

O CAM

4X4
ACCESSORIES

INSTALLATION INSTRUCTIONS



SKU: RR2-Hilux-15-J

Vehicle Compatibility: Toyota Hilux

2015+ (with shark fin antenna)

Installation time: Approximately 4 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

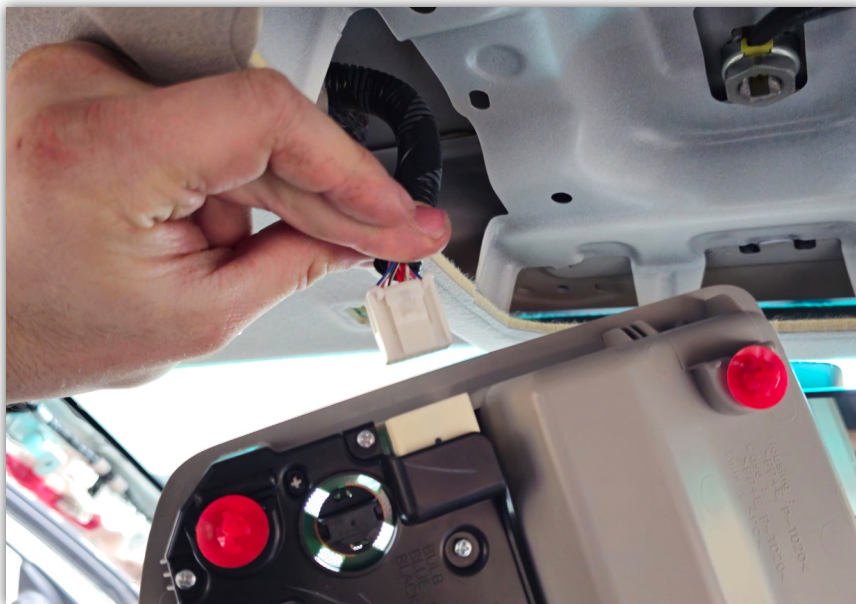
To avoid injury to the installer or damage to the vehicle and product, the help of second person is required to lift the roof rack assembly onto the vehicle. Ensure that you have assistance on hand before beginning the installation.

Item	Description	Qty
1	Platform	1
2	LH roof rail	1
3	RH roof rail	1
4	Front mounting bracket (F)	2
5	Rear mounting bracket (R)	2
6	Reinforcing plate	4
7	Rubber gasket	4
8	Wind deflector	1
9	Double T-bolt	4
10	T-bolt	3
11	M8 x 20 button-head bolt	4
12	M6 x 30 button-head bolt	8
13	M6 x 20 button-head bolt	2
14	M8 flat washer	8
15	M6 flat washer	20
16	M8 flanged nyloc nut	11
17	M8 nyloc nut	4
18	M6 flanged nyloc nut	8
19	M6 nyloc nut	2

Tools Required			
10 mm socket	12 mm socket	13 mm socket	Ratchet
13 mm open-end spanner	4 mm hex key/hex bit	5 mm hex key/hex bit	3 mm and 6 mm drill bit
Drill	Centre punch	Hammer	Phillips-head screwdriver
Trim removal tool	Pick tool	Knife/snips	Torque wrench
Black silicone or PU adhesive	Caulking gun	Marker	Masking tape
Touch-up paint/primer	Tape measure/rule	Automotive double sided tape	Deburr tool



1. Use trim removal tool to remove the roof console, pull straight down to release clips in each corner.



2. Disconnect the wiring harness and put console aside.

Depress tab on the connector to release, pull connector to remove. Do not pull wires as this can cause damage.



3. Use a trim tool or pick tool to remove the sun visor hinge covers



4. Use a Phillips-head screwdriver to remove 2 screws from sun visor hinge, then remove sun visor.



5. Turn the sun visor clip 90 degrees and pull to remove it.



6. Use pick tool to remove the screw covers on the A-pillar handle.



7. Use a 10 mm socket to remove 2 bolts from the A-pillar handle, then remove the handle.



8. Pull A-pillar trim away from pillar to release the clips and remove it.



9. Use pick tool to remove front upper seat belt mount cover from the B-pillar.



10. Use a 12 mm socket to remove the front upper seat belt mount from the B-pillar.



11. Use pick tool to remove the screw covers from the B-pillar handle.



12. Use a 10 mm socket to remove 2 bolts from the B-pillar handle, then remove the handle.



13. Pull the top of the lower B-pillar trim away from the pillar to release the upper clips, then pull the upper B-pillar trim away from the pillar to release the clips and remove it.



14. Use pick tool to remove the rear upper seat belt mount cover from the C-pillar.



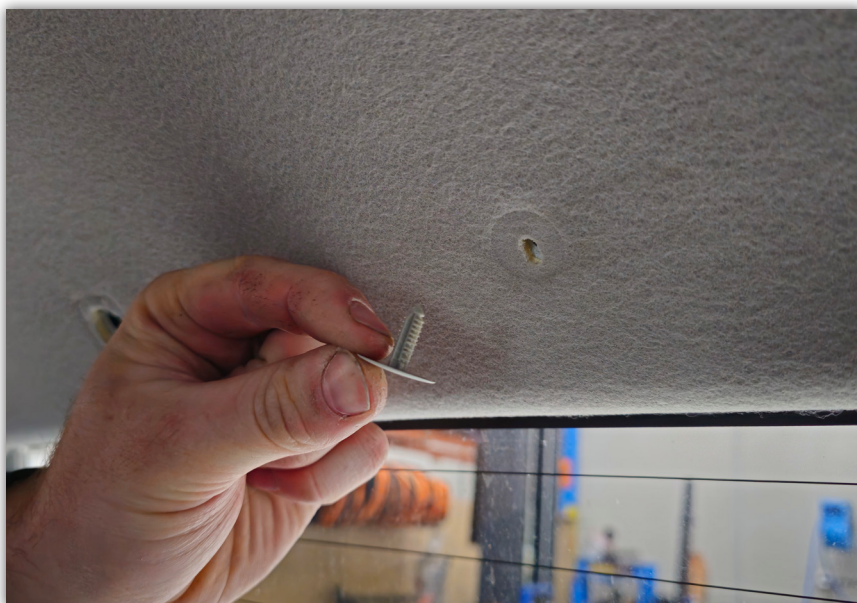
15. Use a 12 mm socket to remove the rear upper seat belt cover from the C-pillar.



16. Pull the top of the C-pillar trim away from the pillar to release the upper clip. Do not remove C-pillar trim.



17. Turn the rear roof hooks 90 degrees and pull to remove them.



18. Use trim removal tool to remove fir tree clips from the roof lining.



19. Use trim tool to release harness from LH A-pillar.



20. Use pick tool to open the screw caps on the roof handle.



21. Use 10 mm socket to remove the 2 screws and remove the roof handle.



22. With the platform upside down slide 2 double T-bolts into each of the second and sixth cross bars channels.

Parts: #1, #9



23. Mount the roof rails to the platform using the double T-bolts installed in previous step and 8 M8 flanged nyloc nuts. Tighten nuts just enough to hold the rails in place.

Parts: #2, #3, #16



24. Install the front and rear mounting brackets to the roof rails as shown, using 4 M8 x 20 button head bolts, 16 M8 flat washers, and 4 M8 nyloc nuts. Tighten nuts and bolts just enough to hold the mounting brackets in place.

Parts: #4, #5, #11, #14, #17



25. Remove the roof channel finisher strips using a trim removal tool and clean any dirt or residue out of the roof channels.



26. Apply masking tape to the vehicle roof to protect the paint, and with assistance lift the roof rack assembly into place on the vehicle roof. The roof rail position may need to be adjusted as you work.

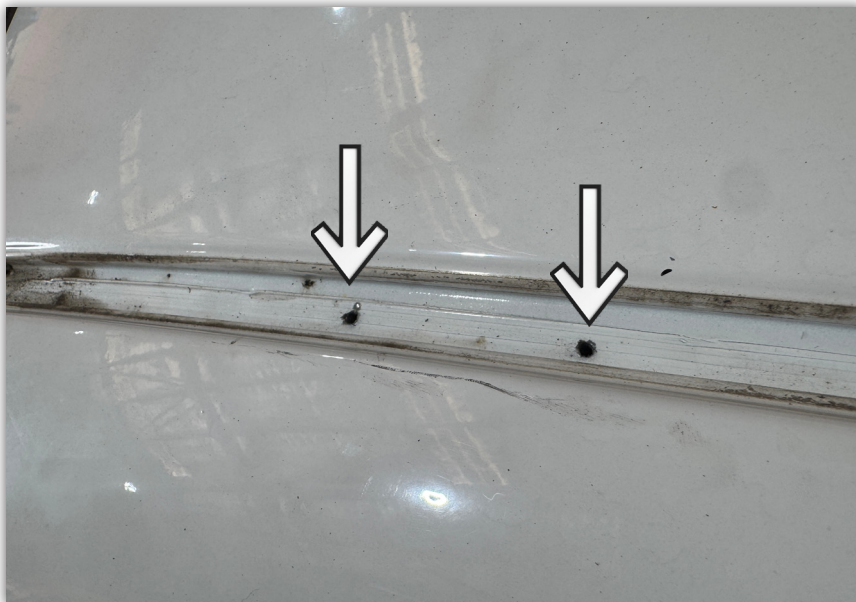


27. Position the mounting feet in the roof channels with the front mounting brackets forward-most edge 180 mm from the front end of the roof channels. Use a marker to mark the position of the front edge of the front mounting brackets and rear edge of the rear mounting brackets, then remove the roof rack assembly.

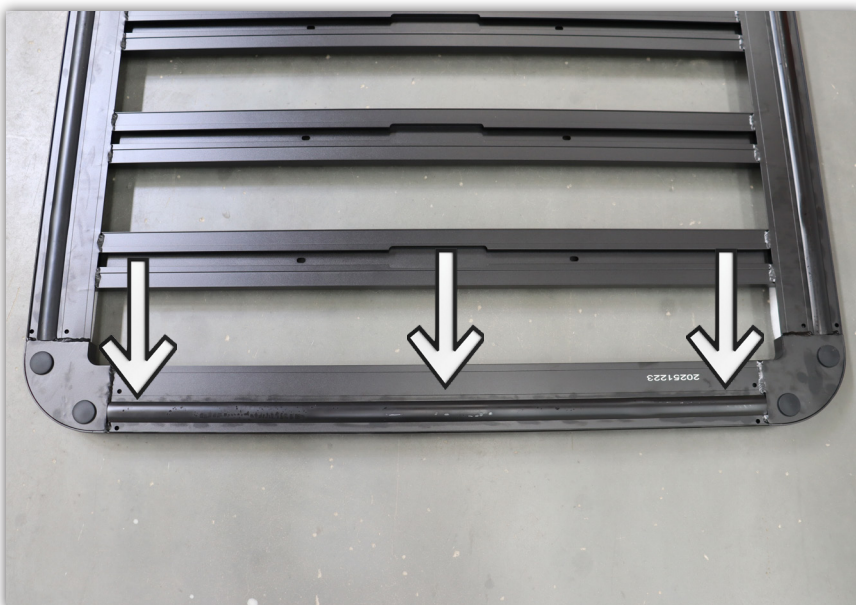


28. Remove the mounting brackets from the roof rails and set them in place on the roof using the marks made previously as a guide. Mark the position of the holes for all 4 mounting brackets.

Parts: #4, #5



29. Use a centre punch to mark the centre of each of the holes to be drilled. Use a 3 mm drill bit to drill pilot holes at each of the marked and punched positions, then use a 6 mm drill bit to drill the holes to full size. Use a deburr tool to clean up the holes drilled and apply touch up paint/ primer to protect from corrosion.



30. Remove the rubber strip from the front channel of the platform.

Parts: #1



31. Install 3 T-bolts to the exposed front channel.

Parts: #10



32. Install the wind deflector to the front channel, use 3 M8 flanged nyloc nuts to secure it to the T-bolts. Only tighten the nuts enough to hold the wind deflector in place.

Parts: #8, #17



33. Once the paint/primer has dried, apply a bead of black silicone or PU adhesive around and over the holes to ensure a tight seal against water.



34. Install the mounting brackets to the roof channels using 2 M6 x 30 mm button head bolts, 4 M6 flat washers, 4 M6 flanged nyloc nuts per mounting bracket.

Parts: #4, #5, #6, #7, #12, #15, #18



35. Ensure the rubber gaskets are installed between the mounting bracket base and the roof, and the reinforcing plates are installed on the inside of the roof. Tighten the nuts and bolts.



36. Use a knife or snips to cut the roof channel finisher strips to size. Use PU adhesive or automotive double sided tape to secure them in place in the roof channels. Use masking tape to hold them in place while the adhesive cures.



37. With assistance lift the platform into place on the roof.

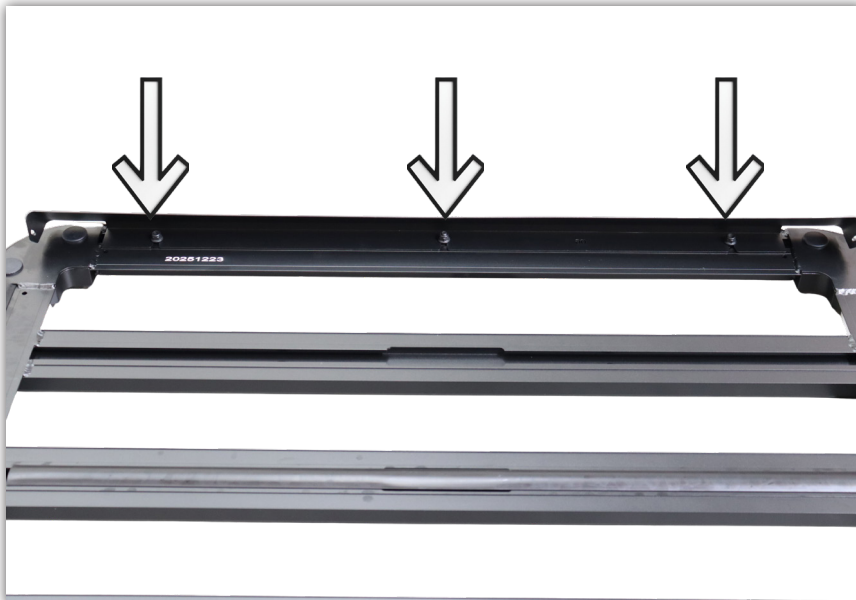


38. Adjust the platform position to be centred on the vehicle. Tighten the eight M8 flanged Nyloc nuts securing the roof rails to the platform to the specified M8 torque.



39. 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.

Parts: #13, #15, #19



40. Loosen the M8 flanged nyloc nuts securing the wind deflector to the platform and adjust the wind deflector position if required. Tighten all nuts and bolts.



41. Double-check all roof rack nuts and bolts are tightened to the correct torque settings.

42. Refit the roof lining and vehicle interior by reversing the removal procedure.

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.

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.

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Roof rack rated load capacity: 100 kg

Roof rack total weight: 20.05 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.