



# RHINO-RACK

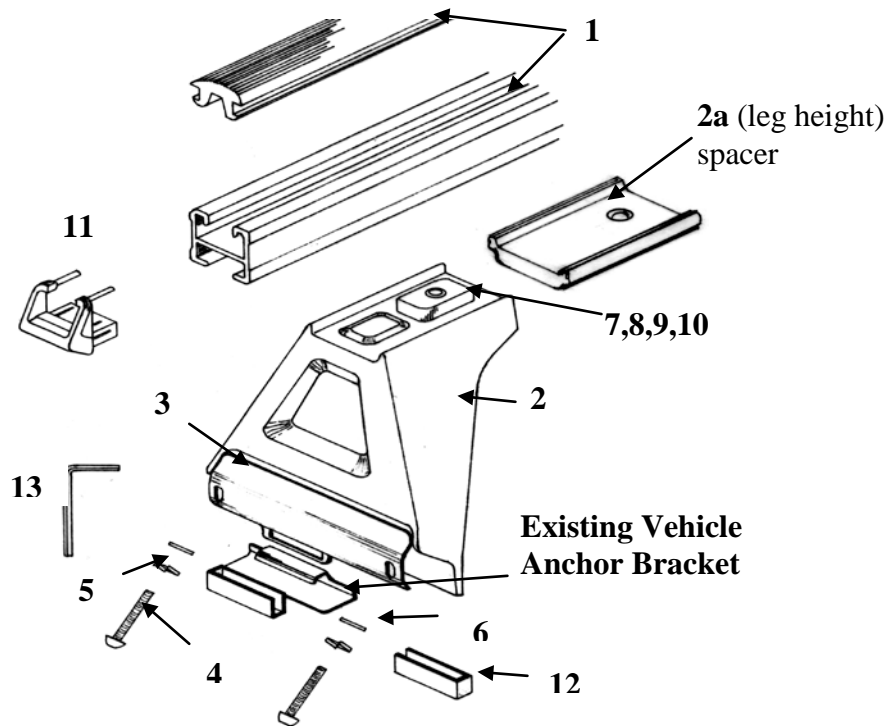
AERODYNAMIC & HEAVY DUTY ROOF RACK SYSTEMS

## 4WD Roof Rack Fitting Instructions

Applicable Model: Mitsubishi Pajero NM. 05/00on

This roof rack system is tested to AS1235 – 2000. For 3 Bar system 75kg load rating.  
For 2 Bar System 50Kg load rating.

### Parts List Sketch



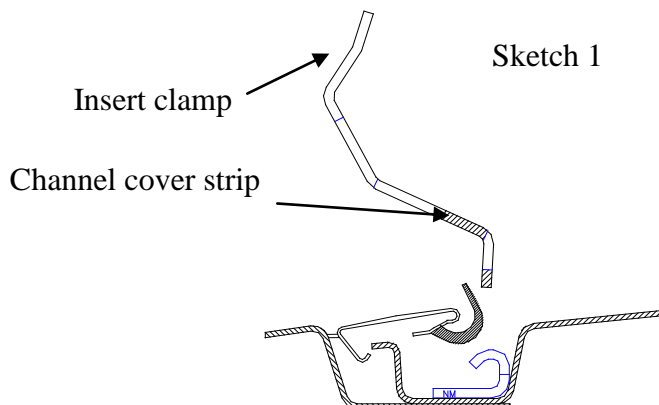
### PREFITTING INFORMATION.

The roof rack system is designed to fit on to existing roof rack anchor brackets located in the roof channels, under the cover strips.

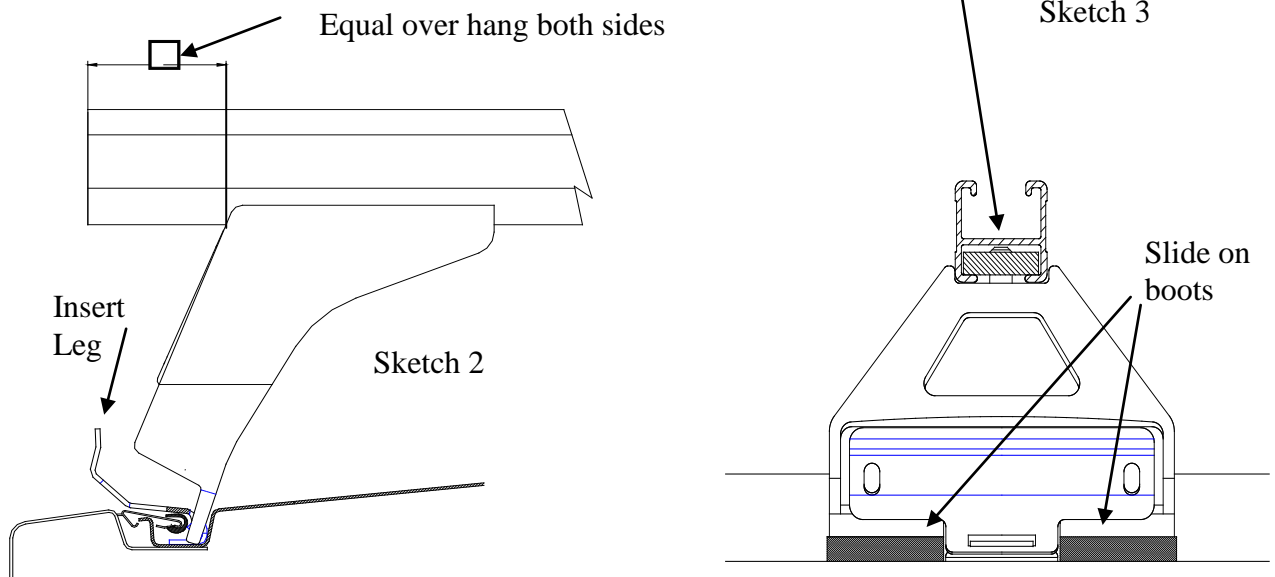
**When installing a Three bar system. The leg height spacers (Part 2a) are installed on the front and rear bars only.**

### HOW TO FIT YOUR PAJERO ROOF BARS

1. Locate the roof rack anchor brackets, three each side of the vehicle by lifting the channel cover strip. Slide the clamp down into the channel and hook the slot in the clamp onto the anchor bracket and lean the clamp towards the outside of the vehicle. Refer Sketch 1



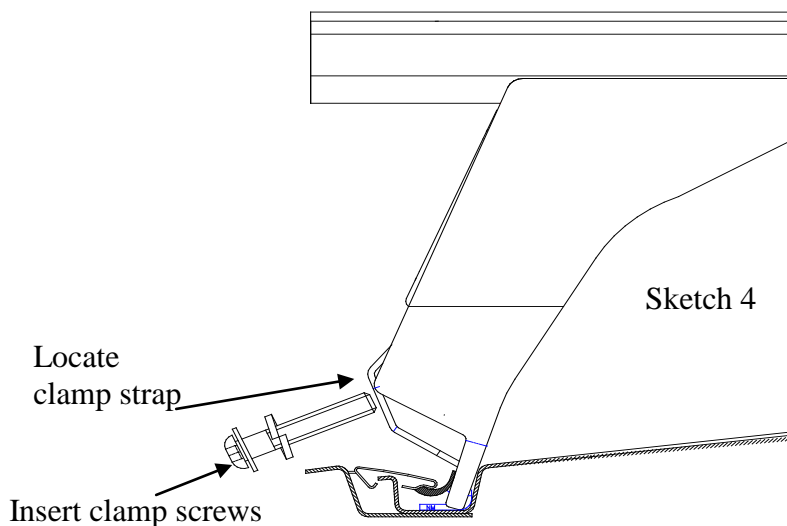
- Loosen the channel nut on top of the legs to allow it to slot into the underside of the crossbar. Check the fitment of the crossbar prior to fitting the legs on to the vehicle. Refer Parts list sketch.
- Place the crossbar onto the legs. Refer Sketch 2. Push the crossbar to leg attachment bolt and channel nut up into the crossbar and rotate anti-clockwise to allow the channel nut to lock into position. If the channel nut does not rotate into position, loosen and repeat. **The channel nut must rotate into position.** Refer Sketch 3. **Leave the attachment bolts loose so that the legs can be adjusted when fitting to the vehicle.**



- Insert the legs into the channel between the clamp strap and roof edge with leg blade cut out over the anchor bracket. Refer Sketch 2. The leg blade cut out must be centrally located over the anchor bracket.

Tighten the attachment bolts just enough to allow the crossbar to seat in to the legs, Adjust the crossbar so that the cross bar over hang is equal. (Refer Sketch 2). **Tighten both attachment bolts to 20 Nm Torque.**

- Lift the leg, slide the rubber boots on to the blade then relocate the leg. Refer Sketch 3, recheck that the leg blade cut out over the anchor bracket.



- Locate the clamp, inward to contact the leg, assemble the spring washer and flat washer onto the

button head clamp screws. Insert the button head clamp screws through the clamp strap holes and start the screw in the dowel nut, progressively tighten each pair of screws alternatively for each rack bar set until the rack bar is secure, use the allen key provided. Refer Sketch 4. **Recommended Torque 6 Nm.**

7. Insert the rubber buffer strip by placing one edge of the strip into crossbar recess and apply a 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 Sketch 3. Insert the end caps into the ends of the cross bar and gently knock into place with a rubber mallet.
9. When you remove the rack bars, unscrew the screws, remove the clamp, remove the rack bars, ensure that the leg boots are removed from the roof channel.

To store the rack bars, attach the clamp straps and screws, tape the boots to the legs.

### **RECOMMENDATIONS**

Please refer to your vehicle operating manual 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 4WD Roof 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 leg brackets before fitting the roof bars.

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 **75 kg for two bar roof bars**, and **100 kg for three bars** (including the weight of the roof bars, 5kg for two bars and 7.5 kg for three 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 (50 Kg for two bars and 67 Kg for three bars). Although roof bars are tested and approved to AS1235-2000, Australian road conditions can be much more rigorous. However, increasing the number of cross bars 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, 17 Euston Street, Rydalmere, NSW 2116 Australia.**

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