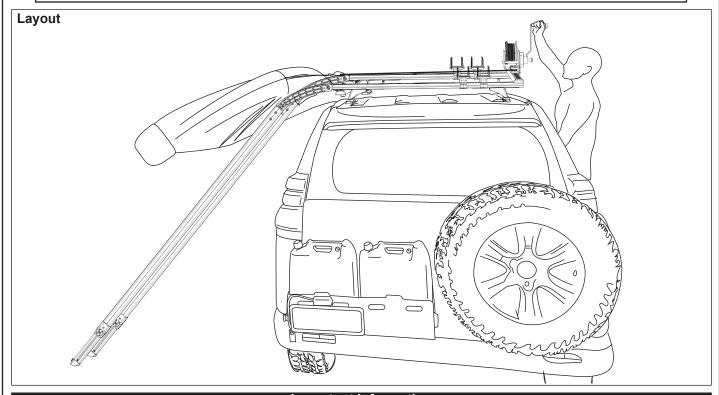
Important:

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.

Place these instructions in the vehicle's glove box after installation is complete.



Important Information

Maximum carrying capacity: 80kg (176lbs)

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

Do not attempt to fit the NKL to your vehicle unless you fully understand this fitting instructions. Please direct any questions regarding fitting to the dealer from where the NKL was 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 and NKL. 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 and NKL 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.

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: R356 Prepared By: Andy Wana Authorised By: Chris Murty

Issue No: 07

Issue Date: 20/01/2016

Fit Time: 1.5 Hours

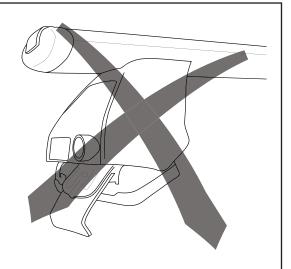
These instructions remain the property of Rhino-Rack Australia Pty Ltd and may not be used or changed for any other purpose than intended.

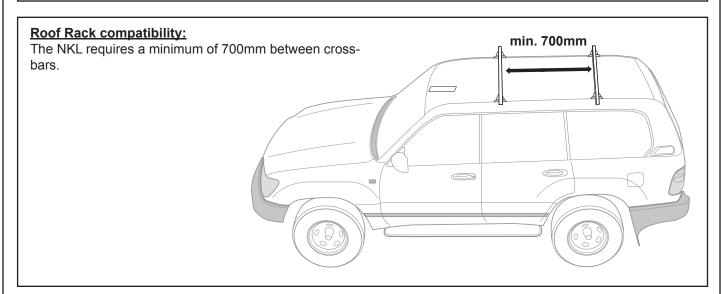


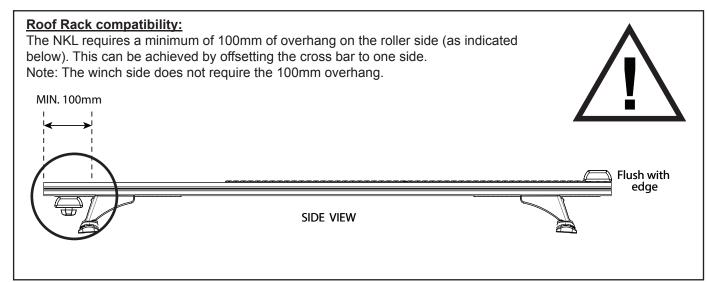
Prior to commencing installtion, please check the following requirements.

Roof Rack compatibility:

The NKL is not suitable for fitment to a clamp in the door style roof rack system as large forces are exerted on the roof rack system during the winching process.







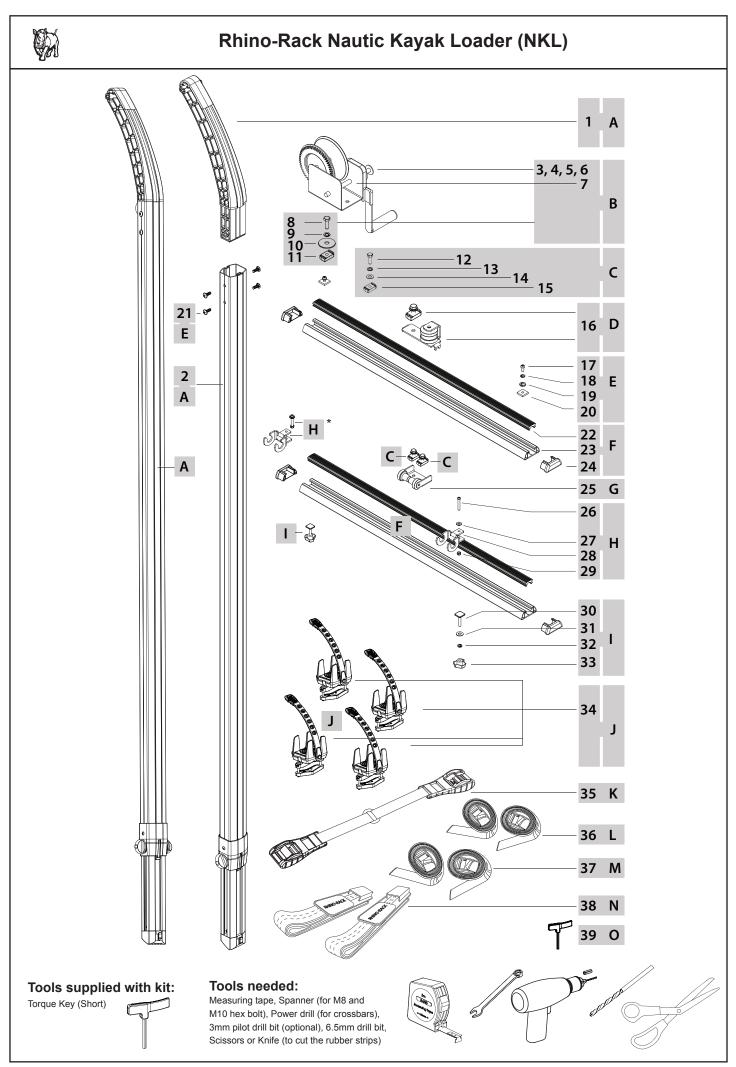
NKL demonstration video:

http://youtu.be/FlpxXv9Ah3c

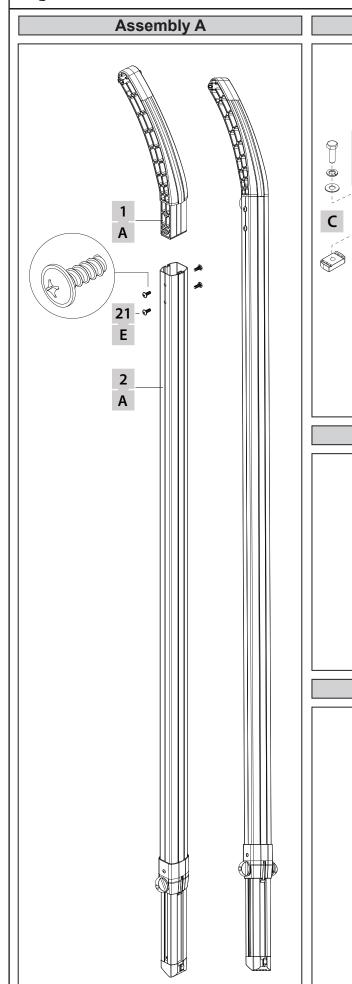


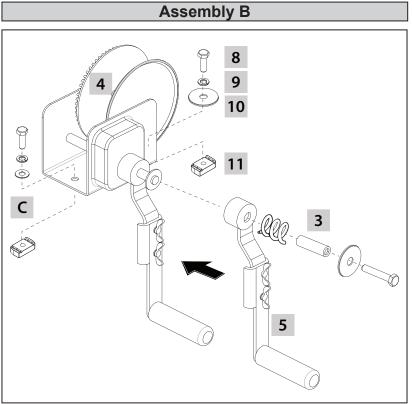
Parts List

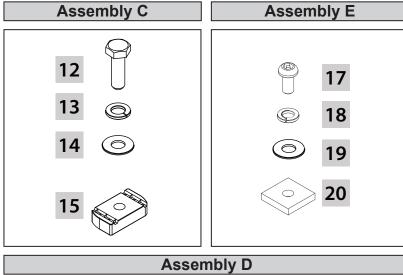
Α					E			
Item	Component Name	Qty	Part No	Item	Component Name	Qty	Part No	
1	Ramp Curved Piece	2	M226	17	M6 X 12 Security Screw	2	B148	
2	1/2 x 10G Pan Phillips S/T Screw	8	B045	18	M6 Spring Washer	2	W004	
	Lower Internal Ramp 1250mm	2	A293	19	M6 Flat Washer	2	W031	
	Upper External Ramp 1700mm	2	A294	20	M6 Nut 24 x 21 x 4mm	2	N057	
	M6 x 25 Square Head Bolt	2	B015	21	1/4-10 x 18mm Flange Screw	8	B046	
	Rivet 01661-00516	4	H023		F			
	M6 Track Knob	2	M175	22	Rubber Moulding	2	R004	
	Inside Leg Stop	2	M224	23	Half HD Crossbar 1360mm	2	A555D	
	Ramp Centre Joiner	2	M225	24	Half HD Crossbar End Cap	4	M535	
	Ramp Foot	2	M239			I .		
	M6 Standard Hex Nut Mech Gal	2	N022		G	Ι _	D070	
	Ramp Slip Strip 1680mm	2	R049		M8 x 22 Hex Screw	2	B076	
	1/4 x 1/4 Flat Washer S/S	4	W029		Silicon Rubber Cap	1	C310	
	Disc Spring Washer	2	W044		M6 x 90 Button HD Security	1	B097	
В			25	NKL PVC Horizontal Roller	1	CA1257		
3	Winch Handle Fastener Kit	1	_		NKL Horizontal Roller Bracket	1	CA1258	
4	Snap Hook	1	C086		M6 Nyloc Nut	1	N013	
5	Braided Line (White)	1	C597		M6 S/T Flat Washer	2	W031	
6	Winch Handle	1	-	H* Sold Separately (also available in				
7	Brake Winch (capacity 500kg)	1	CA1255		Thule & Yakima Fit Kits)			
8	M10 x 25 Hex Screw	1	B071	26	M6 x 40mm HD Security Bolt	2	B085	
9	M10 Shakeproof Washer	1	W021	27	M6 Flat Washer S/T	2	W031	
10	M10 Flat Washer	1	W022	28	NKL Aero Bar Ramp Hook	2	CA1233	
11	M10 Channel Nut	1	N024	29	M6 Nyloc Nut	2	N013	
C See C sub assembly					I			
С			30	M6 x 35 Square Head Bolt	2	B129		
12	M8 x 22 Hex Screw	3	B076	31	M6 Flat Washer	2	W031	
13	M8 Spring Washer	3	W019	32	M6 Spring Washer	2	W004	
14	M8 Flat Washer	3	W020	33	M6 Plastic Knob with S/S nut	2	N008	
15	M8 Channel Nut	3	N003	J				
				34	Multi purpose holder	4	RMPHU	
	D	1 .						
16	M10 x 25 Hex Screw	1	B071					
	M10 x 65 S/T Hex Bolt	1	B026					
	Clamp Bush Short	2	CA1264					
	NKL PVC Vertical Roller	1	CA1256		K	1 4	0.4.40=0	
	NKL Vertical Roller Bracket	1	CA1234	35	NKL Tiedown with Ring	1	CA1259	
	M10 Shakeproof Washer	2	W021		L			
	M10 Flat Washer	1	W022	36	4.0m Straps Metal Buckle C019	2	RTD4	
	M10 Channel Nut	2	N024		M			
					37 5.5m Straps Metal Buckle C153 2 RTD5			
Tool(s) included								
0				N				
39	Torkey Allen Key (Short)	1	TORKEY-S	38	3.0m Padded Straps C352	2	RTD30S	
							Daga 2 of 1	

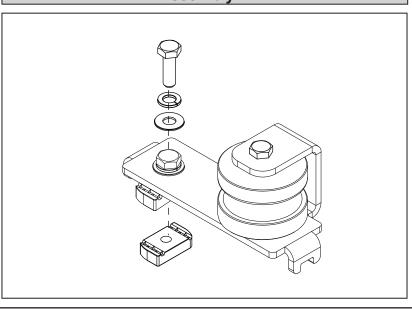




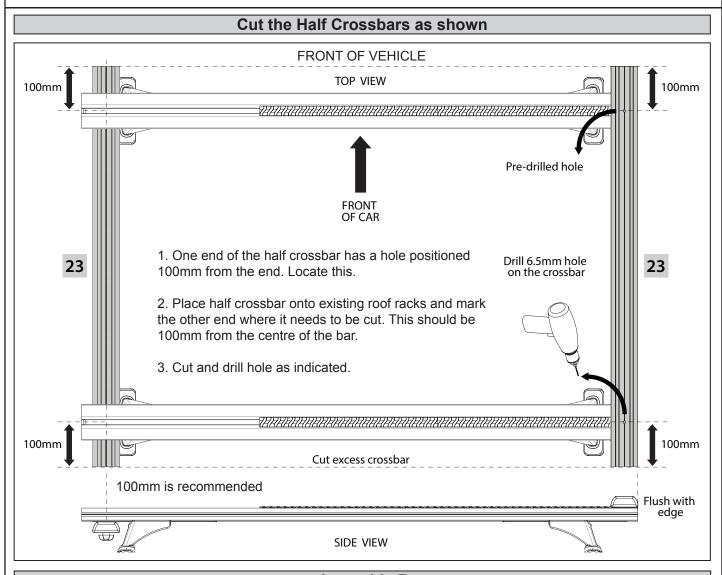






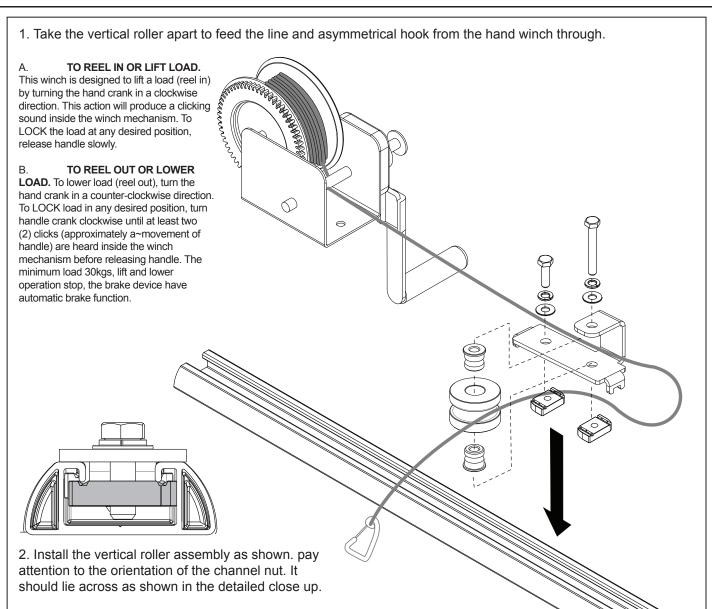


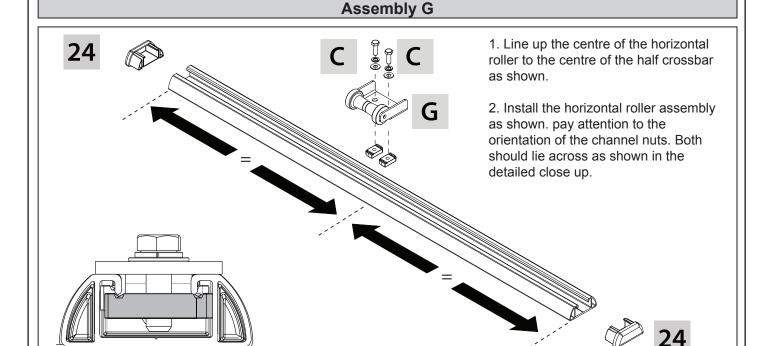




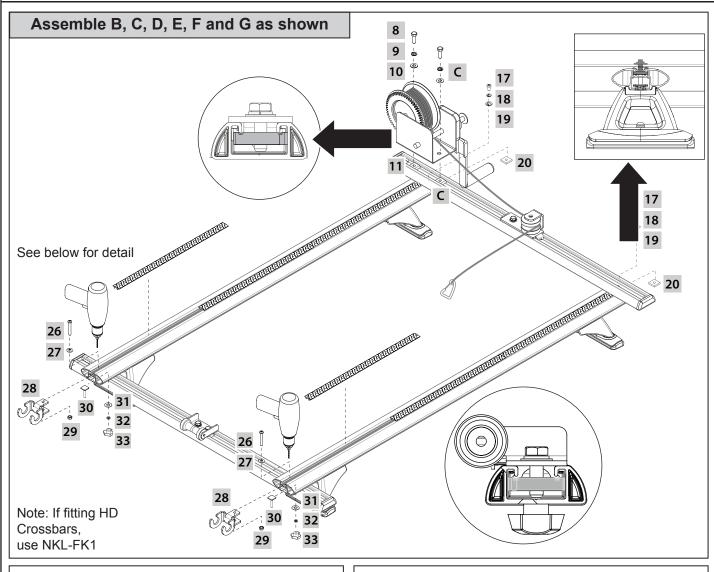
Assembly F Line up the edge of the vertical roller to the centre of the half crossbar as shown. Mark the location on the crossbar with a pencil.

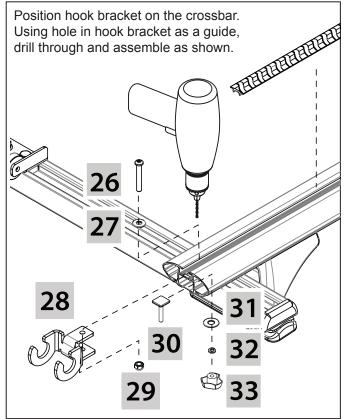


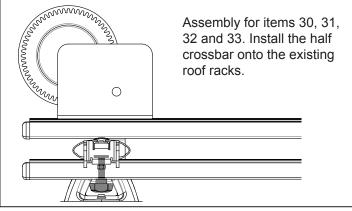




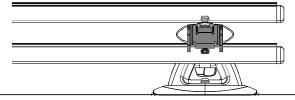




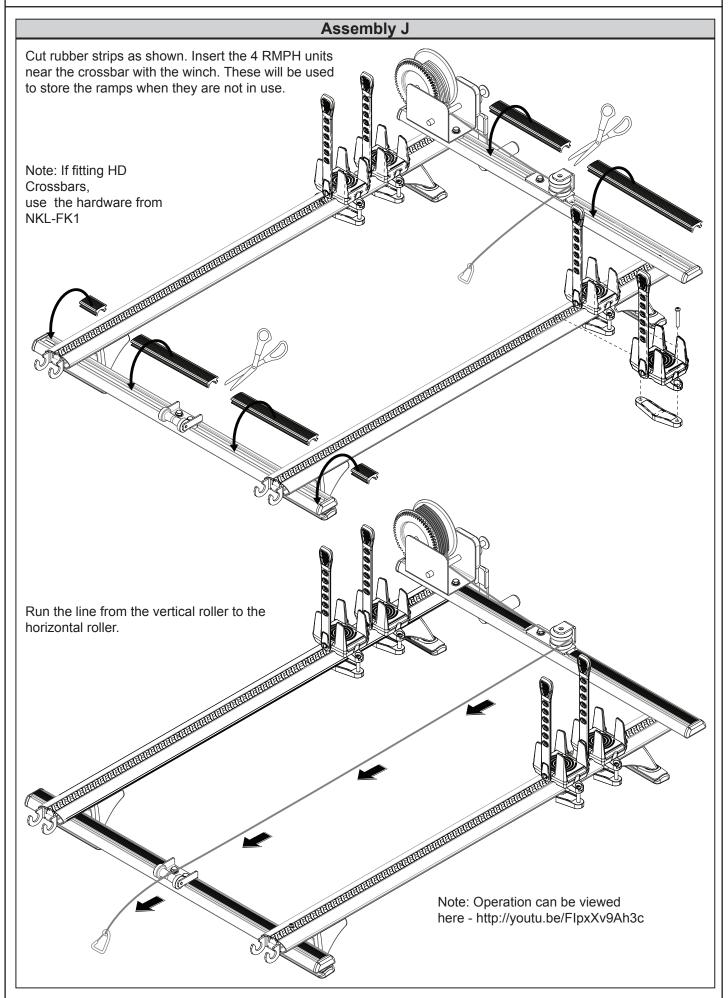




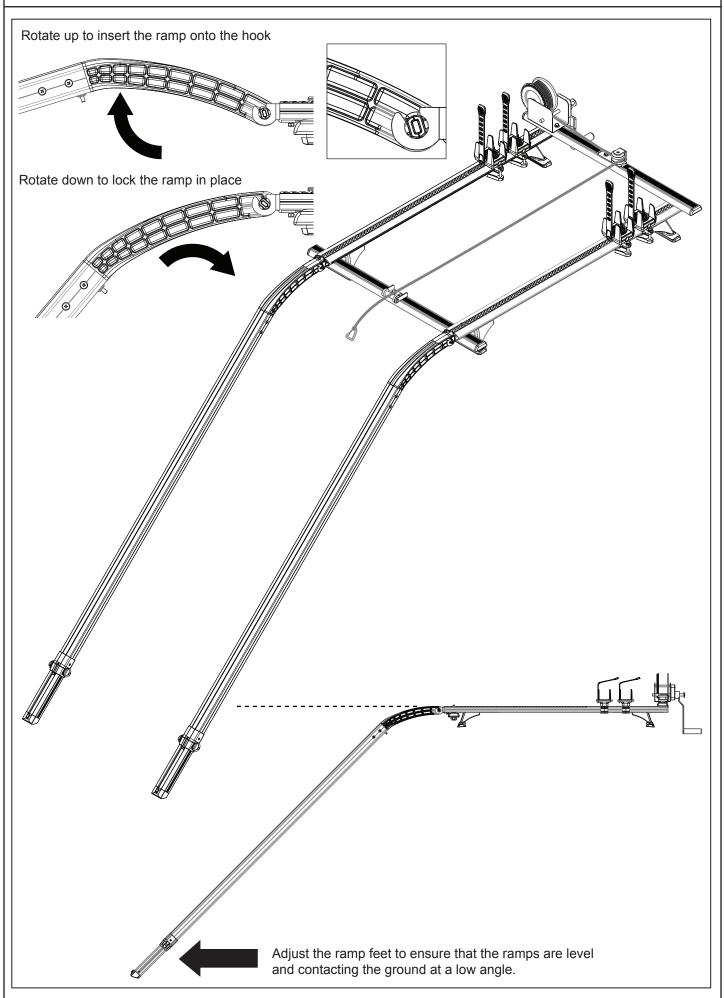
Assembly for items 26, 27, 28 and 29. Drill existing crossbar prior to installing the half crossbar. Ensure the hook doesn't foul the half bars.







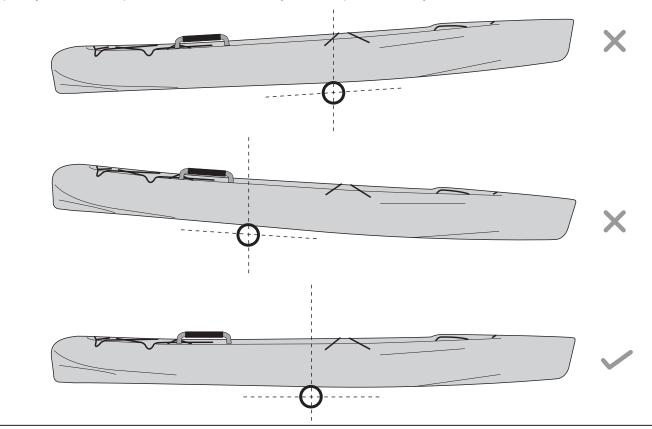


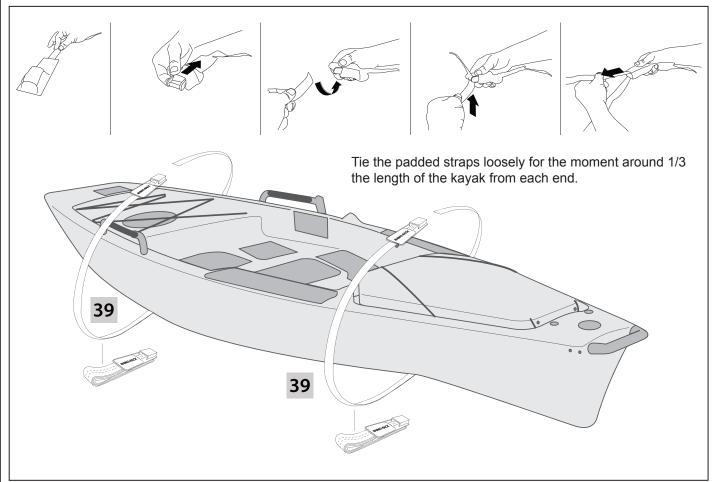




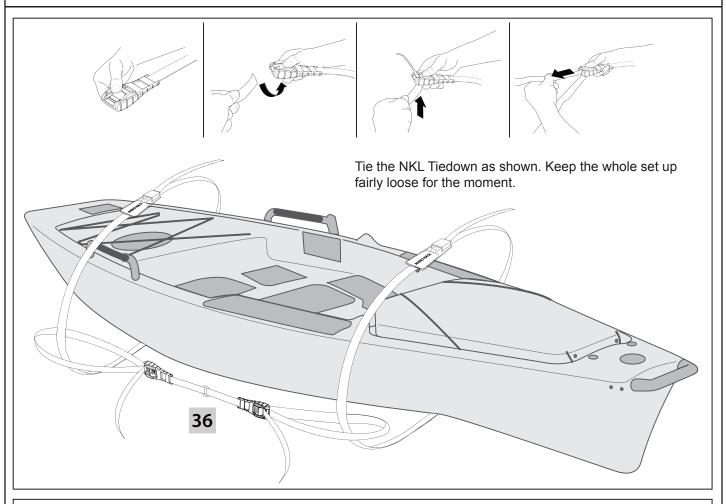
Assembly K and N

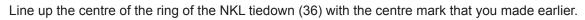
Find the balanced point on the kayak. This may not be directly in the middle due to uneven weight distribution. Use a pipe object to find the point and mark it on the kayak with a pencil for easy reference in the future.

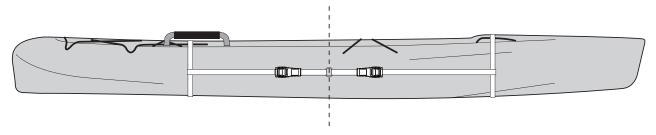




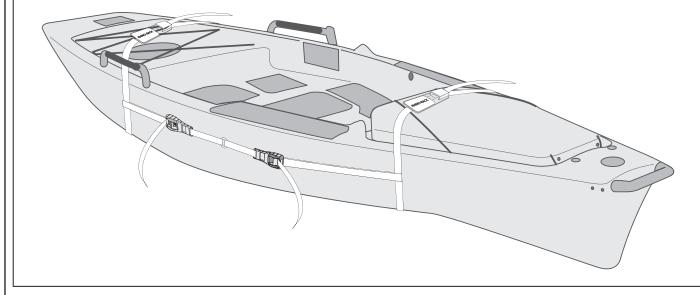




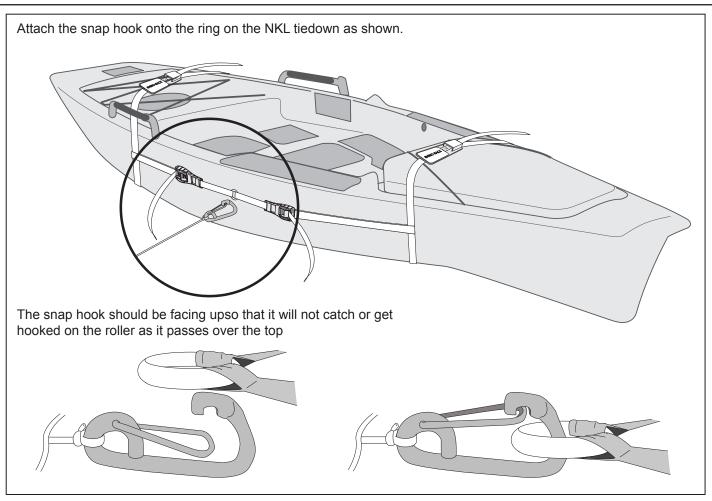


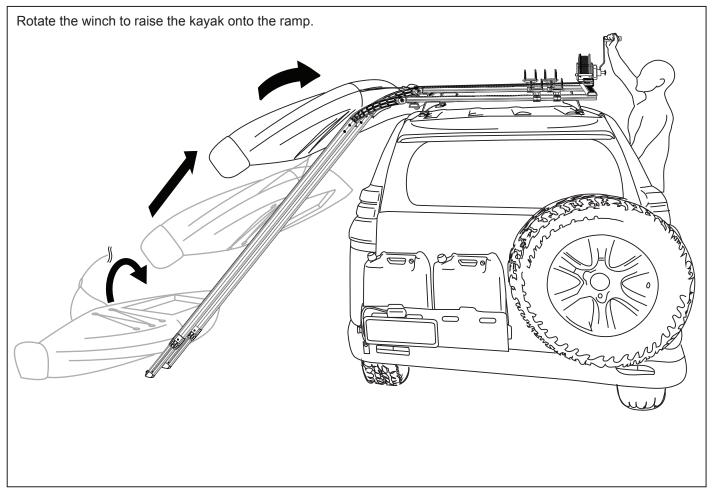


Tighten the tiedowns in place as shown. Now the kayak is ready to be lifted onto the roof racks.

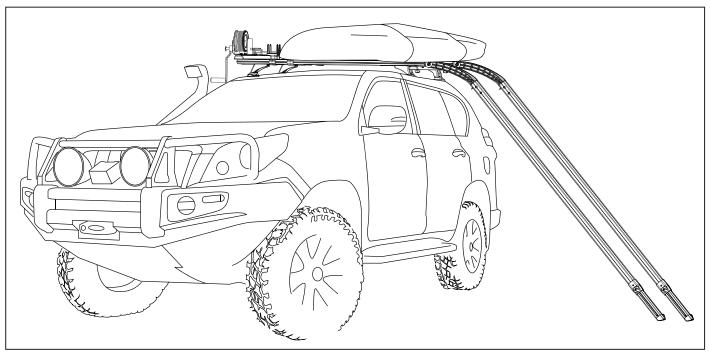


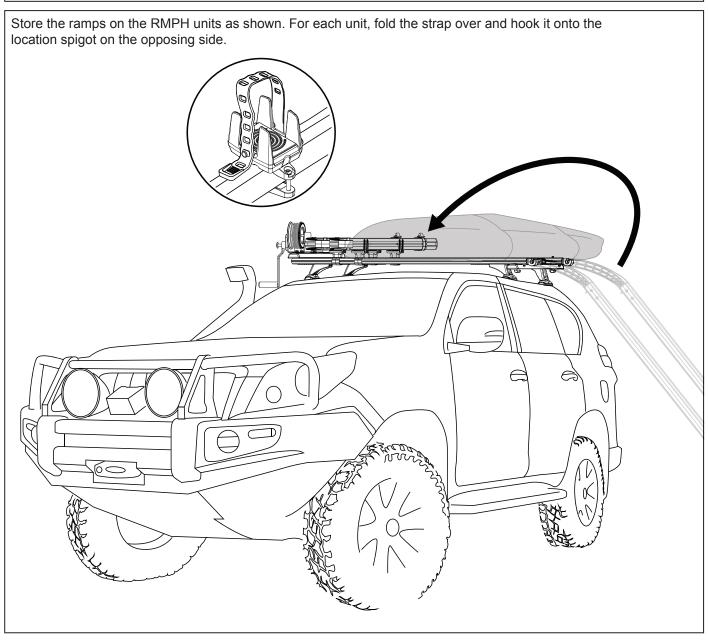




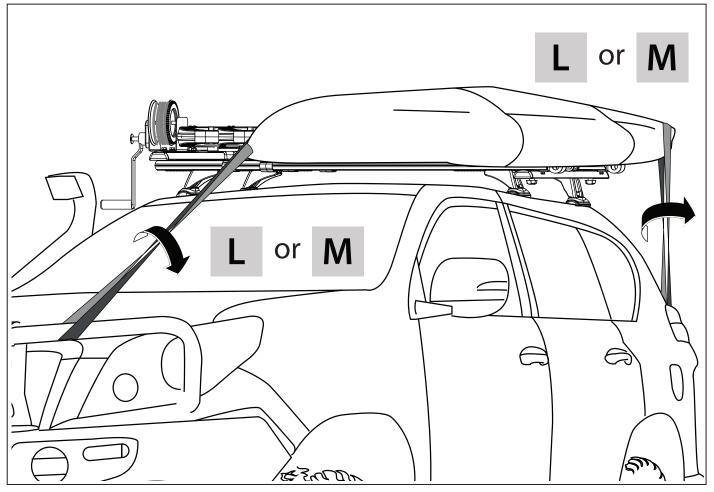


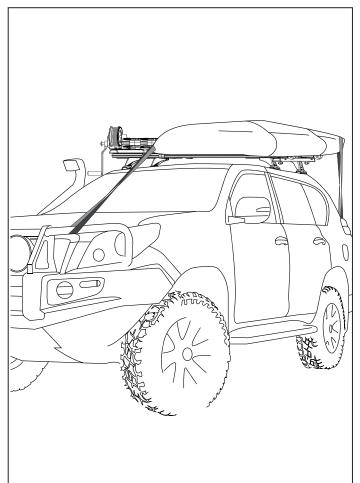


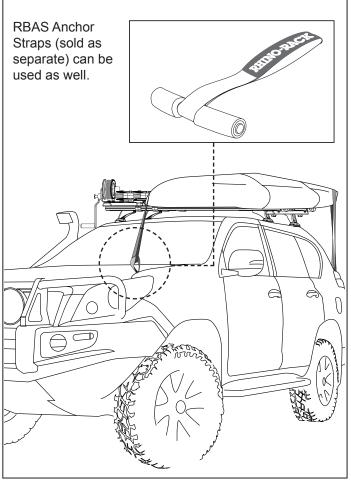






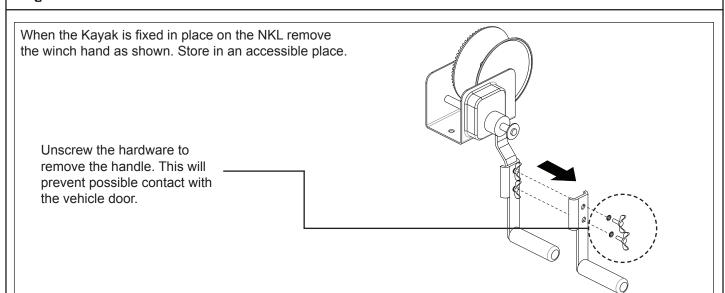






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Appendix A

How to Tie a Bowline Knot

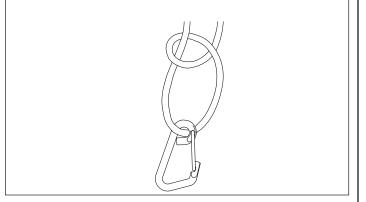
<u>Step 1:</u>

Thread one end of the rope through the eye of the snap hook and pull through approximately 20cm of rope. Create a loop in the long end of the rope as indicated below.



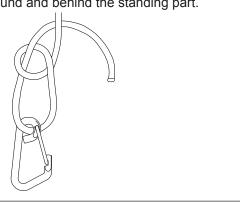
<u>Step 2:</u>

Insert end of rope through the loop from the under side.



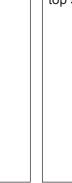
Step 3:

Pull the end around and behind the standing part.



Step 4:

Insert the end back through the loop entering from the top side.



<u>Step 4:</u>

Set the knot in this position.