



CONTROLLED **RHINO-RACK**

AERODYNAMIC & HEAVY DUTY ROOF RACK SYSTEMS

LAND ROVER FREELANDER 4 DOOR WAGON 2/98 On

**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 remove the Roof Rack attachment point covers located in the roof channel cover strips.
2. Remove the bolts from the attachment points and store in safe place. Place the mounting brackets over the attachment point bolt holes ensuring that the brackets are parallel to each other, insert the Rhino supplied attachment bolts and spring washers, tighten the mounting bracket to the roof using the Allen key provided.
The front and rear mounting brackets must be attached as per diagram 1

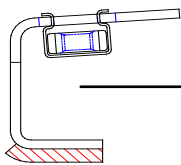
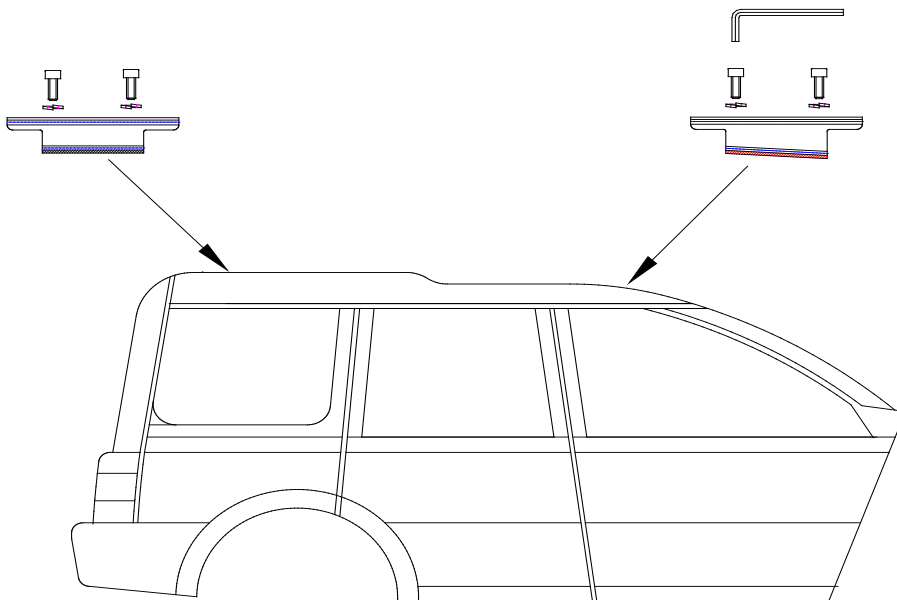


Diagram 1

BRACKET MUST FACE INWARDS TO CENTER OF VEHICLE.

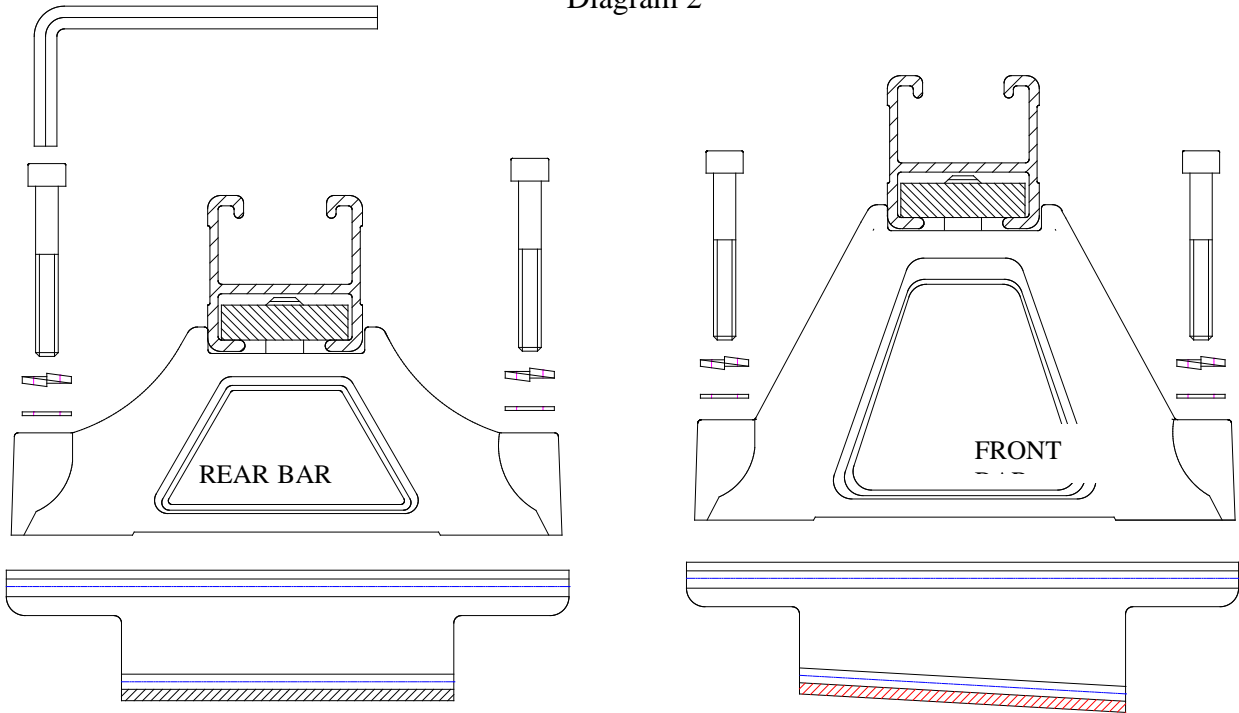


3. Loosen the channel nut on top of the legs to allow it to slot into the underside of the crossbar. Place the crossbar onto the legs. Push the crossbar attachment bolt and channel nut down into the crossbar and rotate to allow the channel nut to lock in position. If the channel nut does not rotate into position, loosen and repeat.

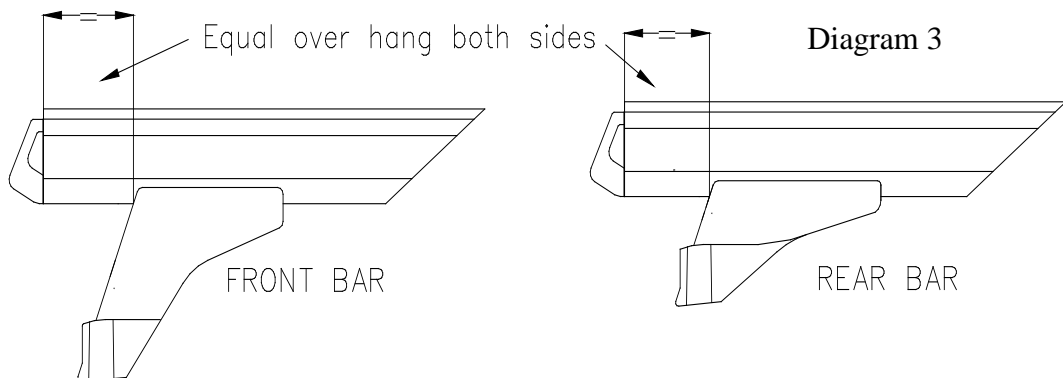
3 cont:

The channel nut must rotate into position. Refer diagram 2. Leave the attachment bolts loose so that the crossbar can be adjusted when fitting to the vehicle.

Diagram 2



4. Place the roof bar assembly onto the mounting brackets in the correct position. Refer diagram 2 . Assemble the flat and spring washers onto the bolts and insert through the leg and screw into the bracket (two bolts per leg) and finger tighten.
5. Adjust the crossbar so that crossbar over hang is equal on both sides. Refer Diagram 3. **Tighten the attachment bolts to 20 Nm torque.**



6. Progressively tighten each pair of the roof bar attachment bolts alternatively for each rack bar set until the rack bar is secure, using the Allen key provided. **Recommended Torque 6 Nm.**
7. Insert the rubber buffer strip by placing the one edge of the strip into crossbar recess and apply downward force to the other edge. Ensure that the rubber buffer strip is fully seated into the crossbar.

8. Visually recheck that the channel nuts are fully rotated into place by looking through end of the crossbar. Readjust if required. Refer Diagram 2. Insert the end caps into the ends of the crossbar and gently knock into place with rubber mallet.

RECOMMENDATION

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 **90kg per pair** of roof bars (include the weight of the roof bars, 5kg). 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 per pair). 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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