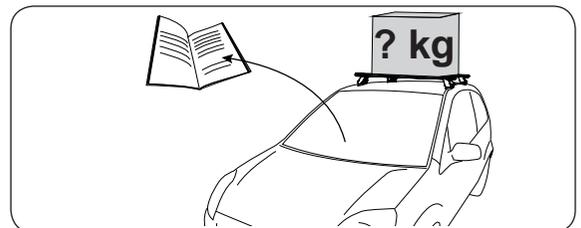
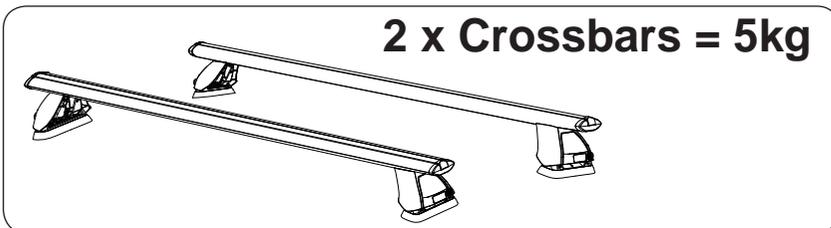
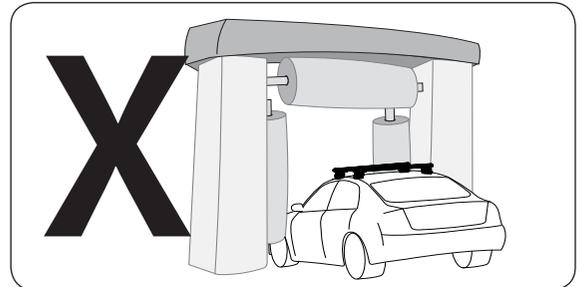
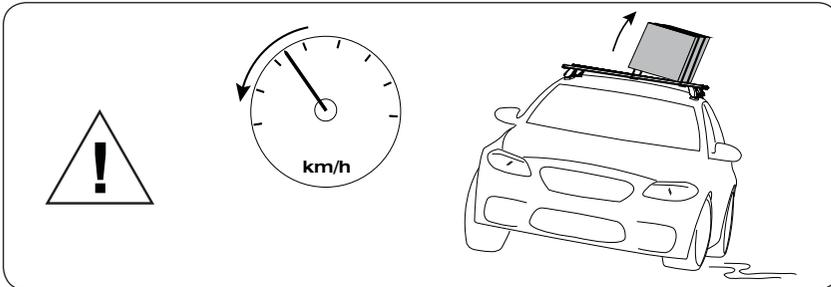
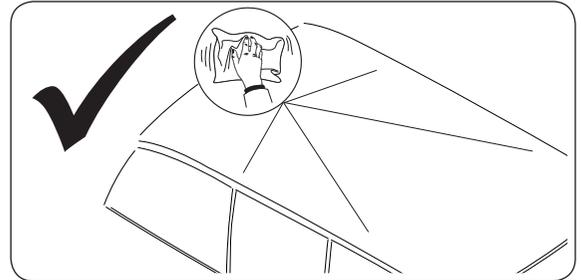
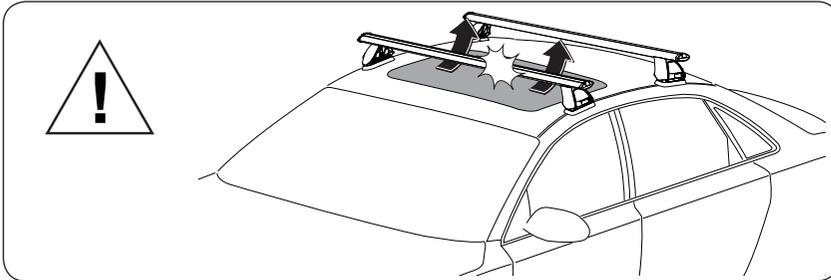
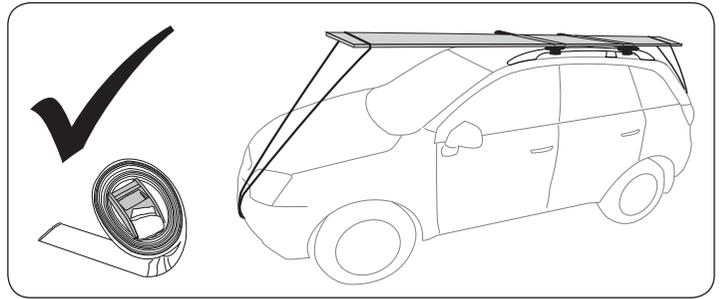
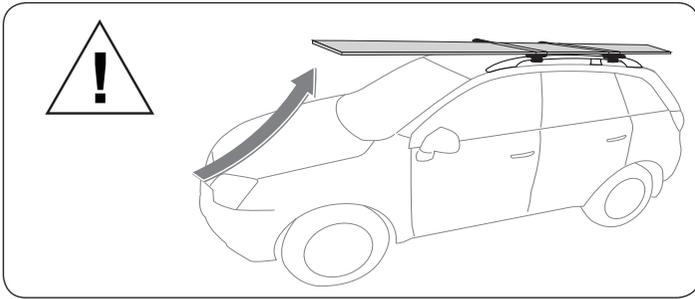




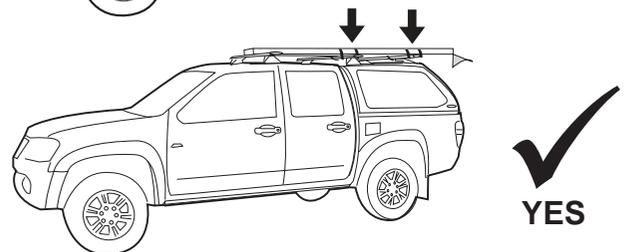
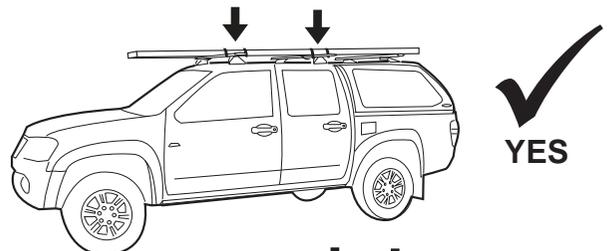
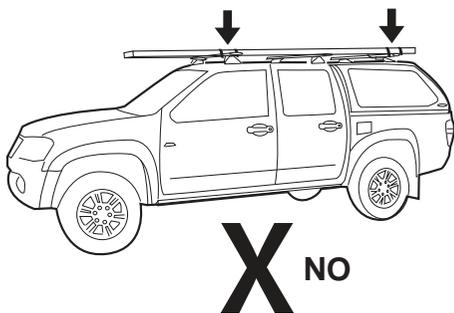
RHINO-RACK

WARNING!
CONTROLLED



WARNING! Important Load Carrying Instructions

With utility vehicles, the cabin and the canopy move independently. Roof racks 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 roof racks or the canopy roof racks.



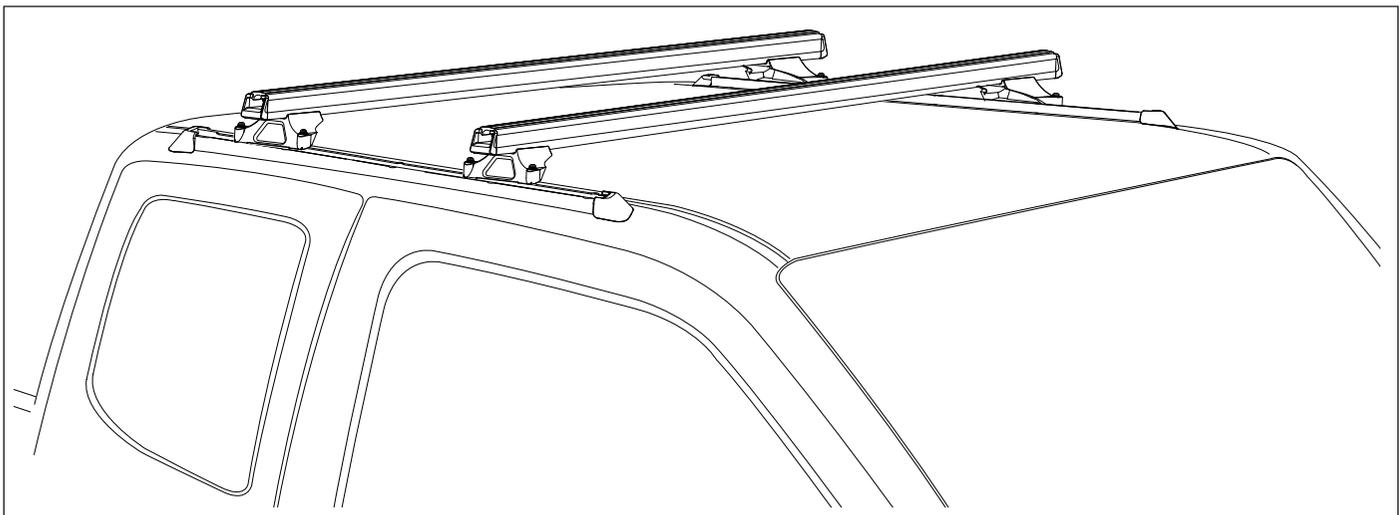
- Please refer to your vehicle manufacturers handbook for maximum roof load capacity.
- Any load transported on Roof Racks must be evenly distributed.
- Instructions are to remain with the vehicle.
- Do not attempt to fit the roof racks to your vehicle unless you fully read and understand the fitting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



RHINO-RACK

RTS522 - Rhino Track Mount System

NISSAN Navara King Cab, NISSAN Frontier King Cab, SUZUKI Equator Extended Cab.



SPECIAL NOTE: Assistance by a second person is recommended to put downward pressure on the track while the holes are marked out and drilled.

IMPORTANT INFORMATION

Maximum carrying capacity: 80kg (176lbs) including weight of the roof racks **5kg (11lbs)**.

Please refer to your vehicle manufacturers handbook for maximum carrying capacity. Always use the lower of the two figures. Load must be evenly distributed over the crossbars.

Use only non-stretch fastening ropes or straps.

Recommendations:

All bolt connections must be checked after driving a short distance when you first install your roof racks. Bolt connections should be checked again at regular intervals (once a week is enough, depending on road conditions, usage, loads and distances travelled). You should also check the condition of your roof racks each time they are re-fitted. Always make sure to fasten your load securely. Please also ensure that all loads are evenly distributed and that the centre of gravity is kept as low as possible. Long loads (e.g. canoes and kayaks) must be secured front and rear with non-stretch fastening ropes or straps.

Roof racks must be removed when putting vehicle through an automatic car wash.

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.

Off-road use:

Although the roof rack system is tested and approved to AS1235-2000, off-road conditions can be much more rigorous. When roof racks are to be used in off-road conditions, please build a safety factor of 1.5 into the load rating. **53kg (116lbs) for off-road use.**

Note for Dealers and Fitters:

It is your responsibility to ensure these fitting instructions are given to the end user or client. Place these instructions in the vehicle's glove box after installation is complete.

Rhino-Rack
3 Pike Street, Rydalmere,
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(Ph) (02) 9638 4744
(Fax) (02) 9638 4822

Document No: RR183
Prepared By: Craig Jones
Authorised By: Chris Murty

Issue No: 06
Issue Date: 11/10/2017

These instructions remain the property of Rhino-Rack Australia Pty. Ltd. and may not be used or changed for any other purpose than intended.

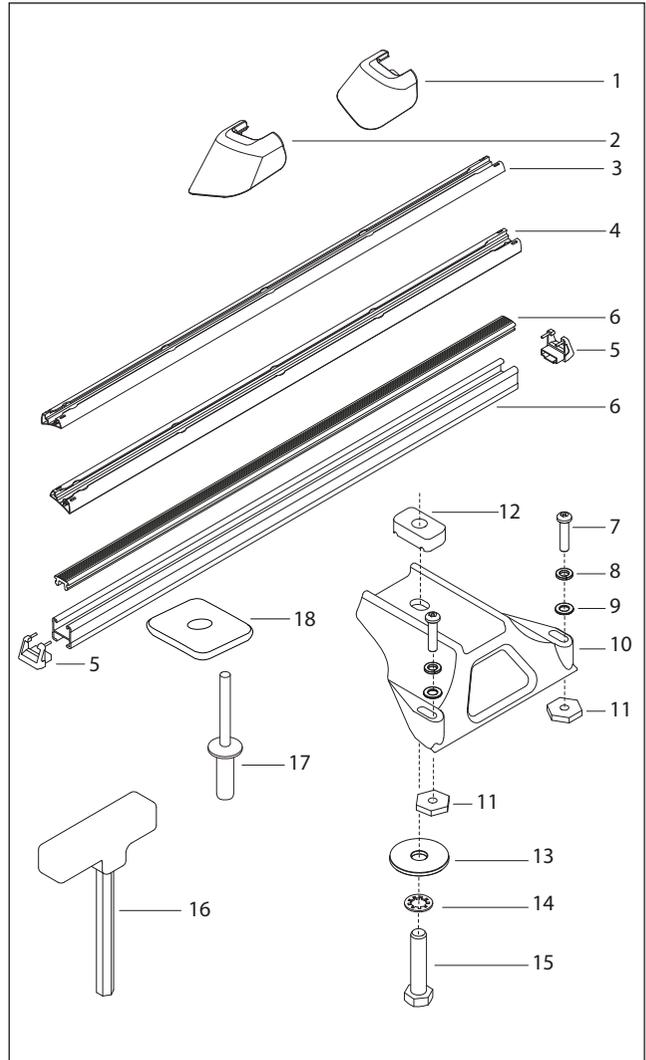


RTS522 Track Mount System

Parts List

Maximum carrying capacity: 80kg

Item	Component Name	Qty	Part No.
1	Track end cap FL/RR	2	M277
2	Track end cap FR/RL	2	M278
3	Track 850mm RIGHT	1	A423
4	Track 850mm LEFT	1	A423
5	Crossbar end cap	4	M002
6	Crossbar & Rubber 1375mm	2	RB1375
7	M6 x 35mm security screw	8	B092
8	M6 spring washer	8	W004
9	M6 x 12.5mm flat washer	8	W003
10	RLTP Leg	4	M010
11	M6 brass hex nut	8	N009
12	M10 channel nut	4	N024
13	M10 x 38mm flat washer	4	W022
14	M10 shakeproof washer	4	W021
15	M10 x 20mm hex bolt	4	B003
16	5mm security allen key	1	SECKEY-S
17	Stavex Rivet BS 11 4.8mm	14	H060
18	Butyl Patch	15	CA1397
19	Fitting instruction	1	RR183



Tools Required.

Pneumatic or Concertina rivet gun.	5mm drill bit.	Selleys Butyl Mastic.
Marking pen.	Ø5-6mm Drill Stop.	16mm spanner.
Masking tape.	Vacuum cleaner.	Measuring tape.
Power or cordless drill.	Cold galvanizing solution and brush.	5mm security allen key, supplied in leg kit.



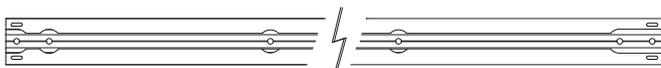
Drill depth stop.

Round piece of wood or plastic of larger outer diameter than the hole being drilled. 5-6mm hole through centre.

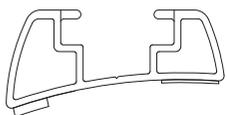
1

FRONT

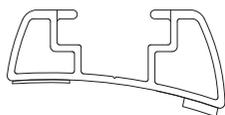
REAR



Tracks viewed from REAR of vehicle.



LEFT Passenger side.



RIGHT Driver side.

Track & end cap orientation.

Large slot opening denotes REAR of track for installing crossbar leg hardware.



RTS522 Track Mount System

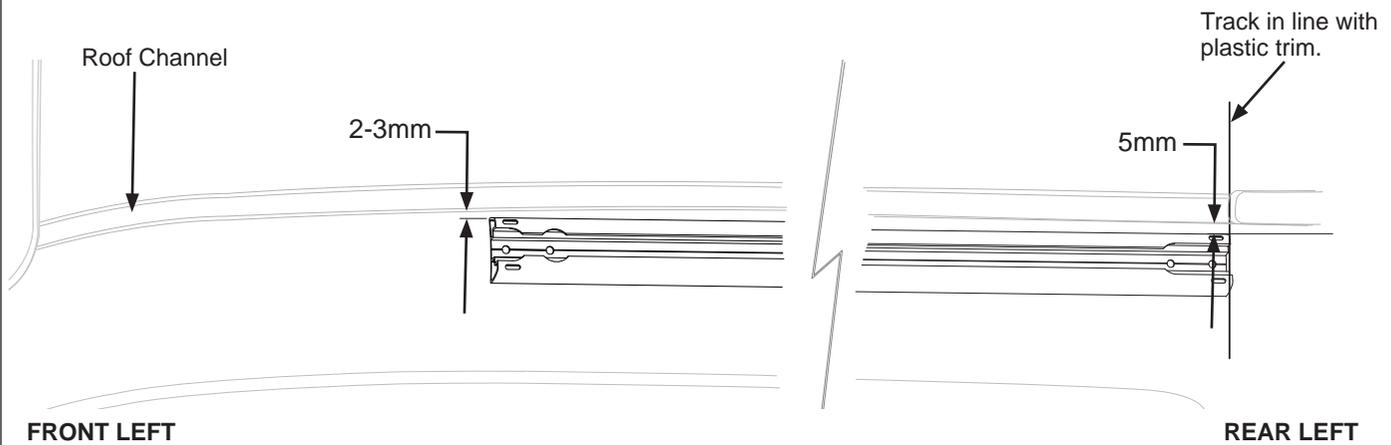
NOTE: Tracks are pre-curved to suit vehicle roof.

2 Track positioning.

Use masking tape to hold the track while marking out holes for drilling. Place the track on the outer section of the roof, between the door jamb and roof channel.

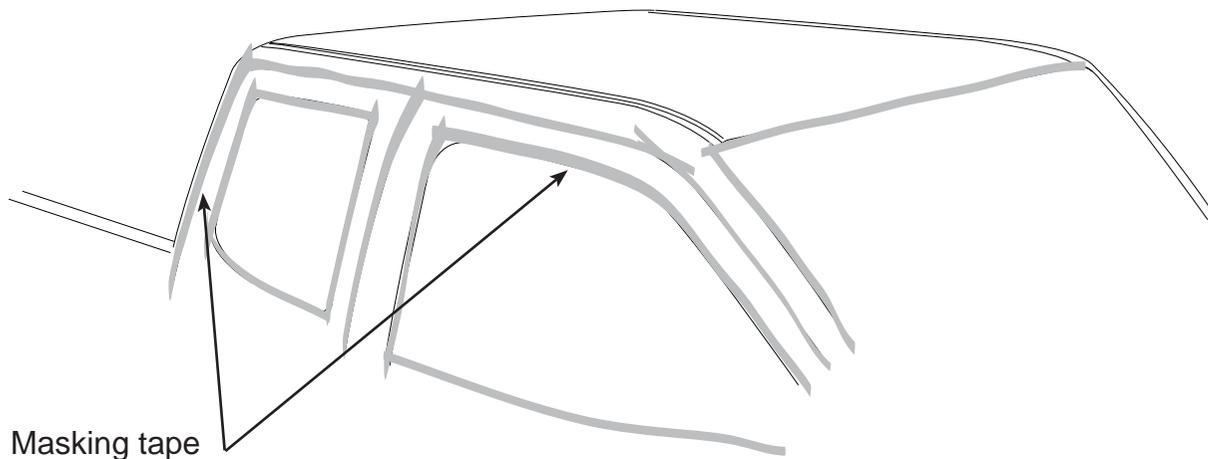
FRONT: Measure 2-3mm from the outer edge of roof channel to the inside edge of the track.

REAR: Align rear of track level with plastic trim piece in the roof channel. Measure 5mm from the outer edge of roof channel to the inside edge of the track.



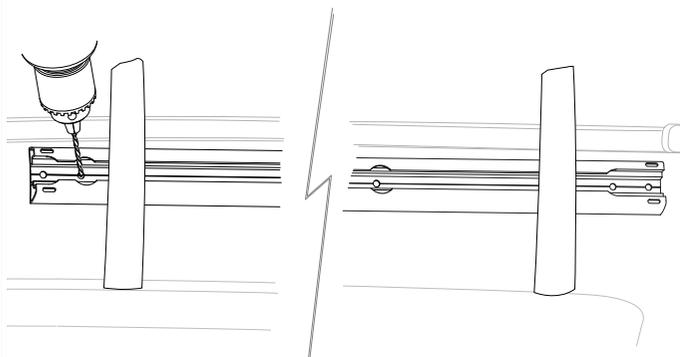
3 Masking tape.

Apply masking tape along all door/window seals and door jambs to minimise drill swarf from getting trapped. Sheets of newspaper taped at the top and draped down is also recommended.



4

Masking tape to hold track



Spot drill for rivet holes.

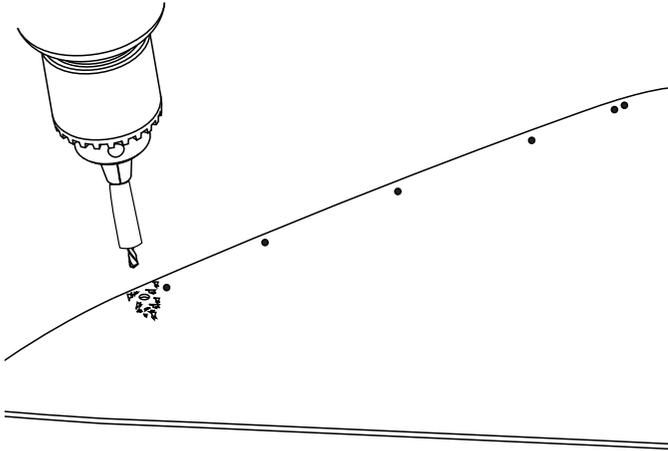
Hold track down tight on the roof panel. Assistance from a second person is recommended. Masking tape could also be used. Spot drill through each hole in the track using a 5mm drill bit.

Check that all spot drilled marks line up with track before drilling through.



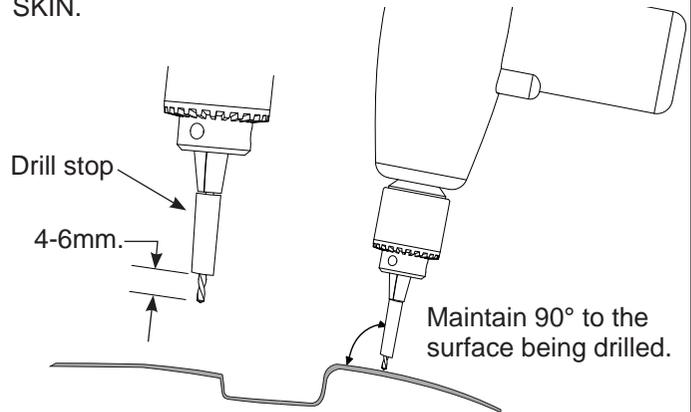
RTS522 Track Mount System

5

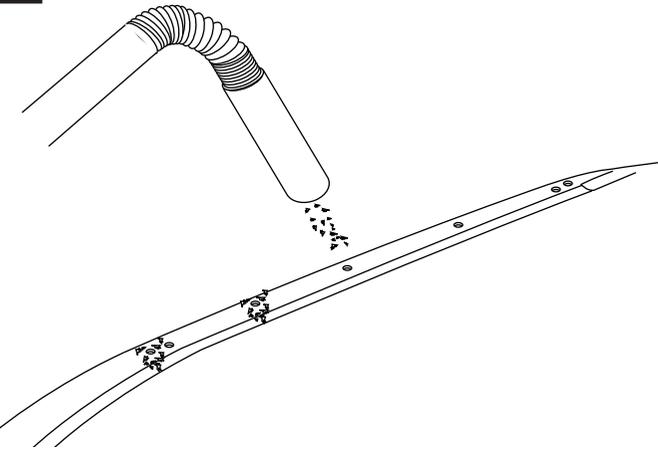


Drill through.

Remove the track. Use a drill stop to avoid drilling into second skin. When drilling hold the drill perpendicular to the surface being drilled. Drill through the roof skin using a 5mm bit. **DO NOT DRILL THROUGH THE SECOND SKIN.**



6



Remove swarf.

Vacuum swarf from the roof to prevent scratching of the paint. Remove all swarf from the vehicle to prevent rust. Remove masking tape.

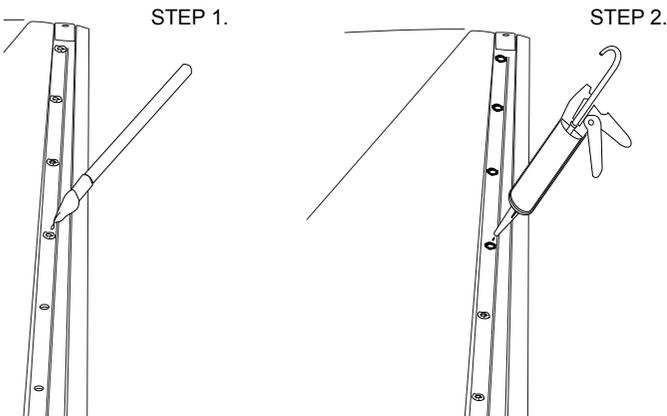


Check rivet depth.
If required. Punch down second skin below end holes to ensure rivet seats properly.

7

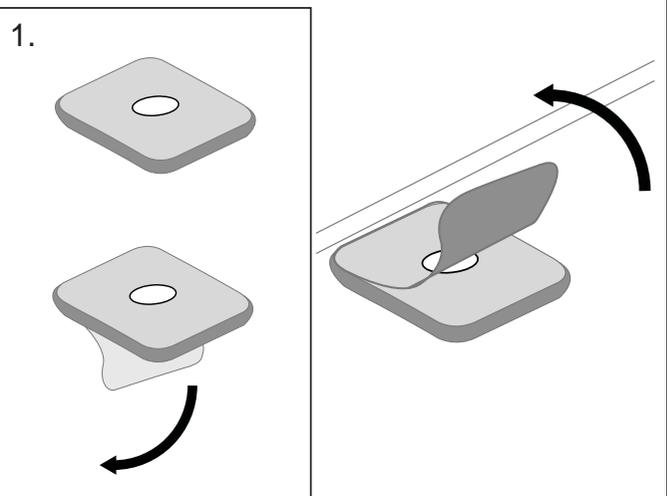
Apply sealer.

STEP 1. Apply a liberal amount of cold galvanizing solution to the inside and surrounds of all holes. Allow cold galvanizing solution to touch dry, ten minutes or so, **STEP 2.** Apply a liberal amount of Selleys Butyl Mastic sealer in each hole.



8

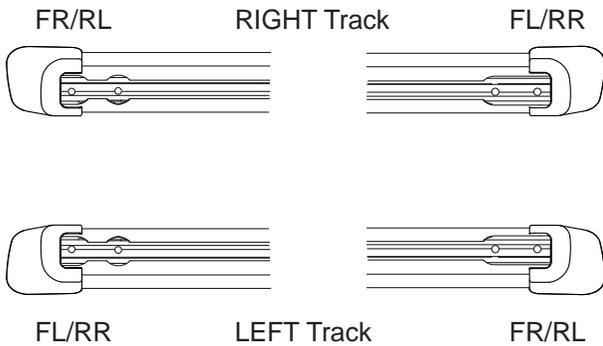
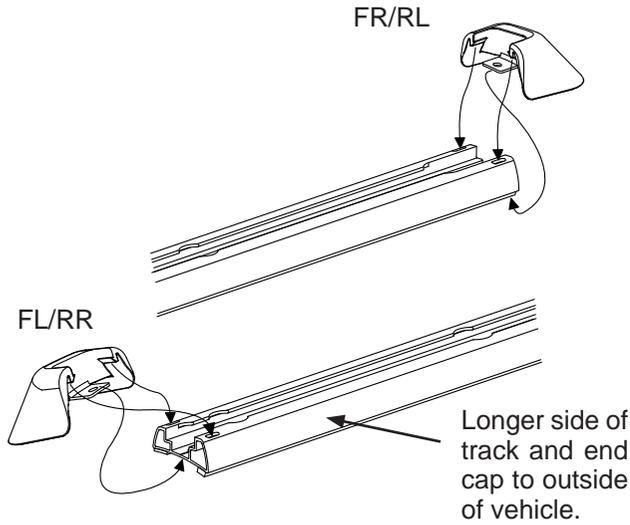
1: Remove the backing tape from the ButylPatches.
2: Place over holes drilled. Once in place remove the rest of the protective tape from the top of the patches.





RTS522 Track Mount System

9



Fit track end caps.

Push the tabs on the end cap through the slots on top of the track. The tongue on the back of the end cap must lie underneath the track.

Lubricate the tabs to make pushing through the slots in the aluminium easier.

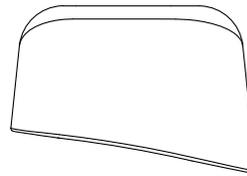
The end caps are marked on the under side;

FL/RR Front Left/Rear Right.

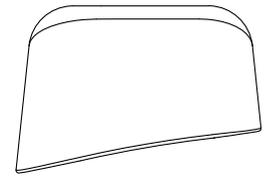
FR/RL Front Right/Rear Left.

The **FL/RR** end cap suits the Front of the LEFT track and the Rear of the RIGHT track.

The **FR/RL** end cap suits the Front of the RIGHT track and the Rear of the LEFT track.



FL/RR

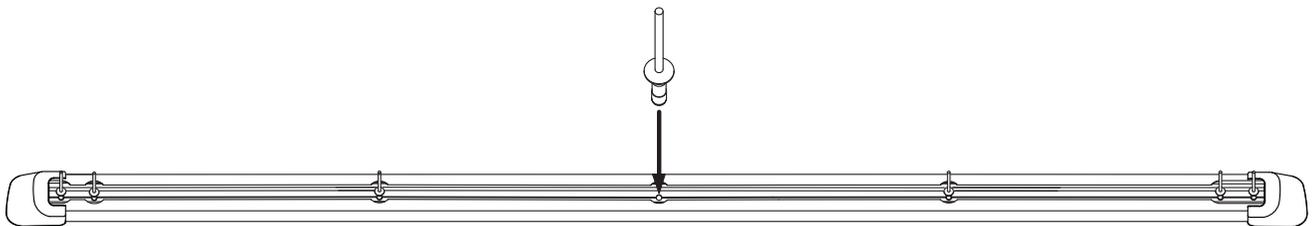
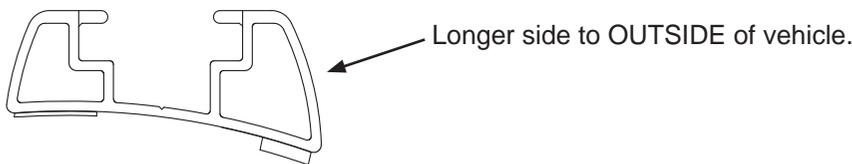


FR/RL

10

Place track over holes.

Peel the white backing tape off the under side of the track. Place track over the drilled holes using rivets to position. Make sure track orientation is correct. Oval slot in top of track goes to the REAR. Tracks are LEFT and RIGHT handed.

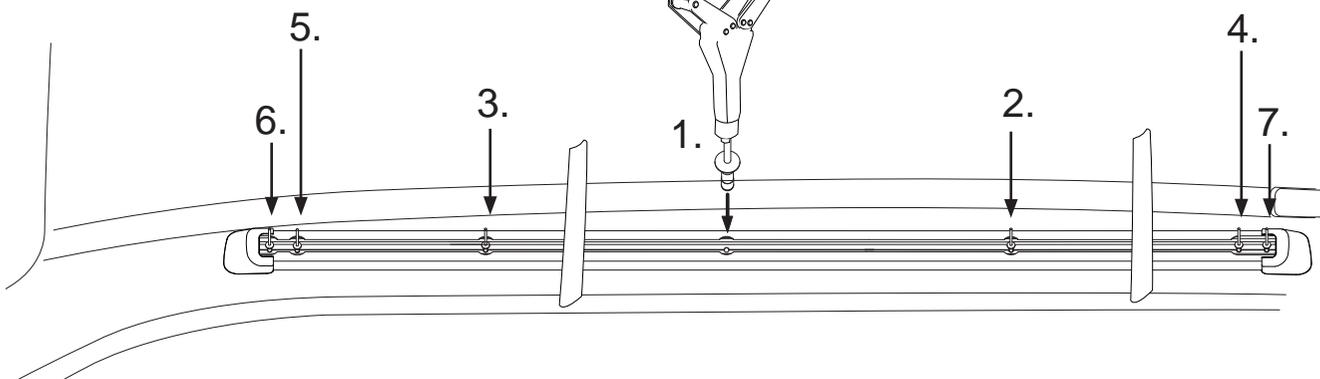
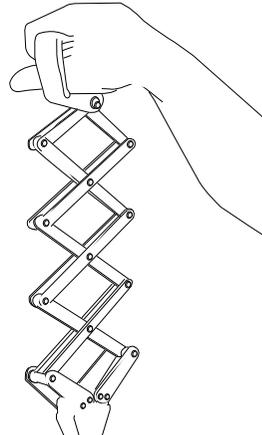
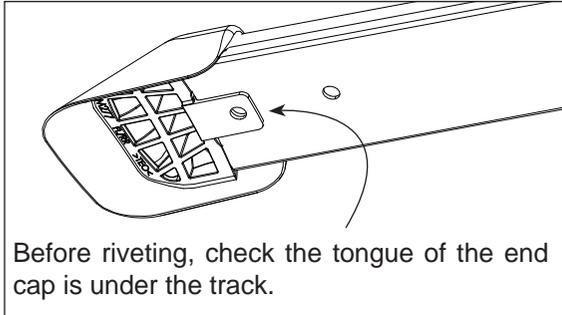




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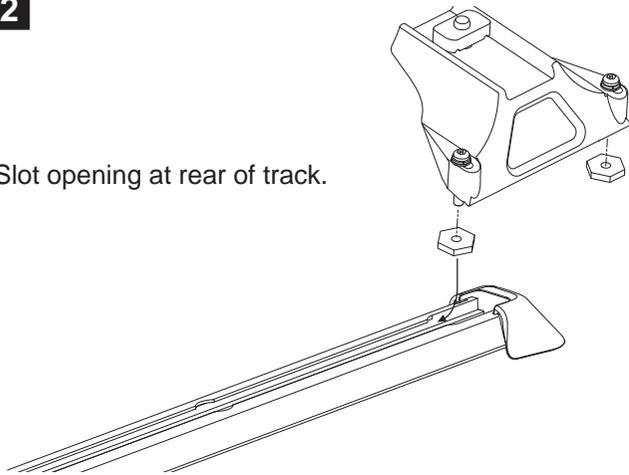
11 Attach tracks to roof.

Start from the centre rivet and work toward each end of track. The end holes that secure the rubber end caps, which are marked **6 & 7** MUST ALWAYS BE THE LAST TWO HOLES THAT ARE RIVETED.



12

Slot opening at rear of track.



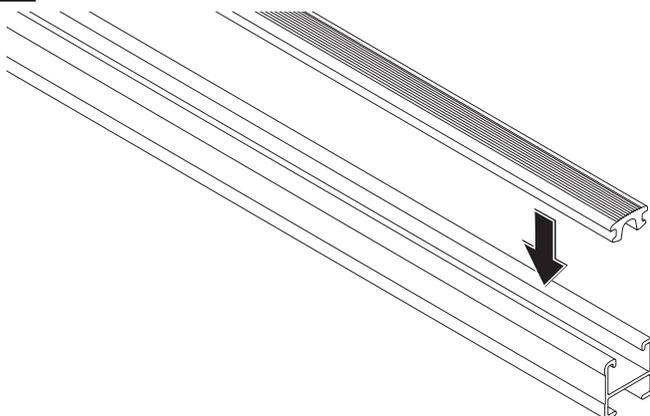
Brass hex nuts.

Unscrew brass hex nuts from RLTP legs.
Slide them into the roof track from the rear.
Remove plastic track wedge, they are not needed.

13

Insert buffer strip.

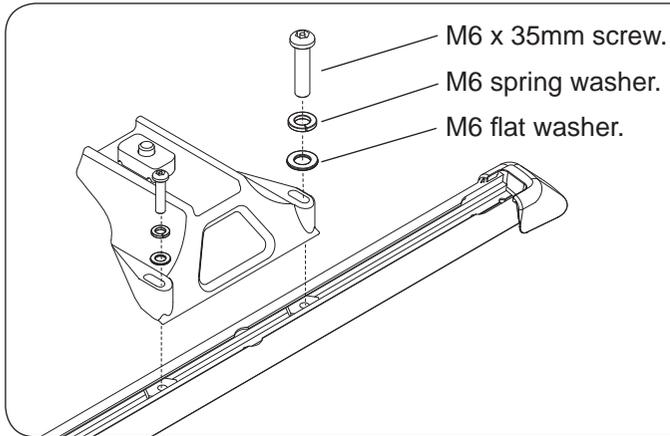
Do not stretch the rubber. Trim the rubber level with end of the crossbar.





RTS522 Track Mount System

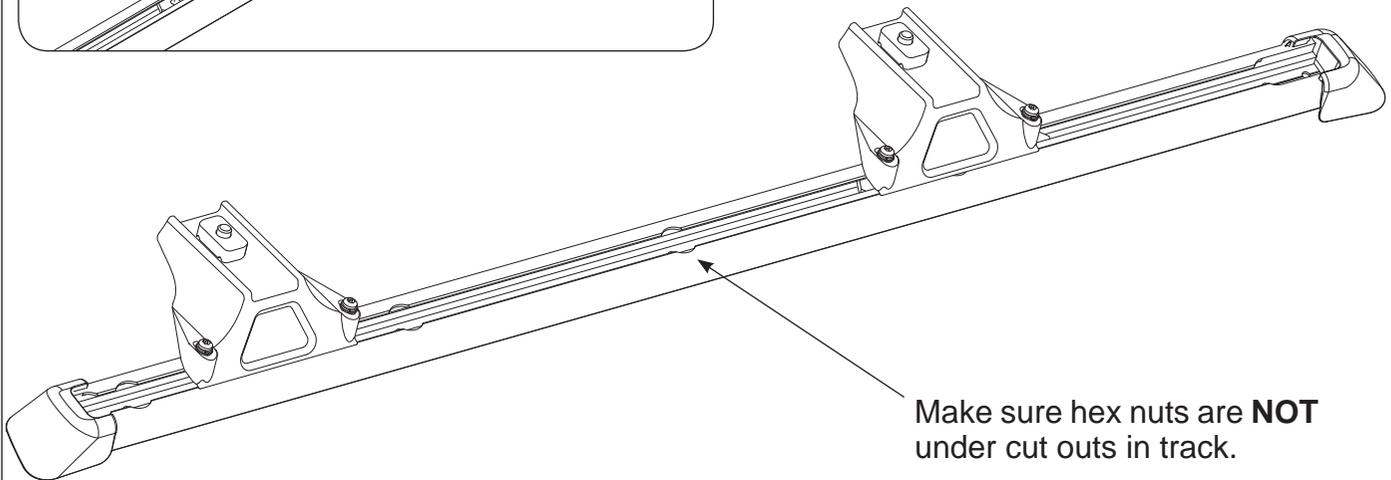
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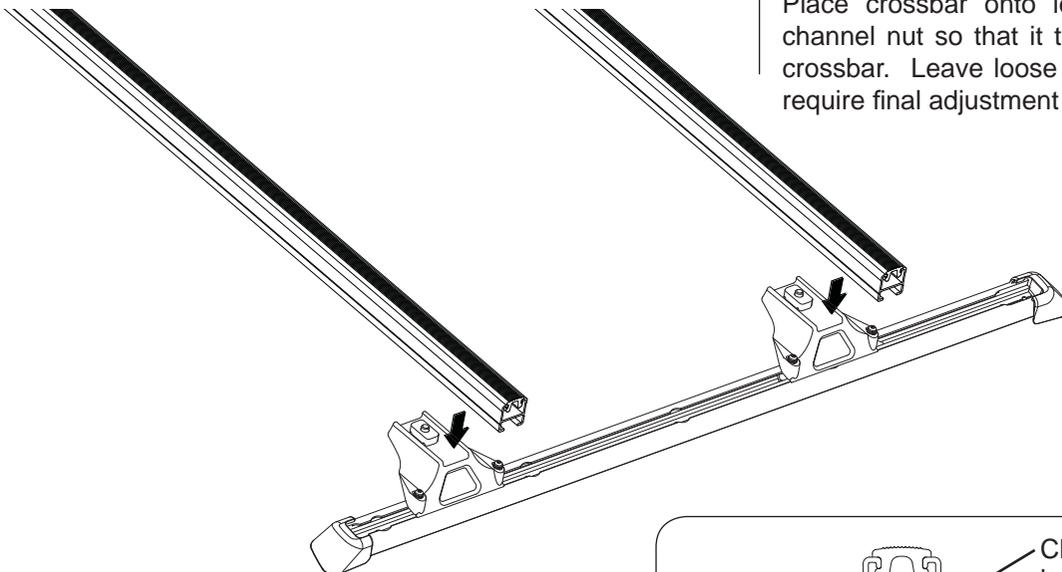
Attach legs.

Measure from the same fixed point each side of the vehicle to make sure legs are parallel across the vehicle. Legs are difficult to slide once hex nuts are attached. As a guide position legs 500-550mm apart.

Assemble an M6 x 35mm screw, M6 spring washer and M6 flat washer. Place screw assembly through the leg and fasten to brass hex nuts. **Do not tighten at this stage.**

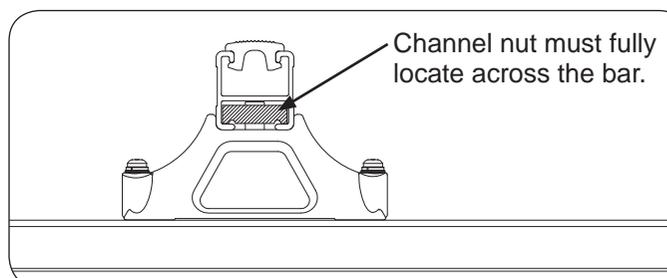


15



Attach crossbars.

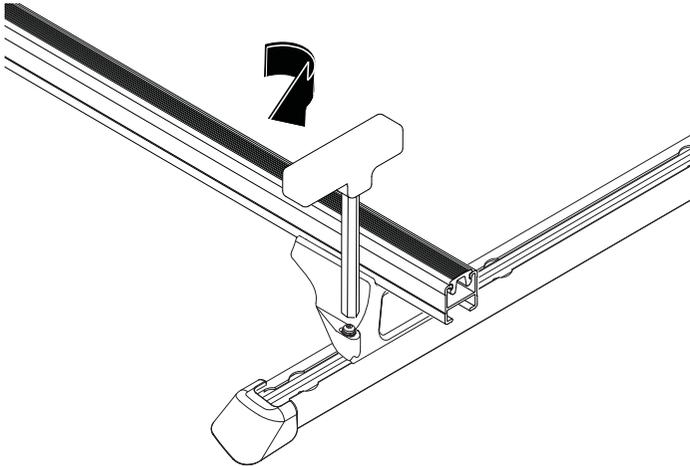
Make sure legs are parallel across the vehicle. Place crossbar onto legs. Finger tighten M10 channel nut so that it turns to locate across the crossbar. Leave loose as the legs and bars will require final adjustment and tightening later.





RTS522 Track Mount System

16

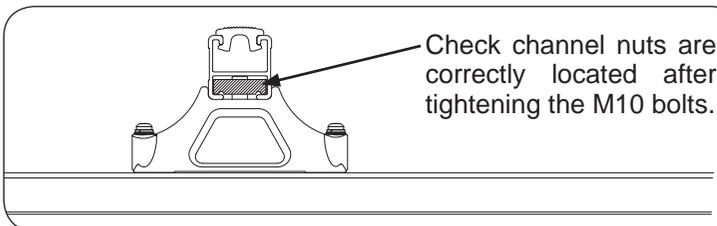
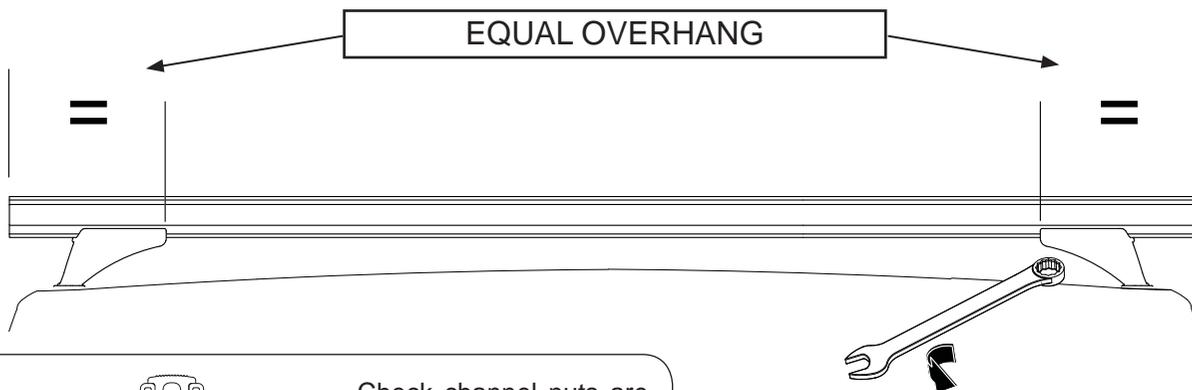


Tension legs.

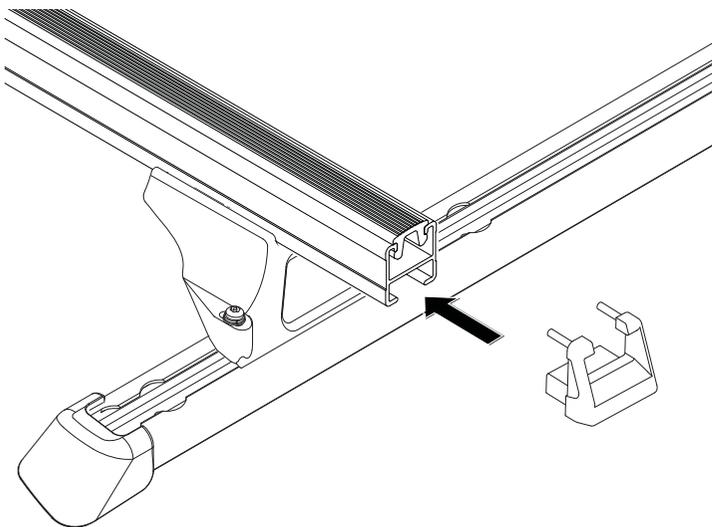
Fasten M6 security screws into the brass hex nuts before tensioning the M10 channel nuts. 3-4 Nm (26-35 lbf.in).

17 **Equal overhang.**

Measure to check crossbar overhang is equal, re-adjust if required. Tighten the M10 crossbar bolts to 12-13 Nm (106-115 lbf.in).



18



Fit end caps.

Insert the crossbar end caps, a rubber mallet may be required to fit the end caps.