

OCAM

4X4
ACCESSORIES

INSTALLATION INSTRUCTIONS



SKU: RR2-LC80

Vehicle Compatibility: Toyota Land Cruiser
80 Series, 1990-1997

Installation time: approximately 1.25 hours

BEFORE YOU START

IMPORTANT INFORMATION

- Always wear safety glasses and hearing protection.
- Keep the work area clean at all times.
- Check that all components listed in the parts table are present.
- Thoroughly read all instructions.
- Do not modify this product or its fasteners in any way.
- These instructions are accurate as of 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 fitted to the vehicle.
- It is the responsibility of the installer to confirm correct operation and clearance of all components.
- Remove all burrs and swarf from drilled holes, then coat the holes with a suitable rust-preventative paint.
- Tighten all hardware to the torque specifications listed in these instructions.
- After installation, give these instructions to the customer.

PRODUCT CARE

- To maintain the appearance of the product, wash and dry regularly using a quality car wash.
- Periodically check all product fixings 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
Tools Required			
13 mm open-end spanner	10 mm spanner	4 mm Allen key/hex bit	5 mm Allen key/hex bit

To avoid injury to the installer or damage to the vehicle and product, the help of second person is required to lift the roof rack assembly onto the vehicle. Ensure that you have assistance on hand before beginning the installation.

Item	Description	QTY
1	Platform	1
2	LH roof rail	1
3	RH roof rail	1
4	Gutter clamp bracket	8
5	Rubber strip	8
6	Pinch weld	8
7	Wind deflector	1
8	Double T-bolt	8
9	T-bolt	3
10	M8 x 35 button-head bolt	24
11	M6 x 20 button-head bolt	2
12	M8 spring washer	24
13	M8 flat washer	24
14	M6 flat washer	2
15	M8 flanged nyloc nut	19
16	M8 captive nut	24
17	M6 nyloc nut	2

NOTE: It is best practice to clean the roof gutters thoroughly, and check for and repair any rust that may be found before installing the roof rack.



1. Turn the platform over and lay it down so that the side with the rubber weather strips and gromets is facing up.

Items: #1

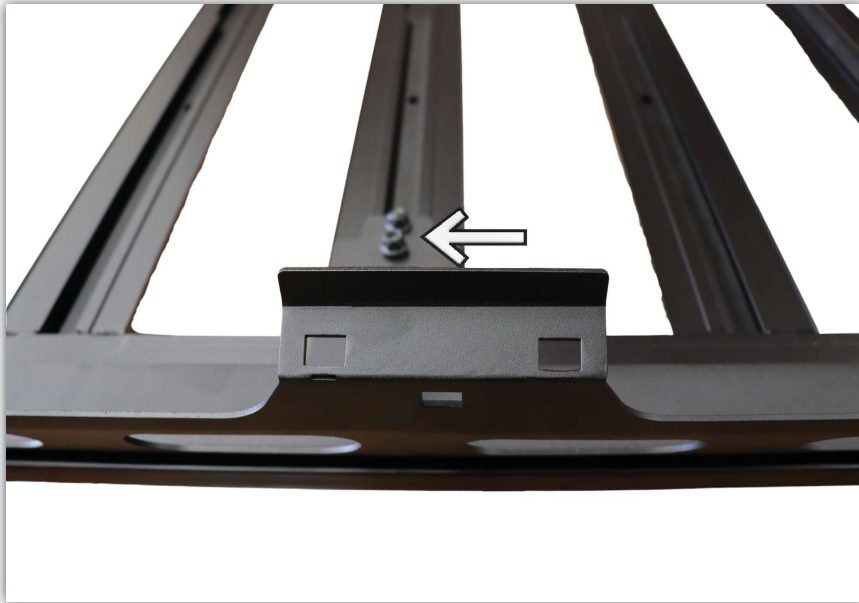


2. Insert 2 double T-bolts into the channels in the 2nd, 5th, 8th, and 10th cross bars. The platform is symmetrical and can be assembled in either orientation.

Items: #8



3. Slide the double T-bolts into position at either end of the cross bar.

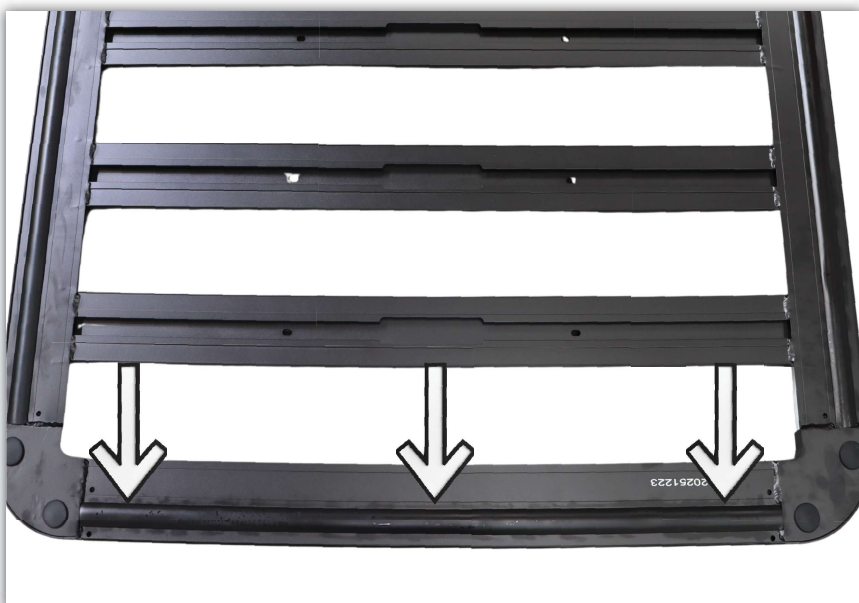


4. Install the LH and RH roof rails to the platform, securing them to the double T-bolts with 16 M8 flanged nyloc nuts. Do not fully tighten at this stage.

Items: #2, #3, and #15



5. Position the roof rails on the platform so that the mounting feet are approximately 1320mm apart, then tighten the M8 flanged nyloc nuts just enough to hold the roof rails in place. Do not fully tighten fixings at this stage as there may be some adjustment required once on the vehicle.

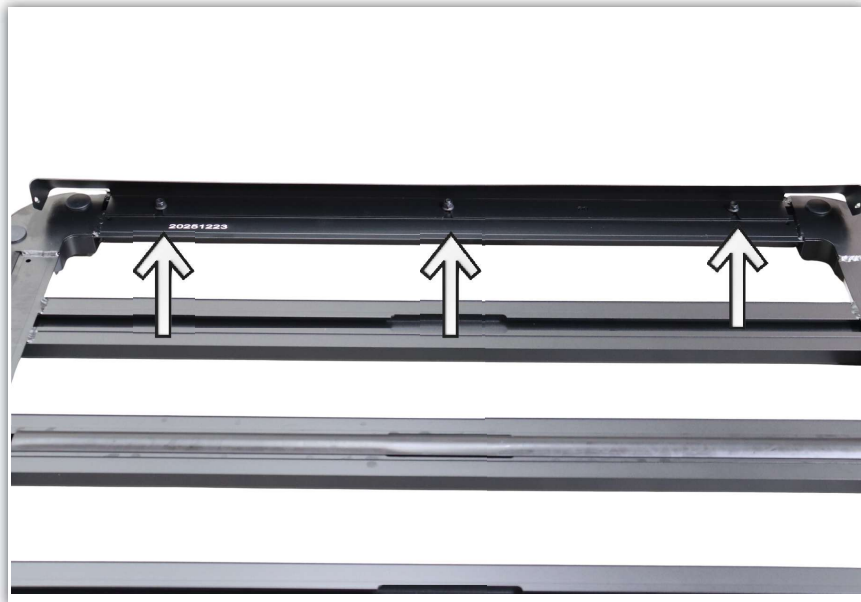


6. Remove the rubber weather strip from the front end of the platform. The front will be designated by the direction of the roof rails, the front end is the end with the OCAM badges.



7. Insert the 3 T-bolts into the exposed channel.

Items: #9



8. Install the wind deflector to the T-bolts and secure with 3 M8 flanged nyloc nuts. Tighten the nuts just enough to hold the wind deflector in place as some adjustment may be required once on the vehicle.

Items: #7 and #15



9. Secure the wind deflector to each roof rail using 1 M6 x 20 button-head bolt, 2 M6 flat washers, and 1 M6 nyloc nut.

Items: #11, #14, and #17



10. Install the 8 pinch weld to the feet of the roof rails.

Items: #6



11. Install the 24 captive nuts to the holes in the roof rail feet. Push the nut clips through the holes from the inside of the rail.

Items: #16



12. With assistance, lift the roof rack onto the vehicle and seat the roof rail feet into the roof gutters. Loosen off the M8 flanged nyloc nuts securing the roof rails to the platform to adjust if the roof rail feet are not seated in the gutters correctly.



13. Install the 8 gutter clamp brackets to the roof rails, place the 8 rubber strips between the gutter clamp brackets and the roof gutters.

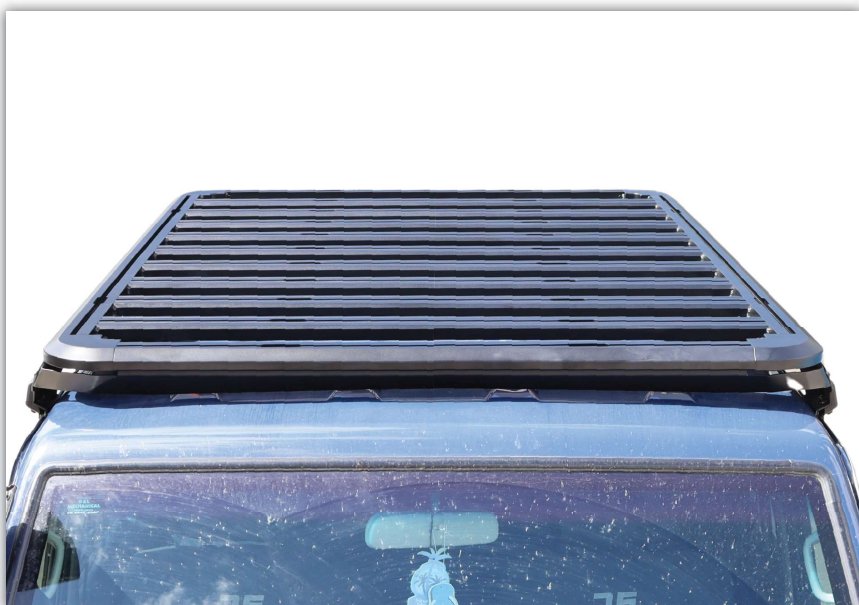
Items: #4 and #5



14. Secure the gutter clamp brackets with the 24 M8 x 35 button-head bolts, 24 M8 spring washers, and M8 flat washers. Tighten using a 5 mm allen key/hex bit.

Tighten to 28.8 Nm (21.3 ft-lb)

Items: #10, #12, and #13

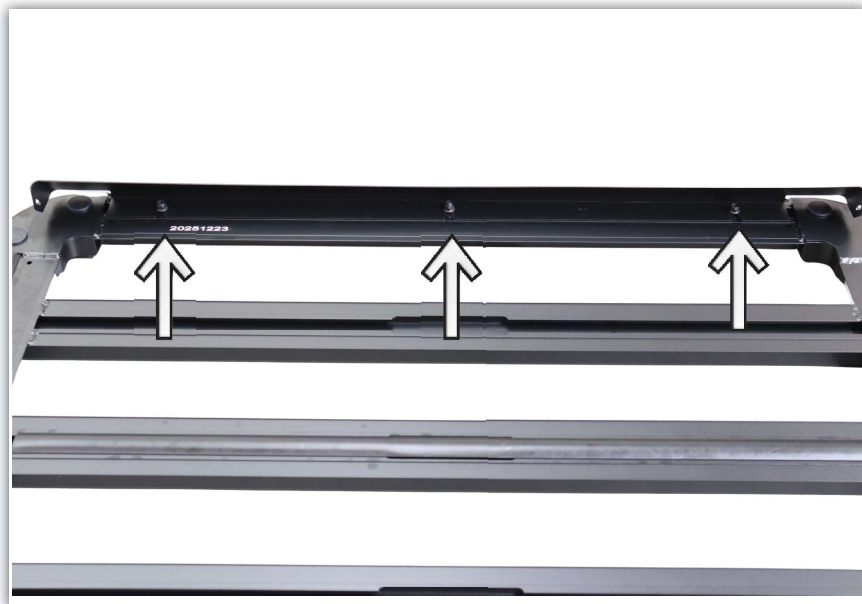


15. Adjust the platform position on the roof rails to ensure it is centred and straight.



16. Tighten all M8 flanged nyloc nuts to secure the platform in place.

Tighten to 28.8 Nm (21.3 ft-lb)

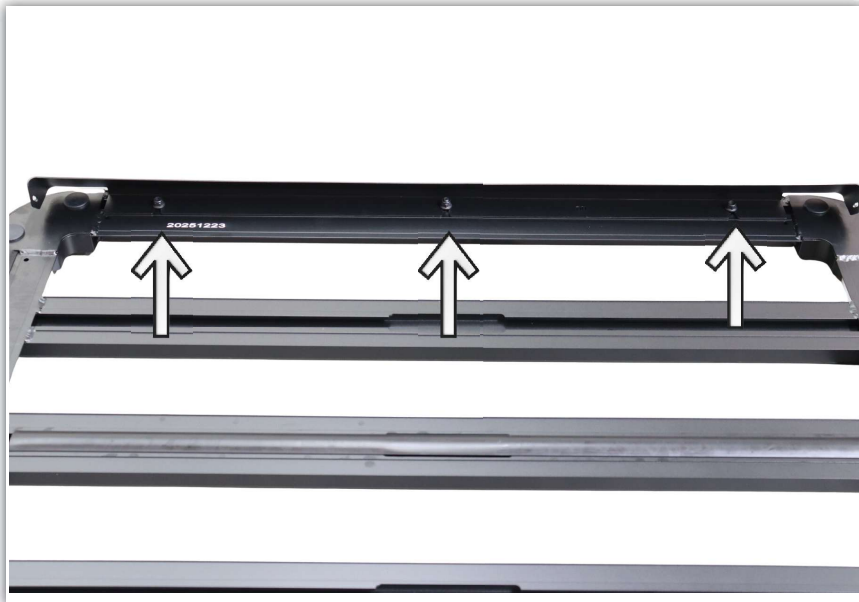


17. Loosen the 3 T-bolt/ M8 flanged nyloc nut assemblies securing the wind deflector to the platform enough to allow movement.



18. Tighten the M6 nuts and bolts using a 4 mm Allen key/hex bit and 10 mm spanner.

Tighten to 11.8 Nm (8.7 ft-lb)



19. Use a 13 mm open-end spanner to tighten 3 T-bolt/M8 flanged nyloc nut assemblies and secure the wind deflector to the platform.

Tighten to 28.8 Nm (21.3 ft-lb)



20. Double-check that all fixings are tightened to the specified torque, then pack away the tools.

Congratulations!

Installation of your roof rack is complete!

For installation assistance or clarification, contact our after-sales team on 0481 614 611 or email hello@ocam.com.au. We will be glad to help.

Recheck the torque of all fixings after 100 km as the roof rack settles, then every 1000 kms and before every trip. We recommend checking more frequently when used on corrugations and off road applications.

RR2-LC80

Roof rack rated load capacity: 225 kg

Roof rack total weight: 36.2 kg

The rated load capacity may exceed your vehicle's roof load limit and should not be considered a recommended maximum. For safe use, always refer to your vehicle manufacturer's specifications to determine the maximum roof load and remember to include the weight of the roof rack in your calculations.