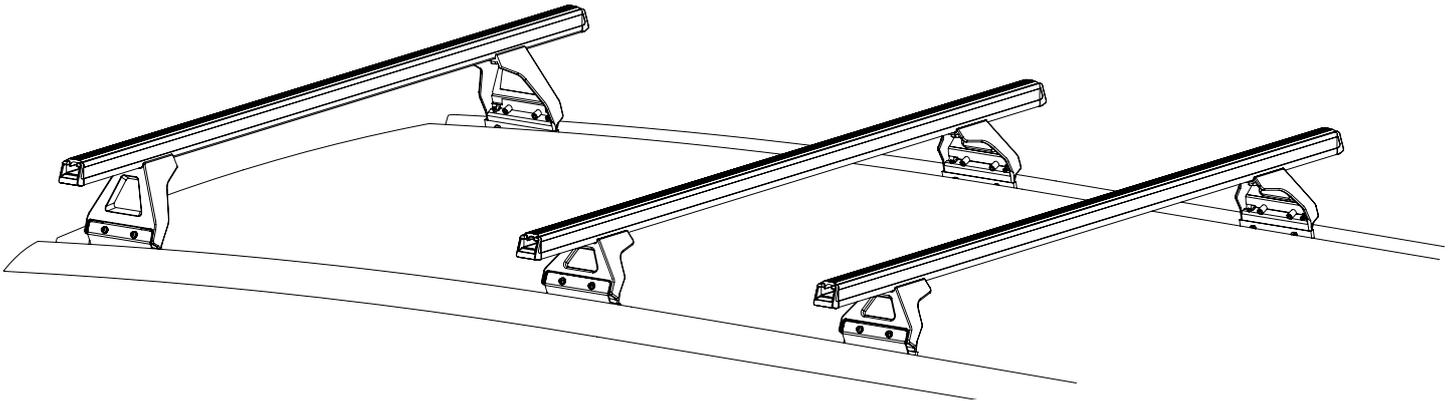


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RHINO-RACK

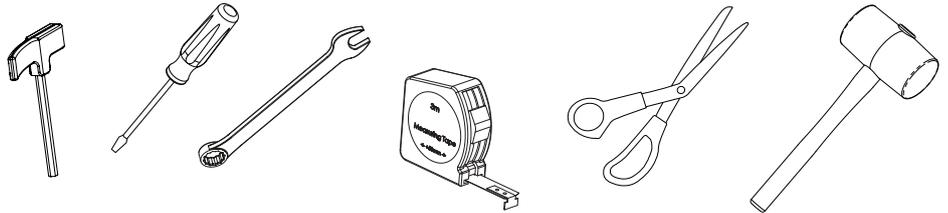
MERCEDES-BENZ VITO

RL110MVF, RL110MVM, RL150MVR



Tools required:

5mm security Allen key (supplied)
Flat head screwdriver
Measuring tape
5/8 or 16mm spanner
Scissors
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 for tension and 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.

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Authorised By: Chris Murty

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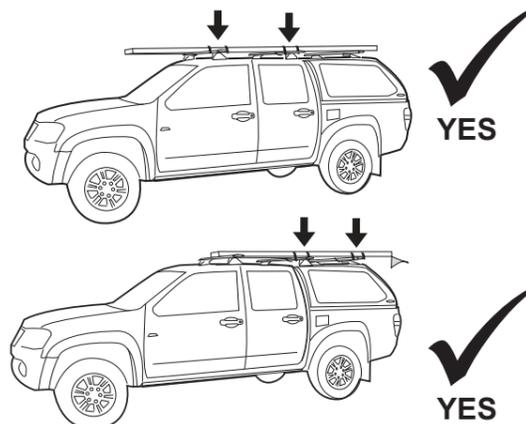
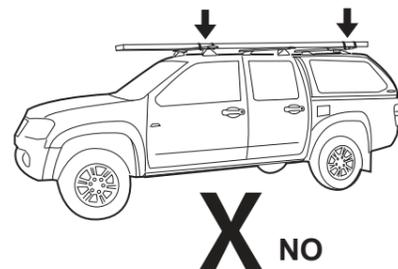
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2 x Crossbars
5kg/11lbs

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.



- 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.



Parts List - Leg Kit. Sold separately.

Item	Component Name	RL110MVF Qty.	RL110MVM Qty.	RL150MVR Qty.	Part No.	
1	110mm Leg (includes 2 x M6 Finloc)	2	2	-	M110	
2	150mm Leg (includes 2 x M6 Finloc)	-	-	2	M150	
3	Leg bracket MR/ML	-	2	-	CA1173	
4	Leg bracket RL/FR	1	-	1	CA1177	
5	Leg bracket RR/FL	1	-	1	CA1178	
6	Rubber leg boot	2	2	2	M053	
7	PVC foam	1	1	1	C135	
8	M6 spring washer	8	8	8	W004	
9	M6 flat washer	8	8	8	W003	
10	M6 x 12mm security screw	-	4	-	B148	
11	M6 x 16mm security screw	4	-	4	B061	
12	M6 x 25mm security screw	4	4	4	B137	
13	M10 flat washer	2	2	2	W023	
14	M10 shakeproof washer	2	2	2	W021	
15	M10 x 25mm hex bolt	2	2	2	B071	
16	M10 channel nut	2	2	2	N024	
17	Crossbar end cap (sold separate)				M002	
18	5mm Torque Allen key	1	1	1	TORKEY-S	
19	Fitting instruction	1	1	1	R258	

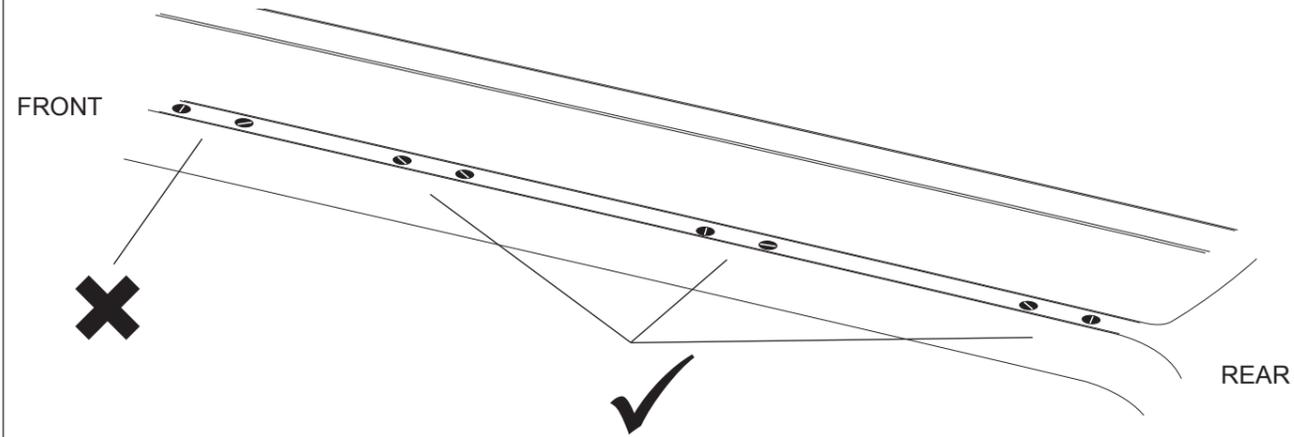
Crossbars sold separately.

Component Name	Part No.	
1500mm HD Bar Silver	RB1500S	
1500mm HD Bar Black	RB1500B	
1500mm Aero Bar Silver	RAB1500S	
1500mm Aero Bar Black	RAB1500B	

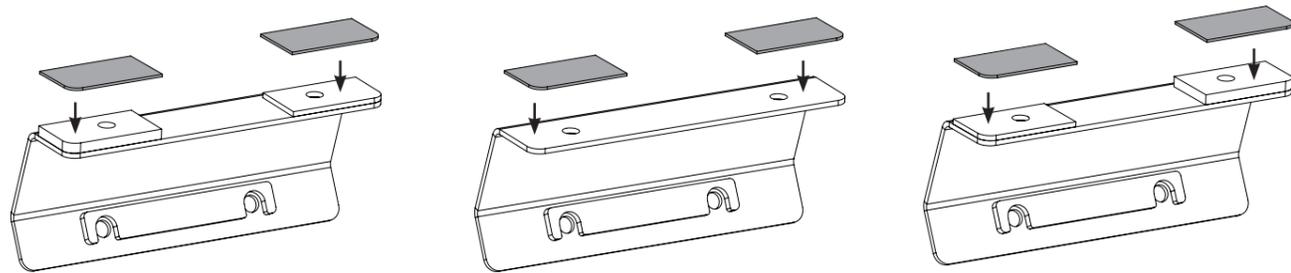


RL110MVF, RL110MVM, RL150MVR

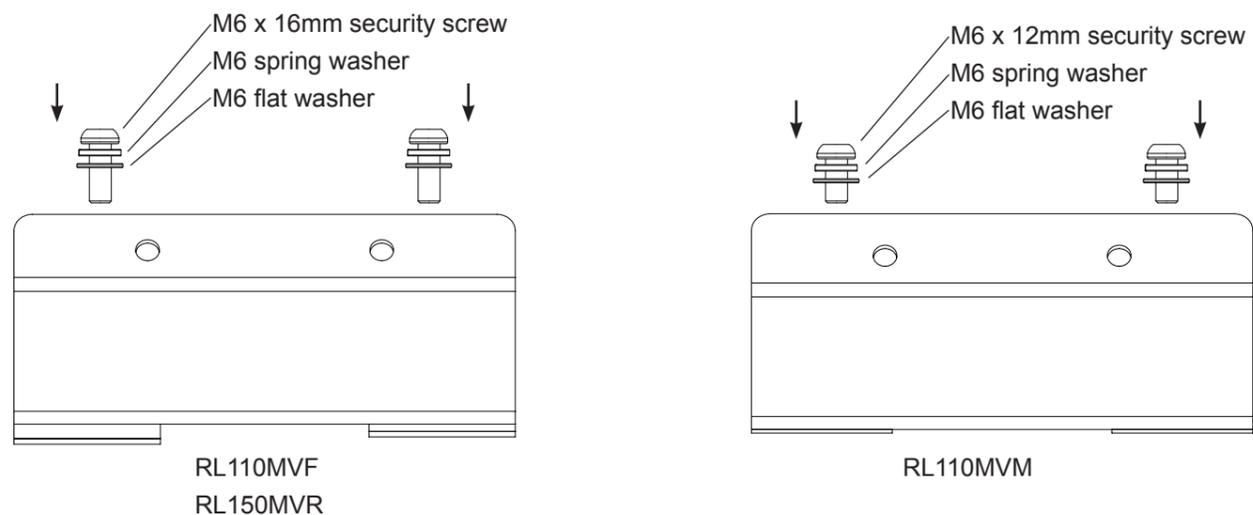
1 Remove plugs on roof channel to expose M6 threads. Please note the front position on either side is not used. Retain plugs for re-use when crossbars are removed.



2 Cut out pieces of PVC foam (item 7) to cover the underside spacers of each bracket. Remove backing strip then adhere to bottom of each bracket as shown in the diagram below.

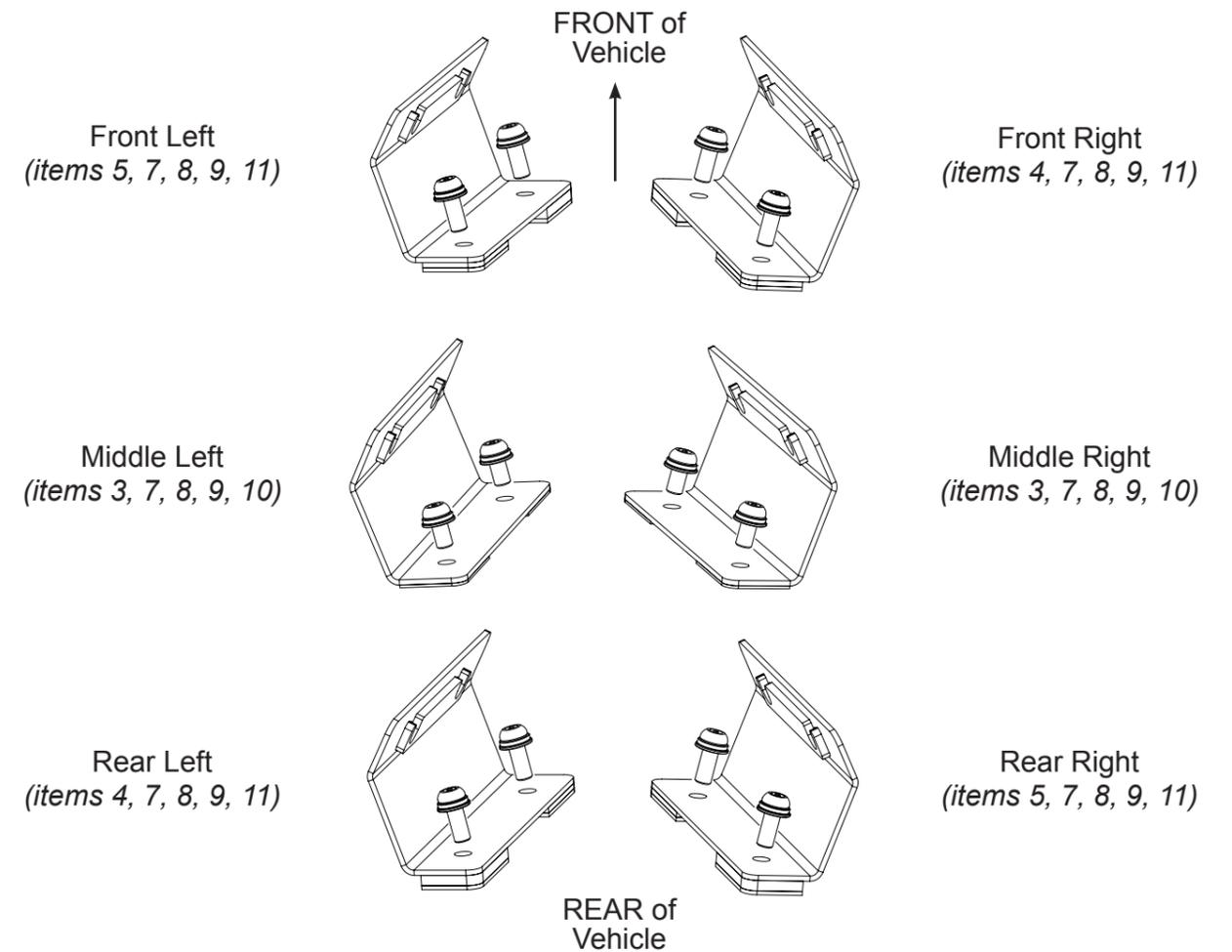


3 M6 x 16mm screws are used for fastening the brackets in kit RL110MVF (Front) and RL150MVR (Rear). M6 x 12mm screws are only used for RL110MVM (Middle).

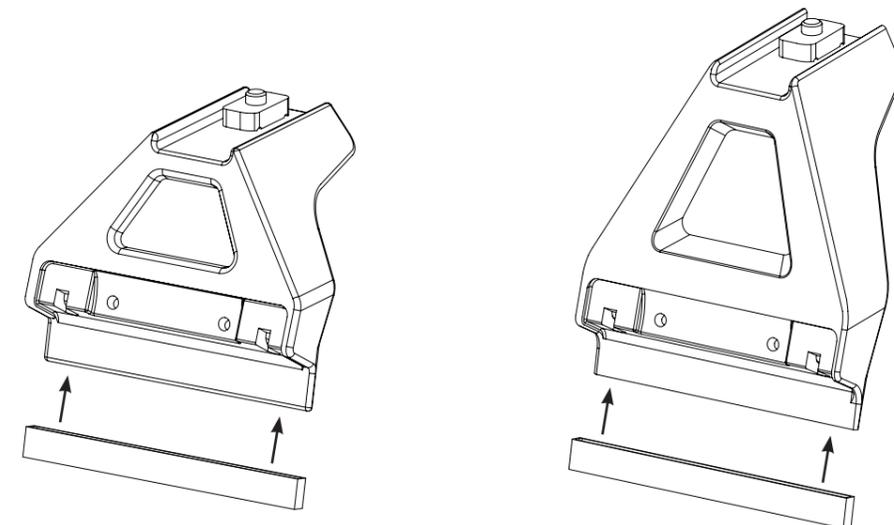


RL110MVF, RL110MVM, RL150MVR

4 Note the higher of two spacers on underside of brackets (items 4, 5). When used for RL110MVF it faces towards front of vehicle. When used for RL150MVR it faces towards rear of vehicle. Mount brackets to the vehicle in their respective positions. Fasten M6 screws 3-4 Nm (2-3 lb/ft) using the supplied Torque Allen key.



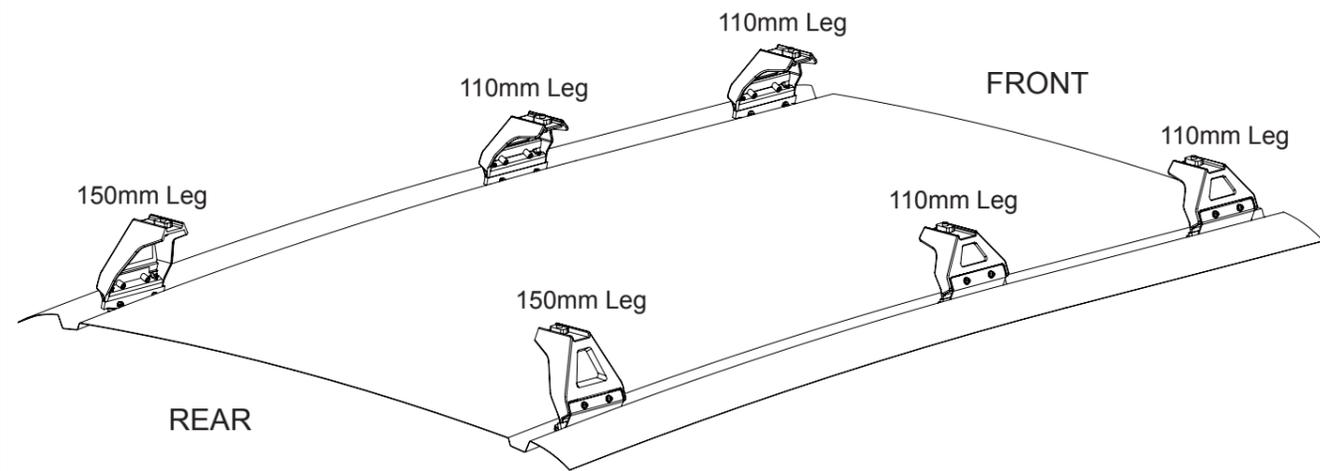
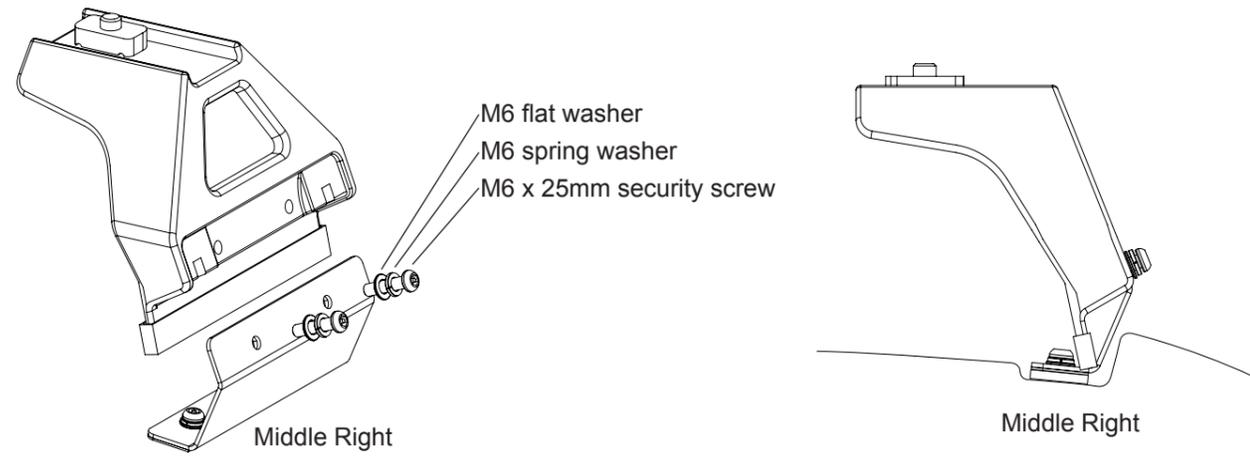
5 Attach a rubber boot (item 6) to the base of each leg.



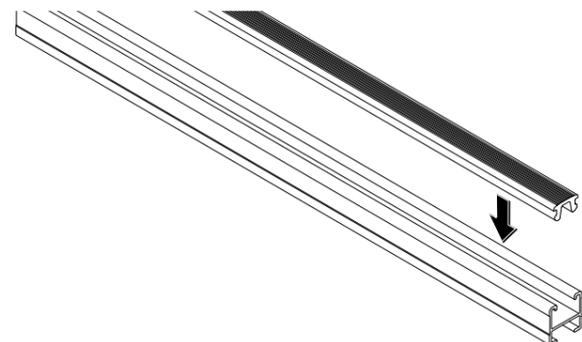


RL110MV, RL110MVM, RL150MVR

6 Fit legs to the inside of brackets. Loosly fasten the M6 x 25mm screws to hold the leg in place. Final tightening will occur after crossbars are positioned. Front & Middle use the 110mm Leg (*item 1*) while the Rear position uses the 150mm Leg (*item 2*).



7

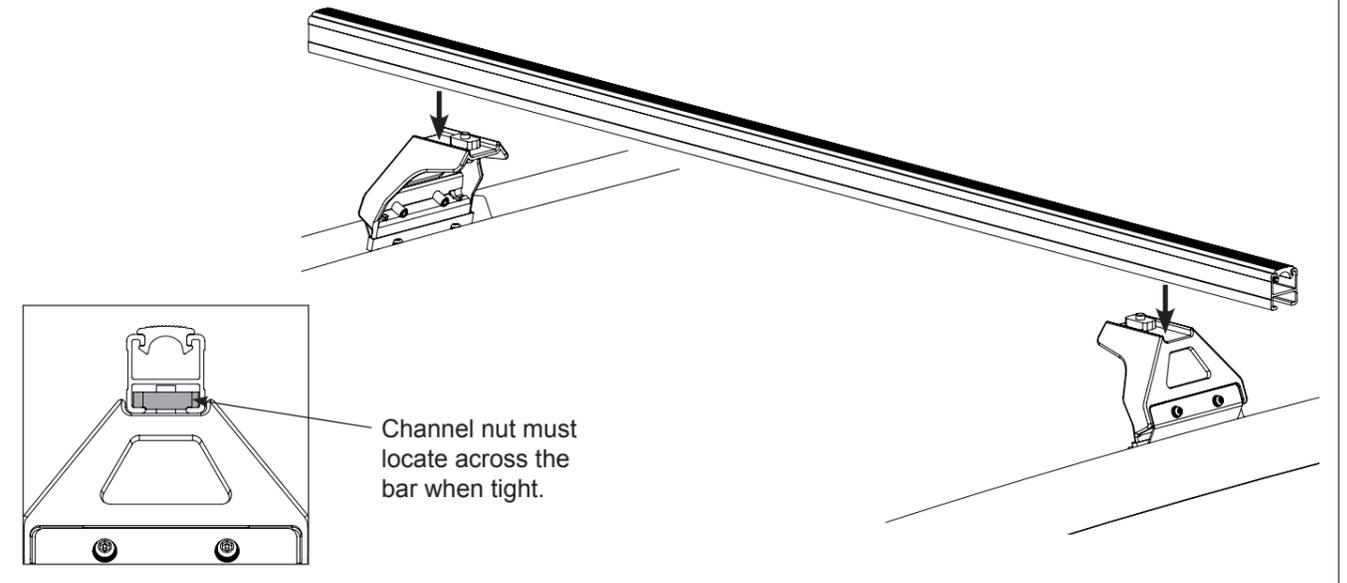


Insert a rubber buffer strip into top of each crossbar.

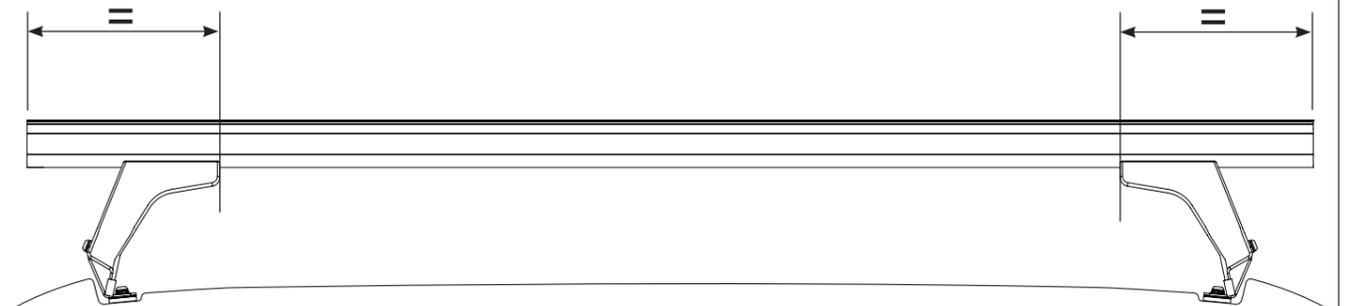


RL110MV, RL110MVM, RL150MVR

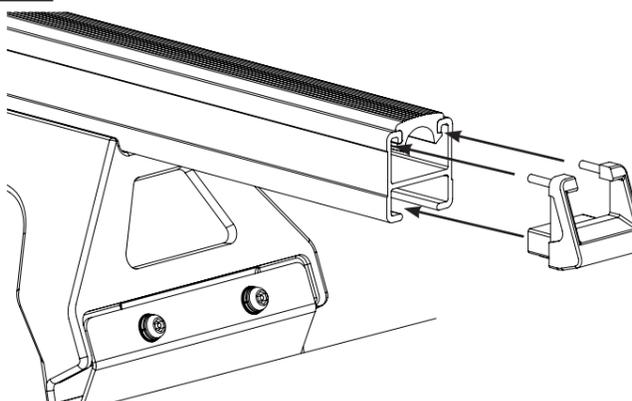
8 Place crossbars (Heavy Duty shown) onto the Legs. Make sure the channel nut is perpendicular to the crossbar when tightening. Lightly finger tighten the M10 bolt. Fasten the M6 x 25mm screws on the leg bracket to 3-4 Nm (2-3 lb/ft) using the Torque Key supplied.



9 Adjust the crossbars to have equal overhang. If using Heavy Duty bars fasten the M10 bolts 13-14 Nm (9-10 lb/ft). If using Aero bars refer to the fitting instruction supplied therein.



10



Fit end caps (*item 17*) to all crossbars. A rubber mallet may be used to gently knock them in.