



INSTALLATION INSTRUCTIONS

PART NUMBER: RR2-Prado-150
APPLICATION: Toyota Prado 150 Series, 2009-23
FITTING TIME: 2.5 Hours



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IMPORTANT INFORMATION

- To ensure your warranty remains valid, the product must be installed in accordance with the following instructions.
- Before beginning installation, check all parts against the included parts list. If anything is missing, contact your place of purchase immediately.
- This product or its fasteners must not be modified in any way.
- Ensure that all hardware is fastened to torque list as detailed in these instructions.
- These instructions are accurate as 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 and clearance of all components.
- To prevent damage, remove the roof rack before entering an automatic car wash.
- Keep these instructions in the vehicle.

PRODUCT CARE

- For long-lasting appearance, clean and dry the product regularly using a high-quality pH-neutral car wash. Steer clear of strong acid detergents, which can damage the surface.
- The product should be periodically checked for tightness.

Important Safety Warnings

1. Check Vehicle Roof Load Limits

- DO NOT exceed the manufacturer's roof load capacity (static or dynamic). This includes the weight of the rack itself (approx. 23kg) plus any cargo, accessories, or roof-top equipment.
- Consult your vehicle owner's manual for guidance.

2. Installation Must Be Done Correctly

- Improper installation may result in serious injury, death or damage to the vehicle or property.
- The rack must be securely mounted using only the provided or approved fitting kits and torque specifications.
- If unsure, installation should be carried out by a qualified technician or authorised OCAM Fitment Centre.

3. Re-Torque After First Use

- After initial installation, re-check and torque all fasteners after the first 100 km of driving and periodically thereafter—especially after off-road use.

4. Driving Conditions

- Roof racks change your vehicle's centre of gravity. Drive with caution, especially on corners, in strong winds, or on rough terrain.
- Avoid sudden manoeuvres and excessive speeds when loaded.

5. Regular Maintenance Required

- Inspect the roof rack regularly for loose bolts.
- Failure to maintain the rack may void your warranty and lead to unsafe conditions.

6. Aerodynamic Noise

- The rack is designed with an integrated wind deflector for reduced noise, however, wind noise may still occur and can vary based on load, speed, and installation.

7. Load Securing

- Always use appropriate tie-down straps and methods to secure your load. Do not use elastic or bungee cords.
- Do not overload or allow items to overhang excessively. Ensure nothing can move during transit.

8. Off-Road Use

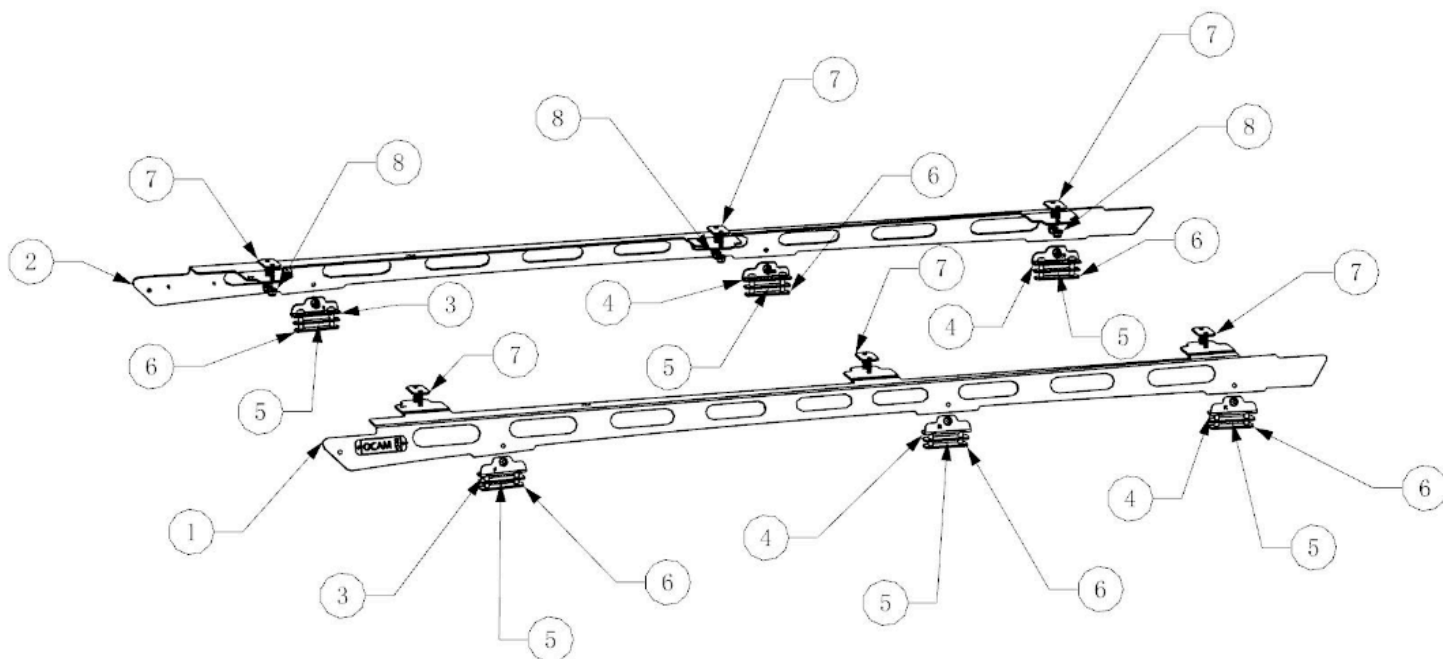
- This rack is tested for off-road conditions; however, off-road use increases stresses on mounting systems. Inspect before and after trips.
- Loads must be properly secured with anti-vibration consideration for corrugations.




















9. Accessory Compatibility

- Only use accessories and mounting hardware that are compatible with the OCAM Signature Platform Rack.
- Drilling or modifying the rack may void the warranty and compromise safety.

10. Warranty Disclaimer

- The OCAM Signature Roof Rack is covered under a 2-year manufacturer's warranty.
- Damage resulting from incorrect installation, overloading, modifications, neglect or accidents is not covered.



PART LIST								
NO	PIC	QTY	NO	PIC	QTY	NO	PIC	QTY
1	 Mounting Rail LHS	x1	2	 Mounting Rail RHS	x1	3	 Front Mounting Foot	x2
4	 Rear Mounting Foot	x4	5	 Spacer	x6	6	 Rubber Packer	x6
7	 Dual T-bolt M8x20	x6	8	 Flange Nyloc Nut M8	x12	9	 Dome Head Bolt M8x20	x6
10	 Dome Head Bolt M8x30	x12	11	 Nyloc Nut M8	x6	12	 Flat Washer M8x16x1.6	x24
13	 Spring Washer M8x12.9x1.6	x12	14	 Wind Deflector	x1	15	 M8 Single T-Bolts	x3
16	 M8 Nyloc Flange Nuts	x3	17	 Dome Head Bolt M6x20	x2	18	 Flat Washers M6	x4
19	 Nyloc Nut M6	x4						

Tools Required

1. Trim removal tool
2. Metric socket and spanner
3. Wax & grease remover
4. Allen keys
5. Torque wrench

Torque Settings

Brackets to Roof:	M8: 8-12Nm
Rails to Brackets:	M8: 20-25Nm
Platform to Rails: (Dual T-Bolts)	M8: 14-18Nm
Wind Deflector to Rails	M6: 4-6Nm
Wind Deflector to Platform: (Single T-Bolts)	M8: 8-12Nm



1. Unbox all components – platform, rails, and wind deflector, and mounting hardware.
2. Inspect contents carefully – ensure all hardware is included and check for any damage.
3. Position the platform – place it upside-down on a stable workbench or stand.

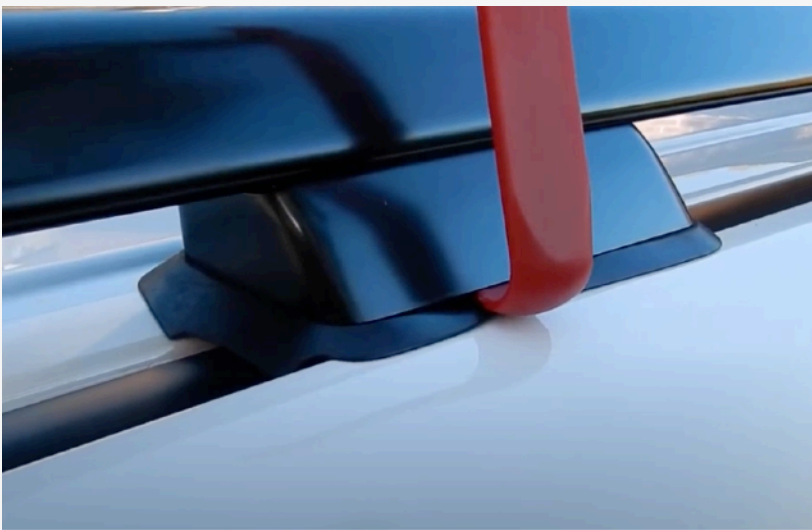
Note:

For Prado models with factory roof rails, go to step 1.
For Prado models without factory roof rails, remove the mounting point covers and go to step 7.



4. Carefully remove the caps from the factory roof rails; at the front, centre and the rear.

Note: Each cap has two clips facing the outside of the vehicle. Use a trim removal tool to pry and level under the cap while pulling the cap upward to find where the clips require leverage to be released.

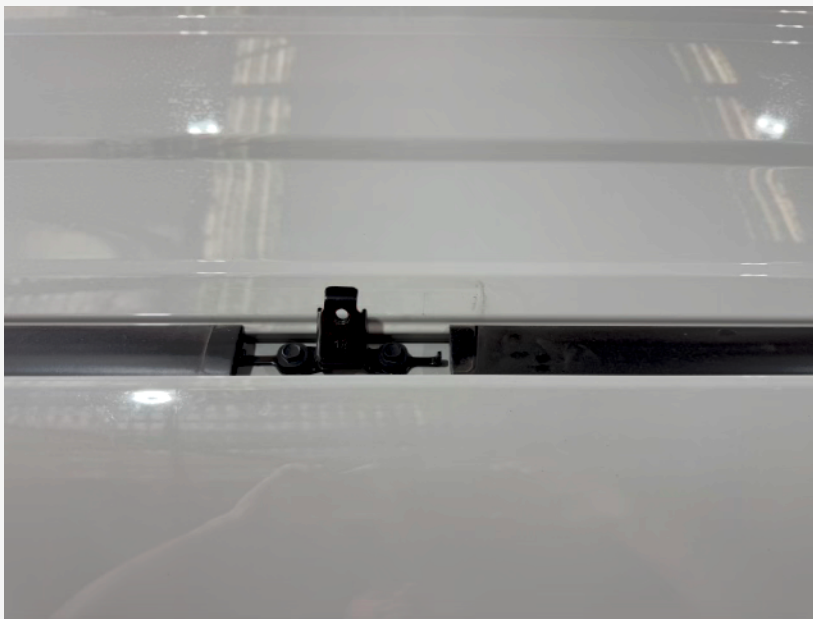


This image shows removal of centre mount cap.



5. Remove the bolts securing the original roof rails; 2 bolts from the front; 1 bolt from the centre; 2 bolts from the rear. Then remove the rail from the vehicle. Repeat this step on the opposite side.

Important note: use hand tools only for all steps. For the front and rear, ensure you loosen both bolts before removing either one - otherwise, the captive nuts may fall into the cavity. Remove bolts carefully and at a steady pace to avoid damage or dropped parts.



6. You will also find a bracket in the centre. Loosen both both bolts first, then remove them and take off the bracket. As with the front and rear, ensure both bolts are loosened before fully removing either one.



7. Once both rails have been removed, clean the roof ditch thoroughly, ensuring all dust and debris are cleared. Your roof is now ready for installation.



8. Place the supplied Rubber Packer (No.6) onto each mounting position.



9. Place a Metal Spacer (No.5) over each Rubber Packer.



10. Install the Mounting Feet over the Metal Spacer in each position as follows:

- Front: 2 x F-Front (No.3),
- Centre: 2 x R-Rear (No.4)
- Rear: 2 x R-Rear (No.4)

Fix the mounting feet using the supplied hardware:

- M8 x 30mm dome head bolts (No.10).
- M8 spring washer (No. 13)
- M8 flat washer (No. 12)

Fit the spring washer onto the bolt first, followed by the flat washer. Once assembled, secure the bolt into position.



When installing the Mounting Rails, ensure "T" mark is at the front of the vehicle.



11. Install the LH (No.1) and RH (No.2) Mounting Rails onto the Roof Mounting Feet. Fasten each using the supplied hardware in the following order:
 - a. M8 x 20mm bolts (No.9)
 - b. M8 flat washers (No.12)
 - i. 1 @ outside of the Rail
 - ii. 1 @ inside of the Mounting Foot.
 - c. M8 nyloc nuts (No.11) inside of the Mounting Foot
 Tighten all fixings securely.



12. Return to the platform. Remove the rubber channel cover from the underside of the front cross member to prepare for installation of the wind deflector (N).

Note: Either end of the platform can be used as the front.

Note: Reinstall the rubber channel cover to the underside of one of the cross members, in order to secure any electric cabling you may want to use at a later time.



9. Position three single M8 T-bolts (No.15) with M8 nyloc flange nuts (No.16) loosely fitted to allow installation of the wind deflector.



10. Centre the wind deflector (N0.14) and slide it fully into the slots. Partially tighten the M8 nyloc flange nuts—firm enough to hold the deflector in place, but still allowing slight adjustment when lowering the platform and deflector assembly onto the rails.



11. With the assistance of another person, carefully lower the platform and wind deflector assembly onto the rails.



12. Ensure the wind deflector is positioned on the inside of the rails at both sides.



24. Insert the M8 dual T-bolts (No.7) into the underside extrusion channel of the platform and align them with the mounting points on the rails. Once the platform is centred and correctly positioned, secure the T-bolts by tightening with M8 nyloc flange nuts (No.8).



25. Install the M6x20mm Dome Head Bolts (No.17) with a flat washer (No.18) on the outside of the rail. Also, use an M6 flat washer (No.18) on the inside of the wind deflector. Secure with an M6 nyloc nut (No.19) and tighten. Repeat this step on the opposite side.
26. Tighten the flange nuts on the underside of the roof rack to securely fasten the wind deflector.

Your roof rack installation is now complete.