

OCCAM

4X4
ACCESSORIES

INSTALLATION INSTRUCTIONS



SKU: RR2-LC300

Vehicle Compatibility: TOYOTA Land

Cruiser 300 series 2021+

Installation Time: 1.5 hours

IMPORTANT INFORMATION

- Always wear safety glasses and hearing protection.
- Make sure the work area is kept clean at all times.
- Check that all components, as listed, are present.
- Thoroughly read all instructions.
- This product or its fasteners must not be modified in any way.
- These instructions are accurate at the revision date and do not take into account any changes made by the vehicle manufacturer to vehicle design after the revision date, or other accessories that are or have been fitted to the vehicle.
- It is the responsibility of the installer to confirm correct operation/clearance of all components.
- All holes drilled must have all burrs and swarf removed, then coated with a suitable rust preventative paint.
- Ensure that all hardware is fastened to torque specifications as detailed in the instructions.
- On completion of the job, these instructions are to be given to the customer.

PRODUCT CARE

- To maintain the appearance of the product, wash and dry regularly using a quality car wash.
- The product fixings should be periodically checked for correct torque.

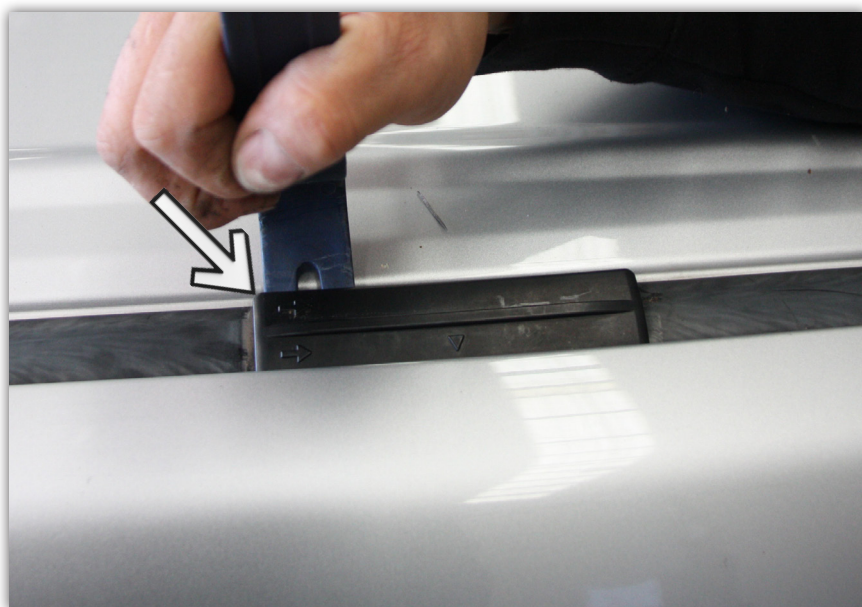
Torque Settings		
BOLT SIZE (mm)	TORQUE (Nm)	TORQUE (ft. lb)
M5	7	5
M6	11.8	8.7
M8	28.8	21.3
M10	57.5	42.3
M12	99.8	73.7

Item	Description	QTY
1	Platform	1
2	LH Roof rail	1
3	RH Roof rail	1
4	Front mount bracket	2
5	Middle mount bracket	2
6	Rear mount bracket	2
7	Rubber gasket	6
8	Wind deflector	1
9	Double T-bolt	6
10	T-bolt	3
11	M8x30 Button head bolt	12
12	M8x20 Button head bolt	6
13	M6x20 Button head bolt	2
14	M8 Spring washer	12
15	M8 Flat washer	24
16	M6 Flat washer	4
17	M8 Flared nyloc nut	15
18	M8 Nyloc nut	6
19	M6 Nyloc nut	2
20	Plastic cap	2

Tools Required			
12mm socket	10mm socket	13mm open end spanner	10mm spanner
4mm Allen key/hex bit	5mm Allen key/hex bit	Trim tool	Sealant

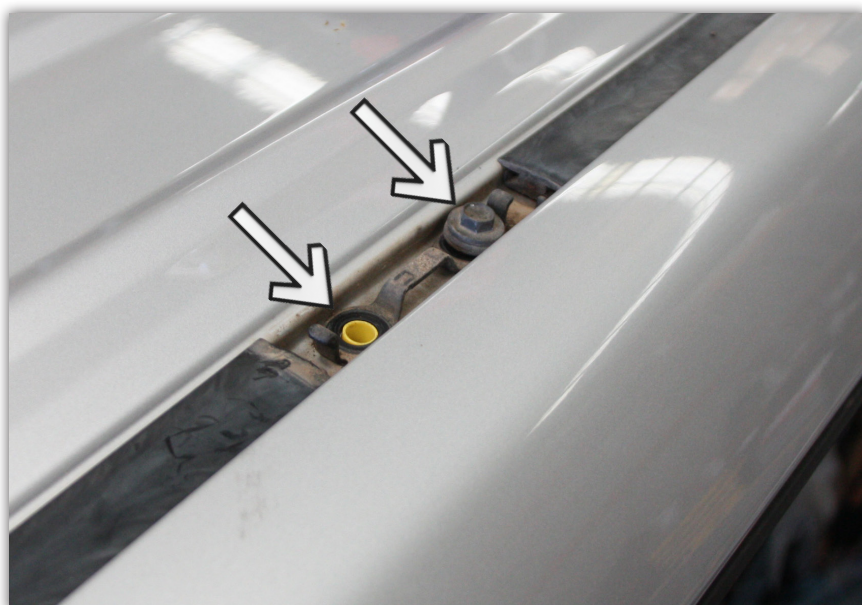


Roof rack mount point locations are referred to throughout guide below.



For vehicles without factory roof rails.

1. Remove 3x caps from roof channel trims. Mount points #1, #2, #3.



2. Use 12mm socket to remove 6x bolts and 3x factory brackets from mount point #1, #2, #3.

NOTE: Loosen all bolts before removing to prevent internal retaining plates from dislodging.



For vehicles with factory roof rails.

1. Remove roof rail front trim cover. Insert trim tool under bottom edge of cover to release clips. Lift the front end first and slide it toward the front to remove. Mount point #1.

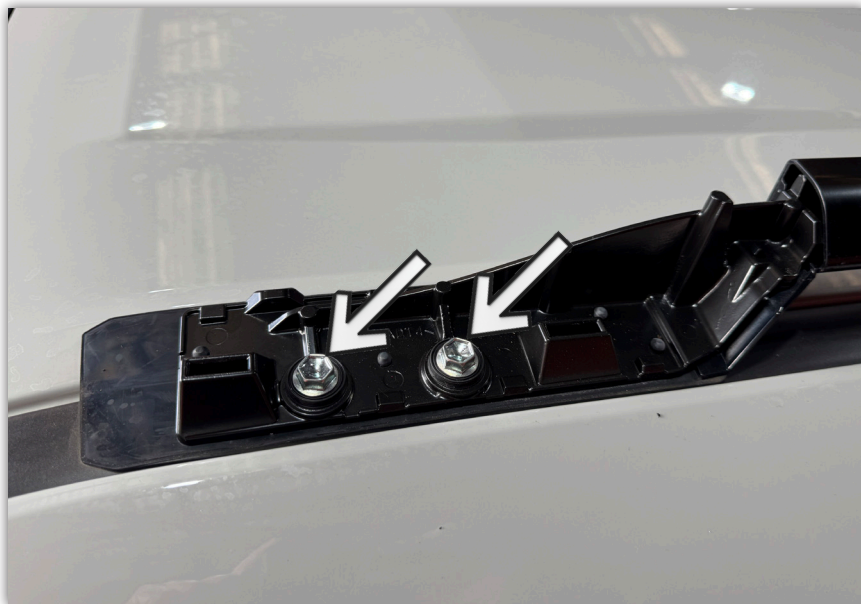


2. Use 12mm socket to remove 2x bolts. Mount point #1.

NOTE: Loosen all bolts before removing to prevent internal retaining plates from dislodging.



3. Remove roof rail rear trim cover. Insert trim tool under bottom edge of cover to release clips. Lift the rear end first and it slide toward the rear to remove. Mount point #3.

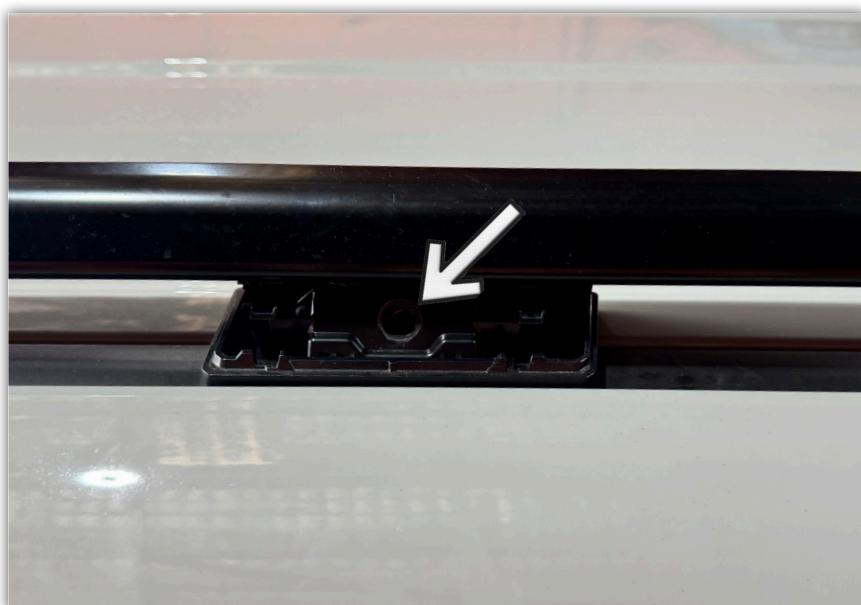


4. Use 12mm socket to remove 2x bolts. Mount point #3.

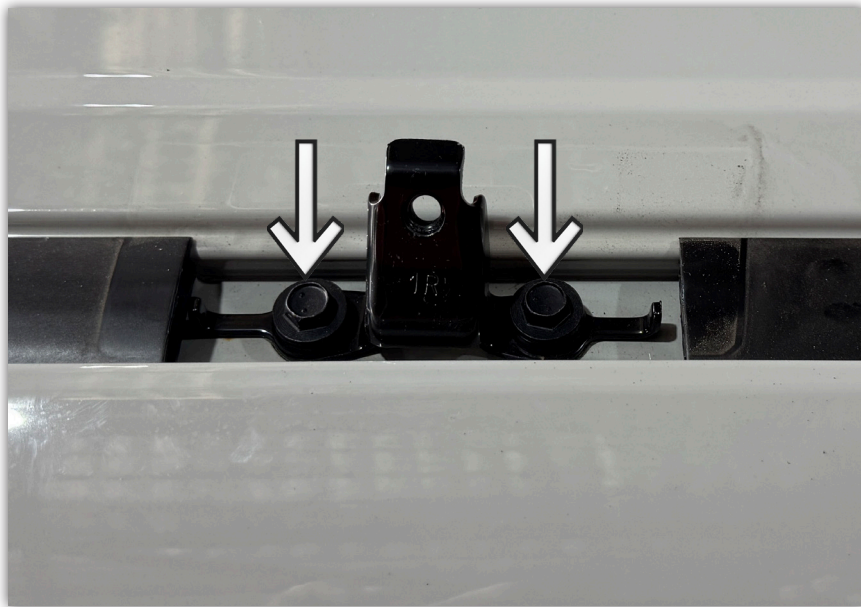
NOTE: Loosen all bolts before removing to prevent internal retaining plates from dislodging.



5. Remove middle roof rail cover. Insert trim tool under inner edge on both sides to release clips and slide outwards to remove. Mount point #2.



6. Use 12mm socket to remove bolt from middle mount and remove roof rail. Mount point #2.



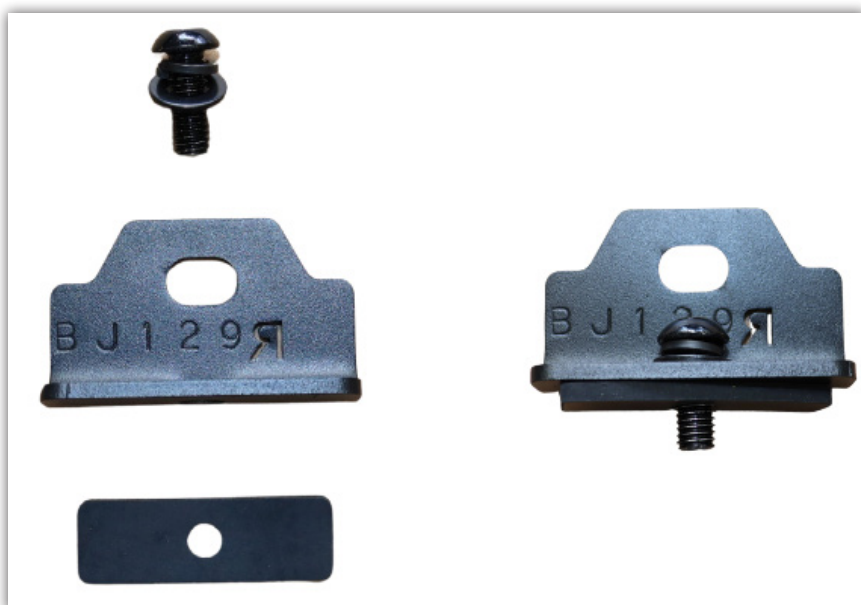
- Use 10mm socket to remove 2x bolts and factory bracket. Mount point #2.

NOTE: Loosen all bolts before removing to prevent internal retaining plates from dislodging.



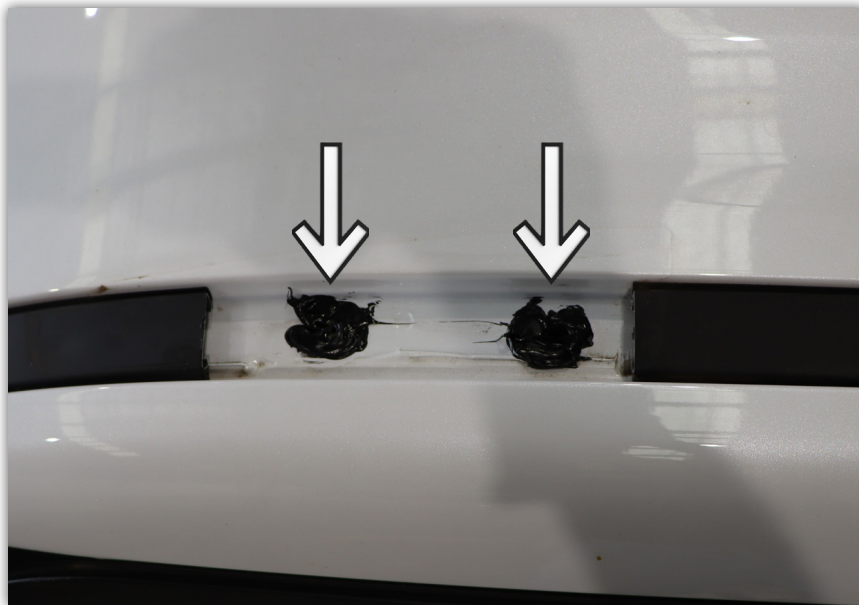
For all vehicles.

- Clean mount points #1, #2, #3 to ensure they are free of dirt, grease, grime etc.



- Assemble supplied mount brackets as shown.

Items: #4, #5, #6, #7, #11, #14, #15



3. Apply sealant to mounting holes in mount points #1, #2, #3. Fill and surround holes to ensure best seal and prevent water ingress.

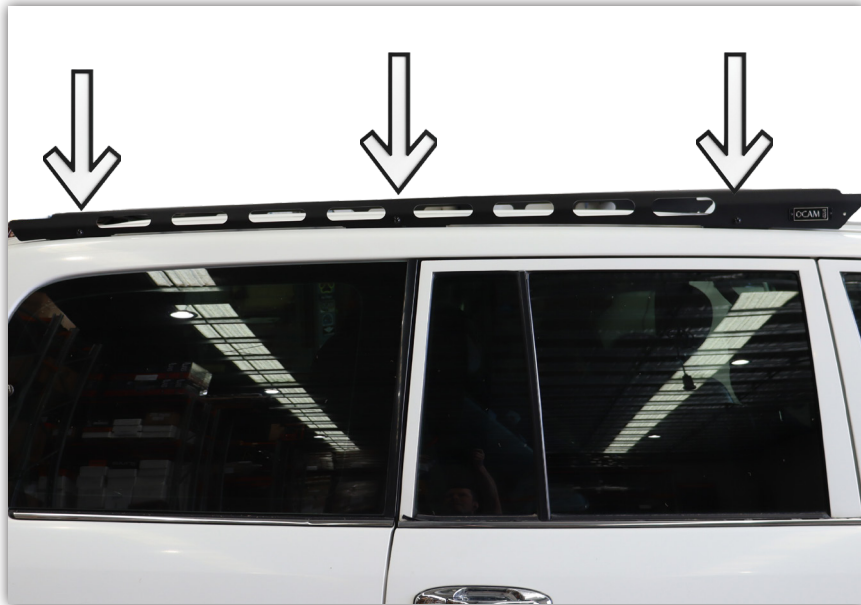


4. Install 2x front mount brackets to mount point #1 and 4x rear mount brackets to mount points #3 and #4. Use 5mm Allen key/hex bit to tighten all bolts, keeping mount brackets straight and centred in the roof channel.

Items: #4, #5, #6, #7, #11, #14, #15



5. Use 5mm Allen key/hex bit to tighten all bolts, keeping mount brackets straight and centred in the roof channel.



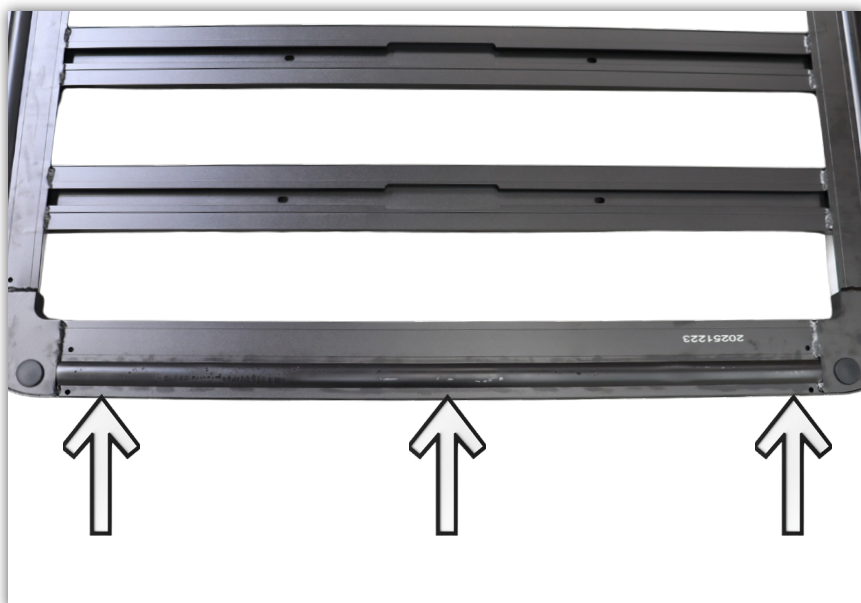
6. Install LH + RH roof rail to mount brackets.

Items: #2, #3



7. Locate roof rails to outside of mounting brackets. Secure with 1x M8x20 button head bolt, 2x M8 flat washer, 1x M8 nyloc nut.

Items: #12, #15, #18



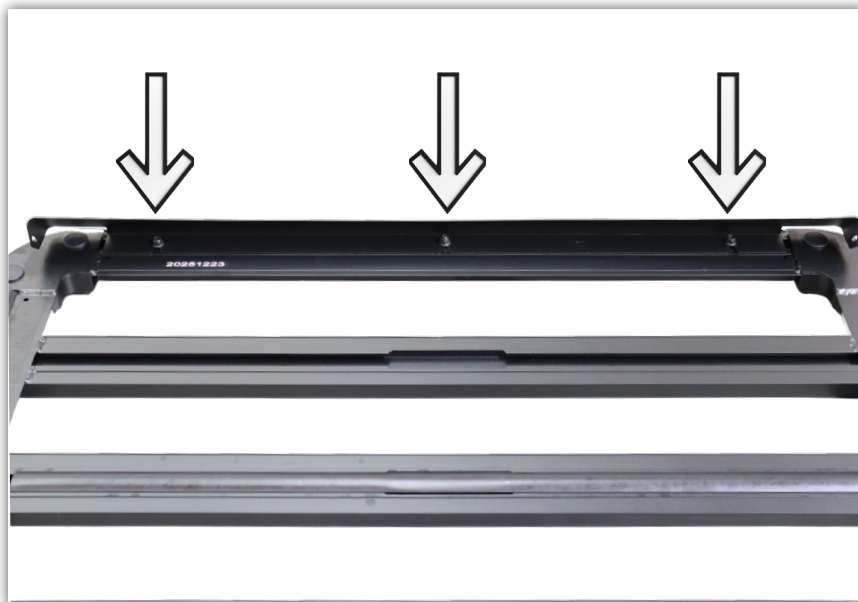
8. Remove rubber weather strip from channel on one end of the platform.

Items: #1



9. Insert 3x T-bolts into exposed channel.

Items: #10



10. Install wind deflector to T-bolts, centre wind deflector and secure with M8 flared nyloc nuts. Tighten the nuts using a 13mm open end spanner just enough to secure it in place, wind deflector may require some adjustment later.

Items: #8, #17



11. Lift roof rack into place on roof rails.



12. Install double T-bolts to channels on underside of platform cross bars aligning with roof rail mounting tabs.

Shown with rack removed for clarity.

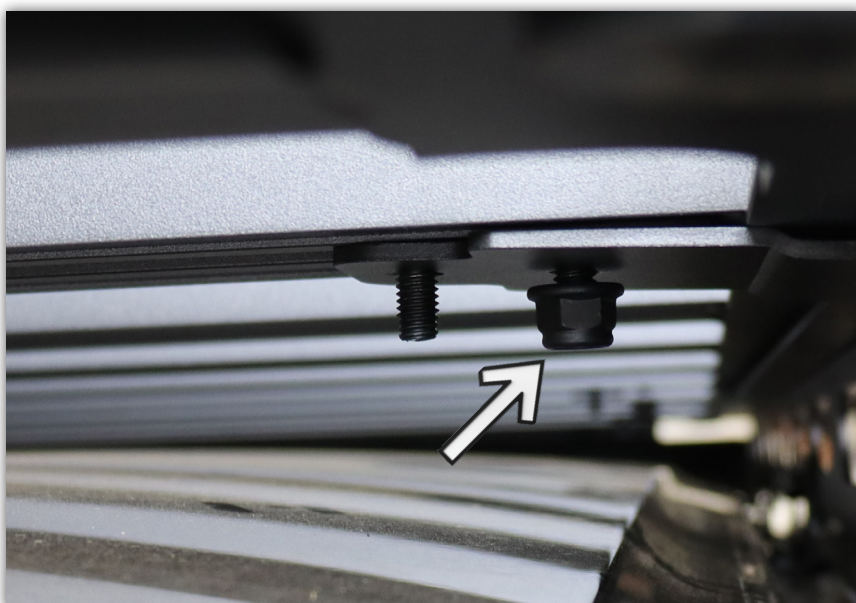
Items: #9



13. Slide double T-bolts into place and secure with M8 flared nyloc nuts.

Shown with rack removed for clarity.

Items: #9, #17



14. Loosely install nuts onto only one stud of each double T-bolt until all double T-bolts are in place to allow for adjustment and flexibility while working.



15. Adjust platform position on roof rails to ensure it is centred and straight.

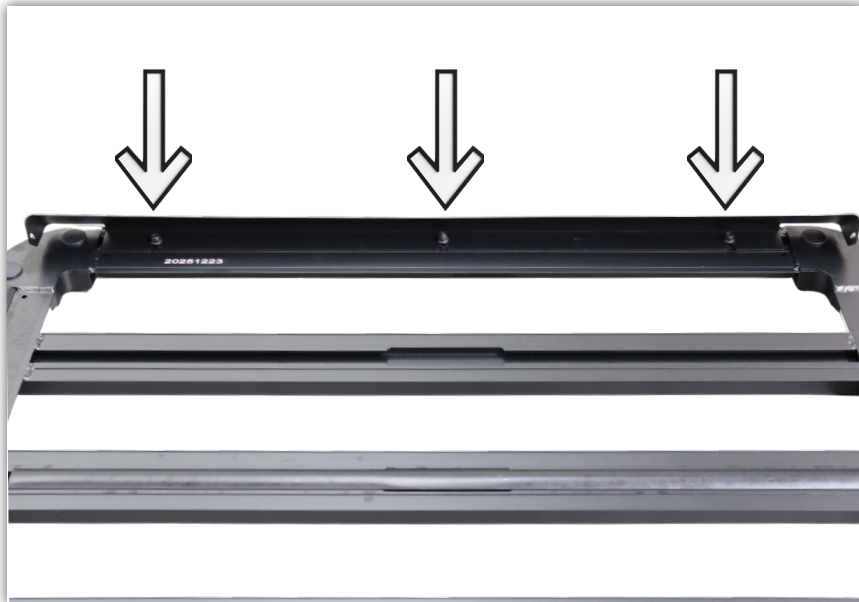


16. Tighten all 12x M8 flared nyloc nuts to secure platform in place.



17. Secure wind deflector to roof rails using 2x M6x20 button head bolt, 4x M6 flat washer, 2x M6 nyloc nut. Leave loose at this stage.

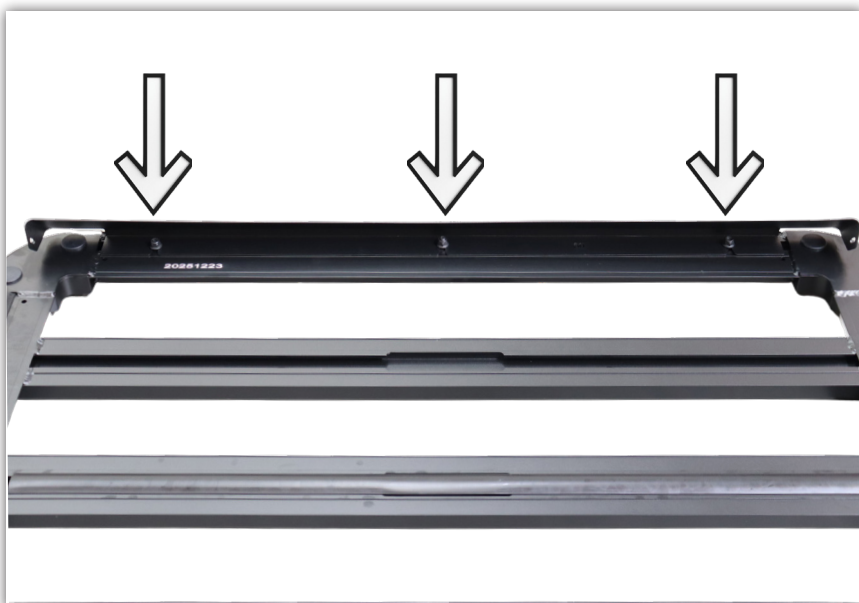
Items: #13, #16, #19



18. Loosen off the 3x T-bolt/flared nyloc nuts securing wind deflector to platform enough to allow some movement.



19. Tighten M6 nut and bolt using 4mm Allen key/hex bit and 10mm spanner.



20. Use 13mm open end spanner to tighten T-bolts/flared nyloc nuts to secure wind deflector to platform.



21. Double-check all fixings are tightened correctly and pack away tools.

Congratulations! Installation of your roof rack is complete!

If you require any assistance or clarification on the installation, or have any questions about the roof rack, please reach out to our after-sales team on 0481 614 611 or email: hello@ocam.com.au, and we will be glad to help.