

RHINO-RACK

Toyota Prado 150 Backbone RTPB1

BACKBONE

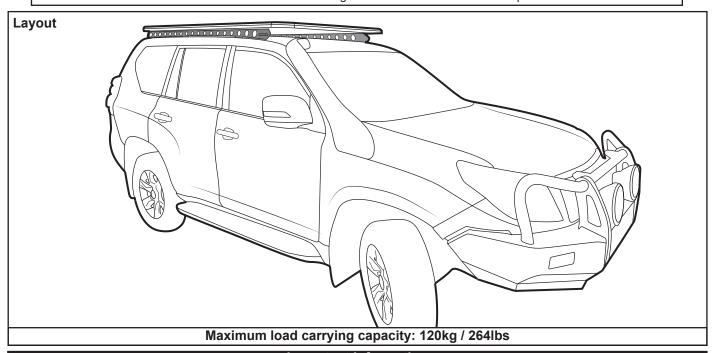
Important:

Please read these instructions carefully prior to installation.

Please refer to your fitting instruction to ensure that the Backbone System is installed in the

correct location.

Check the contents of kit before commencing fitment and report any discrepancies. Place these instructions in the vehicle's glove box after installation is complete.



Important Information

- 1. ☐ Check Part No./Kit is correct 3. ☐ Fit roof rack accessory
- 2. Read through instruction before installing 4. Check and recheck all fasteners are secure

Maximum carrying capacity: 120kg (264lbs) including the weight of the rack system 9kg (20lbs) + Pioneer Platform/Tray.

Please refer to your vehicle manufacturers handbook for maximum carrying capacity. Always use the lower of the two figures. Load must be evenly distributed over the entire basket. **Note: The maximum static load is 360kg (800lbs).**

Warning: Do not attempt to fit the rack system to your vehicle unless you fully understand these fitting instructions. Please direct any questions regarding fitting to the dealer from where the roof racks were purchased.

Use only non-stretch fastening ropes or straps.

Recommendations: It is essential that all bolt connections be checked after driving a short distance when you first install your roof racks. Bolt connections should be checked again at regular intervals (once a week is enough, depending on road conditions, usage, loads and distances travelled). You should also check the roof racks each time they are re-fitted. Always make sure to fasten your load securely. Please also ensure that all loads are evenly distributed and that the centre of gravity is kept as low as possible and must be entirely contained within the extents of the roof racks.

Rack System must be removed when putting vehicle through an automatic car wash.

Caution: The handling characteristics of the vehicle changes when you transport a load on the roof. For safety reasons we recommend you exercise extreme care when transporting wind-resistant loads. Special consideration must be taken into account when cornering and braking.

Off-road use:

The Backbone Rack System may be used in off road applications, however a safety factor of 1.5 is enforced. That is, maximum permissible off road load is **80kg (176lbs)**. Although the crossbars are tested and approved to AS1235-2000/ 15011154, off-road conditions can be much more rigorous. Extreme car must be taken in off road conditions

Note for Dealers and Fitters:

It is your responsibility to ensure these fitting instructions are given to the end user or client.

Rhino-Rack 3 Pike Street, Rydalmere,

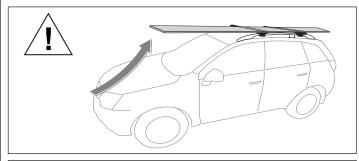
NSW 2116, Australia. Document No: R748
(Ph) (02) 9638 4744 Prepared By: Will Davis
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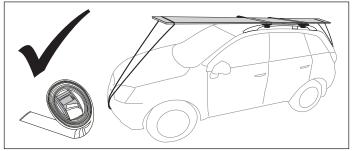
pared By: Will Davis Issue No: 04 chorised By: Chris Murty Issue Date: 24/10/2016

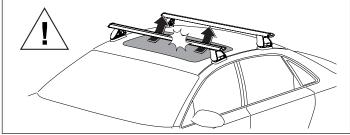
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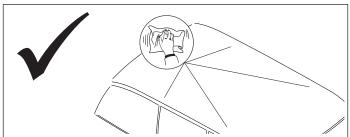


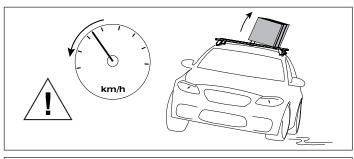
BACKBONE

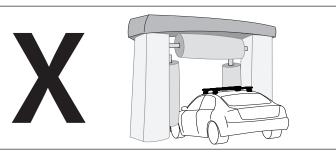


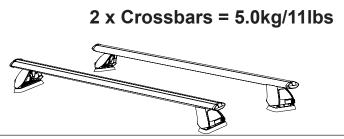


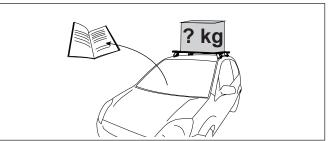








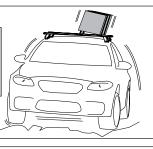


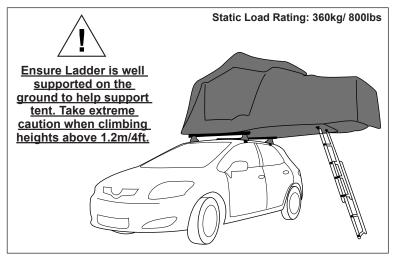


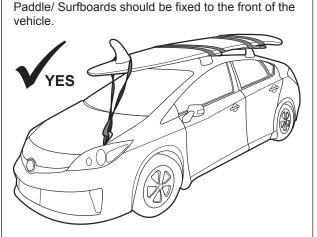
When these roof racks are to be used on a vehicle that is driven off sealed roads, the manufacturer maximum roof load rating (to be found in the vehicles User Manual) should be *divided by 1.5.* Do not forget to subtract the complete crossbar system weight from your maximum carrying capacity.



120kg/264lbs load rating (Urban road) **80kg/176lbs load rating** (Off road - 120kg / 1.5)



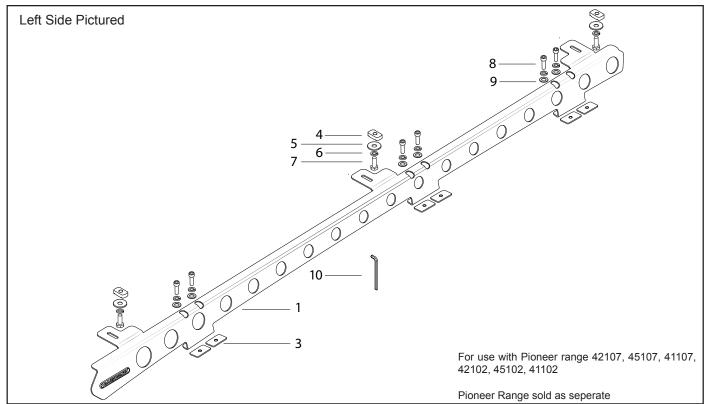




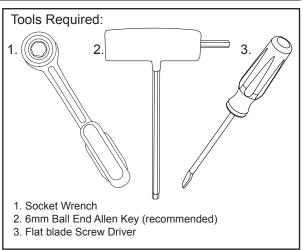




Parts List

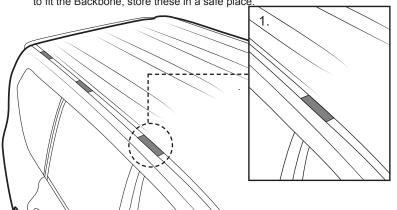


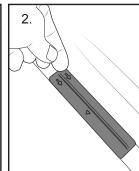
Item	RTPB1 Kit	Qty	Part No.
1	Prado 150 Left Hand Rail	1	CA1626
2	Prado 150 Right Hand Rail	1	CA1627
3	Butyl Patch 40x25 M8 Hole	12	CA1260
4	M8 Channel Nut	6	N003
5	M8x19x2.5mm Flat Washer	6	W043
6	M8 Spring Washer	18	W019
7	M8x25 Hex Setscrew	6	B101
8	M8x30 Socket Head Screw	12	B190
9	M8x17mm Flat Washer	12	W020
10	Short 6mm Allen Key	1	H050
11	Instructions	1	R748

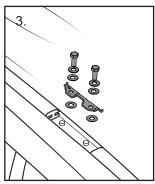


Removing Fixed point mount covers

Move to the roof of the vehicle. If your car is not fitted with factory roof rails, remove the six mounting point covers (three per side). Remove Sliding the cover forward and rotating out. Remove the two M8 bolts, washers and bracket. Note that these are not required to fit the Backbone, store these in a safe place.





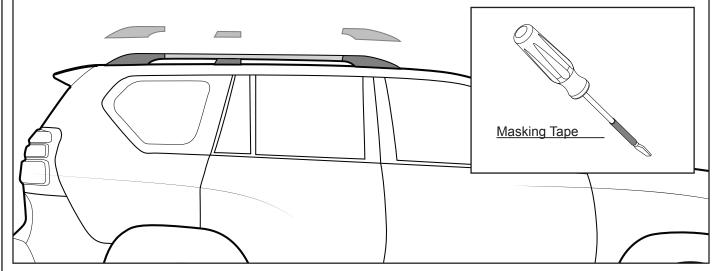




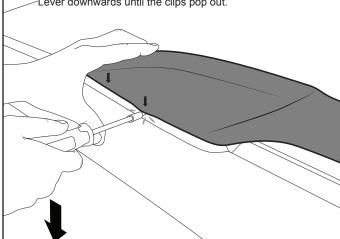




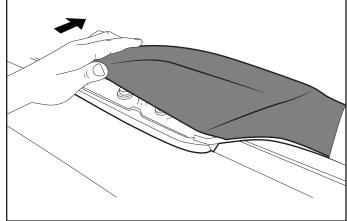
If the Toyota Prado 150 has factory elevated roof rails you will need to remove these before installing the backbone. To access the hardware fixing the roof rails to the roof, you must first remove the plastic covers. You will need a flat head screwdriver to pry the plastic covers off. To minimise potential damage to the vehicle, it's recommended to pad the metal shaft of the screwdriver with multiple layers of masking tape. This will pad the screwdriver if it hits the bodywork of the vehicle.



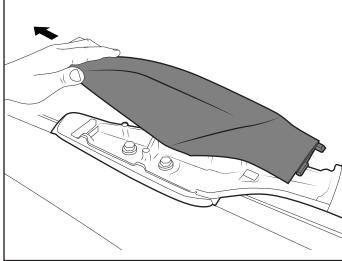
Using the tape covered screwdriver, unclip the two outside clips holding the covers onto the roof rails. You will need to flex the outside of the covers and find where the clips are resisting. Lever downwards until the clips pop out.



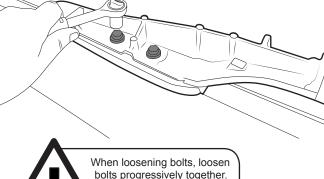
After the outside clips have popped out, push the front of the cover in towards the car. This will release the inside clips of the cover.



Once all clips have been released, pull cover forwards and up to remove completely.

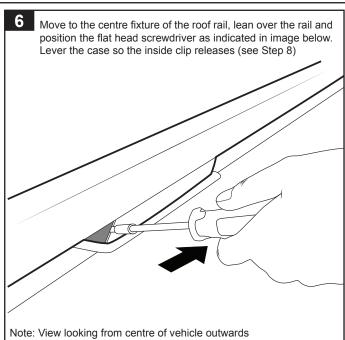


Remove all hardware holding down roof rails. Note that these are not required to fit the Backbone, store these in a safe place. Complete steps 2-5 for front and rear covers, both left and right side.

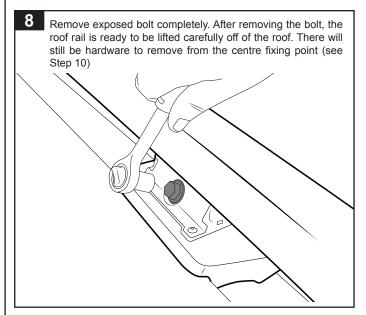


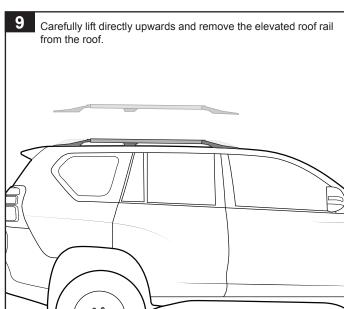


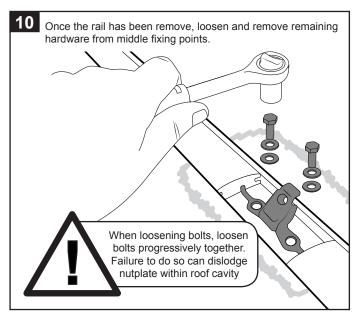
BACKBONE

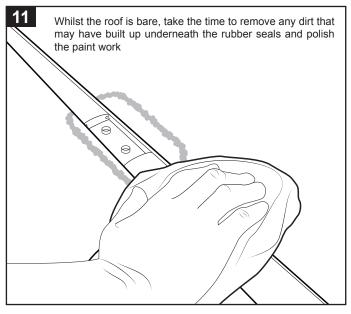








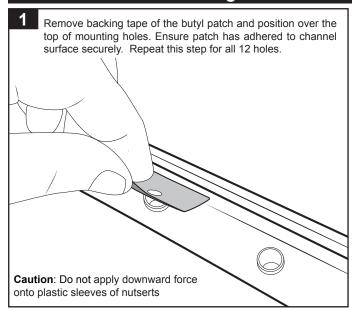


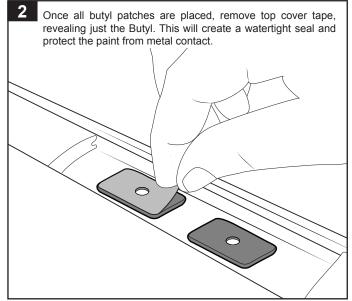


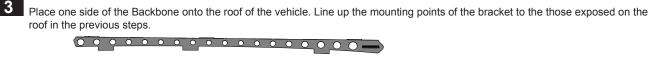


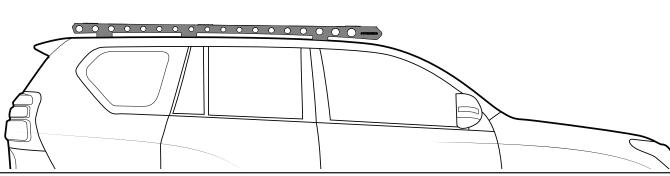
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Mounting Backbone Rails and Pioneer Platform

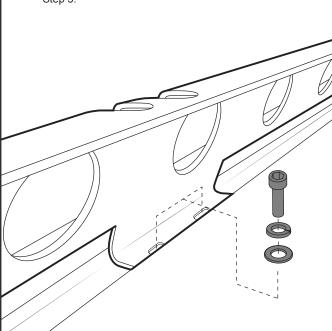




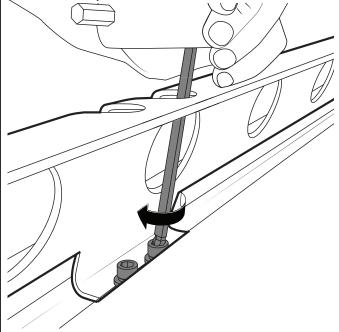




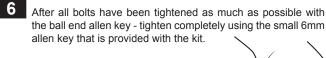
Using the M8 socket screw, M8 spring and flat washer, place hardware into mounting holes of rails. Make sure hardware and holes align with fixed roof mounts before proceeding to Step 5.

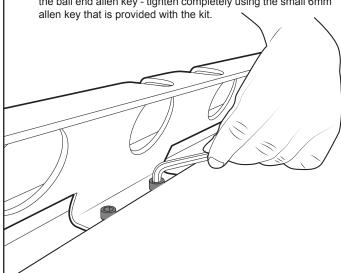


Start securing backone by tightening M8 socket hardware into the roof fixed mount points. Improve speed of installation by tightening as much as possible using 6mm ball end allen key.



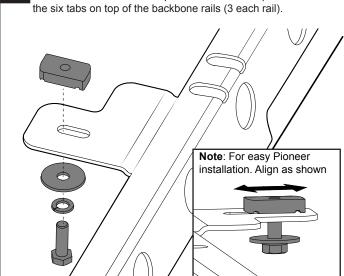






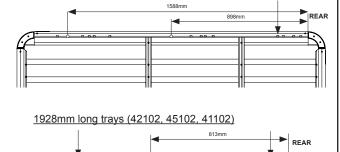
Repeat steps 3-6 for securing opposite side Backbone rail. Ensure both plates are securely positioned on the car. Check each bolt before proceeding to attaching the Pioneer tray to the backbone rails.

Assemble M8 hardware as pictured below. Complete this for

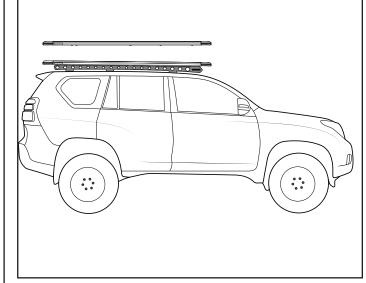


Install Pioneer underbars into positions indicated For detailed instruction - refer to pioneer fitting sheets R1082 and R1088

2128mm long trays (42107, 45107, 41107)



After underbars have been correctly fitted, place the Pioneer tray on top of the Backbone rails. Align the underbars with the top tabs and ensure the M8 hardware fits into underbar channel.



Once Pioneer underbars have been aligned properly, tighten all M8 hardware using 13mm socket wrench or 13mm spanner. Ensure channel nut has rotated within Pioneer

