

# OCCAM

**4X4**  
**ACCESSORIES**

## INSTALLATION INSTRUCTIONS



**SKU: RR2-Cannon**

**Vehicle Compatibility: GWM Cannon 2019+**

**Installation time: approximately 1.5 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

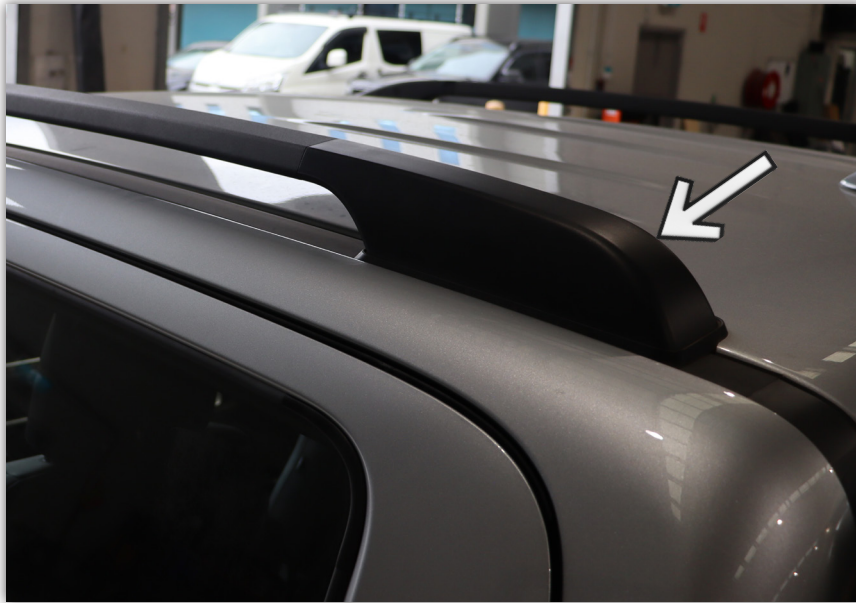
| BOLT SIZE (mm) | TORQUE (Nm) | TORQUE (ft-lb) |
|----------------|-------------|----------------|
| M5             | 7           | 5              |
| M6             | 11.8        | 8.7            |
| M8             | 28.8        | 21.3           |
| M10            | 57.5        | 42.3           |
|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

### Tools Required

|               |                            |                        |           |
|---------------|----------------------------|------------------------|-----------|
| 8 mm socket   | 4 mm hex bit/allen key     | 5 mm hex bit/allen key | Ratchet   |
| 10 mm spanner | 13 mm open-end spanner     | Trim removal tool      | Tin snips |
| 8 mm socket   | Black silicone/PU adhesive | Caulking gun           |           |

| Item | Description                 | QTY |
|------|-----------------------------|-----|
| 1    | Platform                    | 1   |
| 2    | LH roof rail                | 1   |
| 3    | RH roof rail                | 1   |
| 4    | Front mounting bracket      | 2   |
| 5    | RH rear mounting bracket    | 1   |
| 6    | LH rear mounting bracket    | 1   |
| 7    | Rubber gasket               | 8   |
| 8    | Wind deflector              | 1   |
| 9    | Double T-bolt               | 4   |
| 10   | T-bolt                      | 3   |
| 11   | M8 x 20 mm button head bolt | 4   |
| 12   | M6 x 30 mm button head bolt | 8   |
| 13   | M6 x 20 mm button head bolt | 2   |
| 14   | M8 flat washer              | 8   |
| 15   | M6 flat washer              | 12  |
| 16   | M8 flanged nyloc nut        | 11  |
| 17   | M8 nyloc nut                | 4   |
| 18   | M6 nyloc nut                | 2   |
| 19   | Plastic cap                 | 2   |

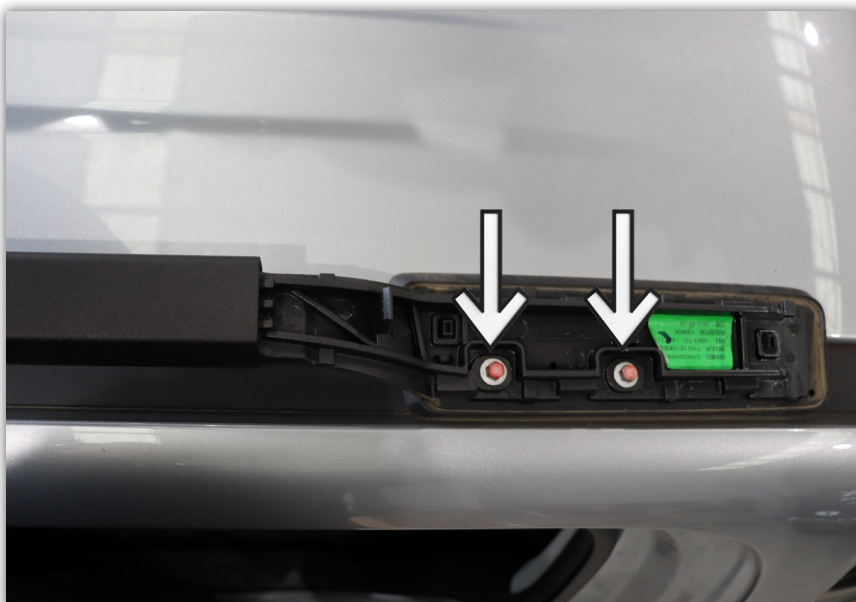
**NOTE:** To avoid injury to the installer or damage to the vehicle and product, the help of second person is required to lift the roof rack assembly onto the vehicle. Ensure that you have assistance on hand before beginning the installation.



1. Use a trim removal tool to remove the rear cap from the factory roof rails.



2. Use a trim removal tool to remove the front cap from the factory roof rails.



3. Use an 8 mm socket to remove the 8 bolts securing the roof rails to the vehicle, then remove the roof rails.



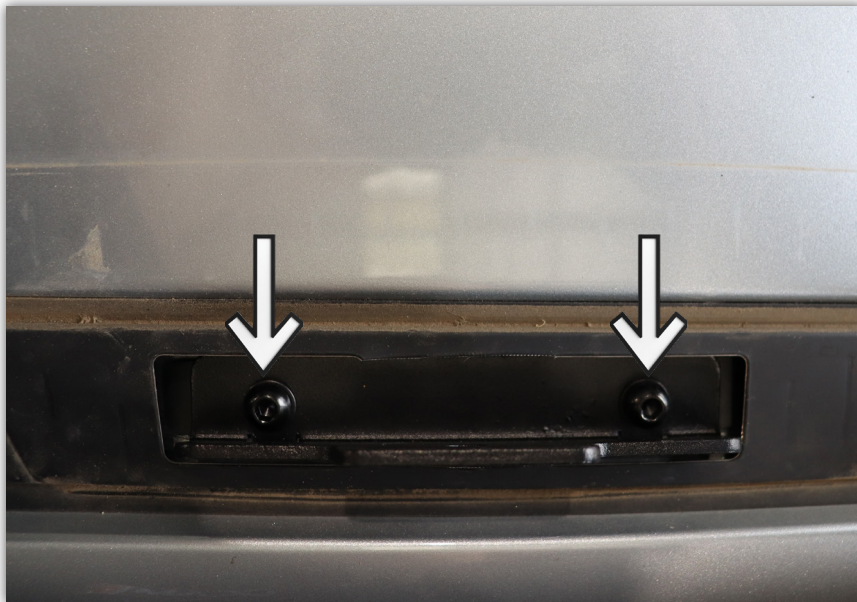
4. Use tin snips to cut the roof channel finishers so that each mounting point is 1 long hole, as shown.



5. Clean the mounting points on the roof ensuring they are free from dirt or residue.

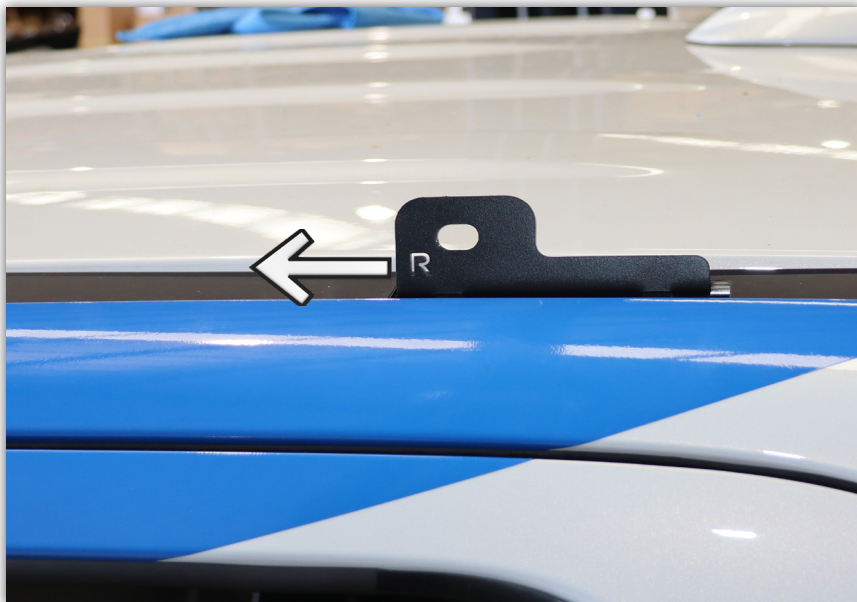


6. Apply a bead of black silicone/PU adhesive to the mounting holes on the roof. To seal against any water ingress ensure the sealant is around and inside the holes.



7. Install the mounting brackets to the roof using 8 M6 x 30 mm button head bolts and 8 M6 flat washers and the 8 rubber gaskets positioned under the mounting brackets.

Parts: #4, #5, #6, #7, #12, #15



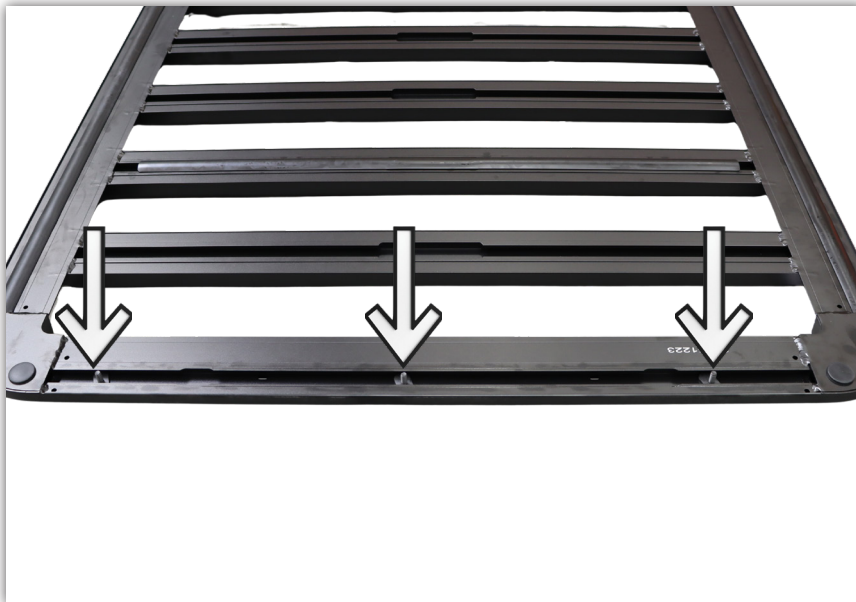
8. Position rear mounting brackets so that vertical tab is toward the front of the vehicle. Tighten all bolts, taking care to keep the mounting brackets straight and centred on the roof channels. Refer to torque settings table on page 2.

Parts: #5, #6



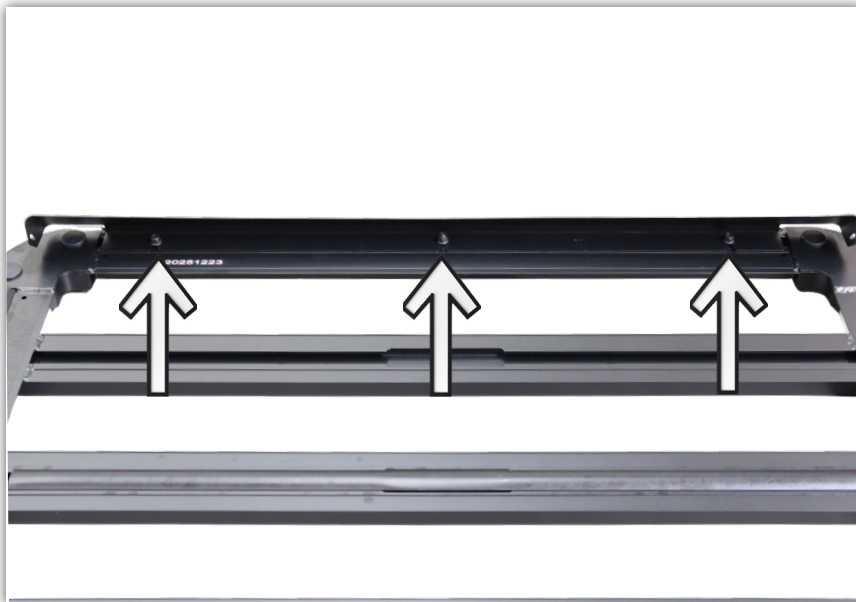
9. Install the roof rails to the mounting brackets using 4 M8 x 20 mm button head bolts, 8 M8 flat washers, and 4 M8 nyloc nuts. The OCAM logo will be positioned toward the front of the vehicle. Tighten using 5 mm hex bit and 13 mm spanner. Refer to torque settings table on page 2.

Parts: #2, #3, #11, #14, #17



10. With the platform upside down, remove the rubber weather strip from the channel on one end of the platform. Insert the 3 T-bolts into the exposed channel.

Parts: #1, #10



11. Install the wind deflector onto the T-bolts, centre the wind deflector, and secure it with 3 M8 flanged nyloc nuts. Using a 13 mm open-end spanner, tighten the nuts just enough to hold the wind deflector in place. The wind deflector may require some adjustment later.

Parts: #8, #16



12. With assistance, lift the platform into place on the roof rails.



13. Install the 4 double T-bolts into the channels on the underside of the platform crossbars that align with the roof-rail mounting tabs.

Parts: #9



14. Slide the double T-bolts into place and loosely install a M8 flanged nyloc nut onto only one stud of each double T-bolt until all double T-bolts are in place, this allows for easier adjustment while working.

Parts: #16



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



16. Install M8 flanged nyloc nuts to remaining T-bolt studs. Tighten all 8 M8 flanged nyloc nuts to secure the platform in place. Refer to torque settings table on page 2.

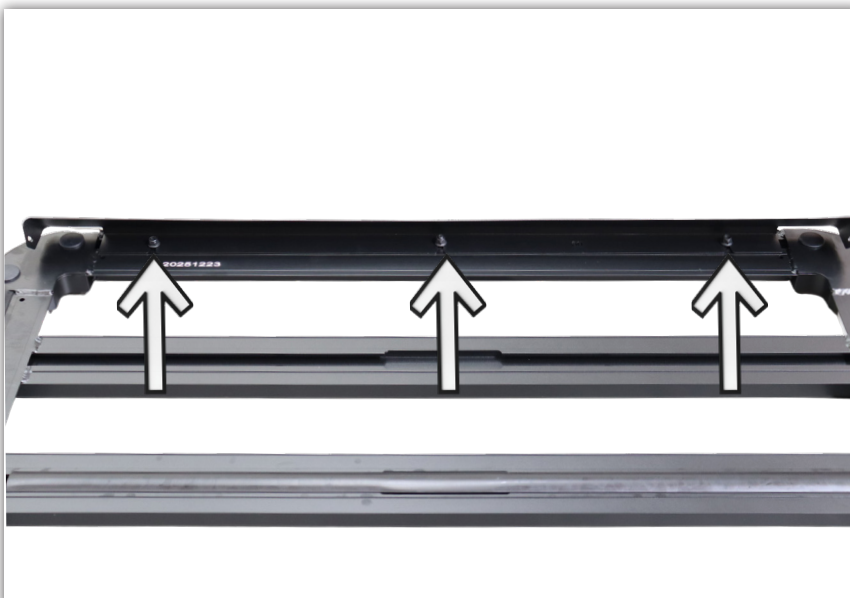
Parts: #16



17. Secure the wind deflector to the roof rails using 2 M6 x 20 button-head bolts, 4 M6 flat washers, and 2 M6 nyloc nuts. Leave the fasteners loose at this stage.

Parts: #13, #15, #18, #19

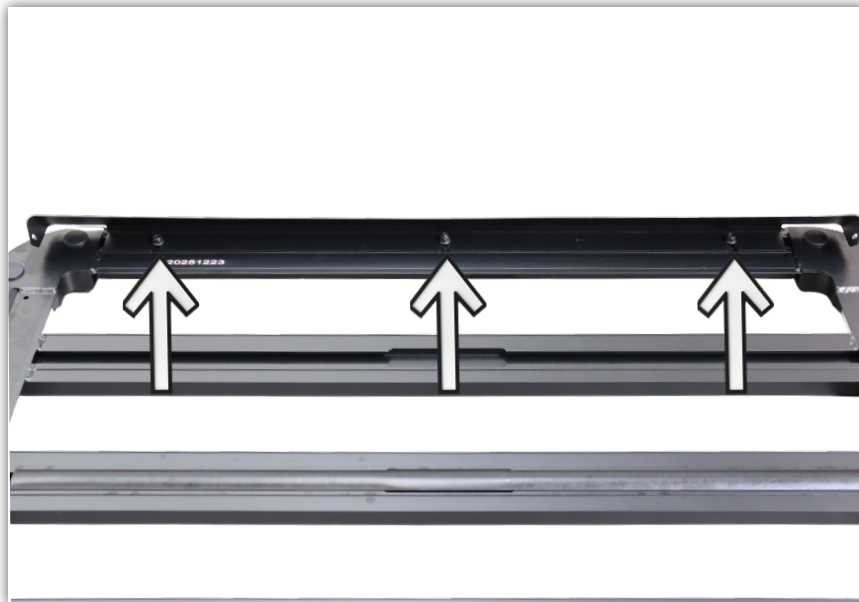
Note: If not installing wind deflector use 2x plastic caps to blank these holes.



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



19. Tighten the M6 nuts and bolts using a 4 mm Allen key/hex bit and a 10 mm spanner. Refer to torque settings table on page 2.



20. Use a 13 mm open-end spanner to tighten 3 T-bolt/flanged nyloc nut assemblies and secure the wind deflector to the platform. Refer to torque settings table on page 2.



21. 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](mailto:hello@ocam.com.au). We will be glad to help.

Do not wash vehicle for 24 hours after installation to allow the sealant to cure fully, failure of sealant may lead to water ingress into vehicle roof.

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.

### **SKU RR2-CANNON**

Roof rack rated load capacity: 125 kg

Roof rack total weight: 24.05 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.