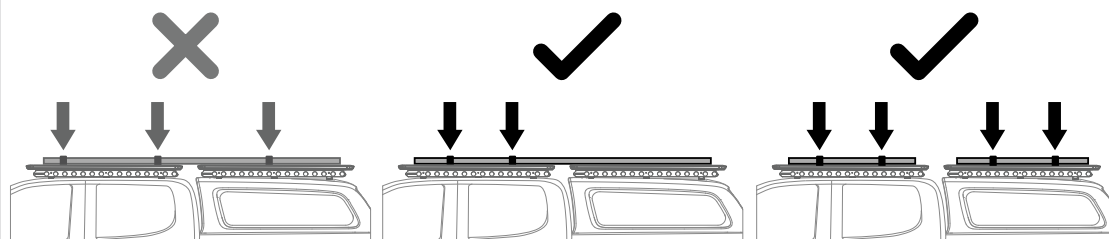
Surfboard Overhang greater than **600mm / 23 5/8in** must be tied to the bonnet



Do NOT obstruct windscreen camera sensors

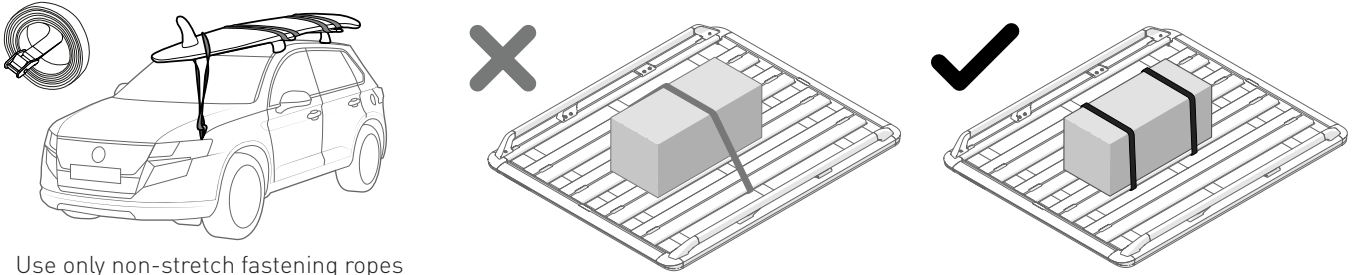
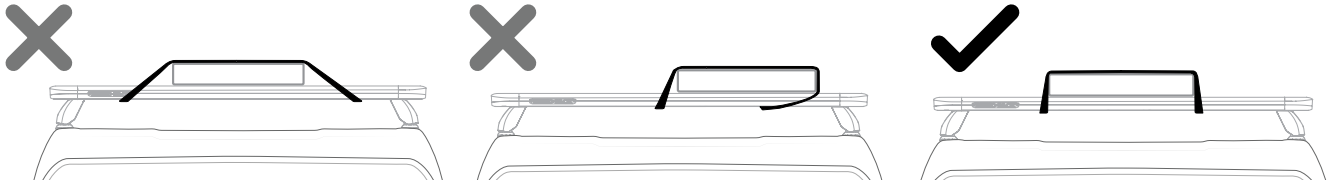


Warranty for roof rack system will be void if the front of the kayak is not secured to the bonnet

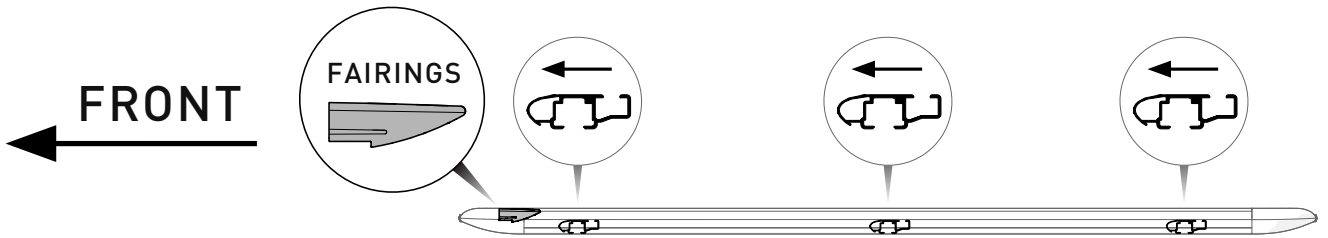
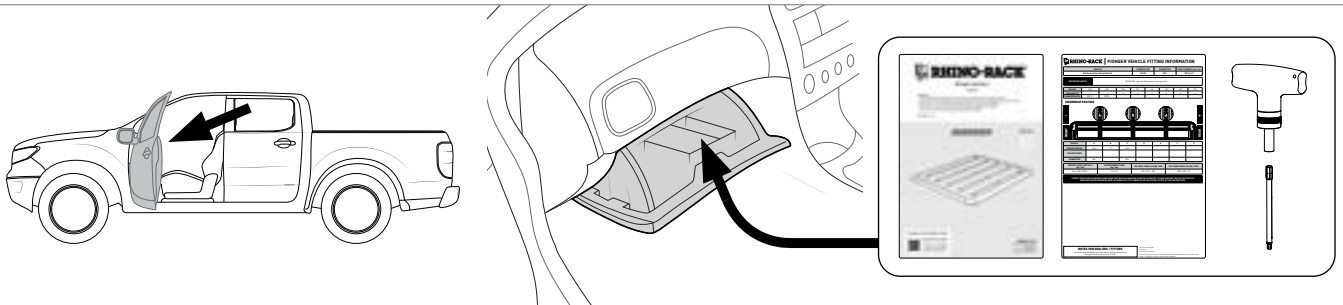
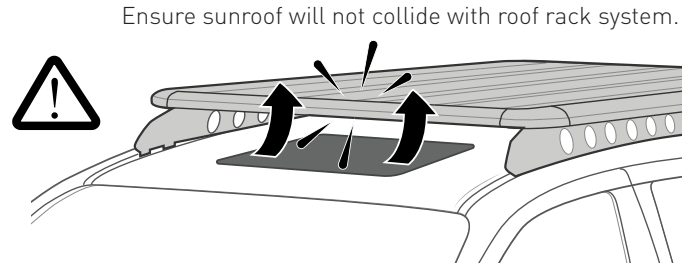
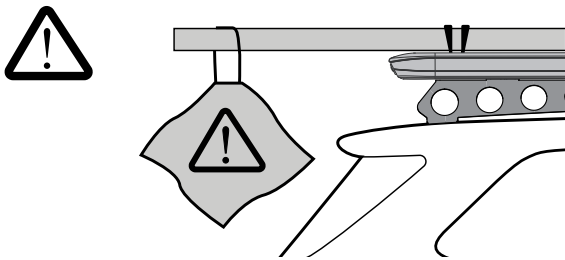
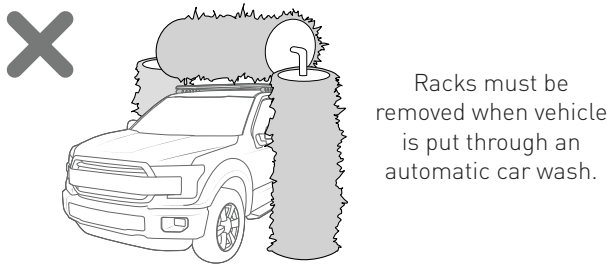


Tub/tray/canopy can move independently from the vehicle cabin.

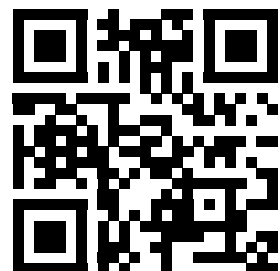
Rigidly fix to either the cabin roof racks **or** the tub/tray/canopy roof racks but not both simultaneously.



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

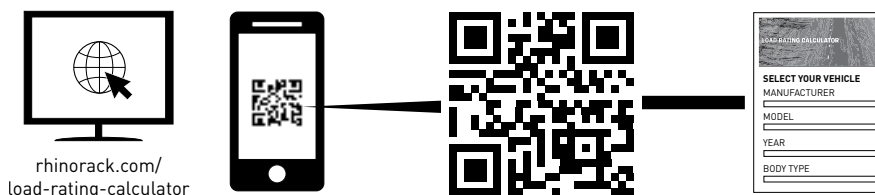


[Youtube.com/Rhinorackaustralia](https://www.youtube.com/Rhinorackaustralia)



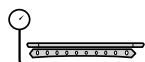
## Carrying Capacity

Check the website and the vehicle owners hand book for your vehicle manufacturer’s maximum carrying capacity. Load must be evenly distributed over the system.



### Cargo Load Limit

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



### System Weight

Total weight of the rack system. (e.g. 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/supplement.



### Vehicle Manufacturer’s Load Limit

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

## Warning

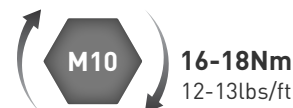
- Check part number or kit is correct for use with your vehicle.
- Do not attempt to fit the rack system to your vehicle unless you fully understand these fitting instructions. Please direct any questions regarding fitting to the dealer from where the roof racks were purchased.
- Off-road conditions can be much more rigorous. Extreme care must be taken on any driven path that does not contain a surface protection layer (tar/bitumen).
- Racks must be removed when vehicle is put through an automatic car wash.
- With utility/pick up vehicles, the cabin and the utility tray/truck bed move independently. Racks and vehicle can be damaged if the item transported is rigidly fixed at points on both the cabin and utility tray/truck bed. Instead, rigidly fix to either the utility tray/bed racks or the canopy roof racks.
- Always ensure you fasten your load securely.
- Use only non-stretch fastening ropes or straps to attach cargo to your load.

## 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:



## Note for Dealers and Fitters

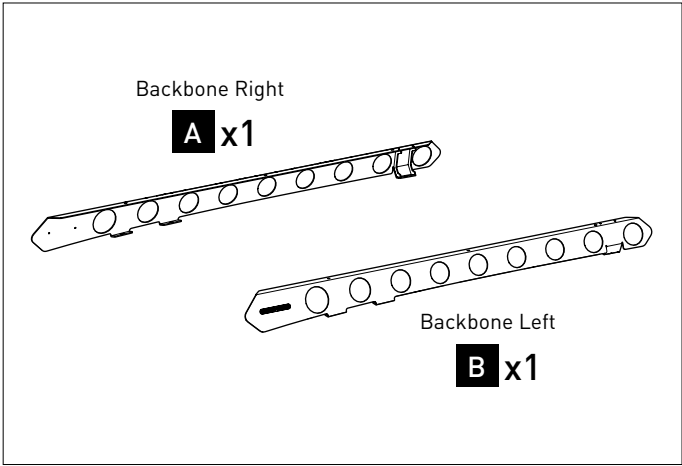
It is your responsibility to ensure these fitting instructions are given to the end user or client. These instructions remain the property of Rhino-Rack Australia Pty. Ltd. and may not be used or changed for any other purpose than intended.

## Warranty

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](http://www.rhinorack.com/warranty). This way, we can quickly help you with any future approved fitment warranty claims.

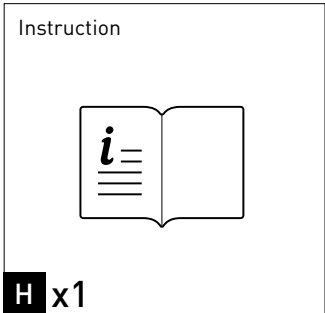
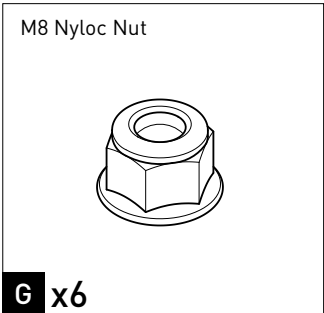
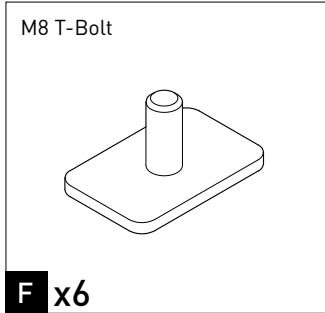
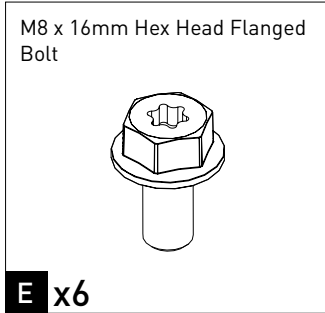
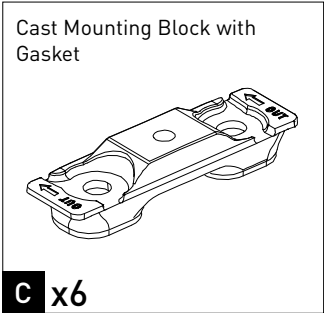
And remember – never to forget to **Make Space For Adventure!**

Parts List



TOOLS REQUIRED:

- T1 - Pointed Trim Tool
- T2 - Trim Tool
- T3 - 12mm Socket Wrench / Spanner
- T4 - 13mm Socket Wrench + Torque Wrench
- T5 - Cleaning Rag



CONTENTS:

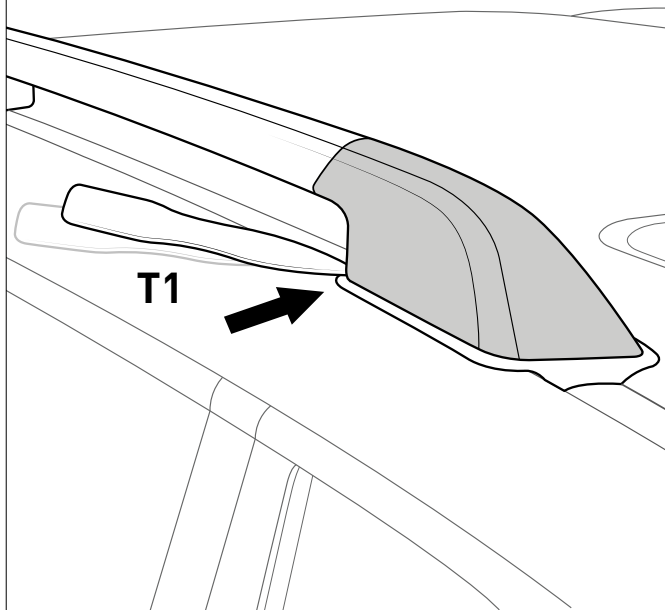
For **Factory Rail Variants**, complete Steps **1** - **4** and **7** - **13**

For **Bare Roof Variant**, complete Steps **5** - **13**

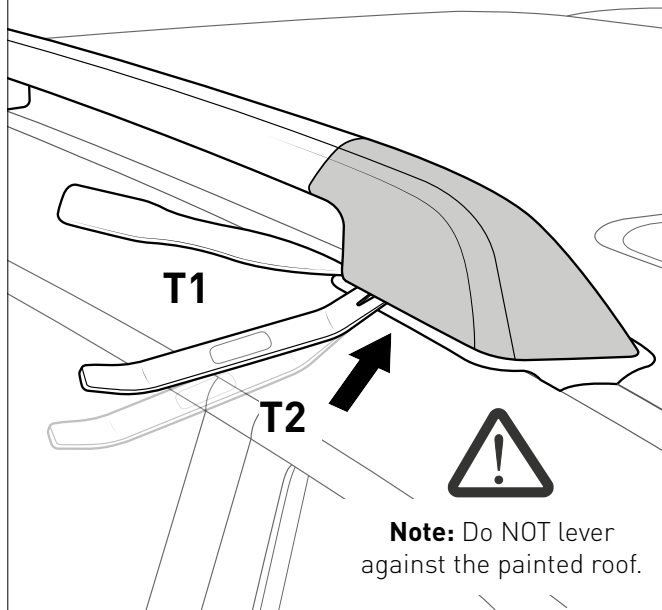
**FACTORY RAIL REMOVAL** (For **Bare Roof** Variant, skip to Step **5** )

**1**

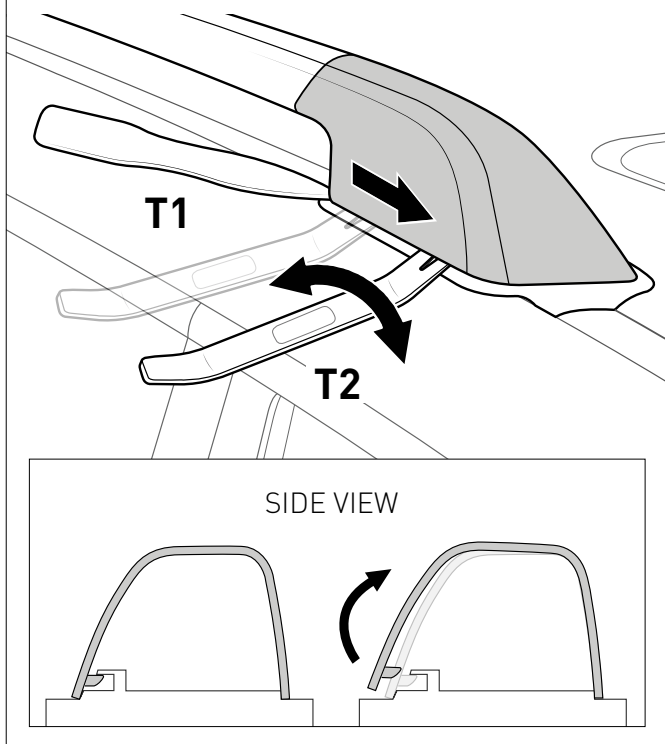
**1a** Press pointed trim tool into the gap between rail body and end cap, to create space for second trim tool.



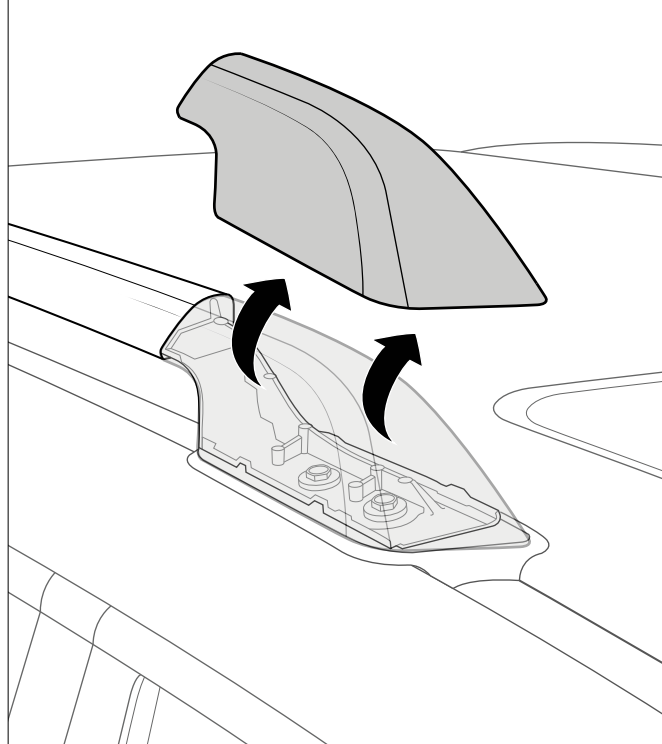
**1b** Slide a second trim tool between the rubber seal and end cap.



**1c** Slide the second trim tool **T2**, with a light rocking motion, towards the end of the rail until the internal clips release.

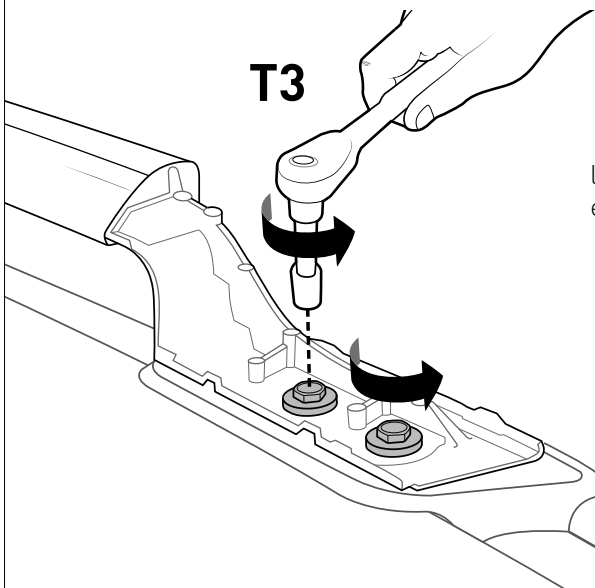


**1d** Roll and lift end cap to remove.



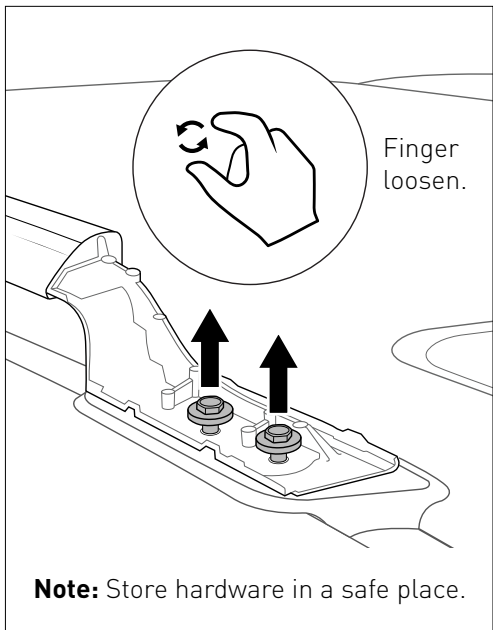
**2** Break both bolts loose, incrementally turning each a half turn at a time, until they are both loose enough to remove by hand.

**Repeat removal for rear rail bolts.**



Ensure both bolts are loose before removing either bolt completely.

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

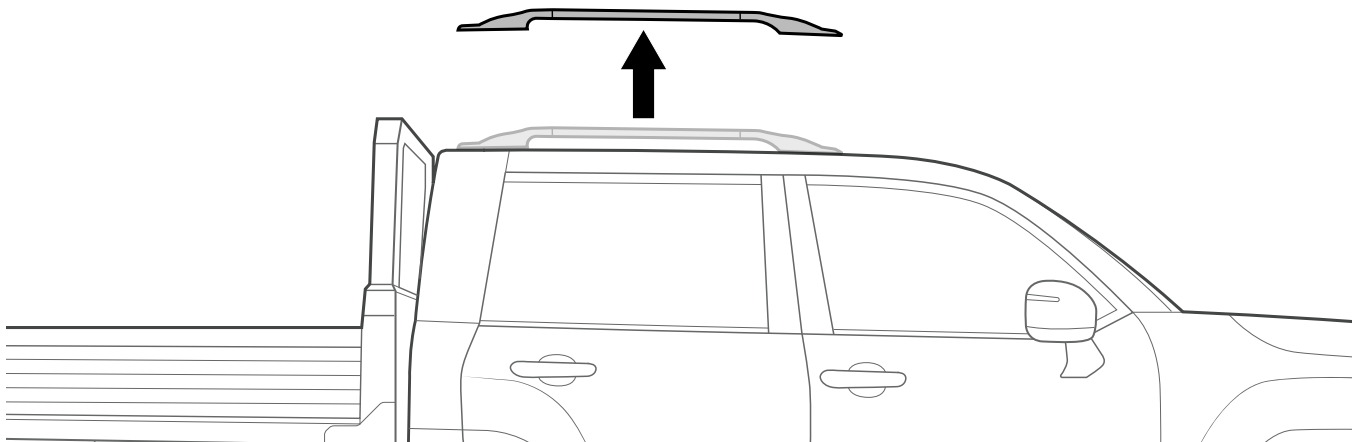


Finger loosen.

**Note:** Store hardware in a safe place.

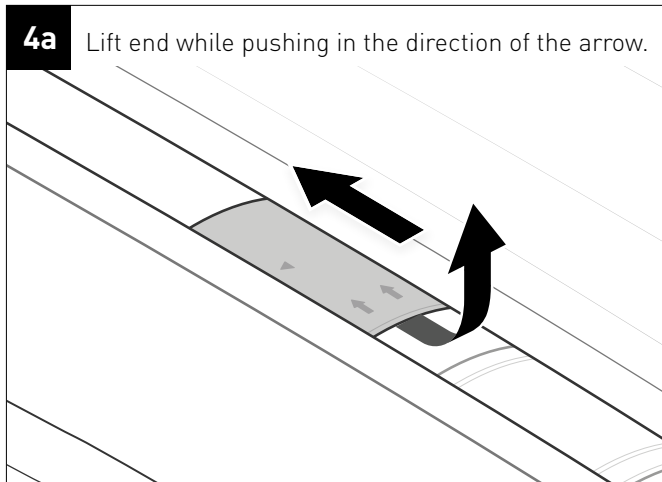
**3** Remove rail by lifting vertically.

**Note:** Store in a safe place.

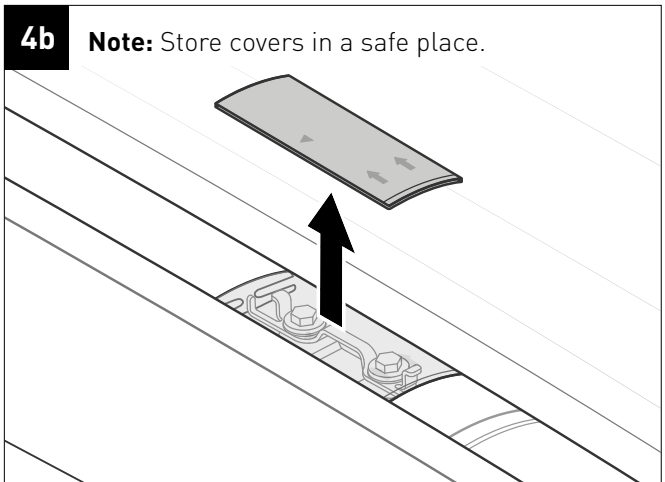


**4** Remove ALL plastic covers.

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

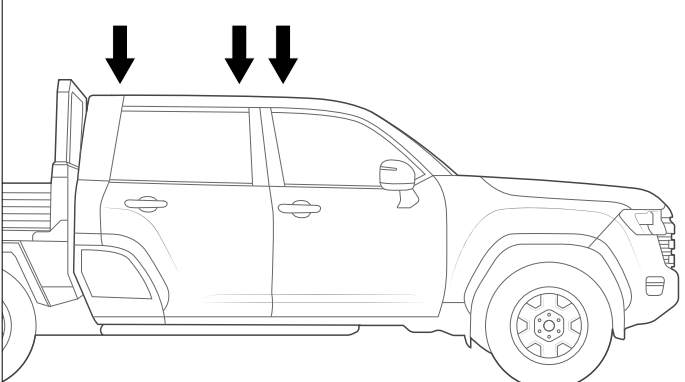


**4b** **Note:** Store covers in a safe place.



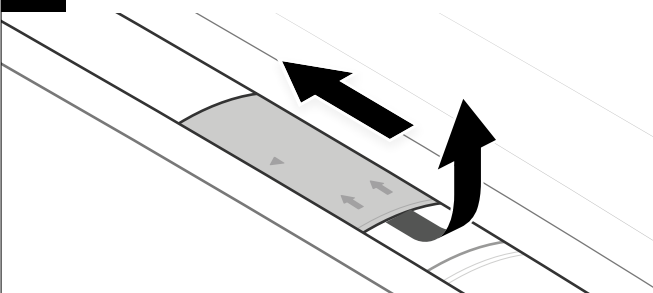
**BARE ROOF MOUNTING POINTS** (For Factory Rail Variant, skip to Step 6)

**5** Remove mounting point covers (three per side).

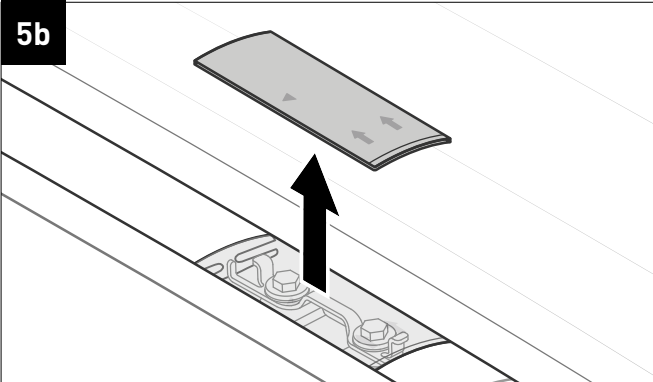


**Note:** Store covers in a safe place.

**5a** Lift end while pushing in the direction of the arrow.

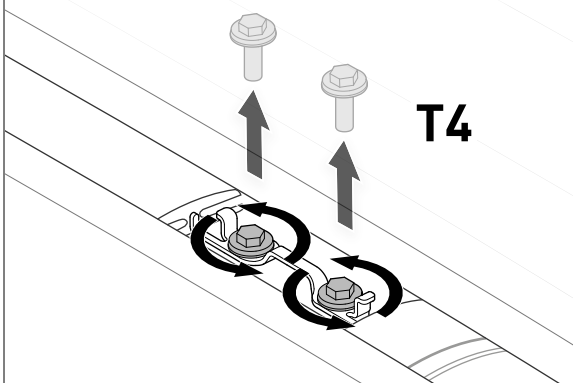


**5b**




**6** Remove factory bolts and hooks from selected mounting points. **Note:** Store hooks & hardware in a safe place.

**6a** Break both bolts loose, incrementally turning each a half turn at a time, until they are both loose enough to remove by hand.



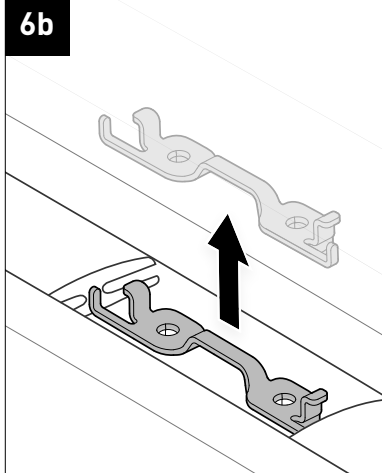
**T4**



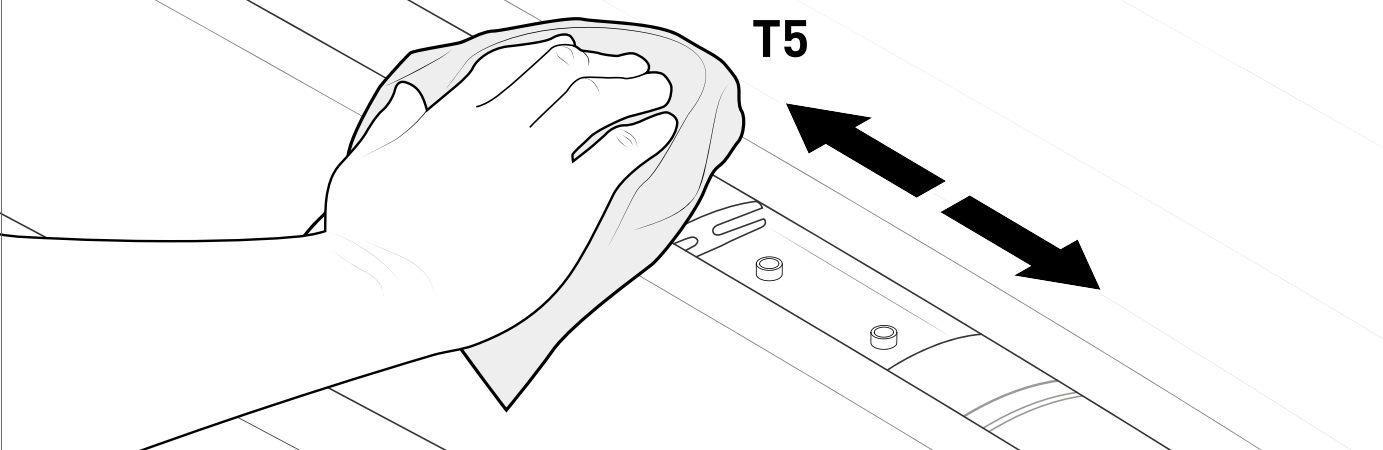
Ensure both bolts are loose before removing either bolt completely.

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

**6b**



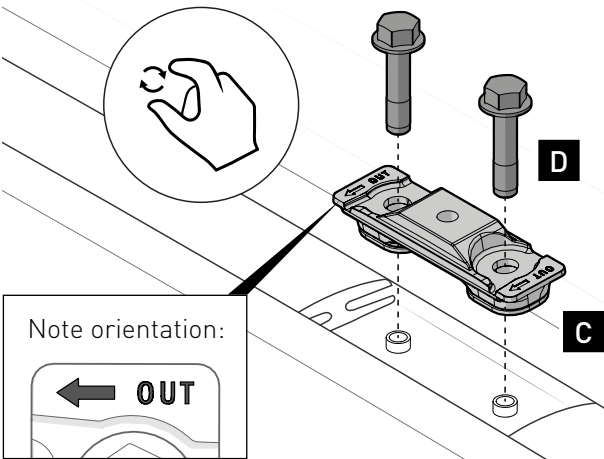
**7** Clean the exposed ditch areas.



**T5**

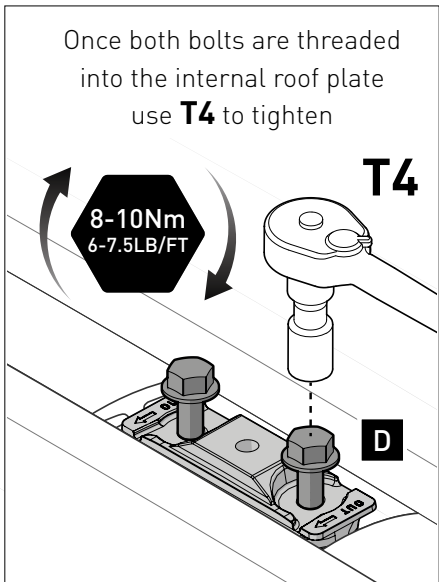


**8** Assemble mounting blocks (3 per side) with supplied flanged bolts. Insert both bolts simultaneously and gently into the internal roof plate and finger tighten.



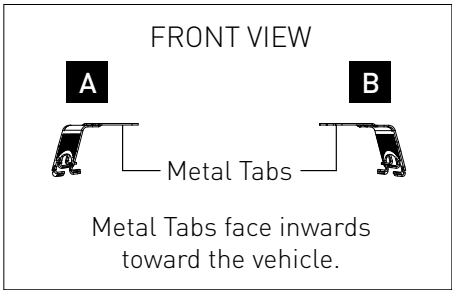
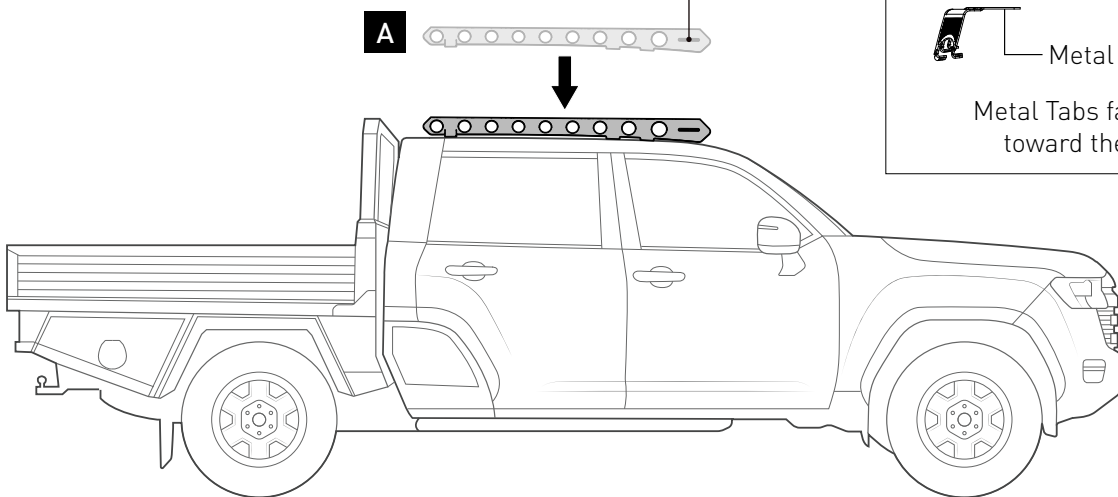
Ensure both bolts are inserted by hand before using **T4** to tighten.

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

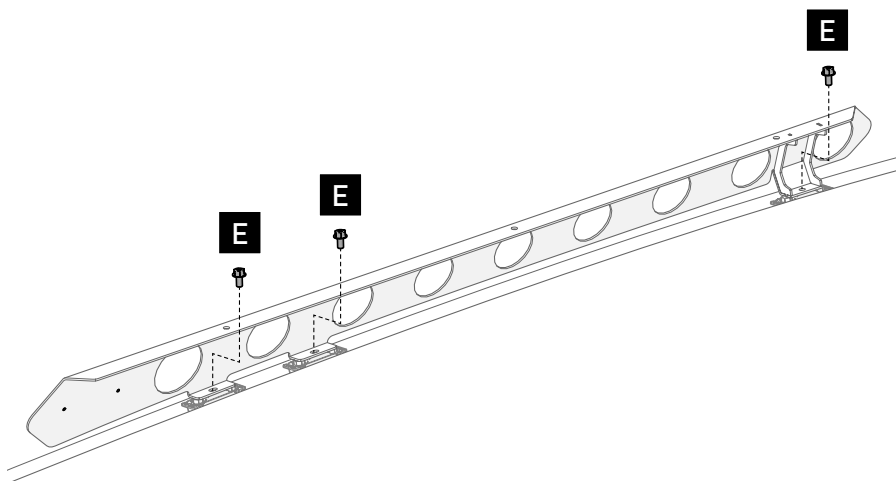


**9**

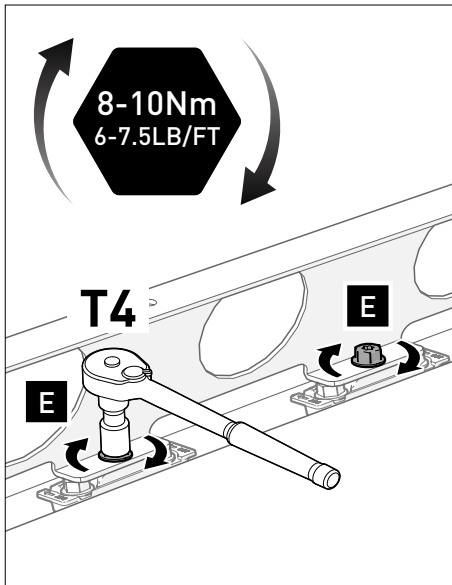
**Note:** Rhino Rack Badge indicates the front end of the backbone.



**10** **Note:** Ensure backbones are securely positioned and fastened before attaching Pioneer Tray.

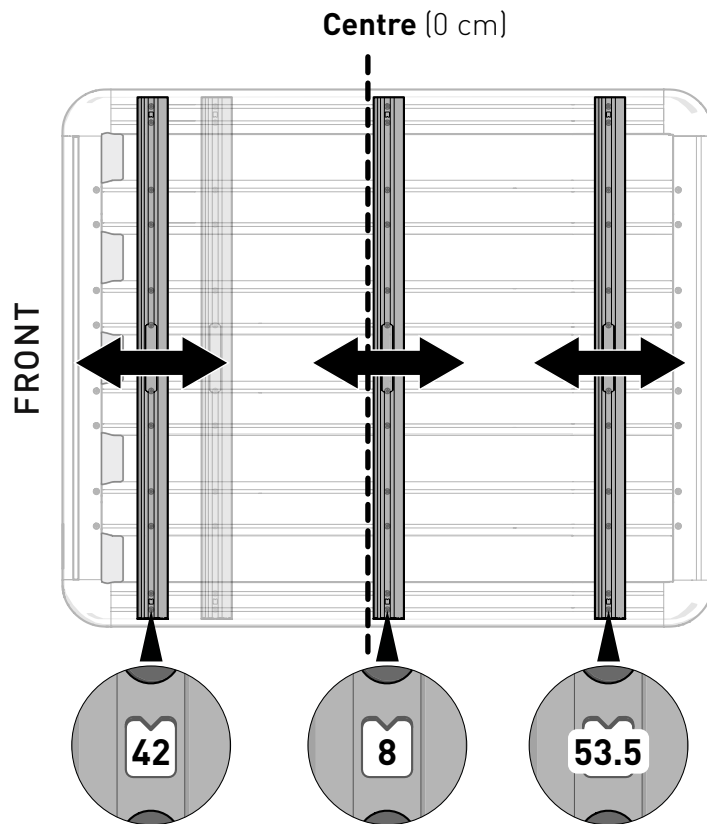


Repeat Steps **1** to **10** to opposite side of vehicle.

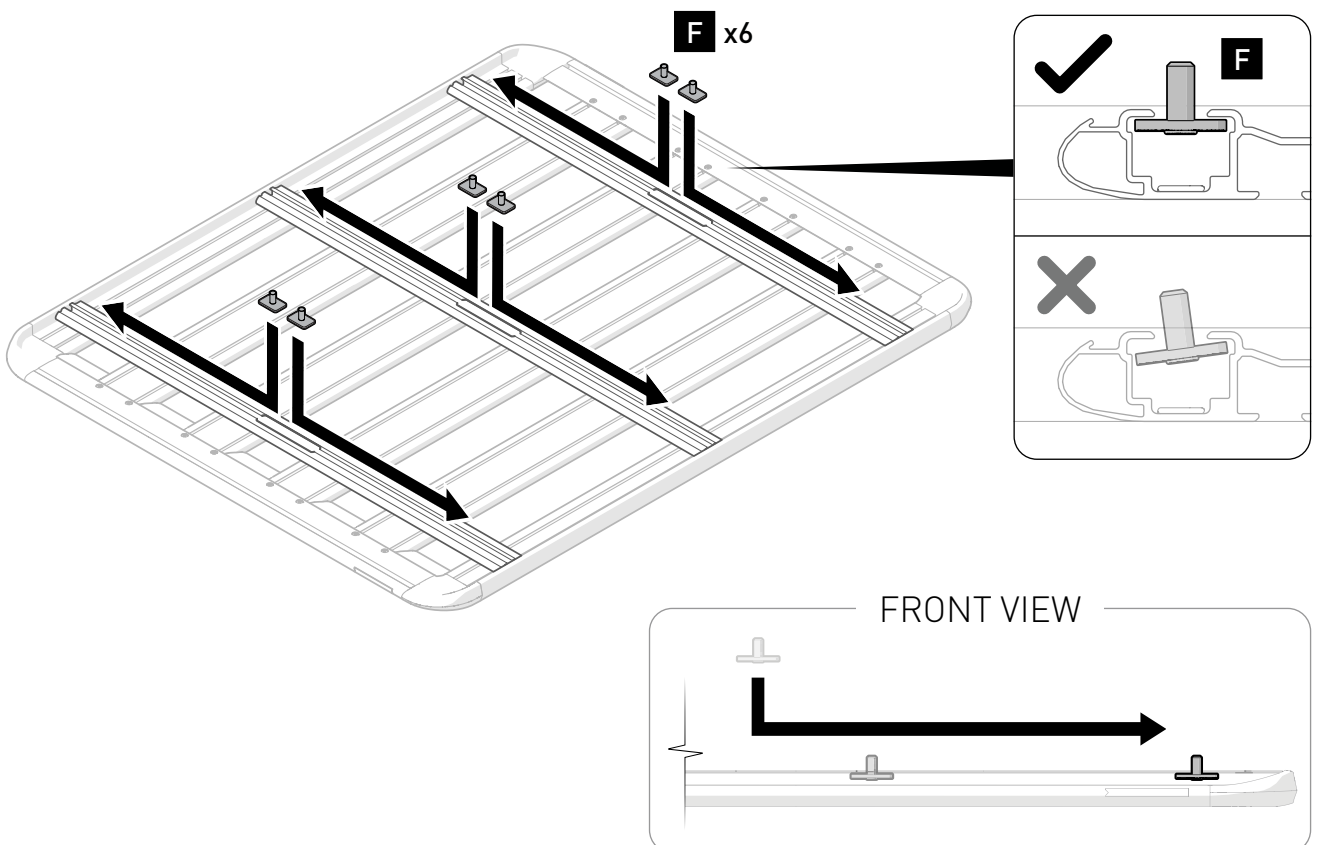


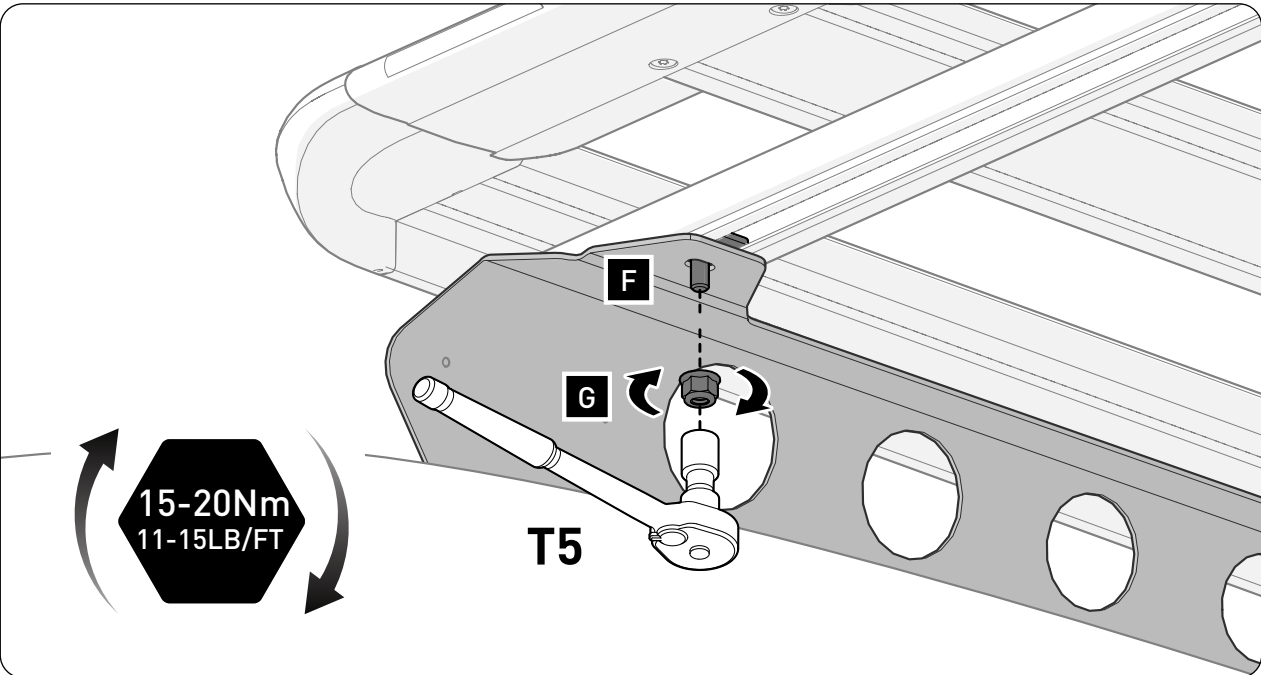
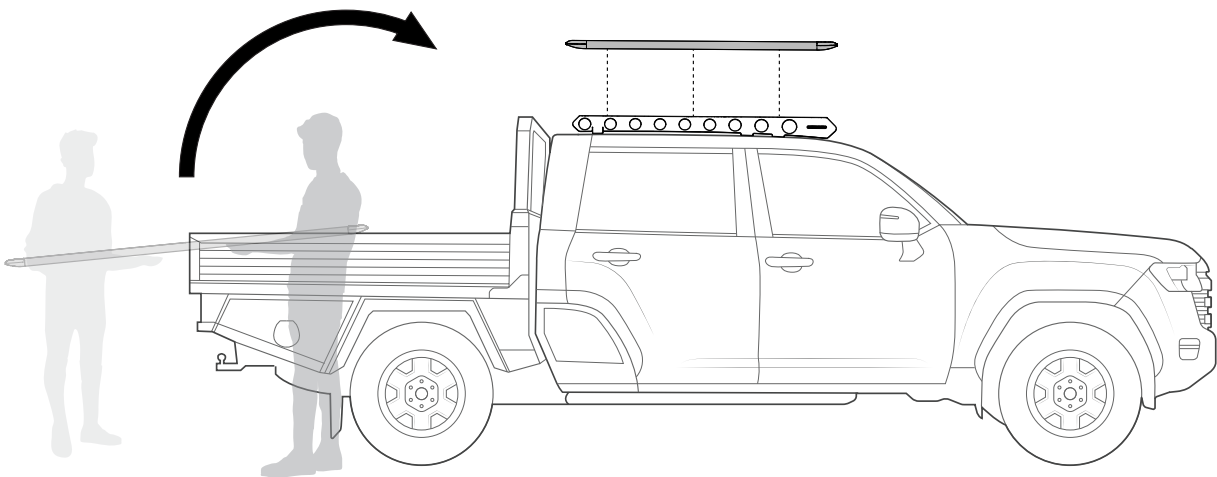
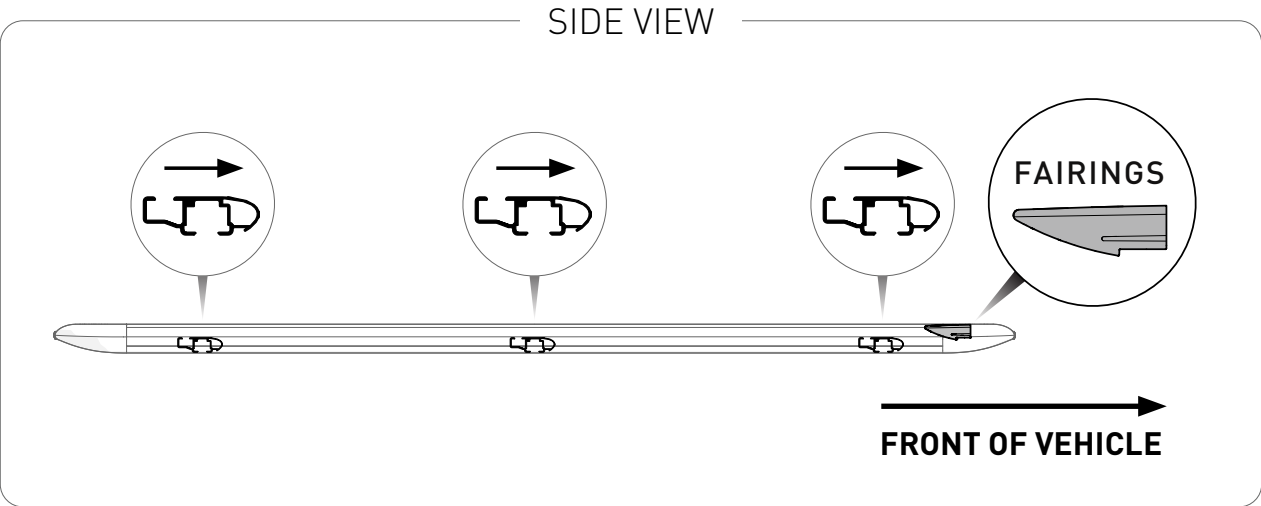
# PIONEER PLATFORM INSTALLATION *Refer to Pioneer Instructions*

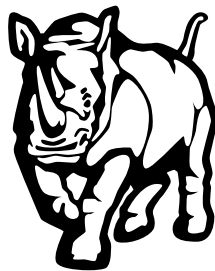
**11** Refer to Pioneer Installation instructions and fix the underbars to the below measurements  
**PIONEER PLATFORM: 62113 (1500 x 1430mm)**



**12**







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