



# RHINO-RACK

AERODYNAMIC & HEAVY DUTY ROOF RACK SYSTEMS

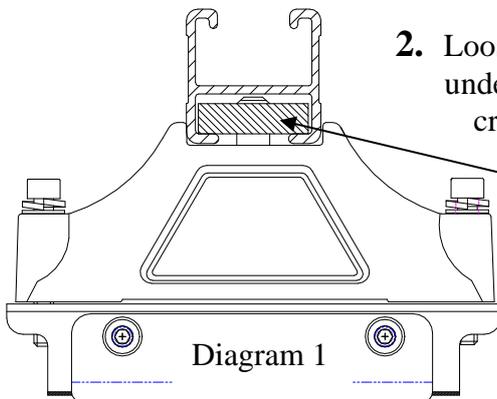
RANGE ROVER 95 On

3 Bar system 80Kg load rating

2 Bar system 50Kg load rating

**YOUR RHINO - RACK IS DESIGNED AND MANUFACTURED IN AUSTRALIA TO MEET THE STRINGENT REQUIREMENTS OF AUSTRALIAN STANDARD AS1235-2000.  
ONLY USE RHINO - RACK APPROVED ACCESSORIES.**

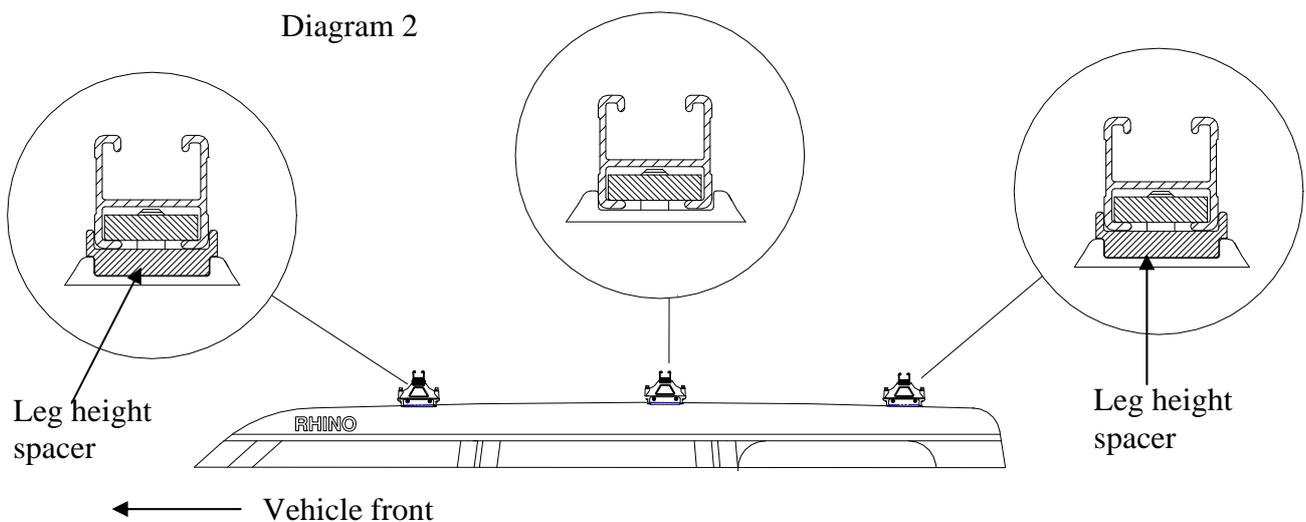
1. Carefully slide back the Roof Rack attachment point covers into the cover strip to expose the roof rack mounting brackets.



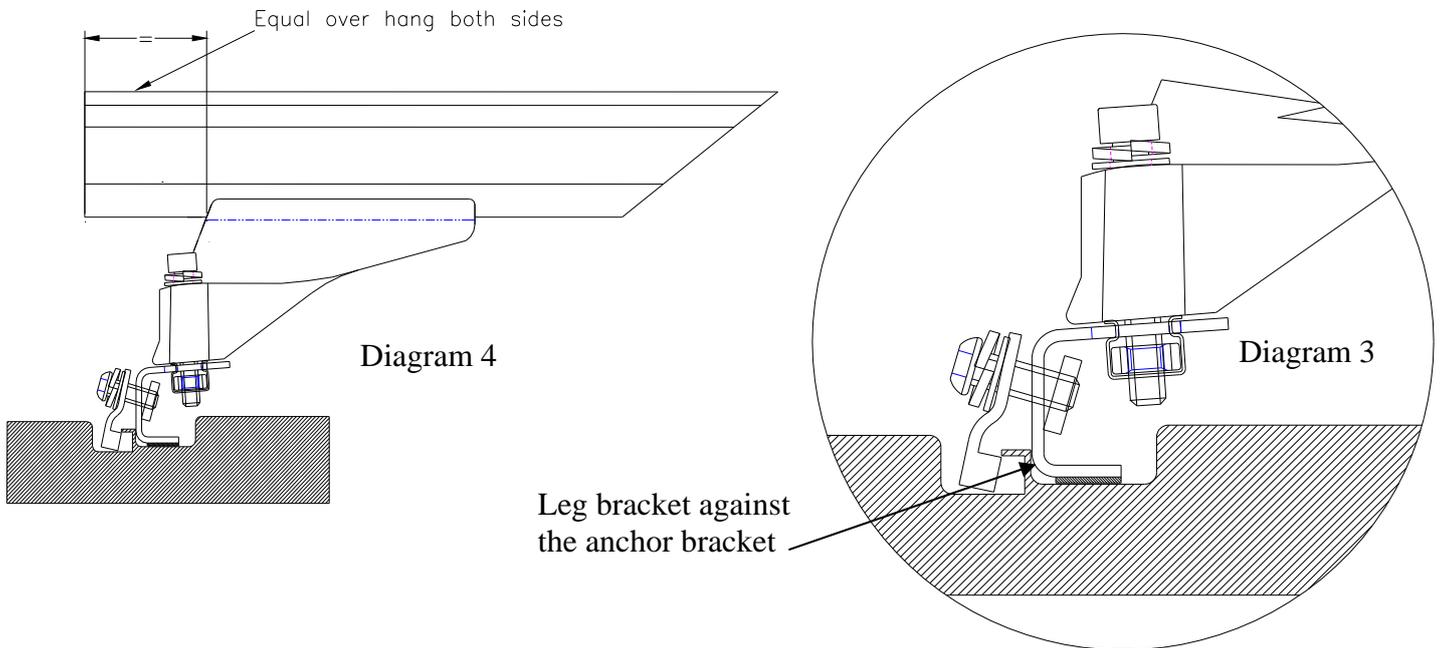
2. Loosen the channel nut on top of the legs to allow it to slot into the underside of the crossbar. Place the crossbar onto the legs. Push the crossbar attachment bolt and channel nut down into the crossbar and rotate to allow the channel nut to lock in position. If the **channel nut** does not rotate into position, loosen and repeat. **The channel nut must rotate into position.** Refer Diagram 1. **Leave the attachment bolts loose so that the crossbar can be adjusted when fitting to the vehicle.**

3. **For three bar system only**

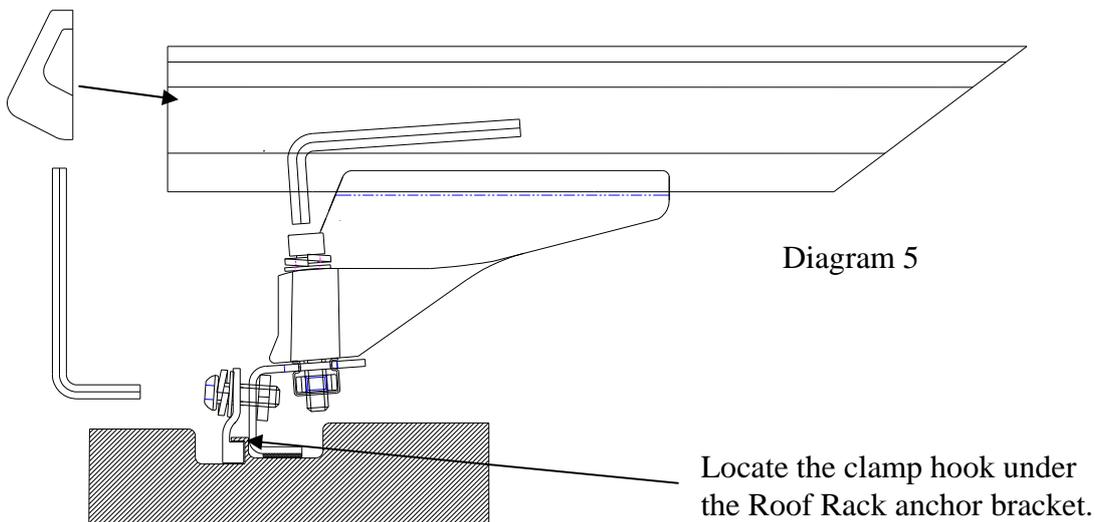
The leg height spacers are fitted to the front and rear bars only. Refer Diagram 2



4. Place the Roof Rack down into the Roof rack attachment point recesses, ensuring that the leg bracket is behind the Roof Rack attachment anchor bracket. Refer Diagram 3. Adjust the crossbar so that the crossbar overhang is equal on both sides of the vehicle (Refer diagram 4) and the leg bracket is **against the anchor bracket**. Refer Diagram 3.



5. With leg bracket in place, push the clamp in and locate the clamp hook under the Roof rack anchor bracket, finger tighten the clamp screws. Refer Diagram 5.



6. Tighten the crossbar attachment bolts to 20 Nm torque.
7. Tighten the leg to bracket attachment bolts using the Allen key provided. **Recommended Torque 6Nm.**

8. Progressively tighten each pair of clamp screws alternatively for each pair of rack bar sets until the Rack bars are secure, using the Allen key provided. **Recommended Torque 6 NM.**
9. Visually recheck that the channel nuts are fully rotated into place by looking through end of the crossbar. Readjust if required. Refer Diagram 1. Insert the end caps into the ends of the crossbar and gently knock into place with rubber mallet. Refer Diagram 5.

## ***RECOMMENDATIONS***

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

**Please Note** that the vehicles roof load rating may be less than the roof bar load rating.

It is essential that all bolt connections are checked after driving a short distance when you first install your Rhino - Rack. Bolt connections should be checked again at regular intervals (probably once a week is enough, depending on road conditions, usage, loads and distances travelled). You should also check the roof bars each time they are refitted.

Roof bars and accessories should be cleaned and all screw threads should be lubricated at regular intervals. This will help avoid damage to your vehicles paint surface. Always clean the vehicle roof and the mounting brackets before fitting the roof bars.

Rhino-Rack offers a 12 month warranty to the original purchaser of the Rhino-Rack Roof Bar Systems and Accessories. Rhino-Rack cannot be held responsible for incorrect mounting of the roof bars or for usage that exceeds production tolerances.

Make sure to fasten the 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 of the car 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 braking.

**PLEASE REMOVE ROOF BARS WHEN PUTTING VEHICLE THROUGH AUTOMATIC CAR WASH.**

## ***LOAD RATINGS***

Maximum permissible load is **80Kg for 3 Roof bars & 50Kg for 2 Roof bars** (include the weight of the roof bars, (7.5Kg for three bars and 5kg for 2 bars). When roof bars are to be used in extreme off-road conditions, please build a safety factor of 1.5 into this load limit (60kg for three bars and 38Kg for two bars). Although roof bars are tested and approved to AS1235-2000, Australian road conditions can be much more rigorous. However, increasing the number of crossbars does not increase the vehicles maximum permissible roof loading. **Note for dealers and fitters.** It is your responsibility to ensure instructions are given to the end user or supplier.

Manufactured by Rhino-Rack

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