



# RHINO-RACK

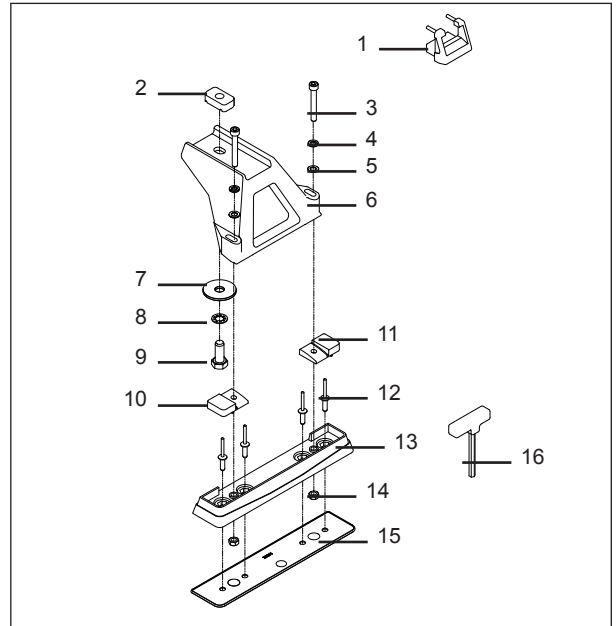
## RFMS & RFMPS Rhino Heavy Duty - Fixed Mount

Place these instructions in the vehicle's glove box 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 kit before commencing fitment and report any discrepancies.

### Parts List

Item	Component Name	Qty.	Part No.
1	HD End Cap sold separately		
2	M10 Channel Nut	2	N024
3	M6 x 45mm Button Head Security Screw	4	B091
4	M6 Spring Washer	4	W004
5	M6 x 12.5mm Flat Washer	4	W003
6	Heavy Duty RLTF Leg	2	M010
7	M10 x 38mm x 2.5mm Flat Washer	2	W022
8	M10 Shakeproof Washer	2	W021
9	M10 x 25mm Hex Bolt	2	B071
10	Fixed Mount Pad Right Insert	2	M042
11	Fixed Mount Pad Left Insert	2	M041
12	Rivet	8	H008
13	Heavy Duty Fixed Mount Pad	2	M040
14	M6 Hex Nut	4	N022
15	PVC Foam Gasket	2	C135
16	5mm Security Allen Key	1	Torkey-s
17	Fitting Instruction	1	RR33



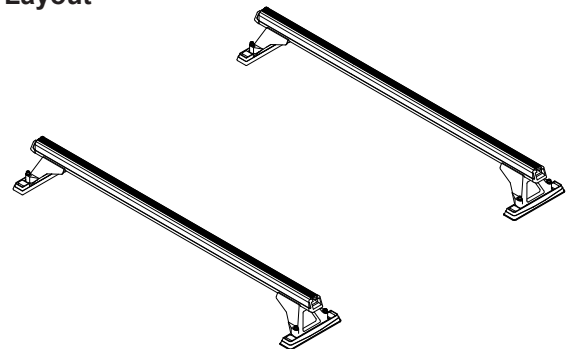
### Tools Required

- Security type allen key, provided in kit
- Stanley knife
- Marking pen
- Masking tape
- Centre punch
- Power or cordless drill
- 5mm drill bit
- Drill stop
- Vacuum cleaner
- Pneumatic or concertina type rivet gun
- Galvanised paint
- Selleys Butyl Mastic
- Measuring tape
- 16mm or 5/8" spanner

### Care Instruction

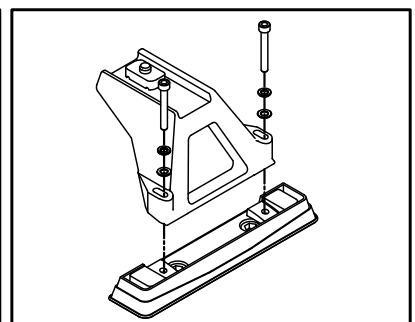
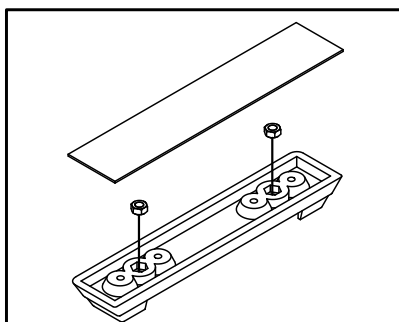
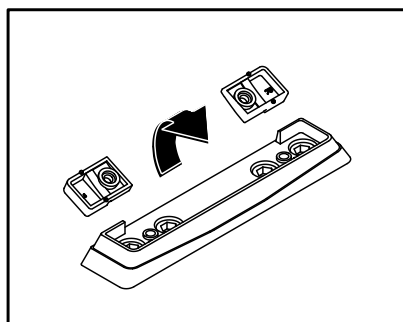
Wash and clean vehicle roof prior to installation.

### Layout



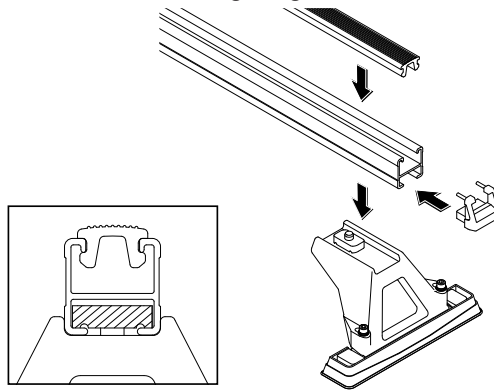
Locate inserts as shown. Install nuts, apply gasket as shown. With stanley knife, carefully trim gasket. Attach pad to leg as shown. Finger tighten security screws.

**1**



Install crossbar onto the legs. Position legs at end of crossbar. Push the leg hex bolt up and turn the bolt so that channel nut is fully located across the crossbar. Finger tighten hex bolt as the legs will require adjustment when placed onto the vehicle.

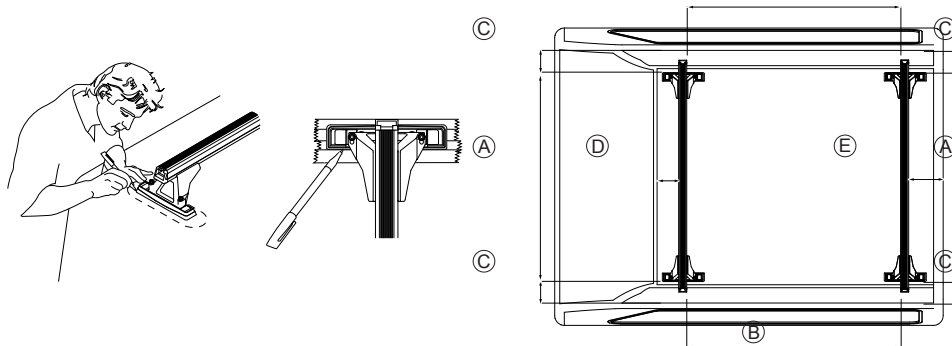
**2**



Locate masking tape where pads are to be positioned. The pads must be fitted as far apart as possible on the outer edge of the vehicle roof. The pad base must still have full contact with the vehicle roof. Place the crossbar and leg assembly onto the roof and mark track holes. Once location has been decided check on underside of roof for clearance. Ensure crossbars are located as shown.

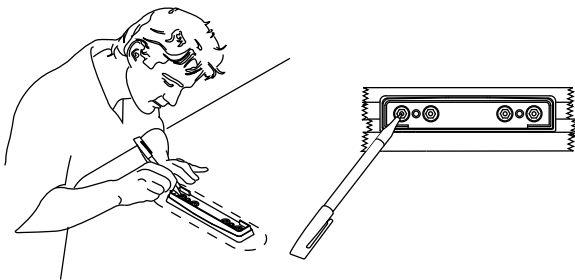
(B)

**3**



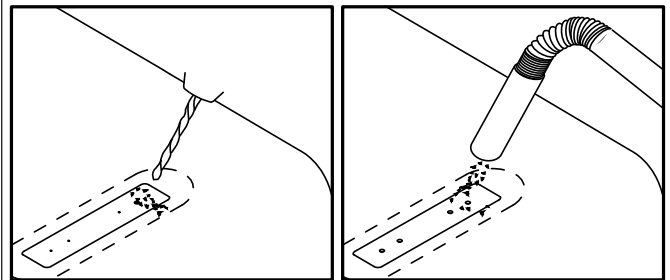
Remove pads from legs. Remove inserts, relocate pads, mark holes and accurately centre punch all holes for drilling.

**4**



Drill holes using a 5mm drill bit. A drill stop is recommended to prevent drilling through roof lining. Vacuum vehicle roof to remove metal filings, remove masking tape.

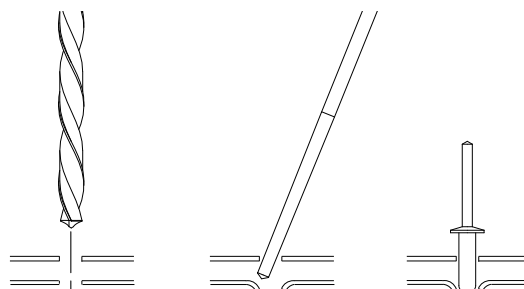
**5**



A rivet must be located into each hole and checked that it fully penetrates. If a second skin is encountered, drill second skin then with a centre punch counter sink the hole to allow clearance for rivet.

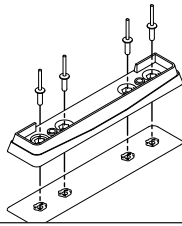
Note: Failing to do this correctly may result in vehicle roof damage due to rivet catching on second skin.

**6**



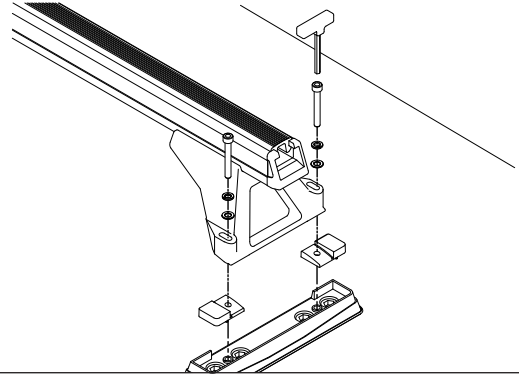
Apply cold galvanising paint around holes, once dry apply Selleys Butyl Mastic. Place pads on roof and rivet as shown.

7



Attach crossbars to pads as shown. Tighten bolt to 3-4Nm.

8



## Important Information

### RECOMMENDATIONS

Please refer to your vehicle manufacturers operating manual for maximum roof load rating.

It is essential that all bolt connections be checked after driving a short distance when you first install your Rhino Heavy Duty Crossbars.

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.

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

Rhino-Rack offers a 3 year warranty to the original purchaser of the Rhino Heavy Duty 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 OR 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 VEHICLE THROUGH AN AUTOMATIC CAR WASH

### LOAD RATINGS

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

### NOTE FOR FITTERS AND DEALERS

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

Rhino-Rack

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