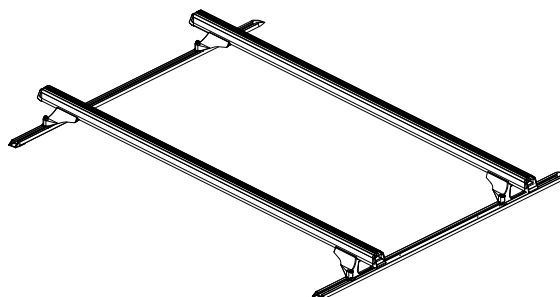




**CONTROLLED**

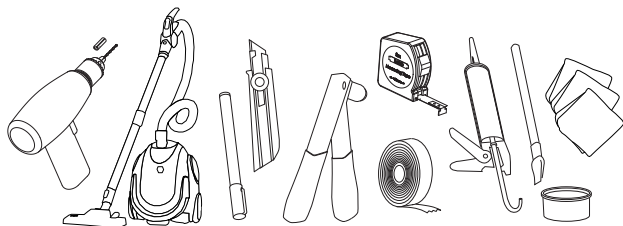
# RHINO-RACK

## Rhino Track Mount System



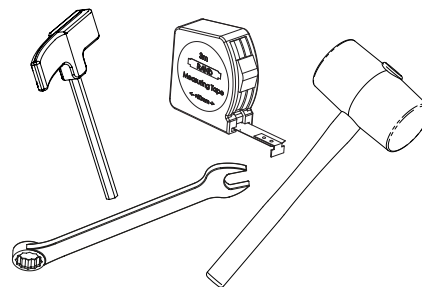
### Tools required, Track install:

Power drill	Measuring tape
Drill stop	Masking tape
5mm (3/16") drill bit	Automotive Butyl Sealant
Vacuum Cleaner	Caulking gun
Felt tip pen	Cold Galvanising solution
Carton knife	Paint brush
Rivet gun/Pneumatic	Rag



### Tools required, Legs/Heavy Duty Crossbars install:

5mm Torque Allen key (supplied)  
Measuring tape  
16mm spanner  
Rubber mallet



**Maximum carrying capacity for the track system is 100kg (220lbs).**

**Please refer to your vehicle manufacturers handbook for the maximum roof loading of your vehicle. Always use lower of the two figures.**

### Recommendations:

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

**Crossbars must be removed when putting vehicle through an automatic car wash.**

**Use only non-stretch fastening ropes or straps.**

**Caution:** The handling characteristics of the vehicle 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 cornering and braking.

### Load Ratings:

Maximum permissible load is 100kg (220lbs) for two crossbars including the weight of the crossbars, 5kg (11lbs). When crossbars are to be used in off-road conditions, please build a safety factor of 1.5 into this load limit for off-road use, two crossbars = 66kg (145lbs). Although the crossbars are tested and approved to AS1235-2000, Off-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 client.

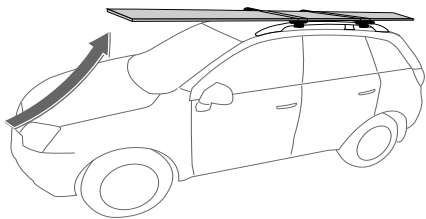

Rhino-Rack  
3 Pike Street, Rydalmere,  
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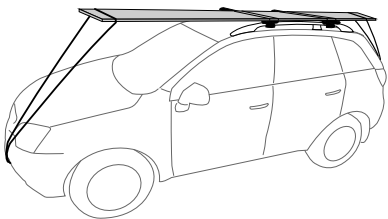
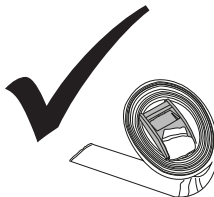
Document No: RR04  
Prepared By: Craig Jones  
Authorised By: Chris Murty

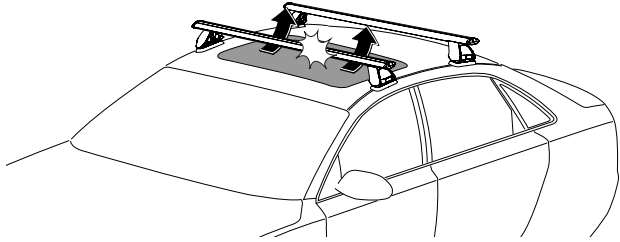

Issue No: 05  
Issue Date: 22/12/2014

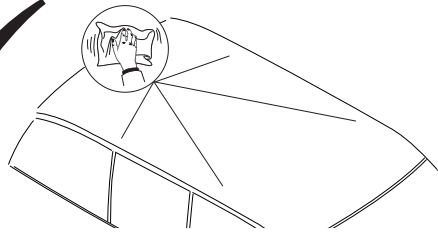

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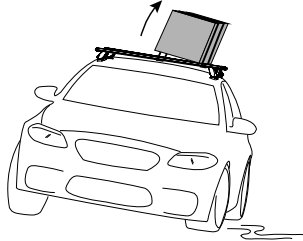
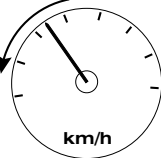

**WARNING!**

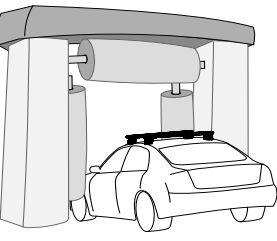



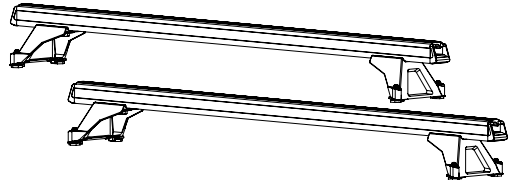




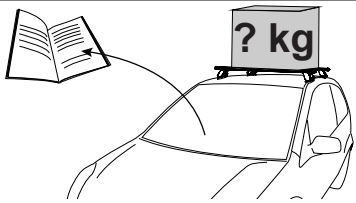


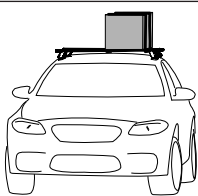






**2 x Crossbars  
5kg/11lbs**

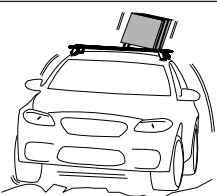




**Max. 100kg/220lbs  
Urban road**

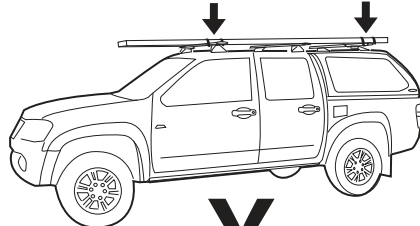
**=**

**Max. 66kg/145lbs  
Off-road**

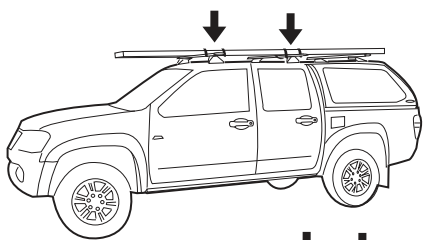


**WARNING! Important Load Carrying Instructions**

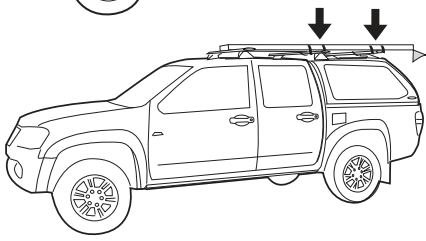
With utility vehicles, the cabin and the canopy move independently. Roofracks and vehicle can be damaged if the item transported is rigidly fixed at points on both the cabin and canopy. Instead, rigidly fix to either the cabin roofracks or the canopy roofracks.



**X NO**



**YES**







**YES**

- Please refer to your vehicle manufacturers handbook for maximum roof load capacity.
- Any load transported on Roof Racks must be evenly distributed.
- Instructions are to remain with the vehicle.
- Do not attempt to fit the roof racks to your vehicle unless you fully read and understand the fitting instructions provided.
- Please direct any questions to the dealer from where the roof racks were purchased.
- Check the contents of this kit before commencing fitment and report any discrepancies.

















**Rhino Track Mount System**

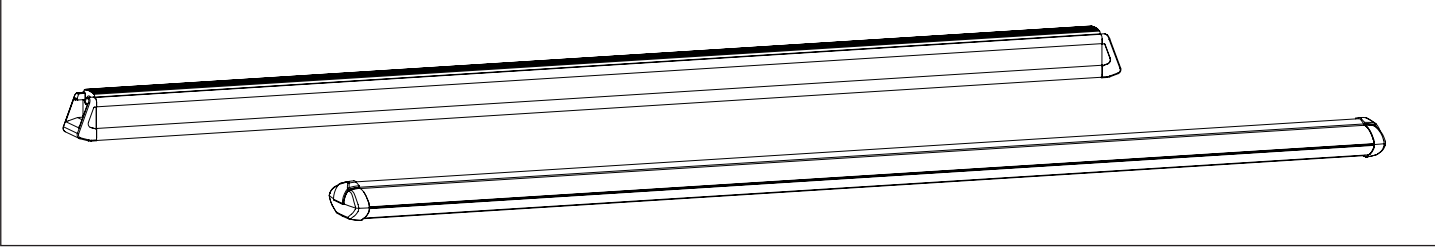
**Parts List - Track Kit. Sold separately.**

Item	Component Name	Qty.	Part No.	
1	RT Track (available in various lengths)	2	N9460	
2	Track end cap	4	M006	
3	Rivet (quantities depend on length of track)	-	H004	
4	Fitting instruction	1	RR04	

**Parts List - Leg Kit. Sold separately.**

Item	Component Name	Qty.	Part No.	
1	Track mount Leg (50mm or 80mm)	2	M057	
			M010	
2	M6 hex brass nut	4	N009	
3	M6 spring washer	4	W004	
4	M6 flat washer	4	W003	
5	M6 x 35mm security screw	4	B092	
6	M10 flat washer	2	W022	
7	M10 shakeproof washer	2	W021	
8	M10 x 25mm hex bolt	2	B071	
9	M10 channel nut	2	N024	
10	Track wedge	4	M148	
11	Crossbar end cap Sold separately		M002	
12	5mm Torque Allen key	1	TORKEY-S	
13	Fitting instruction	1	RR04	

**Crossbars. Sold separately.**





Rhino Track Mount System

Refer pages 5-7 for more detailed track fitting of the following vehicles only.

CHEVROLET SILVERADO .....page 5

CHEVROLET AVALANCHE.....page 5

GMC SIERRA .....page 5

NISSAN TITAN .....page 6

HONDA PILOT .....page 6 & 7

1

Insert a rubber buffer strip into top of each crossbar.

2

Track mount leg hardware assembly.

M10 channel nut

Track mount Leg

M10 flat washer

M10 shakeproof washer

M10 x 25mm hex bolt

M6 x 35mm security screw

M6 spring washer

M6 flat washer

Wedge

M6 brass nut

3

Insert legs into each end of the crossbars. Check that the channel nut is located across the bar as shown in Figure 4a. Do not tighten at this stage.

Channel nut must locate across the bar when tight.

Figure 4a



Rhino Track Mount System

4 Place the tracks on the roof to determine their best position. Tracks should be as far apart as possible. Measure the width as guide to the following step. Apply masking tape to the roof where the tracks will be positioned.

**CHEVROLET SILVERADO Ext. Cab**  
**CHEVROLET AVALANCHE**  
**GMC SIERRA Ext. Cab**

Align rear of track with rear edge of rear door. Measure 10mm (3/8") from edge of roof channel to outer edge of the track as shown below. Measure to make sure tracks are parallel across the vehicle. Track length equals 900mm (35.4").

TRACK

Roof channel

10mm (3/8")

FRONT

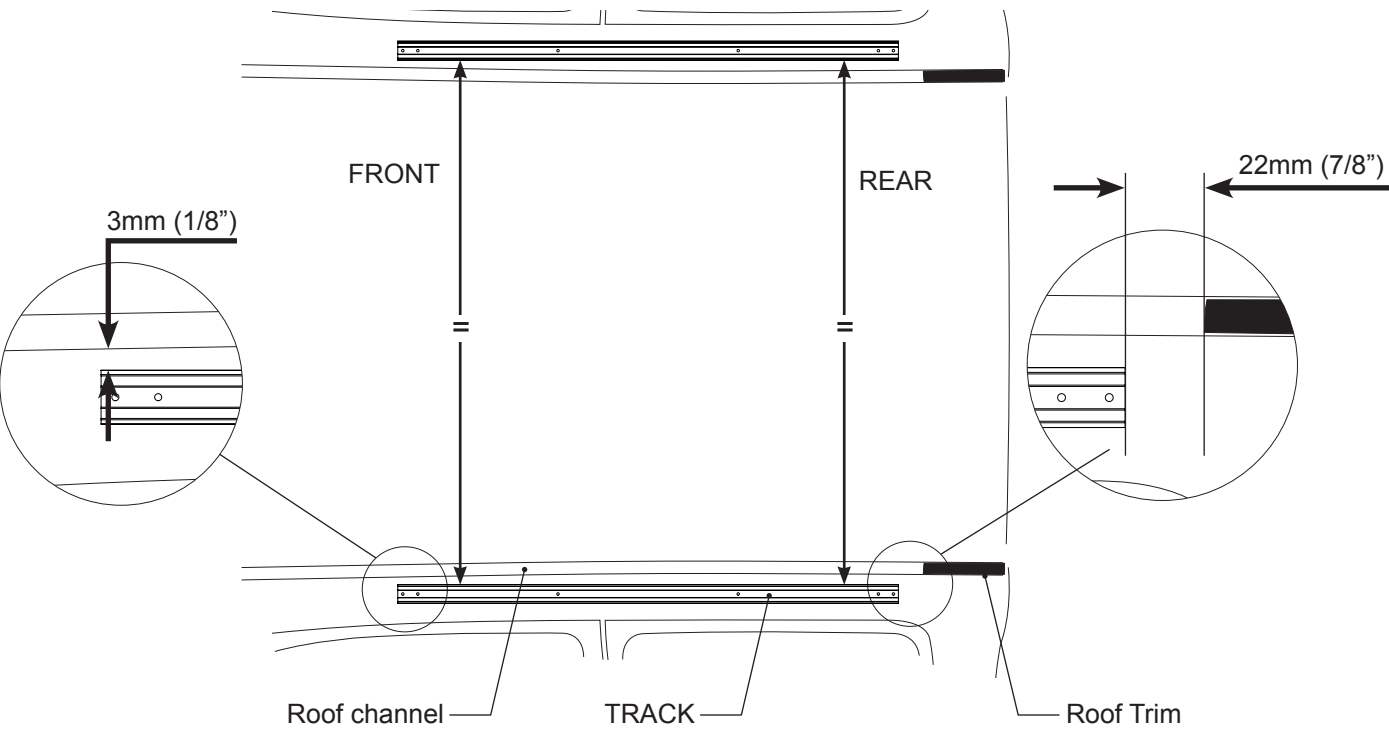
REAR

Edge of door



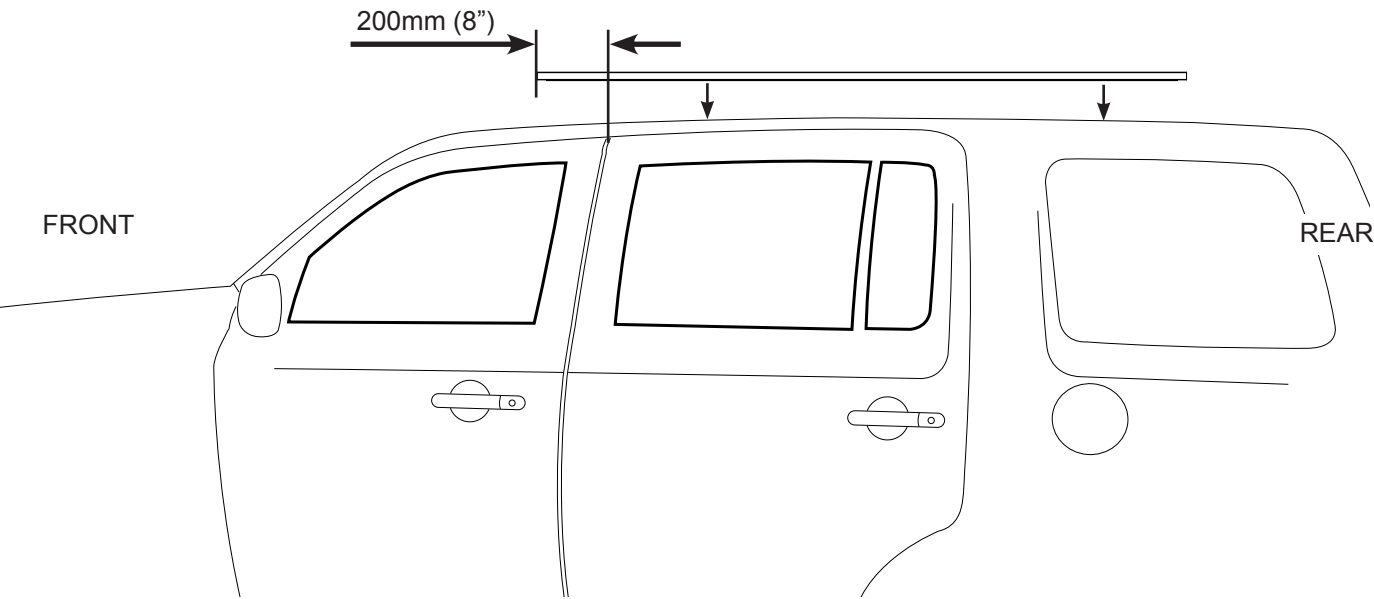
NISSAN TITAN

Measure 3mm (1/8") from outer edge of roof channel to inner edge of the track. Measure to make sure tracks are parallel across the vehicle. Measure 22mm (7/8") forward of the rear roof trim piece to rear of track as shown below. Track length equals 1000mm (39.4").



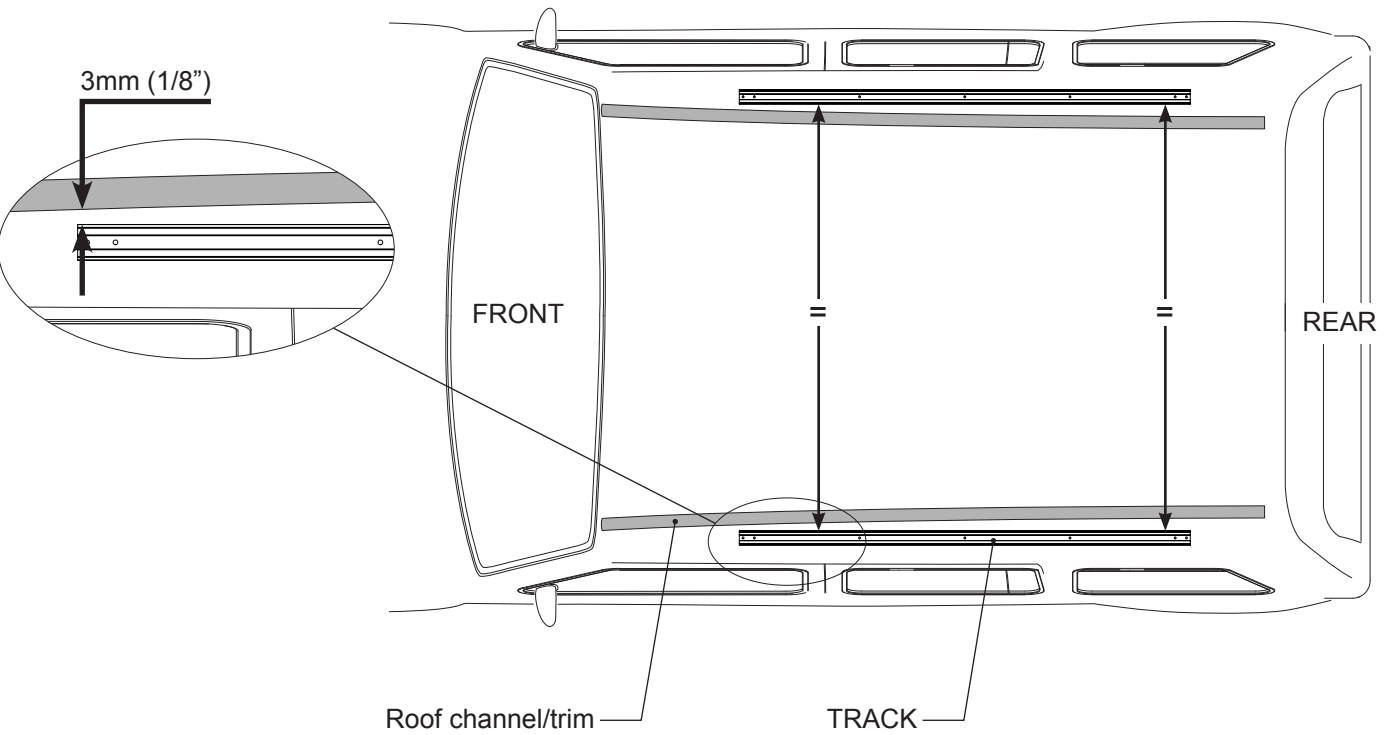
HONDA PILOT

1. Measure 200mm (8") from front door jamb to front of the track as shown below.

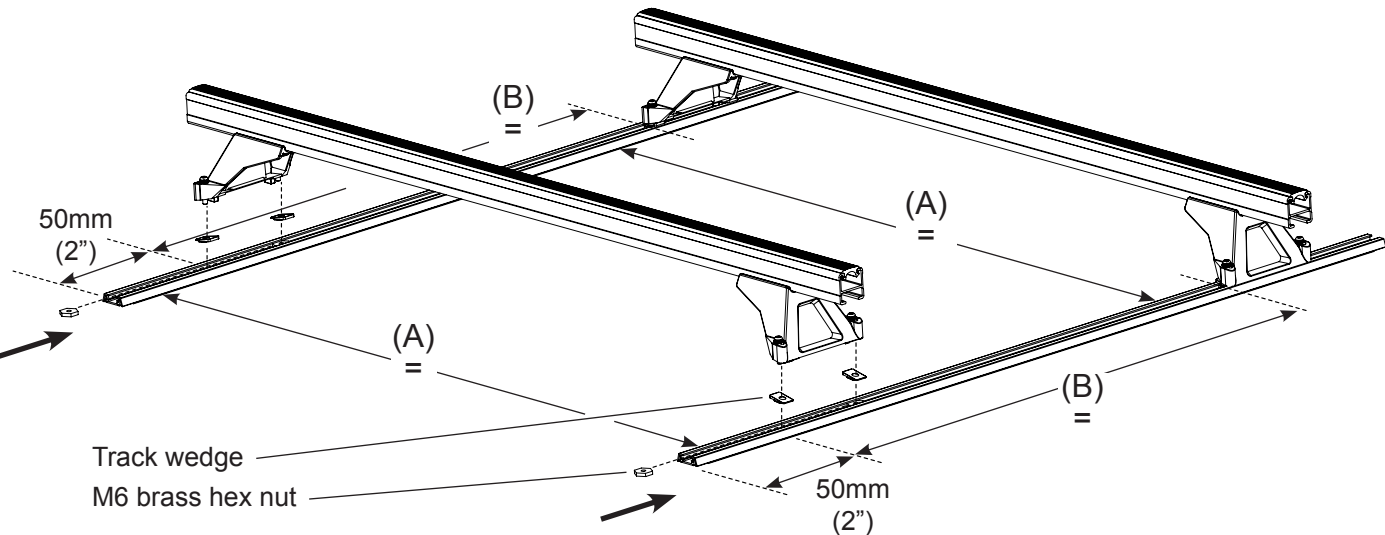


HONDA PILOT

2. Measure 3mm (1/8") from outer edge of roof channel/trim to inner edge of the track as shown below. Measure to make sure tracks are parallel across the vehicle. Track length equals 1400mm (55.1").



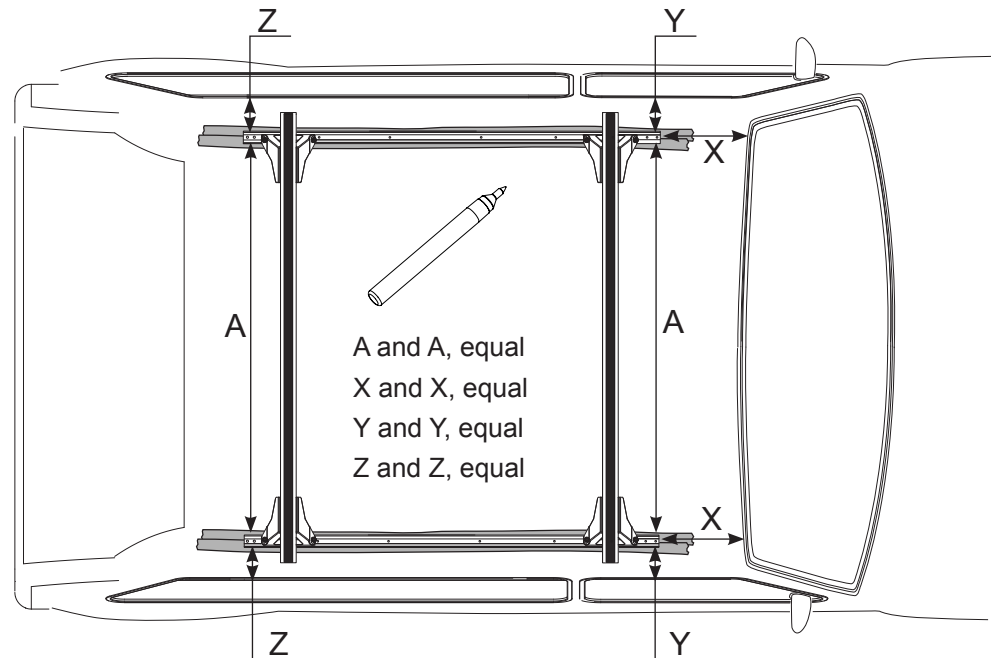
5 Assemble the tracks, legs and crossbars on a flat surface. Measure to ensure tracks are parallel and the legs & crossbars are evenly spaced. Make sure all of the holes in the track are visible. For measurement (A) use the previous step as a guide. Fasten the M6 leg screws and M10 bolts so they are secure enough not to move. Do not overtighten. Place the whole system onto the vehicles roof.



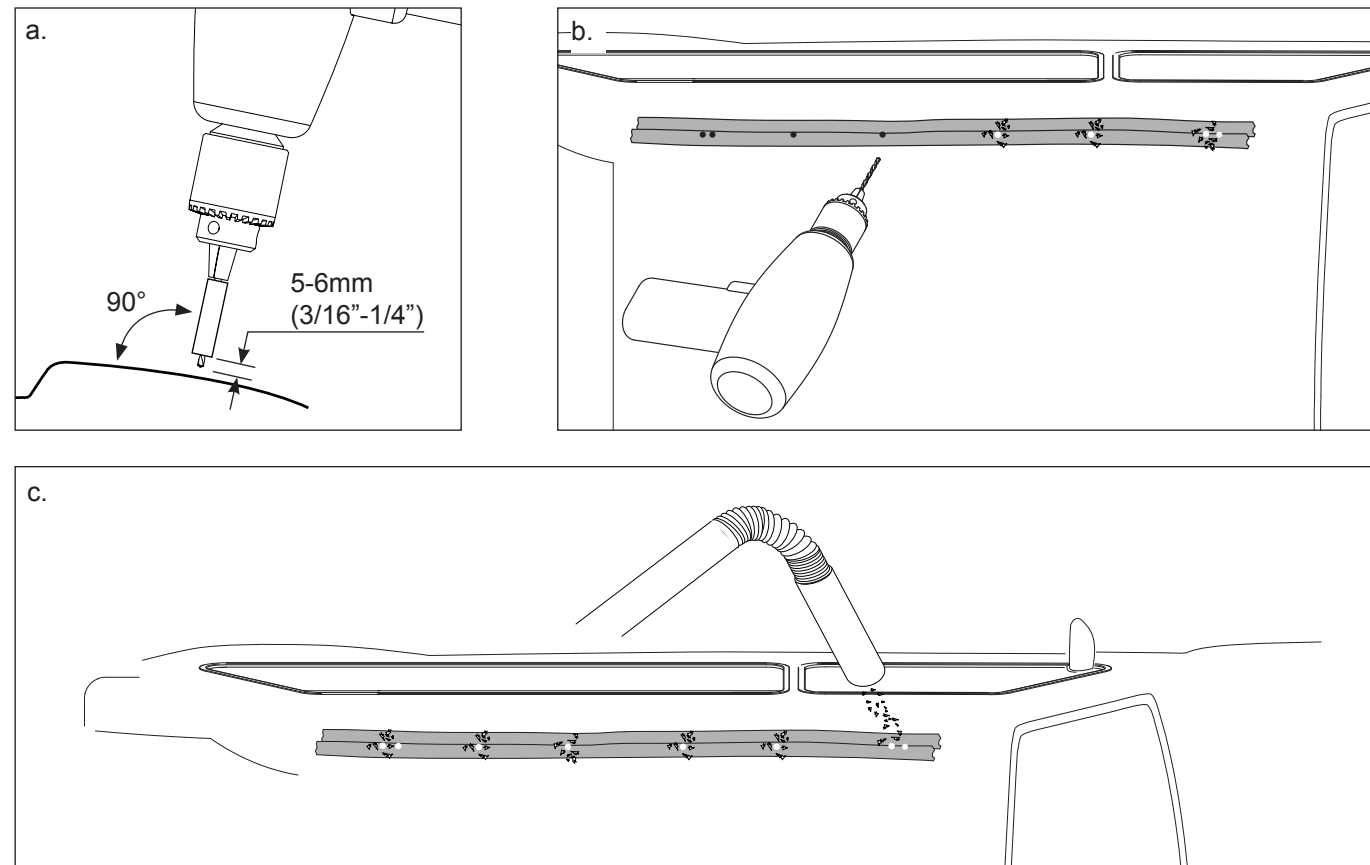


# Rhino Track Mount System

- 6 Place assembled tracks, legs and crossbars on the vehicles roof as shown. Adjust system so corresponding measurements are equal. With a felt tip pen place a mark at each hole in the track. Check that your measurements and holes are correct before drilling. Remove track & crossbar assembly from the roof. Remove the crossbars & legs from the tracks.

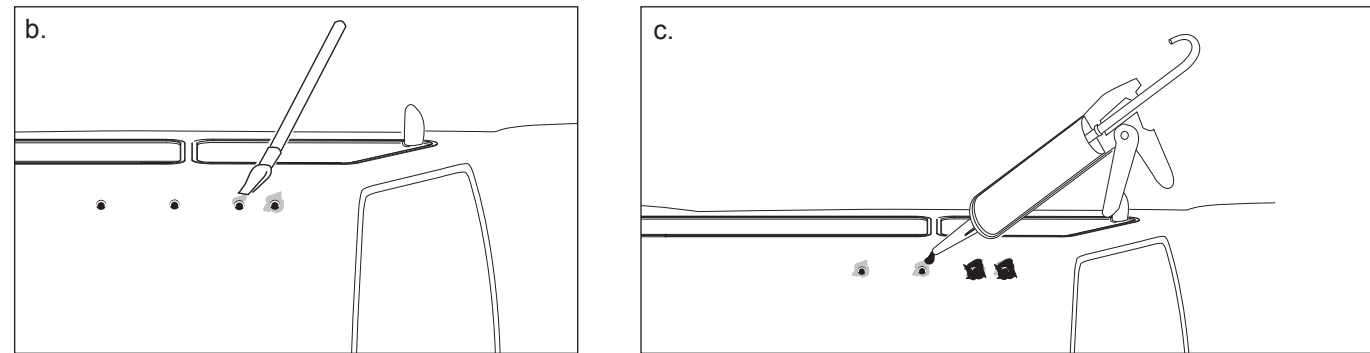


- 7
- a. Use a 5mm (3/16") drill bit. Fit a drill stop allowing 5-6mm (3/16"-1/4") of the drill to protrude. Adjust if required.
  - b. Drill all marked holes through. When drilling, hold the drill perpendicular to the roof angle.
  - c. Vacuum the swarf from the roof to avoid scratching.



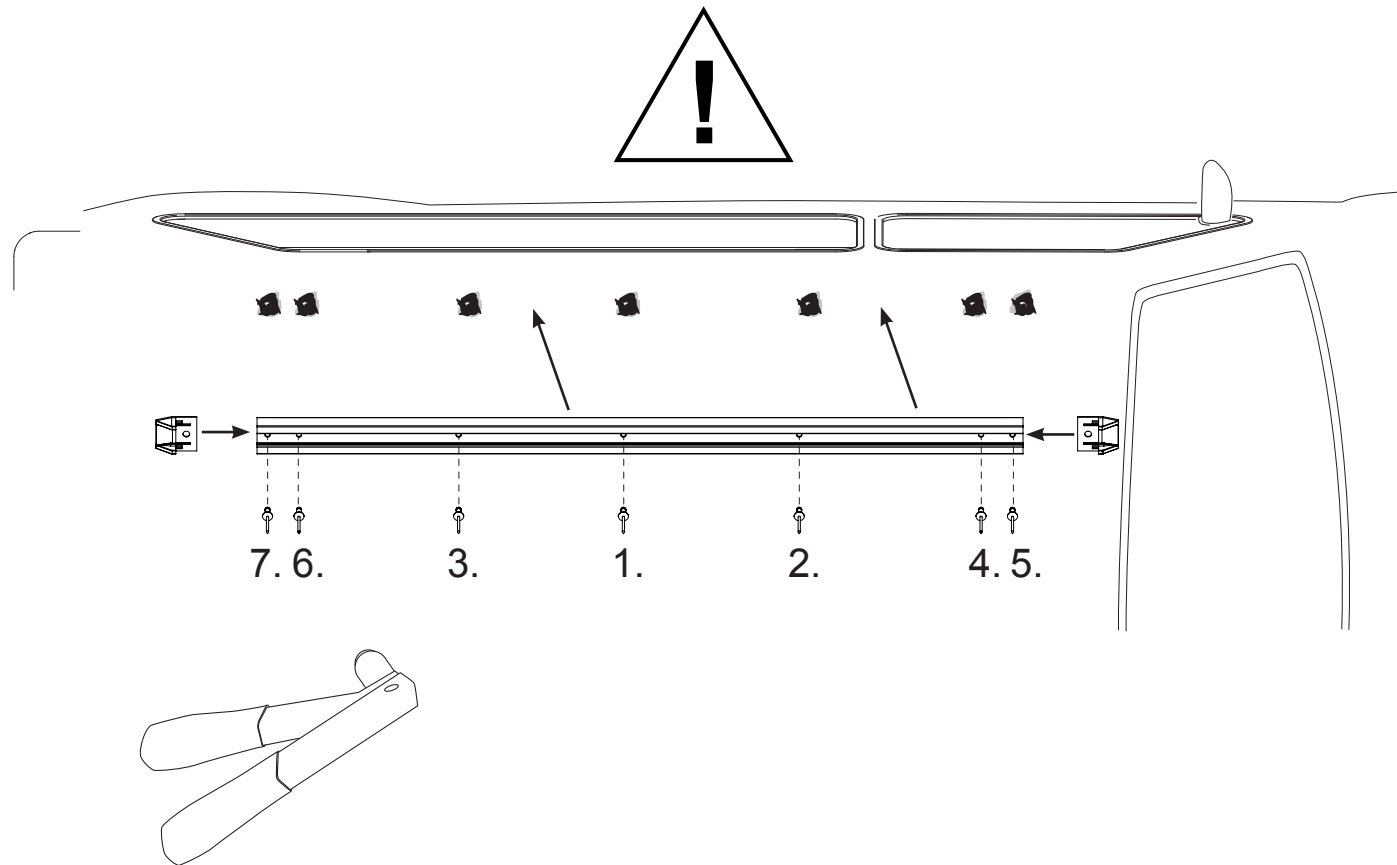
# Rhino Track Mount System

- 8
- Remove masking tape.
  - b. Apply Cold Galvanising solution inside and around all holes to prevent rust. Allow to dry.
  - c. Apply an Automotive Butyl Sealant to the holes.



- 9
- 22mm (7/8")
- Remove the white backing paper from the adhesive foam tape under the track. Cut the two strips of adhesive tape 22mm (7/8") from each end of each track to allow for the end cap. Lay each track over the holes drilled. Slide end caps under the track ends before riveting.

- 10
- Place the track onto the vehicle roof lining up with drilled holes. Place rivets through all holes to align the track. **Fit the end caps before fixing the end rivets.** Fix a track to each side of the roof by use of a rivet gun. Fasten the track working out from the centre as shown on the diagram. Amount of holes will vary depending on track length.

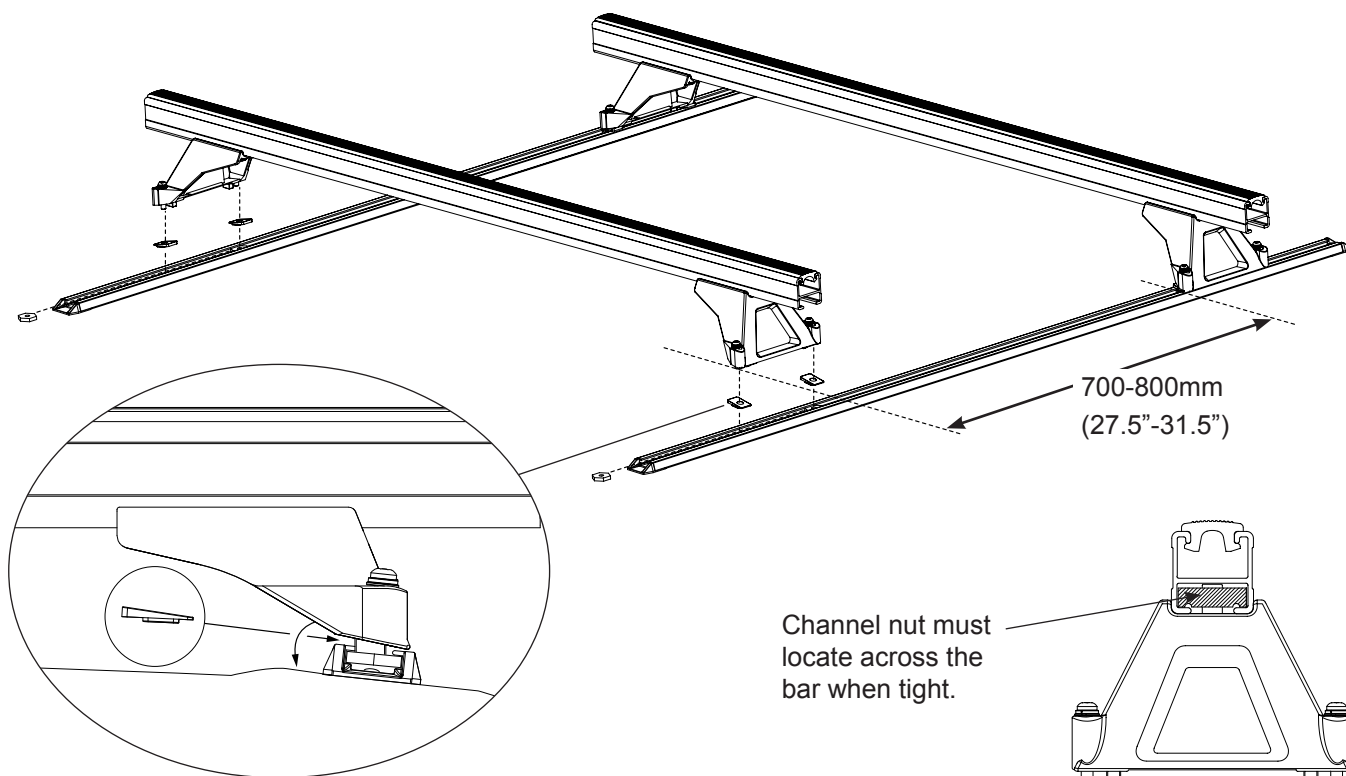




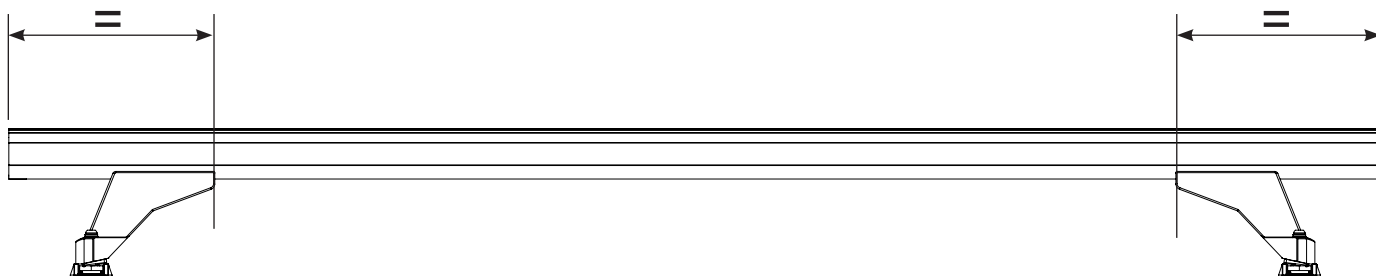


## Rhino Track Mount System

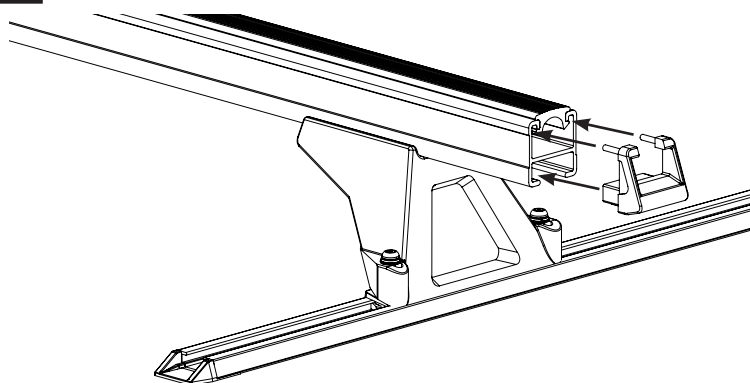
- 11** Fit the legs and crossbars to the tracks. Check the angle of the track and fit track wedges if required. If possible aim for a crossbar spacing of 700-800mm (27.5"-31.5").



- 12** Adjust the crossbars to have equal overhang. If using Heavy Duty bars fasten the M10 bolts 14-15 Nm (10-11 lb/ft). If using Aero bars refer to the fitting instruction supplied therein. Using the Torque Allen key fasten M6 leg screws 3-4 Nm.



**13**



Fit end caps to all crossbars. A rubber mallet may be used to gently knock them in.