



# RHINO-RACK

Aerodynamic & Heavy Duty Roof Rack Systems

## RSP17 Rhino – Toyota Landcruiser 200 series Three Crossbar System.

Place these instructions in vehicle's glovebox after installation is complete.

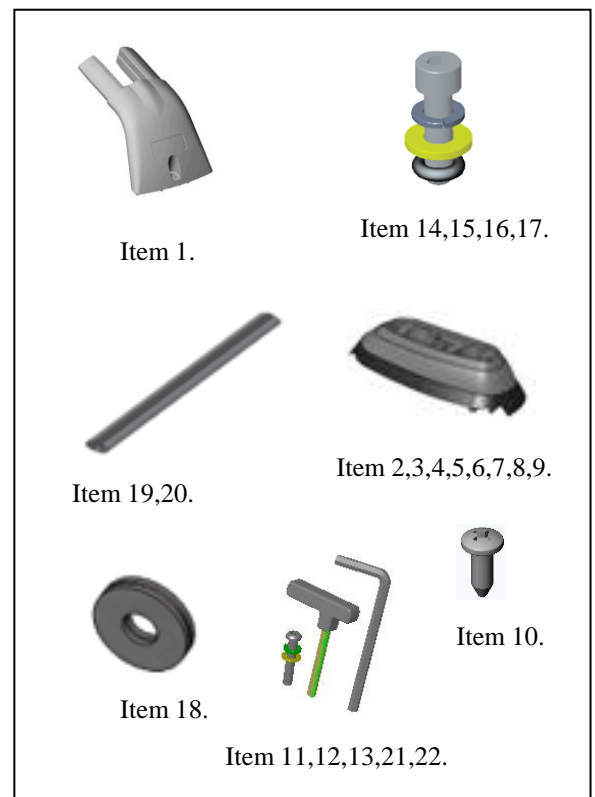
**Important:** Please read these instructions carefully prior to installation.

Please refer to your fitting instruction to ensure that the roof racks are installed in the correct locations.

Check the contents of the kit before commencing fitment and report discrepancies.

### Parts List

Item.	Component Name.	Qty.	Part No.
1	Sports leg.	6	M094
2	Front left mounting pad.	1	M354
3	Front right mounting pad.	1	M355
4	Middle left mounting pad.	1	M356
5	Middle right mounting pad.	1	M357
6	Rear left mounting pad.	1	M358
7	Rear right mounting pad.	1	M359
8	Mounting pad gasket (L).	3	M360
9	Mounting pad gasket (R).	3	M361
10	Phillips head self tapping screw	6	B045
11	M6 x 27mm Security bolts.	6	B063
12	M6 Flat washers.	6	W003
13	M6 Spring washers.	6	W004
14	M8 x 40mm socket head screws.	12	B162
15	M8 Spring washer.	12	W043
16	M8 Flat washers.	12	W019
17	Mounting pad O ring.	12	C299
18	Mounting pad washer and gasket.	12	C588
19	Aero crossbar.	3	A155
20	Crossbar with buffer strip.	3	R011
21	6mm Allen key.	1	H009
22	Security Allen key.	1	H021



### Care Instructions:

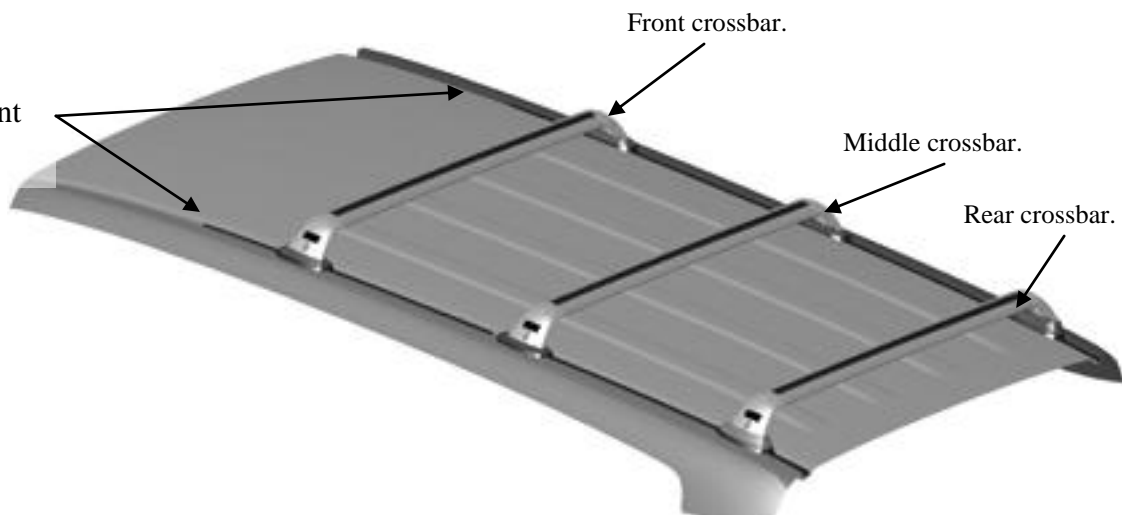
Clean vehicle roof prior to fitting the roof rack.

### Tools required:

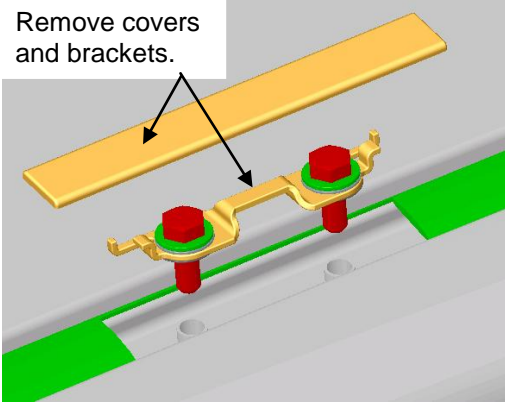
Tape measure, rubber mallet. Allen keys provided in the kit.

### Layout

Do not use the front attachment points.

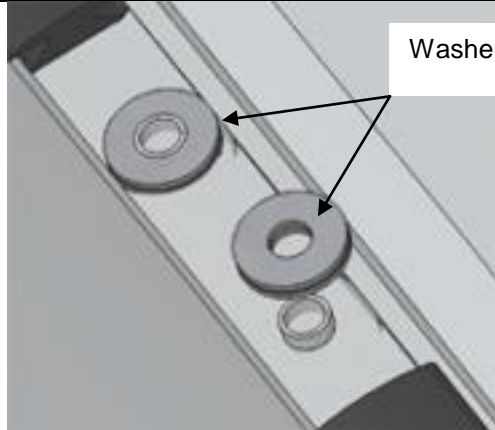


Remove covers and brackets.



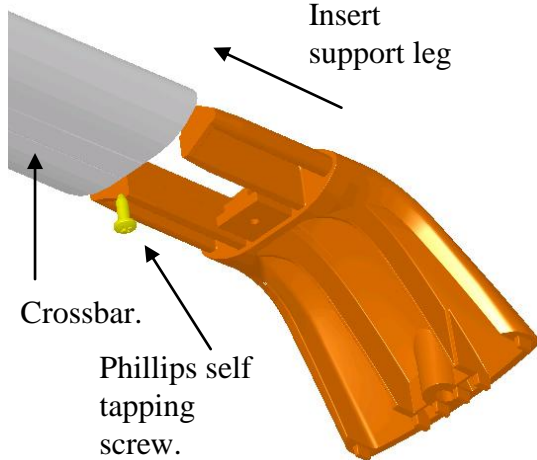
- 1: Remove the roof rack attachment point covers.
- 2: Remove exposed bolts and brackets.  
**Caution: Loosen both bolts then remove. Careful not to push the tube Locators down into the body.**
- 3: Store covers, bolts and brackets in a safe place.  
**Note: The existing bolts and washers are not used to fit the mounting pads.**

Washer gasket.



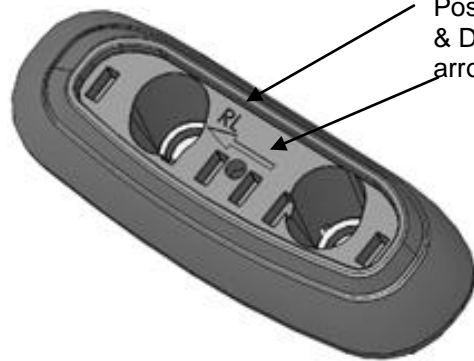
- 4: Place the washer gasket onto protruding plastic tubes in the roof channel.  
**Ensure the washer gasket fully locate on to the tube and contacts the roof.**

Insert support leg

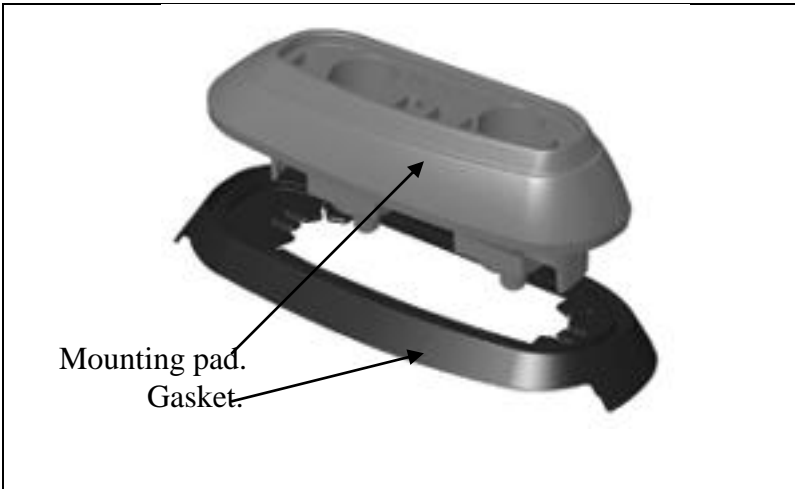


- 5: Insert the support leg fully into the crossbars.
- 6: From the underside of the crossbar insert the Phillips screw into the hole provided and screw into the support leg to secure the leg to the crossbar.

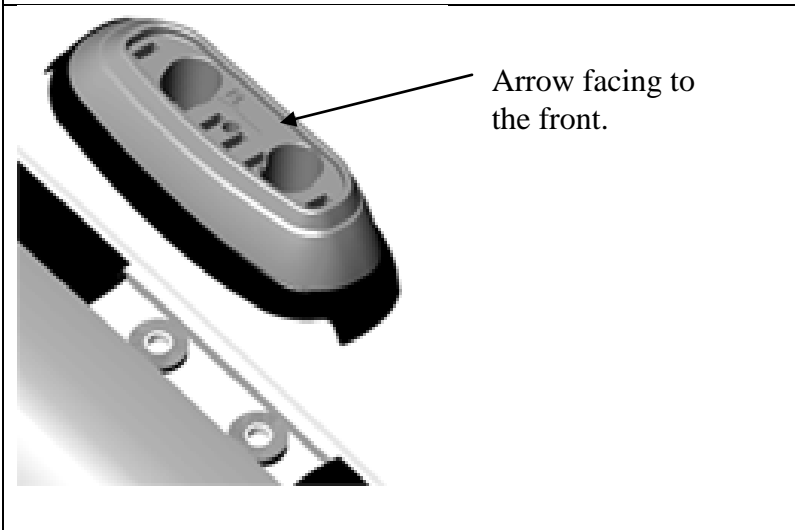
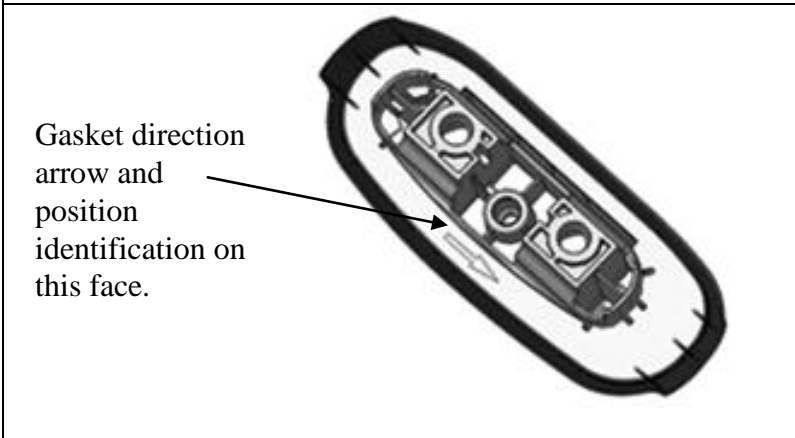
Position code & Direction arrow.



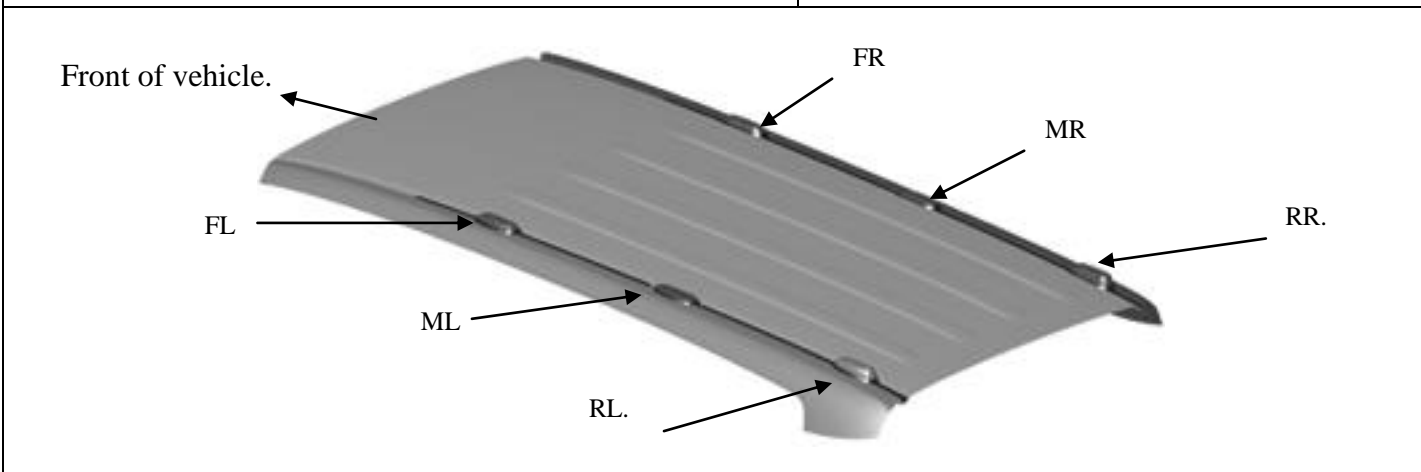
- 7: Each mounting pad is identified with a part number, position code and direction arrow.  
**The arrow must point to the front of the vehicle.**  
The mounting pad position code is as followed: -
  - Front left side pad – FL.
  - Front right side pad – FR.
  - Middle left side pad – ML.
  - Middle right side pad – MR.
  - Rear left side pad – RL.
  - Rear right side pad – RR.

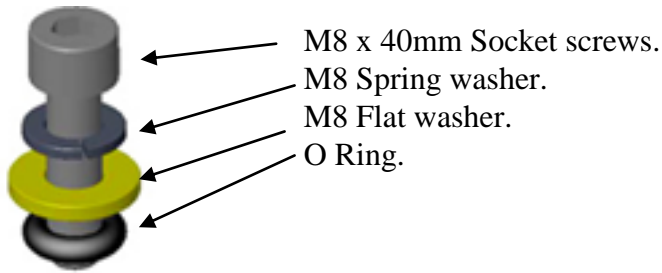


**8:** The mounting pad gaskets are identified L & R. The L gaskets fit the left side pads, the R gaskets the right side gaskets. The direction arrows on the pads and gaskets must face the same direction.  
 L Gasket fit pad, FL, ML, RL.  
 R Gasket fit pad, RL, MR, RR.  
 Turn the mounting pad over push the gasket over the mounting feet and fully fit the gasket over the pad.

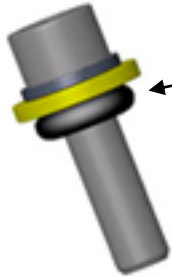


**8:** Using the mounting pad layout in Figure 1 as a guide, place the pads onto there respective positions.  
**Note:**  
**Ensure that the arrows on the pads are pointing to the front of the vehicle.**



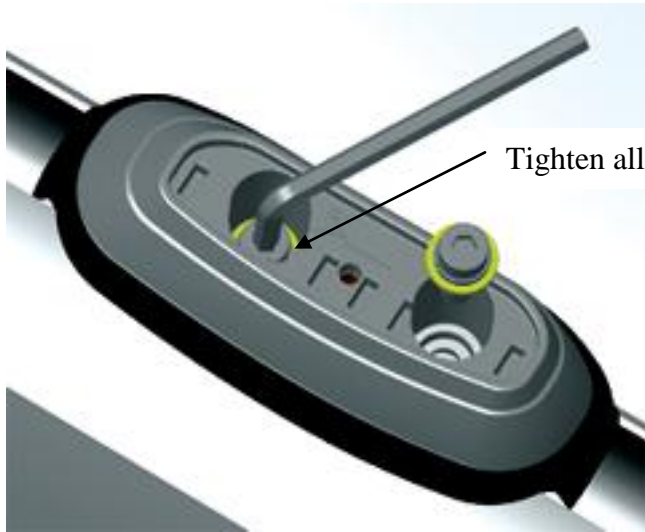


M8 x 40mm Socket screws.  
M8 Spring washer.  
M8 Flat washer.  
O Ring.



The O ring must be in this position prior to inserting the screw assembly into the mounting pad.

**9:** Place the M8 spring washer, M8 flat washer and O-ring onto M8 x 40mm screws. Ensure that the O-ring is pushed up under the flat washer.

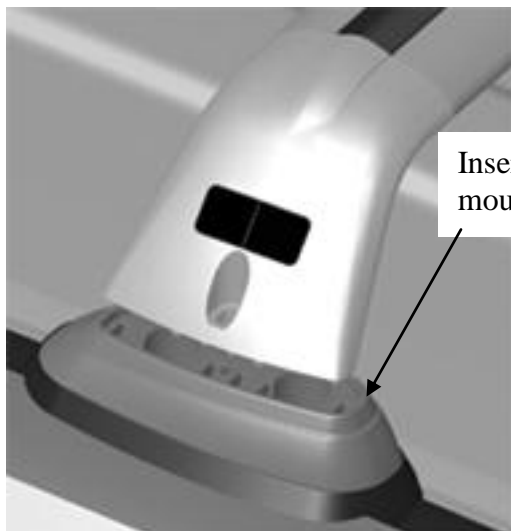


Tighten all screws.

**10:** Insert the assembled screws through the mounting pads and screw into the nutserts in the vehicles roof. Tighten all screws using the 6mm Allen key provided.

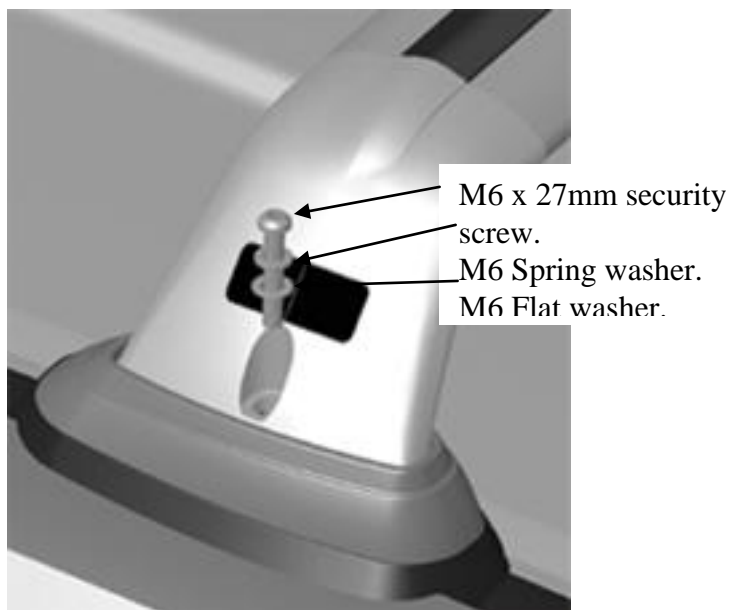
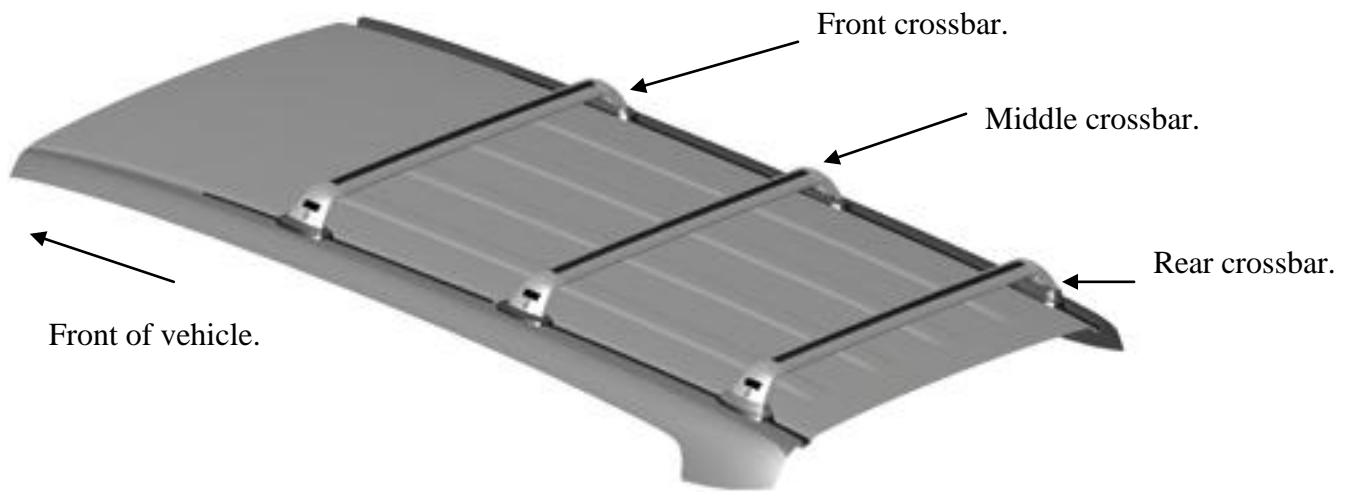
Recommended tightening torque 5N/m.

**DO NOT OVER TIGHTEN.**



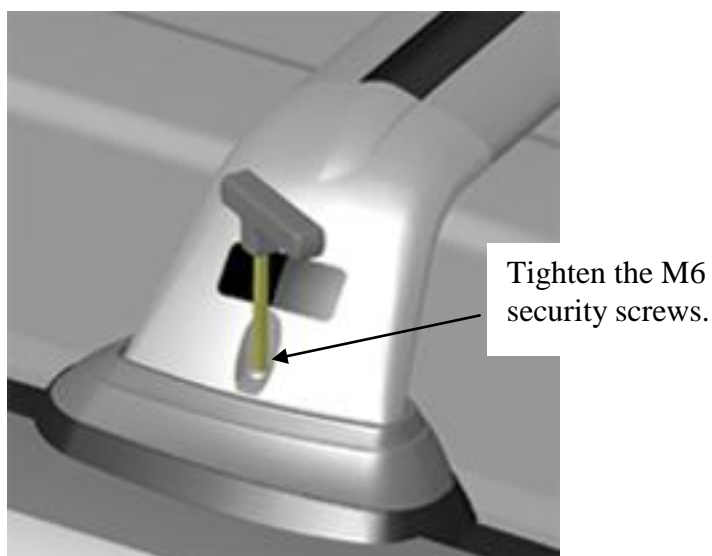
Insert the leg into the mounting pad.

**11:** Insert the support leg assemblies into the mounting pads. The crossbars are identified as **Front, Middle and Rear**, refer the crossbar layout.



**12:** Place the M6 spring washer and M6 flat washer onto the M6 x 27mm security.

**13:** Insert the M6 screw assemble through the support leg and screw into the mounting pad.



**14:** Using the security Allen key provided tighten support leg attachment screws to secure the crossbars.

Recommended tightening torque 4N/m.

**DO NOT OVER TIGHTEN.**

When removing the Aerorack, unscrew the attachment screws and remove the crossbars. The mounting pads remain attached to the roof. Refer the separate instruction for fitting the mounting pad covers.

Store rack and hardware in a safe place.

## **Important information:**

**Maximum carrying capacity – 3 crossbars 150Kgs.**

### **Removing the Crossbar Assembly:**

Insert the security Allen key into the head of the M6 security screw and remove the screw. The mounting pads can remain attached to the vehicle. Install cover plates onto the mounting pads using the M6 crossbar attachment screws. Do not remove the mounting legs from the crossbars. Store crossbars and hardware in a safe place.

### **Refitting the crossbar assembly:**

To refit the crossbar assemblies, place the crossbars onto the mounting pads in their preset positions. Insert the M6 screw assemblies as per the instructions, using the security Allen key to tighten the screw as recommended in instructions

## **Important Information: Recommendations.**

Please refer to the vehicle manufactures operating manual for the maximum roof load rating.

It is essential that all bolts and screws connections are checked after driving a short distance when first install your Rhino-Rack crossbars. Bolt and screw connections should be rechecked again at regular intervals (probably once a week is enough depending on road conditions, usage, load and distances traveled). You should also check the crossbars each time they are refitted.

Crossbars and accessories should be cleaned and all screw threads lubricated at regular intervals.

Rhino-Rack offers a lifetime warranty to the original purchaser of the Rhino-Rack roof rack system and accessories.

Rhino-Rack cannot be held responsible for incorrect mounting of the roof rack system or for usage that exceeds vehicle and production tolerances.

Make sure to fasten your load securely. Please ensure that all loads are evenly distributed and that the centre of gravity is kept as low as possible, use only non-stretch fastening ropes and straps.

### **SENSITIVITY TO CROSSWINDS, BEHAVIOUR IN CURVES AND BRAKING:**

The handling characteristics of the vehicle change when you transport a load on the roof. For safety reasons we recommend you exercise extreme care when transporting wind resisting loads. Special consideration must be taken into account when braking.

### **PLEASE REMOVE CROSSBARS WHEN PUTTING THE VEHICLE THROUGH AN AUTOMATIC CAR WASH.**

### **LOAD RATINGS:**

The vehicle manufactures recommended load rating is the maximum permissible load per pair of bars ( include the weight of the roof racks 5Kg). When roof bars are to be used in extreme off-road conditions, build a safety factor 1.5 into this maximum load limit. Although the roof racks are tested and approved to AS1235-2000, Australian road conditions can be much more rigorous.

### **NOTE FOR FITTERS AND DELALERS:**

It is your responsibility to ensure instructions are give to the end user or client.

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