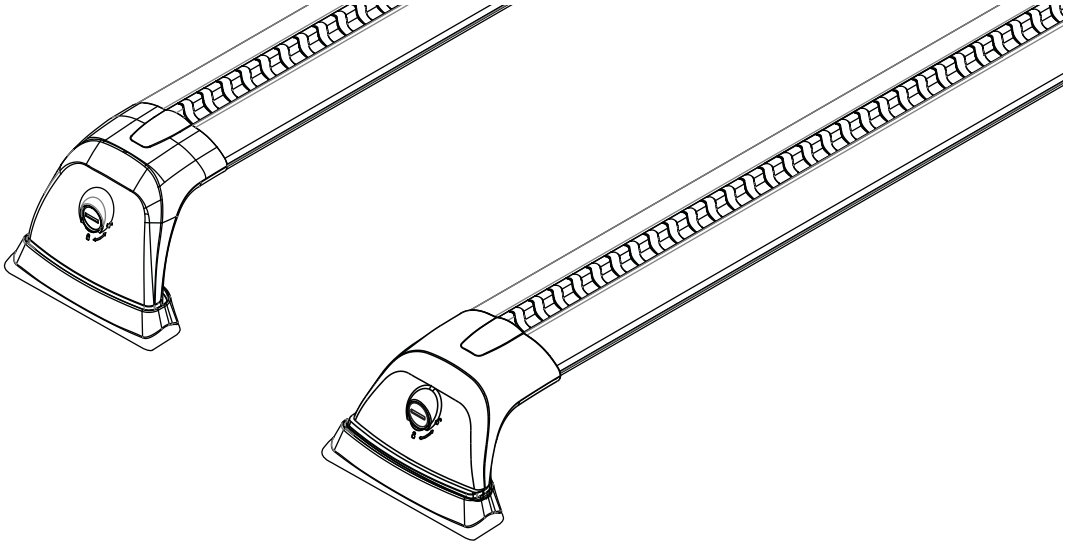
RHINO-RACK

RVL, RVH 2,4,6 Kits

Important: Please read these instructions carefully prior to installation.
Please refer to your fitting instruction to ensure that the Roof Rack System is installed in the correct location.
Check the contents of kit before commencing fitment and report any discrepancies.
Place these instructions in the vehicle's glove box after installation is complete.

Note: Be sure to check Rhino-Rack website to see if you have the latest version of instructions before beginning installation.



Important Information

1. ☐ Check Part No./Kit is correct
2. ☐ Read through instruction before installing
3. ☐ Fit roof rack accessory
4. ☐ Check and recheck all fasteners are secure

Maximum carrying capacity: Up to 100kg (220lbs) for a 2 bar system including the weight of the rack system**. Up to 150kg (330lbs) for a 3 bar system.** 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 entire basket.

Warning: Do not attempt to fit the rack system to your vehicle unless you fully understand these fitting instructions. Please direct any questions regarding fitting to the dealer from where the roof racks were purchased.

Use only non-stretch fastening ropes or straps.

Recommendations: It is essential that all bolt connections 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 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 and must be entirely contained within the extents of the roof racks. **Rack System 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:
The Roof Rack System may be used in off road applications, however a safety factor of 1.5 is enforced. For example if the maximum permissible load is 100kg (220lbs) then the off road load is 66kg (145lbs)**.** Although the crossbars are tested and approved to AS1235-2000/ 15011154, off-road conditions can be much more rigorous. Extreme car must be taken in off road conditions

Note for Dealers and Fitters:
It is your responsibility to ensure these fitting instructions are given to the end user or client.

Rhino-Rack 3 Pike Street, Rydalmere,
NSW 2116, Australia.
(Ph) (02) 9638 4744
(Fax) (02) 9638 4822

Document No: R850
Prepared By: Kayle Everett
Authorised By: Chris Murty

Fit Time: 15min per Bar
Issue No: 06
Issue Date: 28/05/2018

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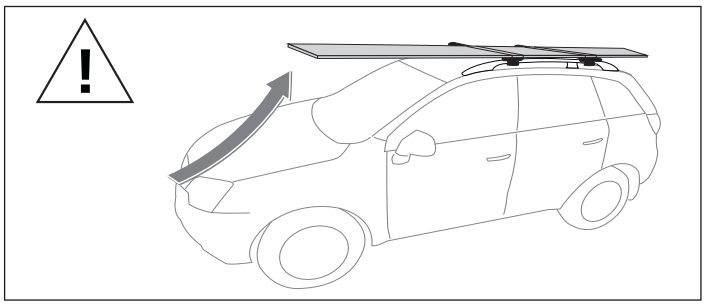
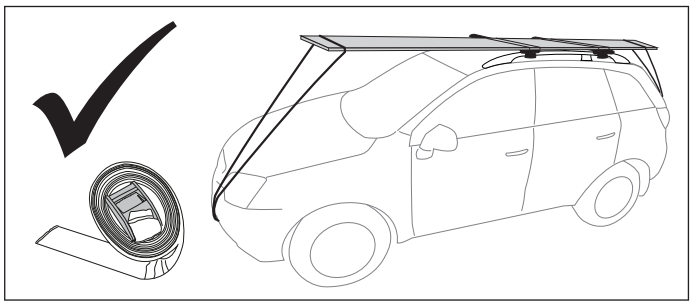
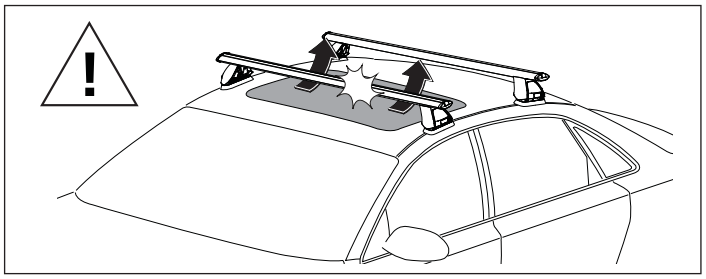
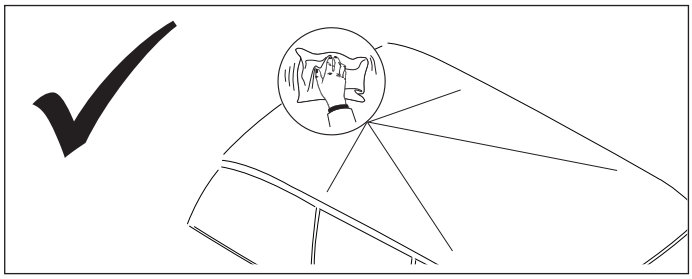
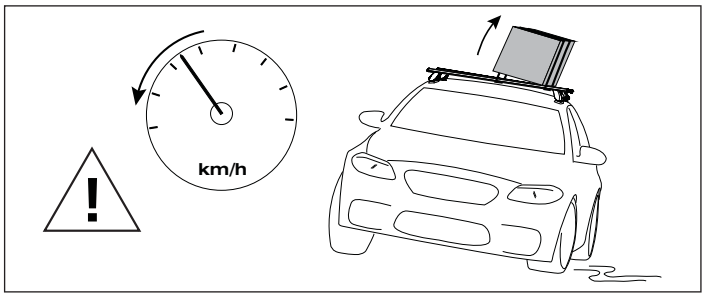
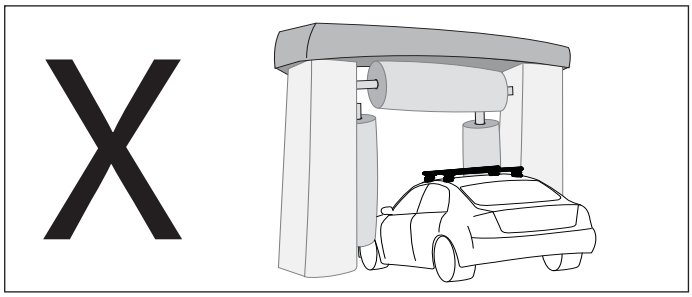




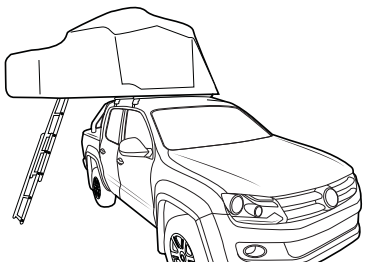




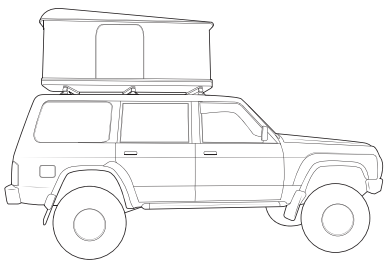




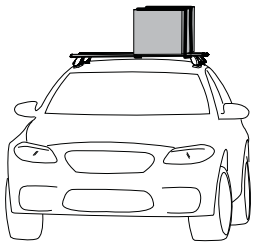
Ensure Ladder is well supported on the ground to help support tent. Take extreme caution when climbing heights above 1.2m/4ft.



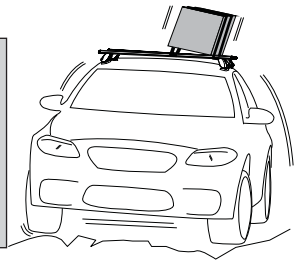
It is a requirement for Clam Shell Roof Top Tents to use a 3 Crossbar System.



When these roof racks are to be used on a vehicle that is driven off sealed roads, the manufacturer maximum roof load rating (to be found in the vehicles User Manual) should be ***divided by 1.5***. Do not forget to subtract the complete crossbar system weight from your maximum carrying capacity.

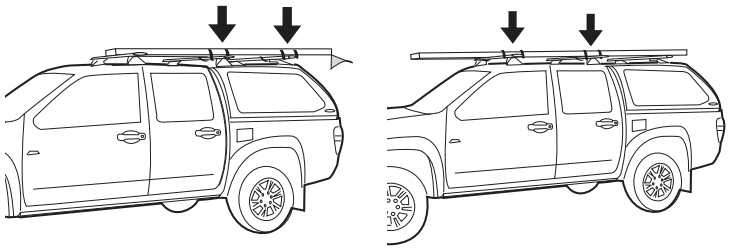


2 Bar System ***100kg/220lbs*** (Urban Road)	=	***66kg/145lbs*** (Off Road)
3 BarSystem ***150kg/220lbs*** (Urban Road)	=	***100kg/220lbs*** (Off Road)



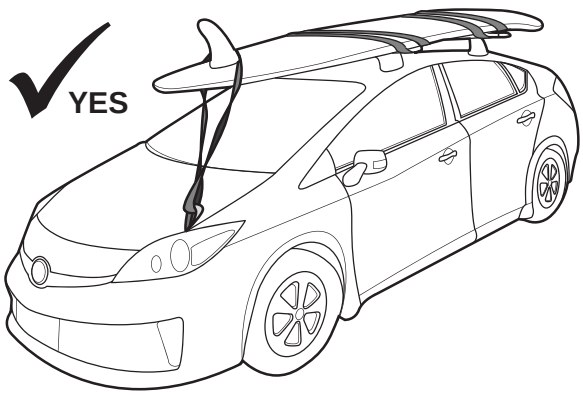
WARNING! Important Load Carrying Instructions

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.



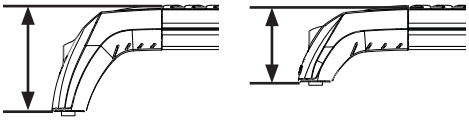
Paddle/ Surfboards should be fixed to the front of the vehicle.

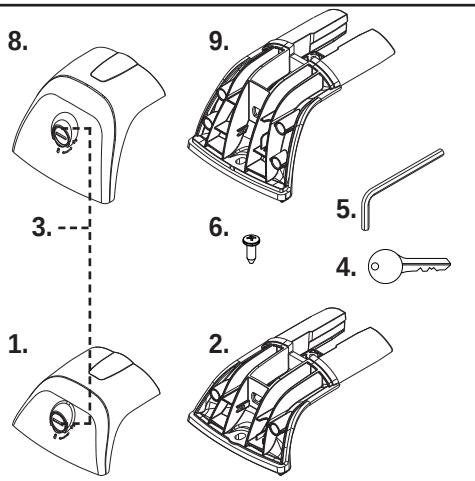
YES



Parts List

Item	RVL	2 Kit Qty	4 Kit Qty	6 Kit Qty	Part No.
1	Locking Leg Cover (45mm)	2	4	6	M788
2	Locking Leg Base (45mm)	2	4	6	M787
3	Key Barrel	2	4	6	CA1339
4	Key	1	2	2	-
5	Allen Key	1	1	1	H021
6	Phillips Head Screw	2	4	6	B172
7	Instructions	1	1	1	R850
Item	**RVH**	**2 Kit Qty**	**4 Kit Qty**	**6 Kit Qty**	**Part No.**
8	Locking Leg Cover (65mm)	2	4	6	M786
9	Locking Leg Base (65mm)	2	4	6	M785
3	Key Barrel	2	4	6	CA1339
4	Key	1	2	2	-
5	Allen Key	1	1	1	H021
6	Phillips Head Screw	2	4	6	B172
7	Instructions	1	1	1	R850



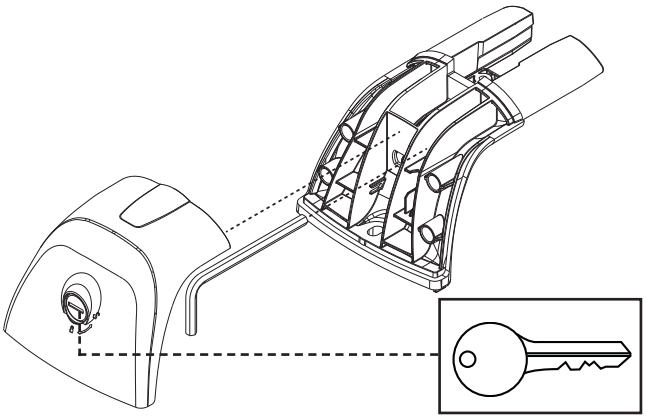


Notes:
Crossbars and Fit Kits are sold as separate and are required for individual vehicle fits.

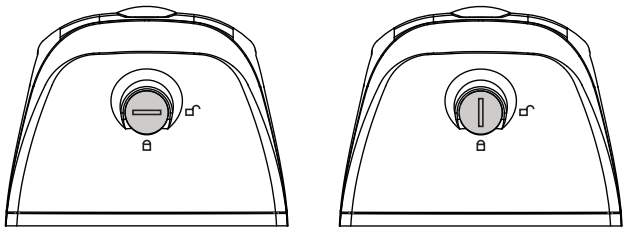
Tools Required:
Allen Key (provided). Phillips Head Screw Driver.
Metal Key (provided). Drill with 4mm Drill Bit.

Instructions

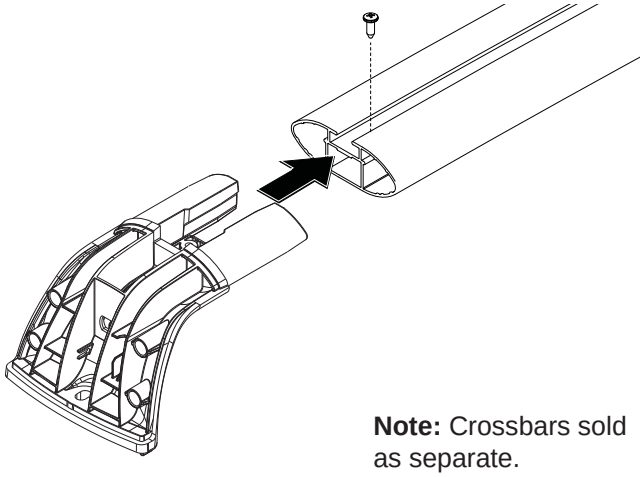
1 Use the Metal Key provided to unlock the Locking Cover Plate and remove. Remove the Allen Key from its storage position.



Front View:

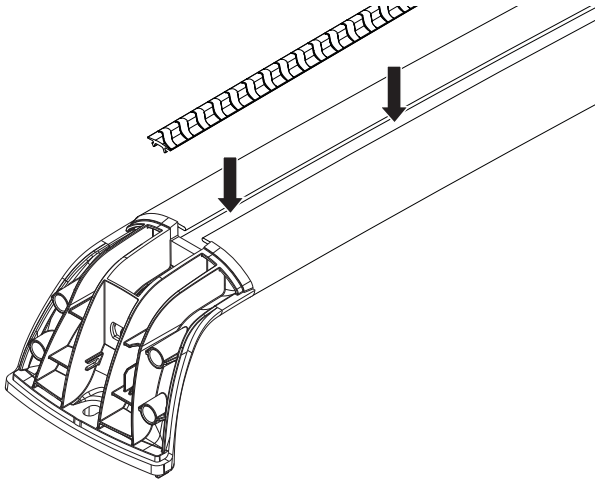


2 Insert the Locking Leg into the Crossbar. Fix in place using a Phillips Head Screw.



Note: Crossbars sold as separate.

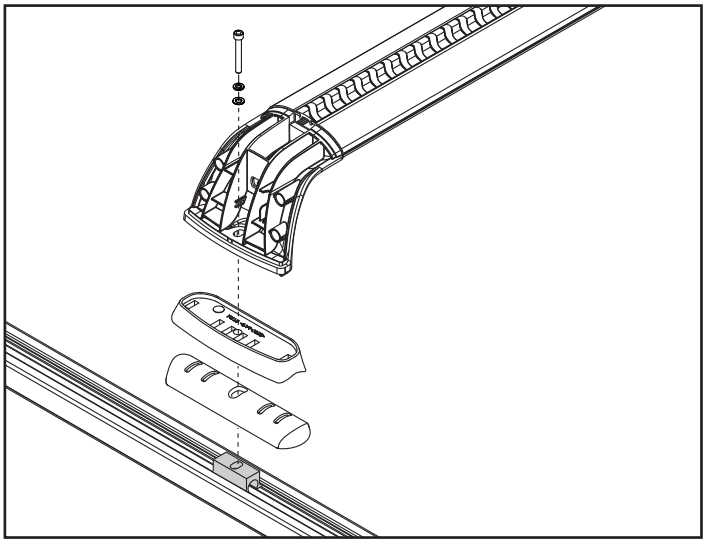
3 Insert Vortex Rubber. Cut to size if required.



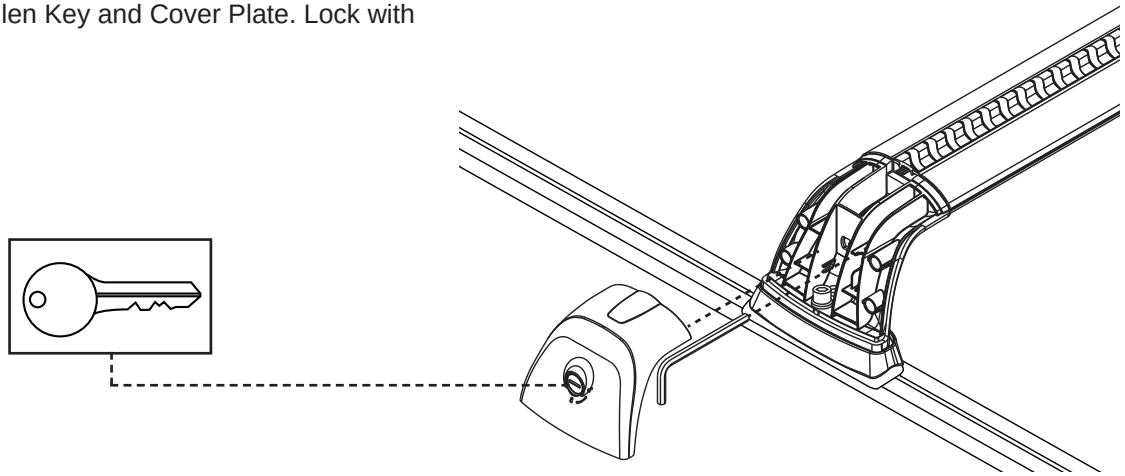
Installing to Tracks (RST fits)

1 Fix the completed Crossbars to the vehicle specific Base Kit that has been purchased using the Allen Key provided. Fit the crossbars to the tracks using an RTV-BK kit.

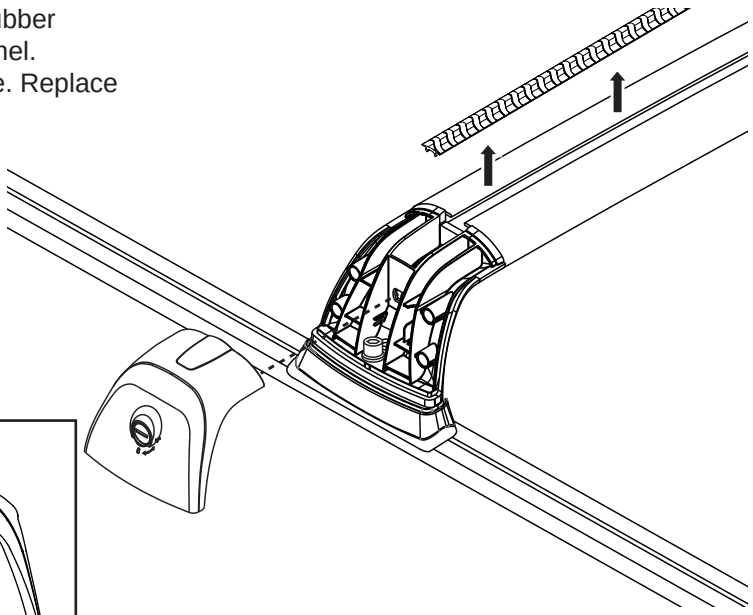
Note: Images are example only. RVL/RVH legs can be fit to either tracks or pads.
Pads and track fit kits are sold as separate.



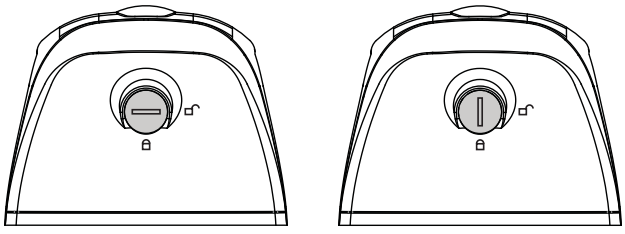
2 Replace the Allen Key and Cover Plate. Lock with Key Provided.



Note: Remove the Cover Plate and Vortex Rubber to gain access to the Crossbar C Channel. Crossbar accessories can be fitted here. Replace and lock the Cover Plate before use.



Front View:

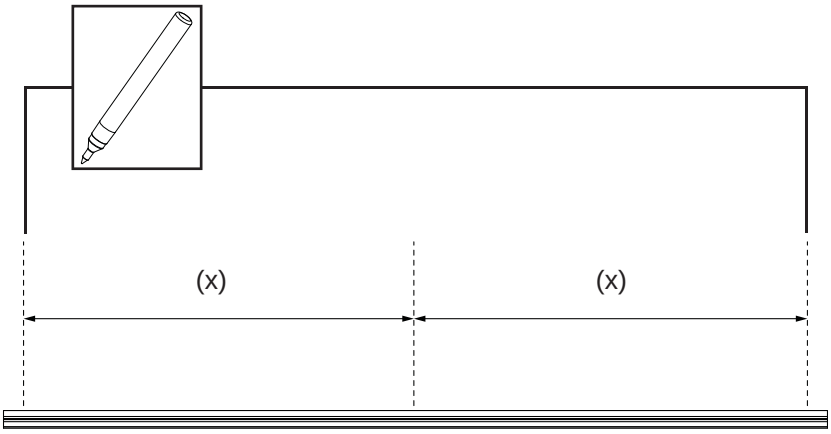


Open Close

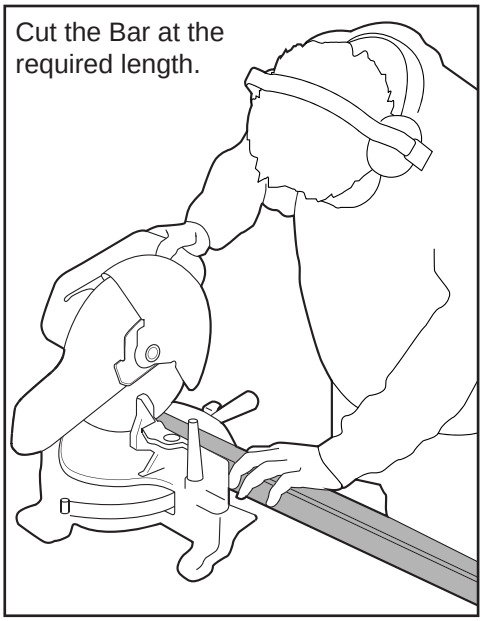
Note: For installation direct to the roof of the vehicle (RSF fits), Refer to RCP-JB instructions (document number R1043)

Installing to Vortex Bars

1 Measure the desired length out **from the centre of the Vortex Bar** and create a reference with Marker. Carefully cut the bar at these markings using a Saw with an Alloy Cutting Blade.

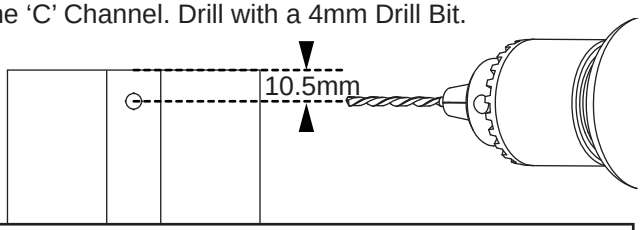


Side View: Always measure out from the centre of the bar to get the required size.

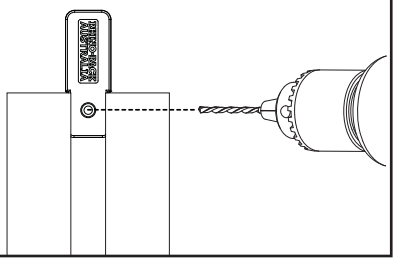


2 With the Bars cut, measure back 10.5mm from the end of the 'C' Channel and **drill a pilot hole in the centre of the channel**. Use a 4mm Drill Bit.

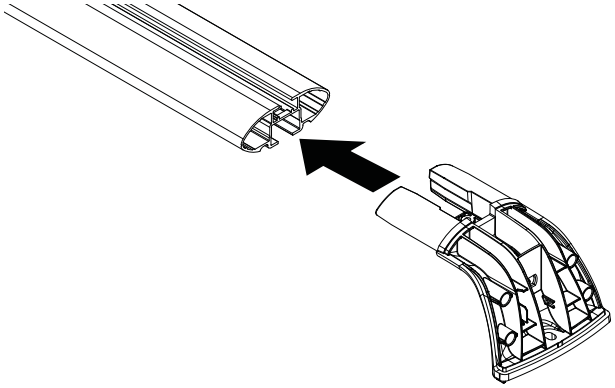
Top View: Measure 10.5mm back from the end of the 'C' Channel. Drill with a 4mm Drill Bit.



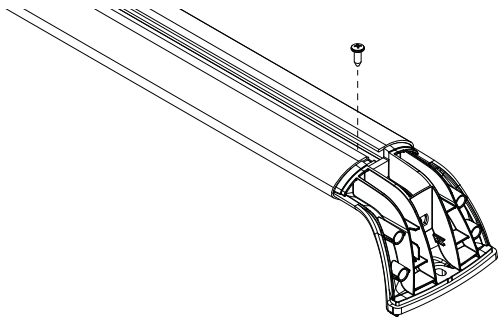
Note: RDJVA drill jig is available to ensure a precise fitment (sold as separate).



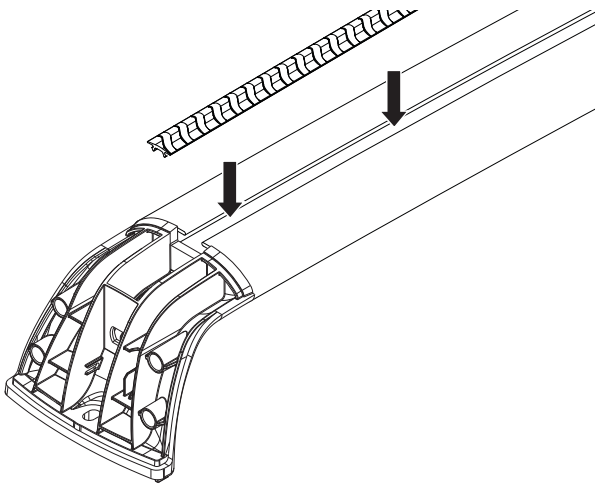
3 Insert the Locking Leg into the Crossbar.



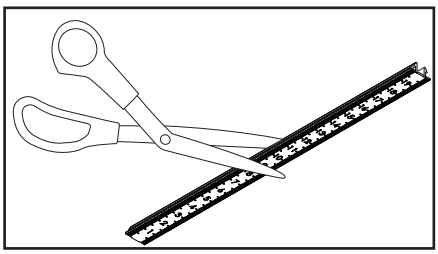
4 Screw the Locking Leg in place using a Phillips Head Screw.

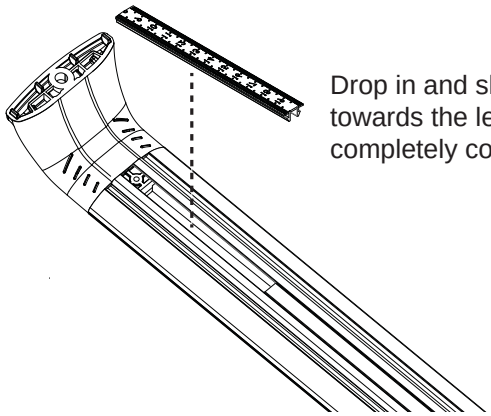


5 Insert Vortex Rubber. Cut to size if required.



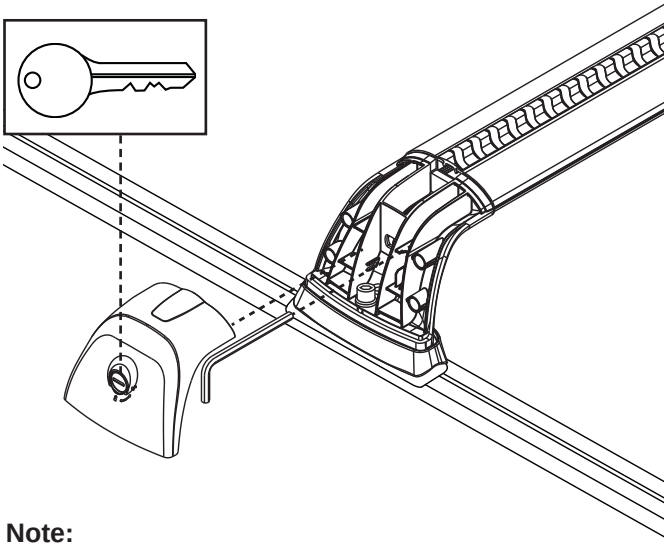
6 Cut the Vortex Underbar Strip to size and fit into the exposed slot as shown.

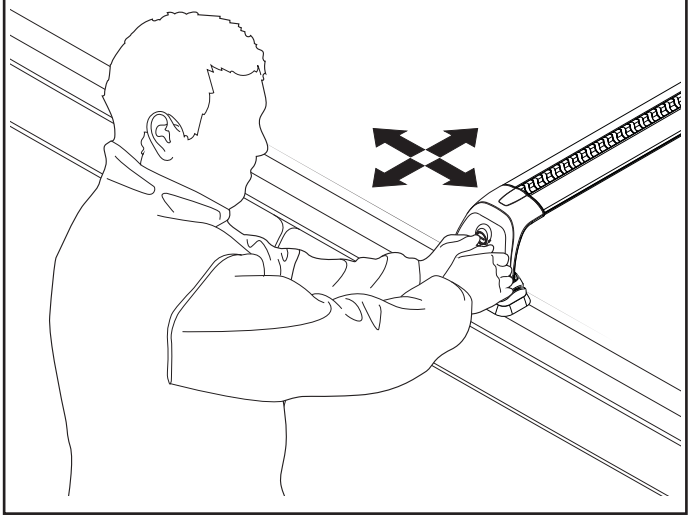




Drop in and slide towards the leg to completely cover slot.

7 Fix the completed Crossbars to the vehicle specific Base Kit that has been purchased using the Allen Key provided.



Note:
Fixture will vary vehicle to vehicle as will harware. **Use the instructions within the Locking Base kit.**

8 Check all fixtures are secure before use.