



# RHINO-RACK

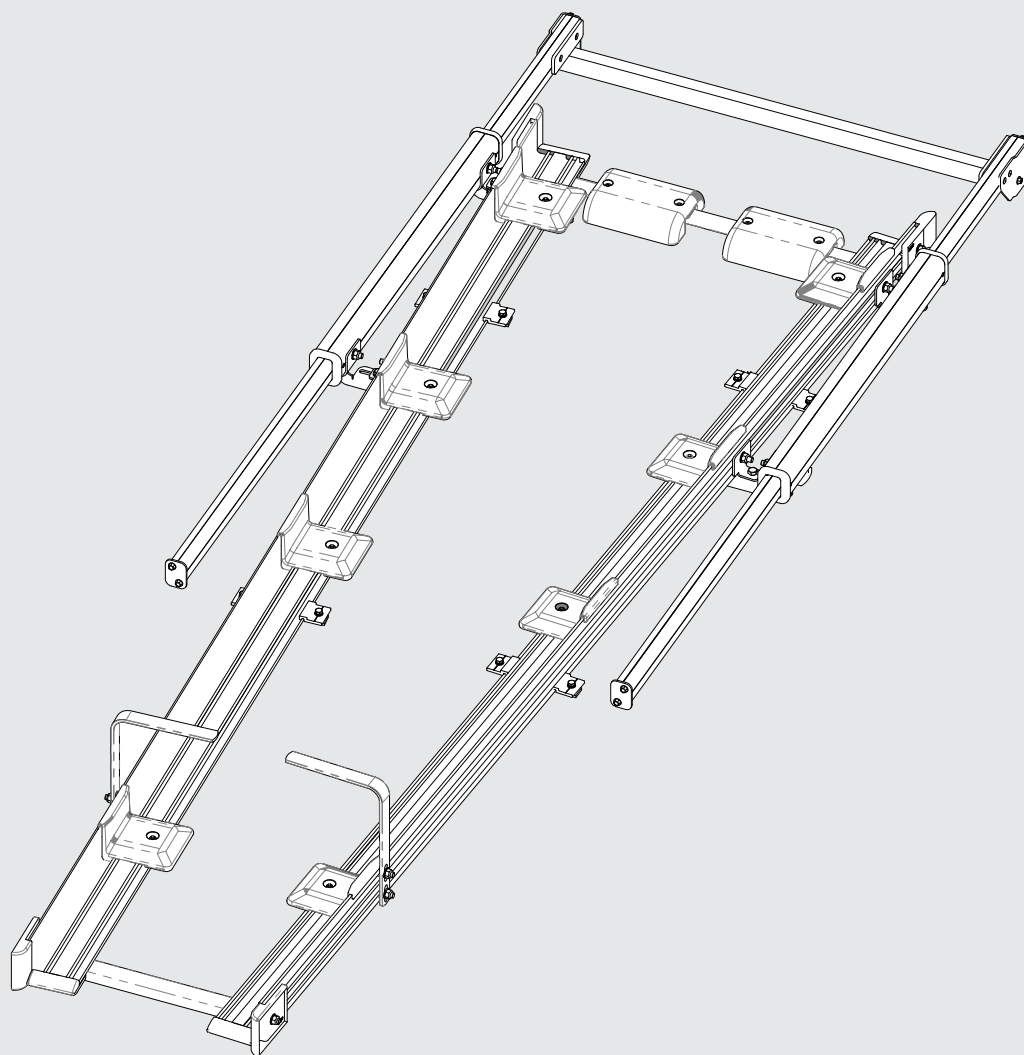
CONTROLLED

## Sliding Ladder System - T7-SLRS

**Important:**

1. Check the Rhino-Rack website to ensure you have the latest issue of these instructions.
2. Please refer to your fitting instruction to ensure that the roof racks are installed in the correct locations.
3. Check the contents of kit before commencing fitment and report any discrepancies.
4. Place these instructions in the vehicle's glove box after installation is complete.
5. These instructions must be followed for warranty to be upheld.

**Fit Time:** 1 hour



## Instructions

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### Carrying Capacity

#### System load capacity: 42kg / 92lbs

Check your vehicle owners hand book for vehicle maximum carrying capacity. Please ensure you use the vehicle manufactures maximum roof allowance if it is lower than the figure listed in this instruction.

Load must be evenly distributed over the system.

### Torque Settings

Unless stated otherwise in these instructions, all fasteners should be set to the following torque settings - M6: 4-5Nm (3-4lbs/ft), M8: 8-10Nm (6-7.5lbs/ft) and M10: 16-18Nm (12-13lbs/ft).

### Warning

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- Check part number/ or kit is correct for use with your vehicle.
- 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.
- Although the system is tested and approved to AS1235-2000 / ISO 11154, off-road conditions can be much more rigorous. Extreme care must be taken in off road conditions.
- Roof racks must be removed when vehicle is put through an automatic car wash.
- 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.
- Always ensure you fasten your load securely.
- Use only non-stretch fastening ropes or straps to attach cargo to your load.
- Clean vehicle/ rails before fitting roof rack.

### In service maintenance checks

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- All bolt connections should be checked after driving a short distance when you first install your roof racks.
- All bolted connections should be checked again at regular intervals (weekly is recommended, depending on road conditions, usage, loads and distances travelled).
- All bolted connections should be checked each time they are re-fitted.

### Note for Dealers and Fitters

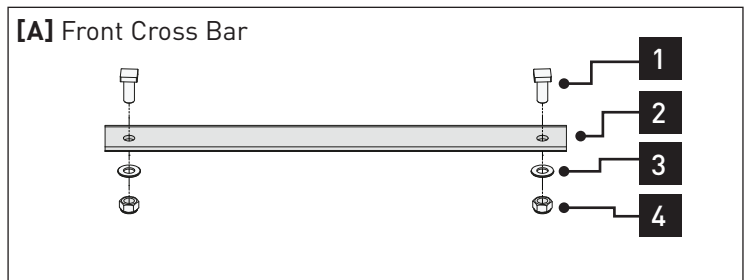
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It is your responsibility to ensure these fitting instructions are given to the end user or client. These instructions remain the property of Rhino-Rack Australia Pty. Ltd. and may not be used or changed for any other purpose than intended.

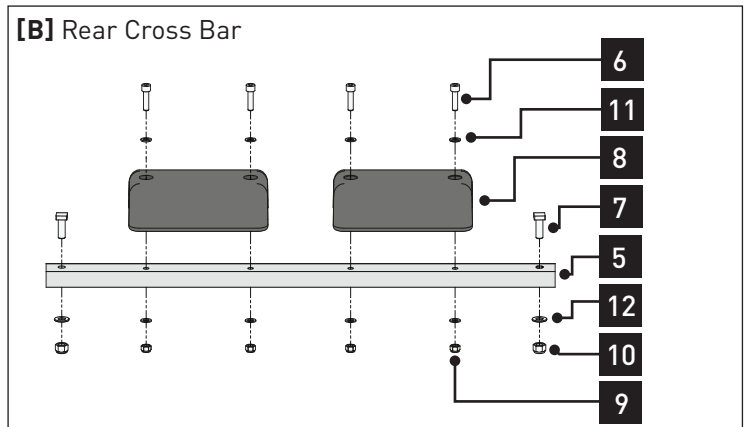
# Instructions

## Parts List

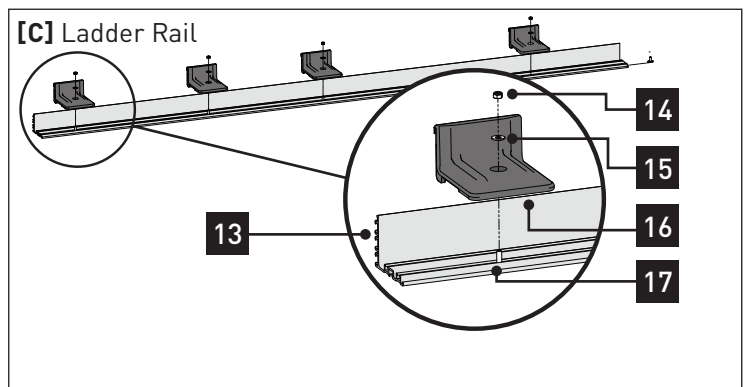
Item	Description	Qty
Front Crossbar (A) x1		
1	M8 x20mm T-Bolt	2
2	400mm Drilled Front Bar	1
3	M8 x 17mm Flat Washer	2
4	M8 Nyloc Nut	2



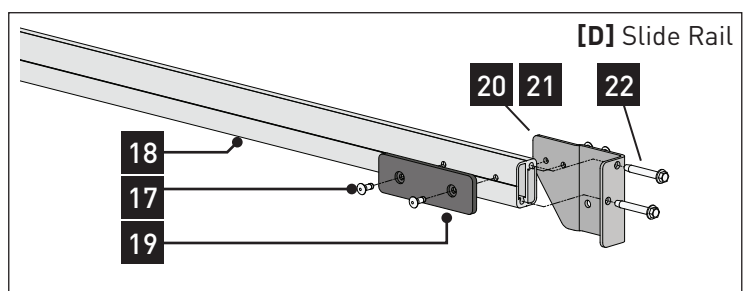
Rear Crossbar (B) x1		
5	585mm Drilled Rear Bar	1
6	M6 x20 HD Socket Capscrew	4
7	M8 x20mm T-Bolt	2
8	HD EasySlide Pad	2
9	M6 Nyloc Nut	4
10	M8 Nyloc Nut	2
11	M6 x 12.5mm Flat Washer	8
12	M8 x 17mm Flat Washer	2



Ladder Rail (C) x2		
13	2.2m Slide Rail	1
14	M6 Nyloc Nut	4
15	M6 x16mm Flat Washer	4
16	Ladder Slide Pad	4
17	M6 x 15mm T-Bolt	4

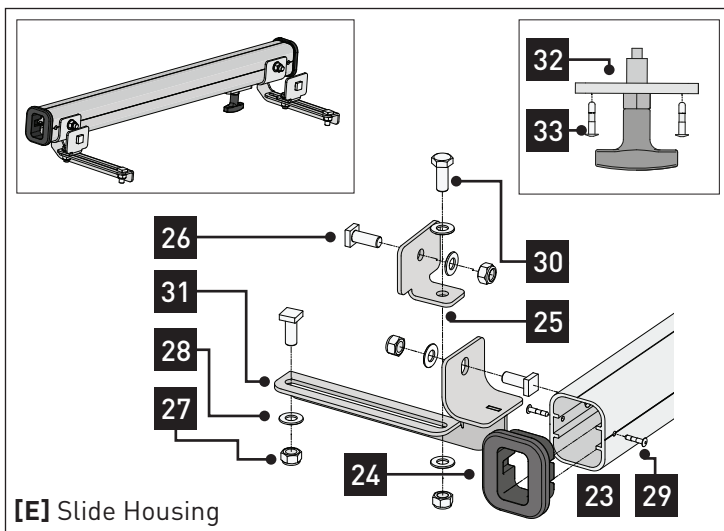


Slide Rail (D) x2		
18	1500mm Rail Extrusion Inner	1
19	Black High Density Block	1
20	Joining Bracket L/H	1
	Joining Bracket R/H	1
21	5mm Rivet	4
22	M6 x 20mm Trilobal Screw	4

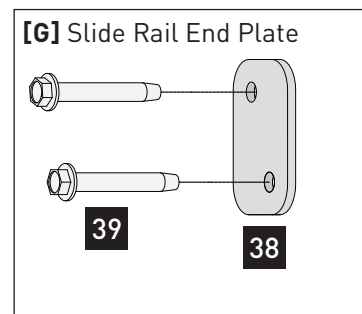
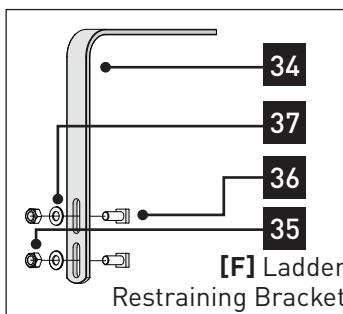


# Instructions

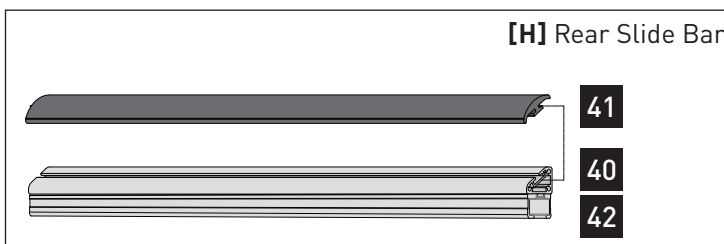
Slide Housing (E) x2		
23	600mm Rail Extrusion Outer	1
24	Sliding End Cap	2
25	90° Support Bracket	2
26	M8 x 20mm T-Bolt	6
27	M8 Nyloc Nut	8
28	M8 x 17mm Flat Washer	10
29	3mm Rivet	4
30	M8 x 20mm Hex Head Bolt	2
31	Attaching Bracket	2
32	Locking Pin Assembly (LHS Only)	1
33	3mm Rivet (LHS Only)	2



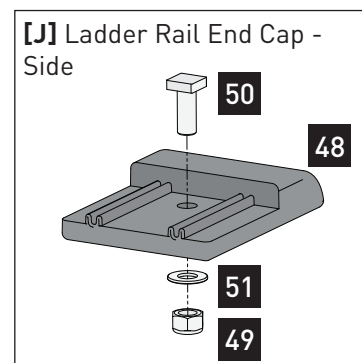
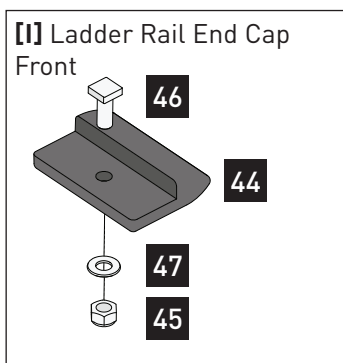
Ladder Restraining Bracket (F) x2		
34	Ladder Hoop Bracket	1
35	Nyloc Nut	2
36	T-bolt	2
37	M8 x 17mm Flat Washer	2



Slide Rail End Plate (G) x2		
38	Slide Rail End Plate	1
39	M6 x 20mm Trilobal Screw	2



Rear Slide Bar (H) x1		
40	Cross Rail 780mm	1
41	780mm PVC Strip - Black	1
42	Clear Anodised Under-bar	1
43	Rivet	4



Ladder Rail End Cap (I) - Front x 4		
44	Front Ladder Rail End Cap	1
45	M8 Nyloc Nut	1
46	M8 x 20mm T-Bolt	1
47	M8 x 17mm Flat Washer	1

Ladder Rail End Cap (J) -Side x 4		
48	Side Ladder Rail End Cap	1
49	M8 Nyloc Nut	1
50	M8 x 20mm T-Bolt	1
51	M8 x 17mm Flat Washer	1

# Instructions

## SUB0755 (K) x8 (sold separately)

52	M8 Locking Tab	1
53	M8 T-bolt Bolt	1
54	M8 Flat Washer	1
55	M8 Nyloc Nut	1

## RLS5 or SLS5 (L) x1 (sold separately)

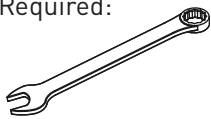
56	Kit varies on customer choice	1
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## 57 Ladder Cable Lock (M) x1

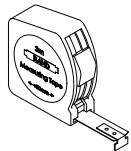
## Ball Handle (N) x1

58	Ball Handle	1
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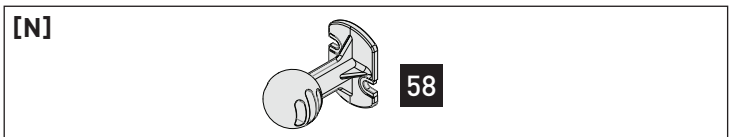
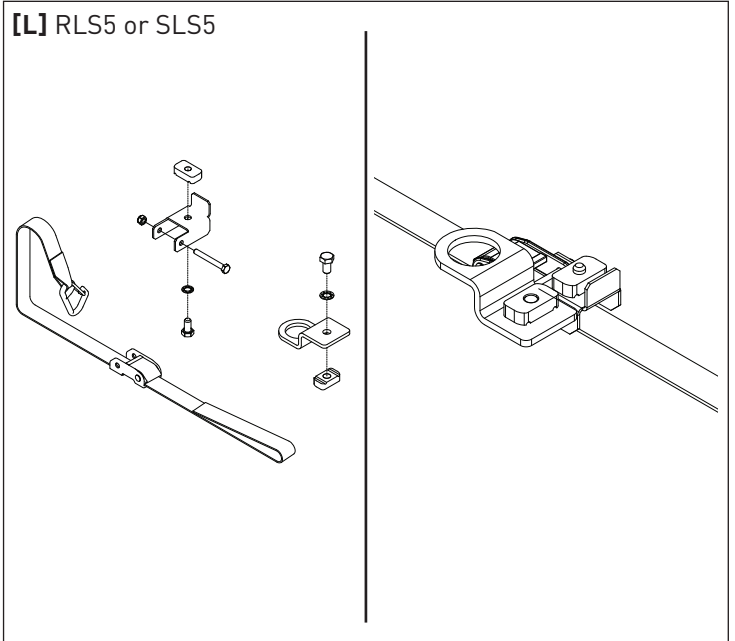
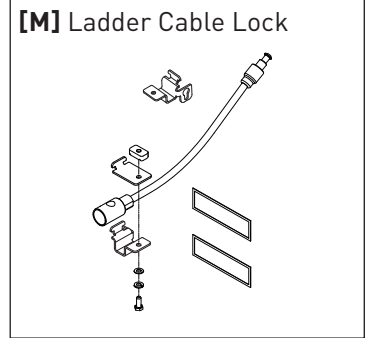
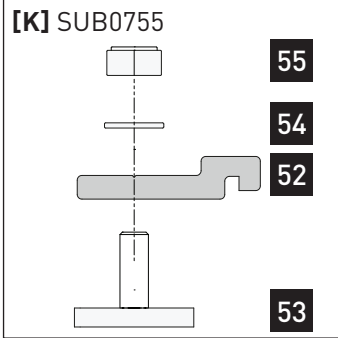
### Tools Required:



8,10 & 13mm  
Spanner



Tape Measure

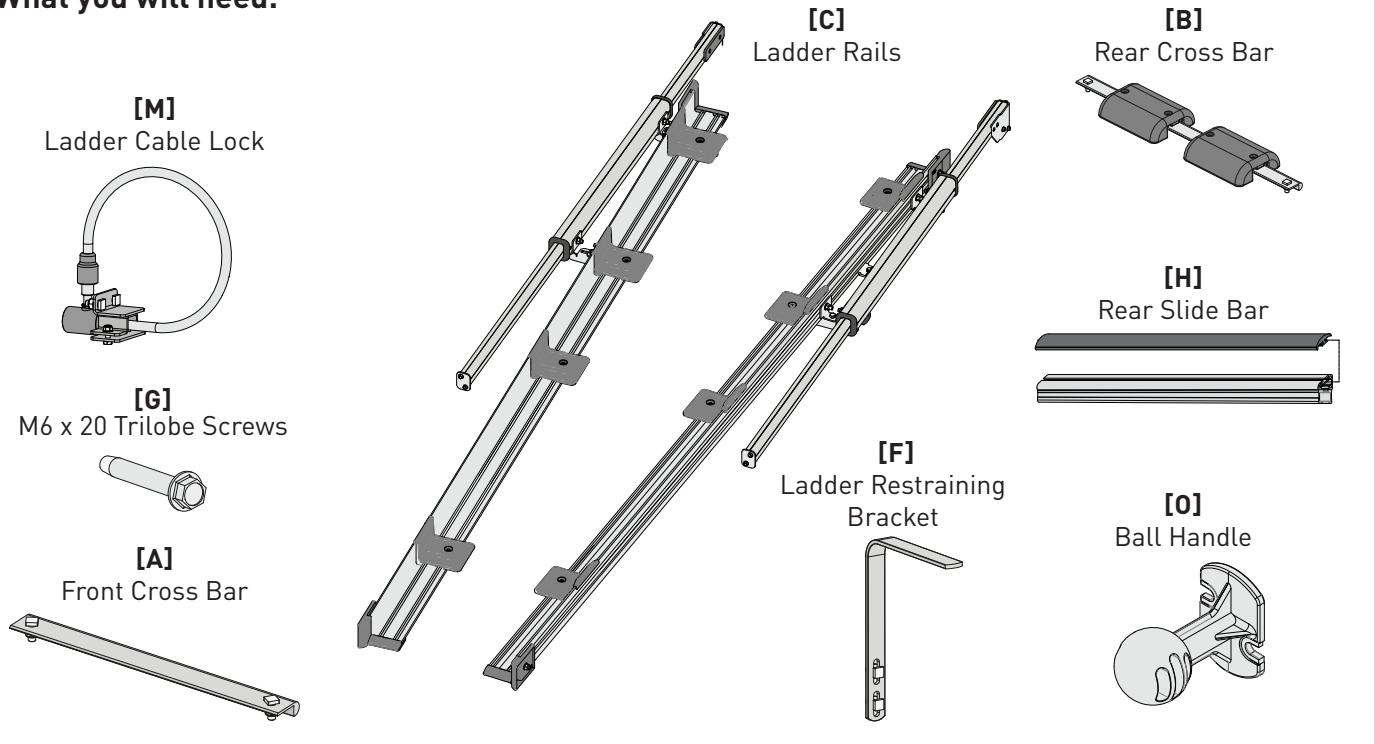


# Instructions

## Table of contents

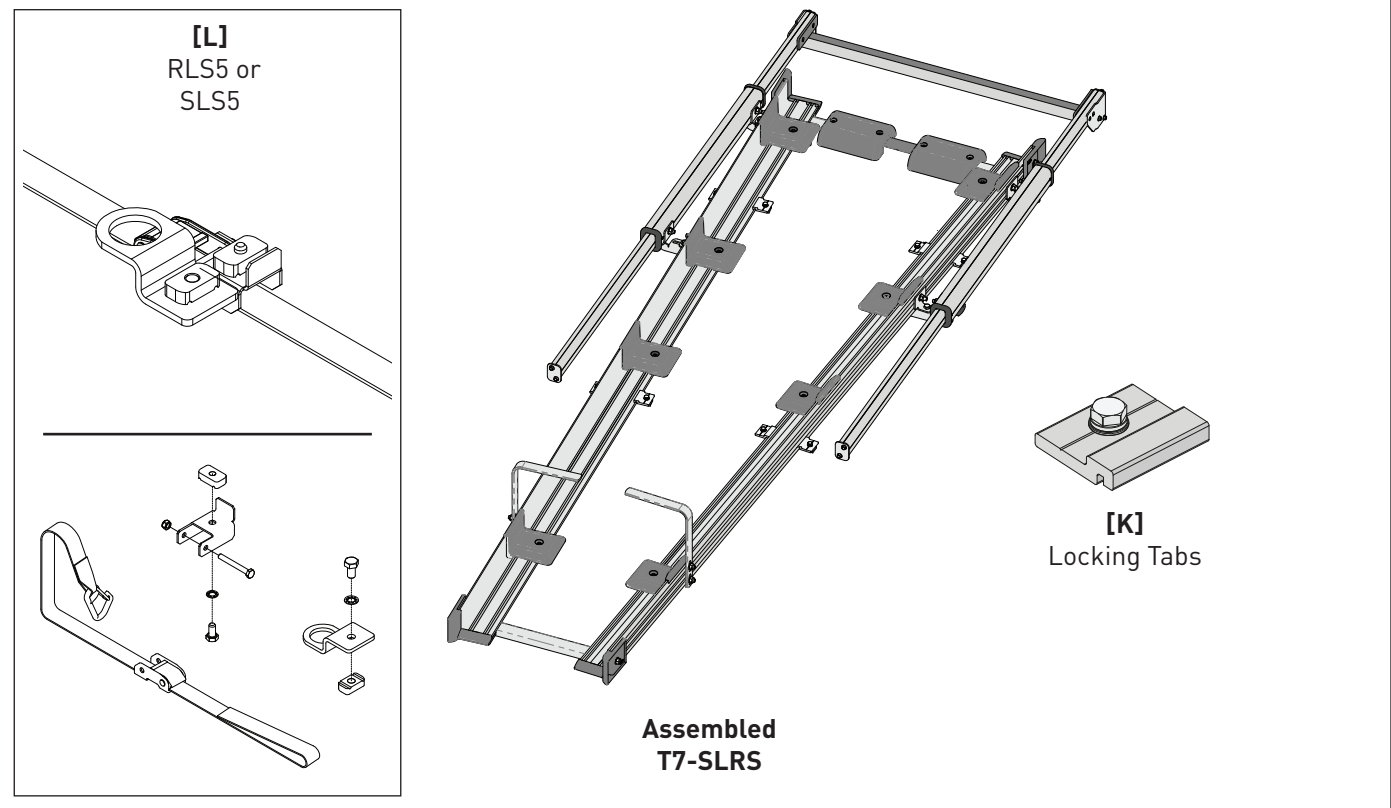
### Sliding Ladder Rack Assembly: Pg 7-9

What you will need:



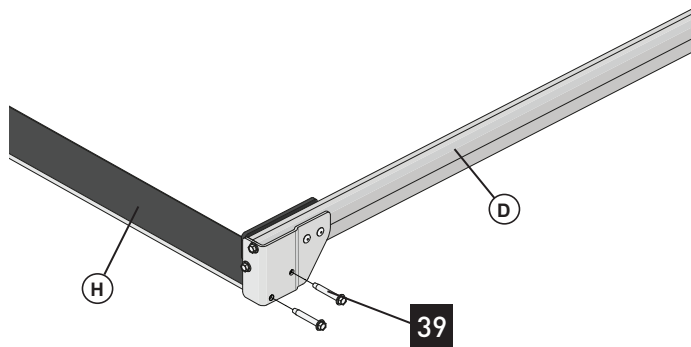
### Sliding Ladder Rack Fitment: Pg 9-11

What you will need:



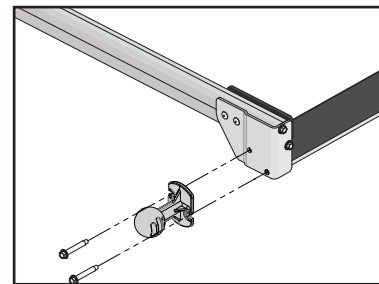
# Instructions

1



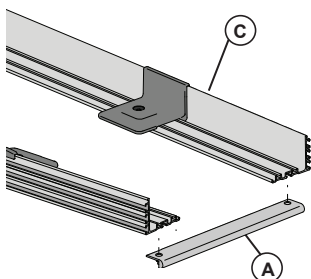
Screw Slide Rail (Right) [D] to Rear Slide Bar [H] using 2x M6 x 20 Trilobal Screws [Item 39]. The Rear Slide Bar Slip Strip [Item 41] must be facing up. Make sure screws are securely fastened to 4-5Nm.

Repeat with Rail Inner (Left). The Ball Handle [N] will be fixed to this side.



Left Side

2

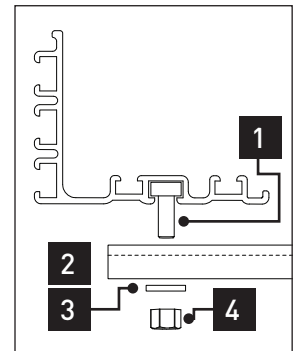


Slide Front Cross Bar [A] into the bottom channel of Ladder Rail [C].

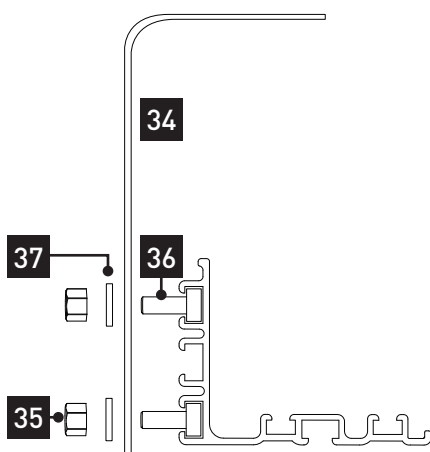
Repeat for other Ladder Rail [C].

Use the hardware already assembled on ladder rails.

*Note: largest gap between pads is the front.*



3

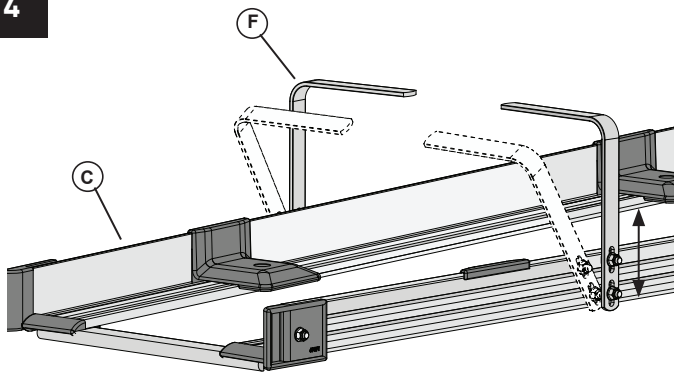


Attach the Ladder Restraining Brackets to the Ladder Rails.

Use the hardware already assembled on ladder rails.

## Instructions

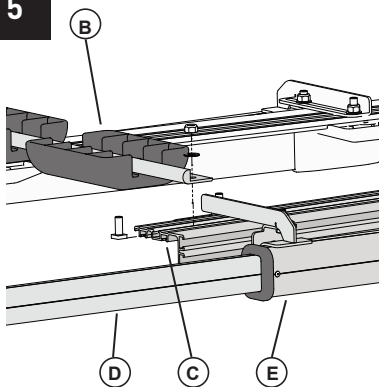
4



Adjust the Ladder Restraining Brackets so they are no larger than 20mm above the ladder. They may need to be angled forward for smaller ladders.

NOTE: Brackets must be no more than 450mm from the Front of the Ladder Rail **[C]**.

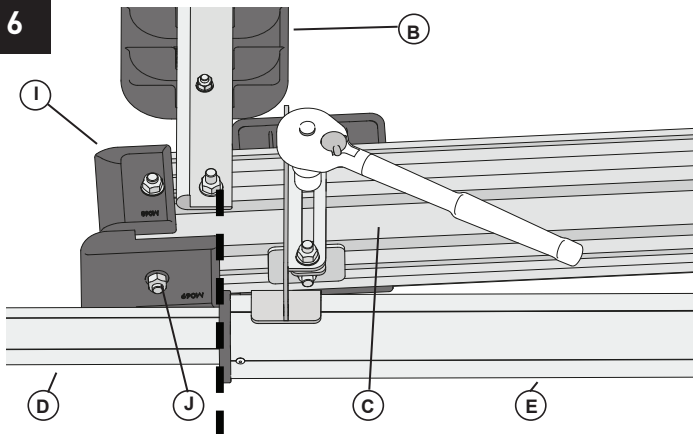
5



Position Rear Cross Bar **[B]** into the bottom channel of Ladder Rails **[C]**.

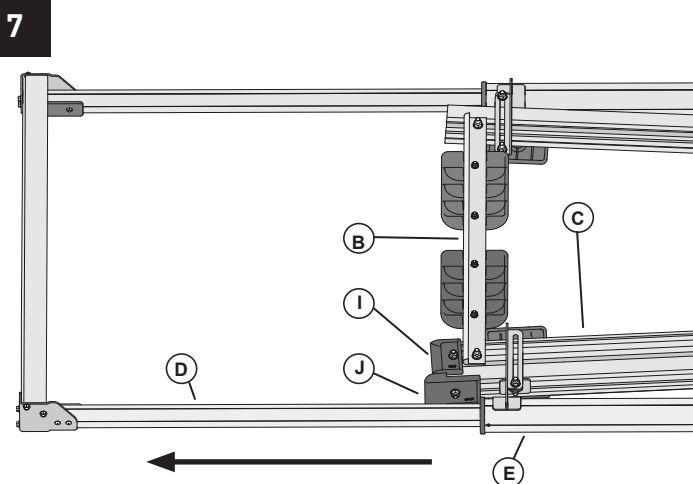
Use the hardware already assembled on ladder rails.

6



Position rear end of each Slide Housing **[E]** in line with Ladder Rail End Cap - Side **[J]** and securely tighten rear bolts with 13mm socket and/or 13mm spanner.

7

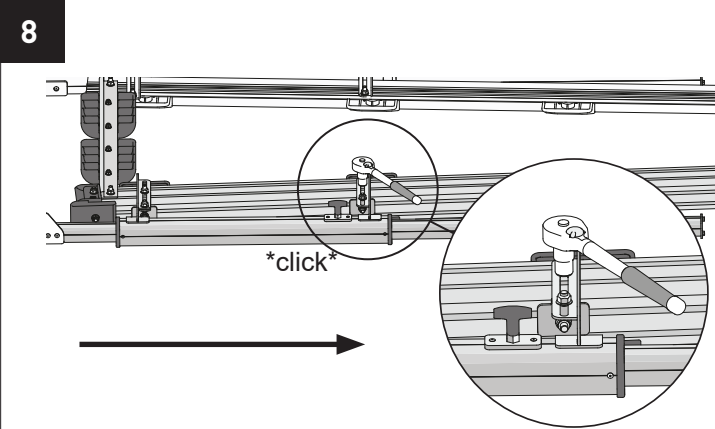


Slide Sliding Ladder Rack Sub Assembly out until it locks and make sure sliding is smooth. If not, loosen and retighten until slide smoothly reaches extended position.



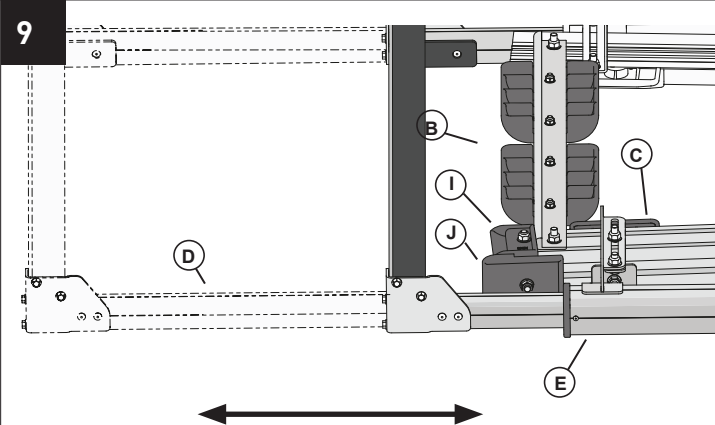
# Instructions

**8**



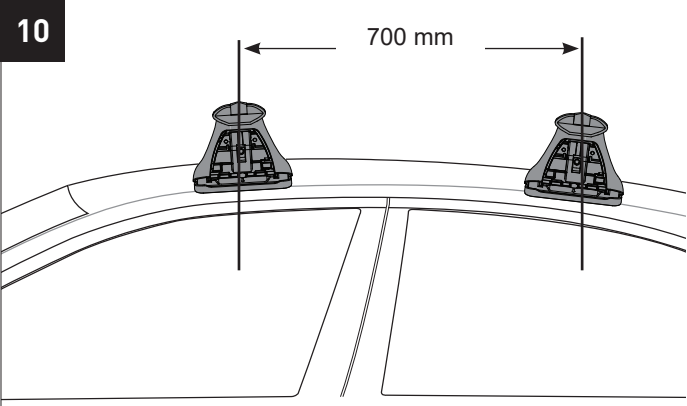
Slide Sliding Ladder Rack Sub Assembly in until it locks and tighten front bolts. Make sure sliding is smooth. If not, loosen and retighten until slide smoothly reaches closed position.

**9**



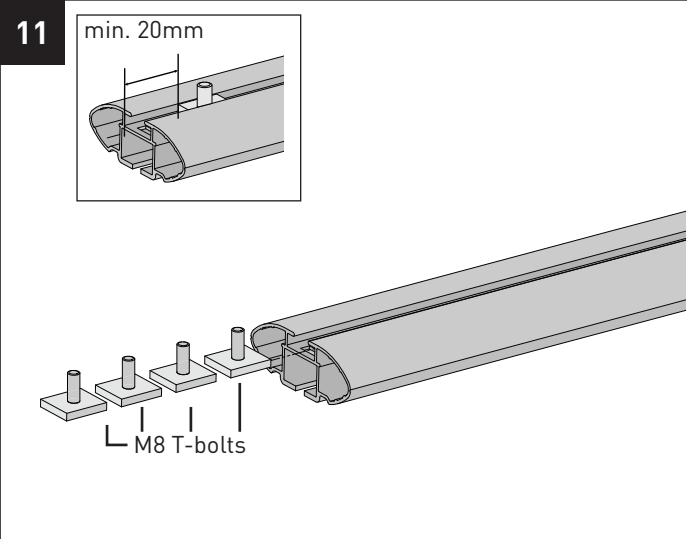
Run Sliding Ladder Rack Sub Assembly in and out a few times to make sure positioning is correct. If not, repeat steps 6 to 8 until optimal positioning is achieved.

**10**



**Before You Install:**  
Roof Rack Leg spacing must be a minimum of 700mm.

**11**



Remove both front and rear rubber strips from Roof Racks.

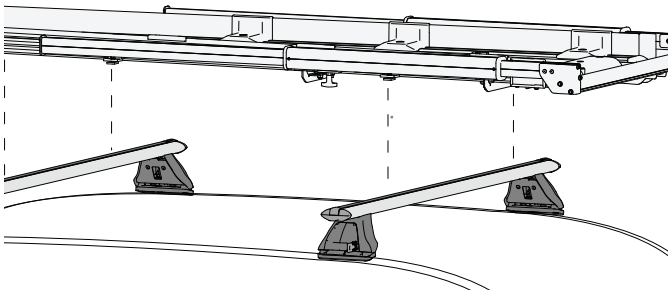
Take 4x M8 T bolt from SUB0755 **[K]** and slide into roof rack channel of the crossbar.

Front crossbar - x4 M8 T-bolt  
Rear Crossbar - x4 M8 T-bolt

NOTE: Minimum distance of T-bolt **[K]** from edge is 20mm.

## Instructions

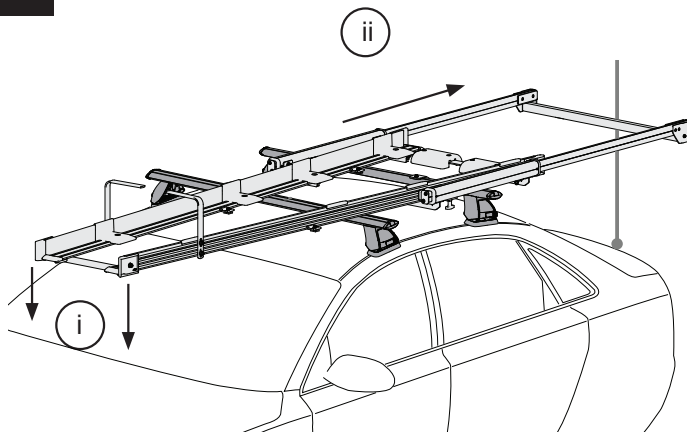
12



HEAVY: 2 people are required to lift assembly.

Place the Assembled T7-SLRS Sliding Ladder Rack System on top of the installed vehicle roof racks. Extended Sliding Rails should be at the rear of the vehicle.

13



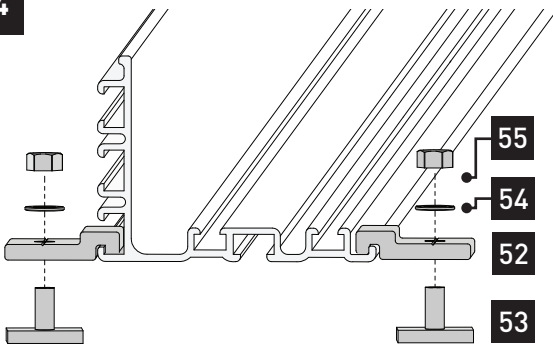
Two People Required.

*Person 1(i):* Hold front of Sliding Ladder Rack System to prevent movement.

*Person 2(ii):* Extend Slide Rails **[D]** to locked position and check the Rear Slide Bar **[H]** is clear of the vehicle tailgate. Return Slide Rails **[D]** to closed locked position.

**For fitment matrix, turn to page 13.**

14

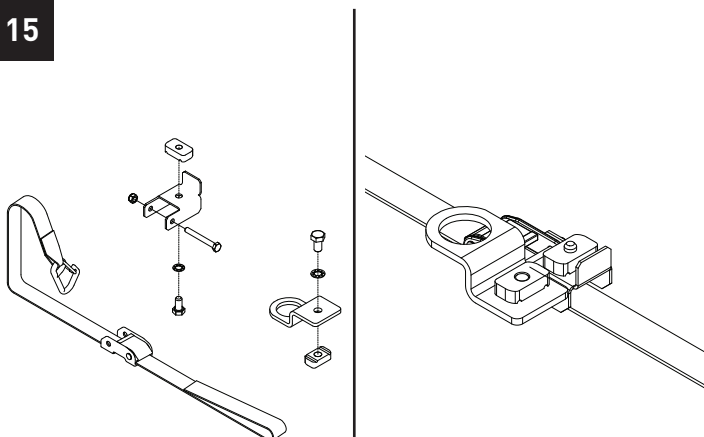


Leaving the Sliding Ladder Rack System in place, take 2x Locking Tab **[K]** and secure on either side of Ladder Rail **[C]**. Securely tighten with a 10mm Socket.

Repeat for each side and each bar.

Qty: 8x Locking Tab **[K]** should be used.

15



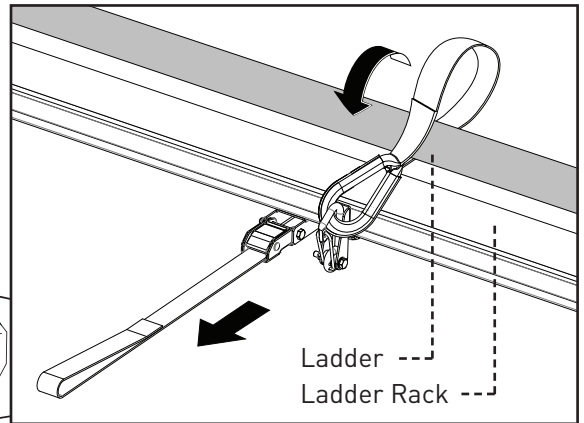
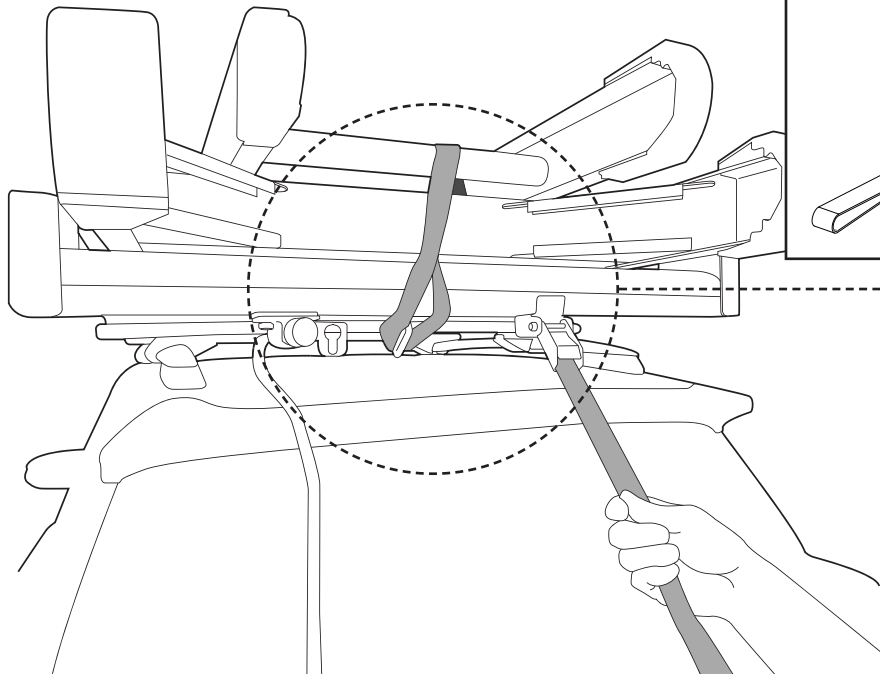
Install the Restraining Strap **RLS5** or **SLS5** kit (depending on the kit selected) into the rear roof rack channel as shown.

Camlock Strap should wrap around ladder rung below to ensure ladder is securely positioned.

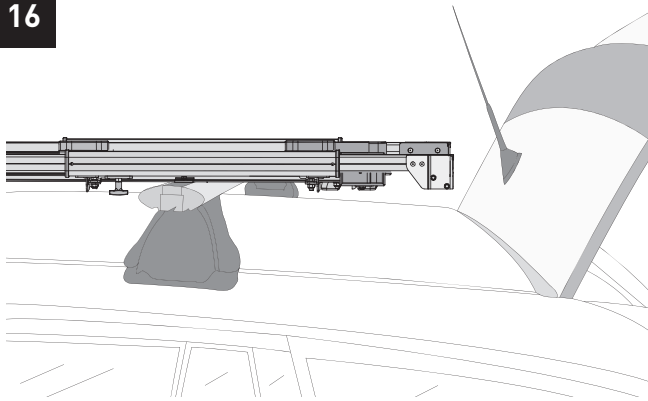
**Refer to separate corresponding instruction.**

## Instructions

\*RLS5 can also be strapped around the channel found underneath the very rear of the slide ladder rack.  
Ladder Strap.



16

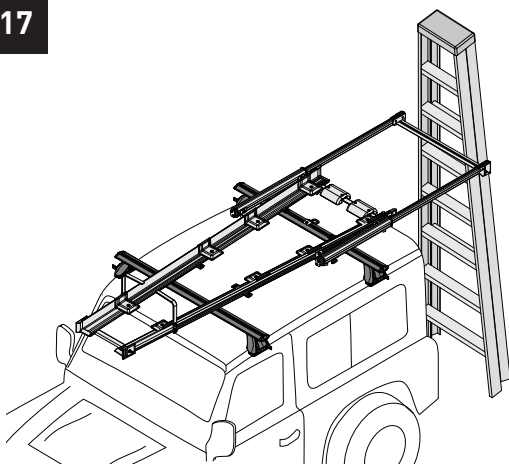


Open the boot and ensure the Ladder Rack Assembly is not in the way.

The Sliding Ladder Rack Sub Assembly can now be extended by pulling on the Locking Pin.

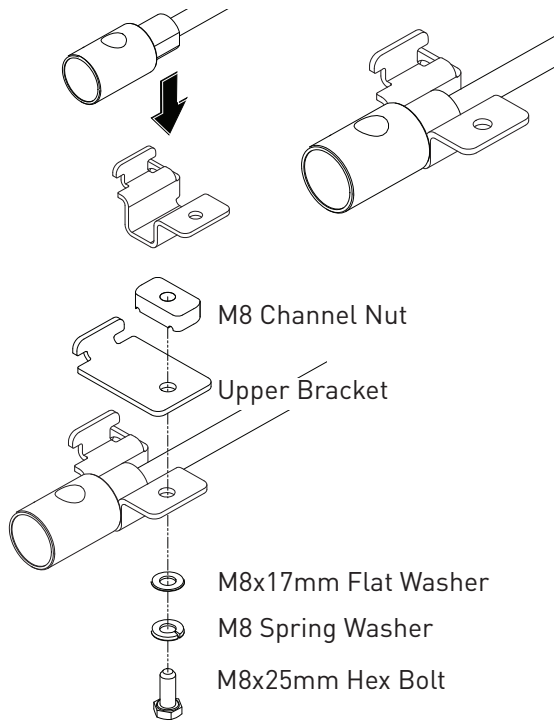
Finally, ensure all the hardware is securely fastened to 4-5Nm.

17



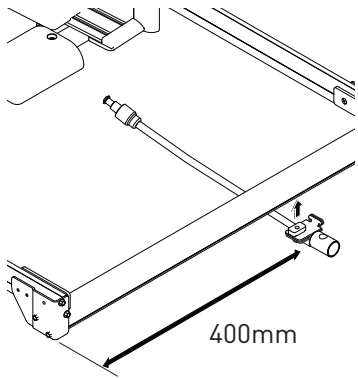
When leaning against fully extended bars, Ladder should not come in contact with the tailgate when standing upright.

18

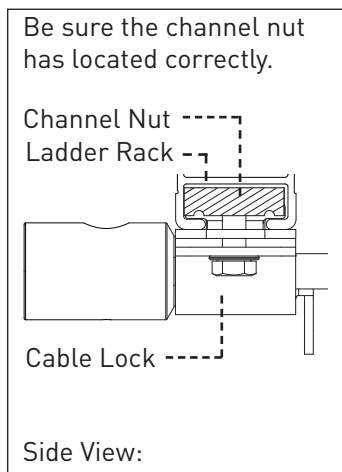


Unlock the cable lock, align the flats on the cable lock with the flats on the lower bracket and insert the cable lock into the lower bracket. Ensure the cable lock housing is fully located into the bracket.

Assemble the M8 nut, screw, washer and upper bracket. Place the upper and lower brackets together, screw on the channel nut, one turn, and align the channel nut.



Place the Cable lock into the channel.

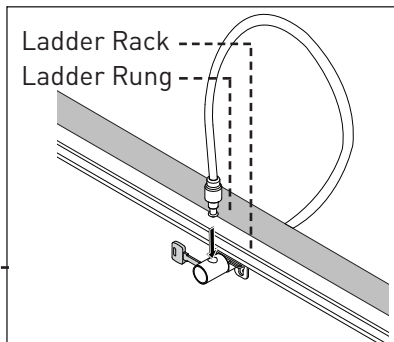
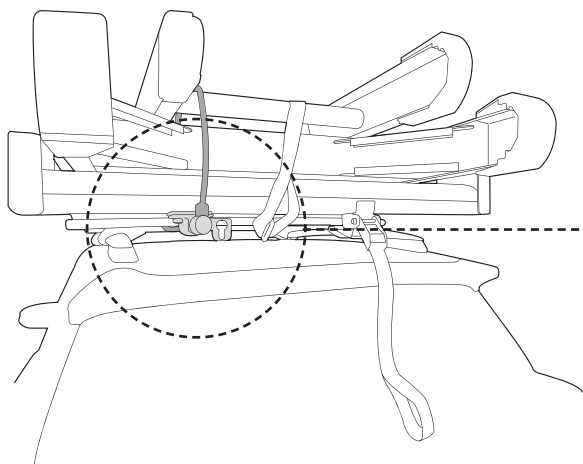


- 1: Place the Cable lock into the channel found underneath the very rear of the Slide Ladder Rack. Locate the channel nut here fixing the Lock in the Ladder Rack.
- 2: Slide the lock 400mm from the left of the ladder rack.
- 3: Tighten to 5-6Nm to secure.

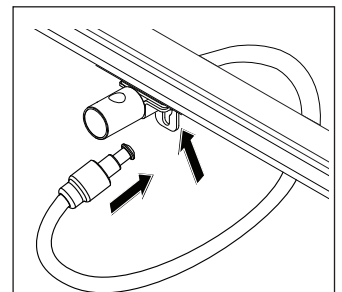
**For fitment matrix, turn to page 14.**

**Cable lock usage**

With the key in, wrap the cable around the ladder and clip into the housing. Be sure cable is secure and remove key.

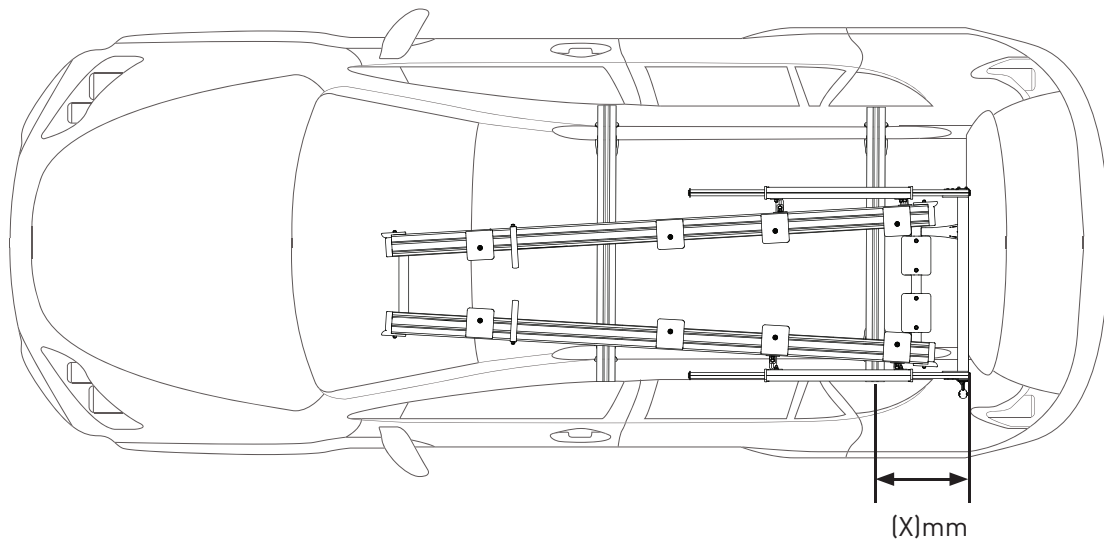
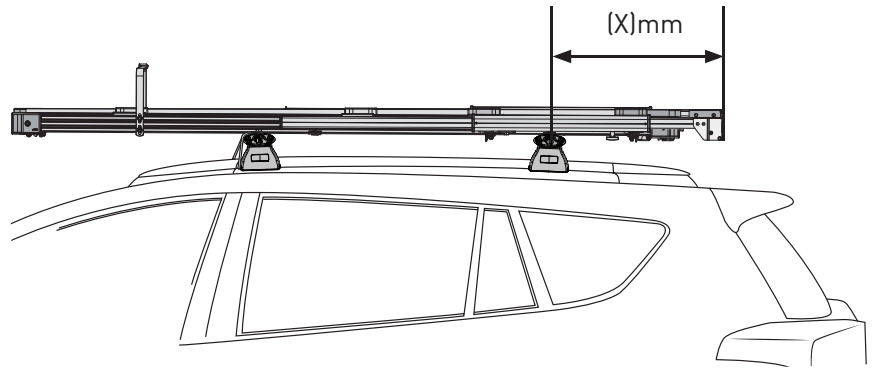
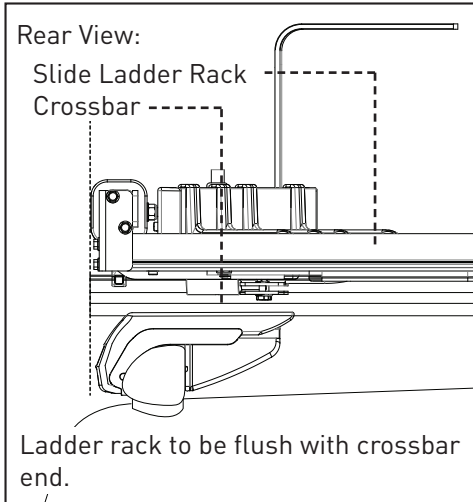


1. Loop cable around item to be secured.
2. Insert cable, push to click in place.



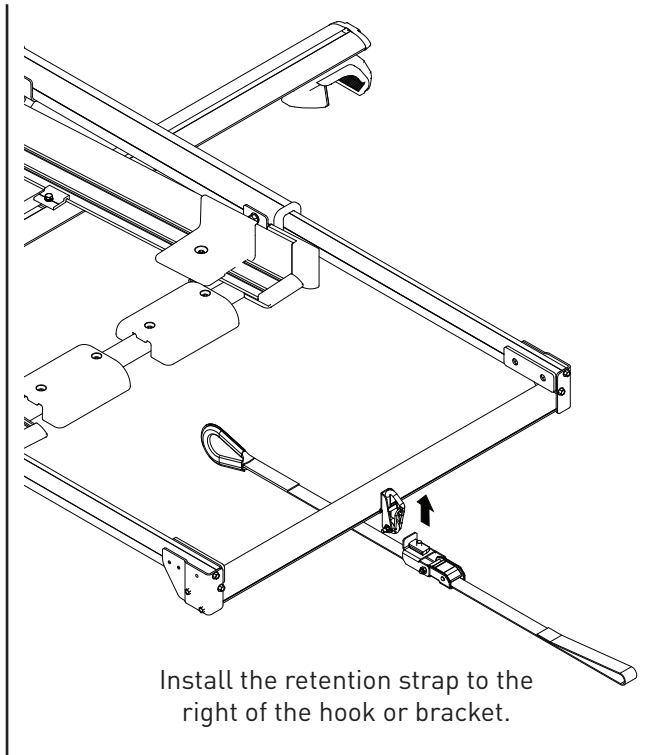
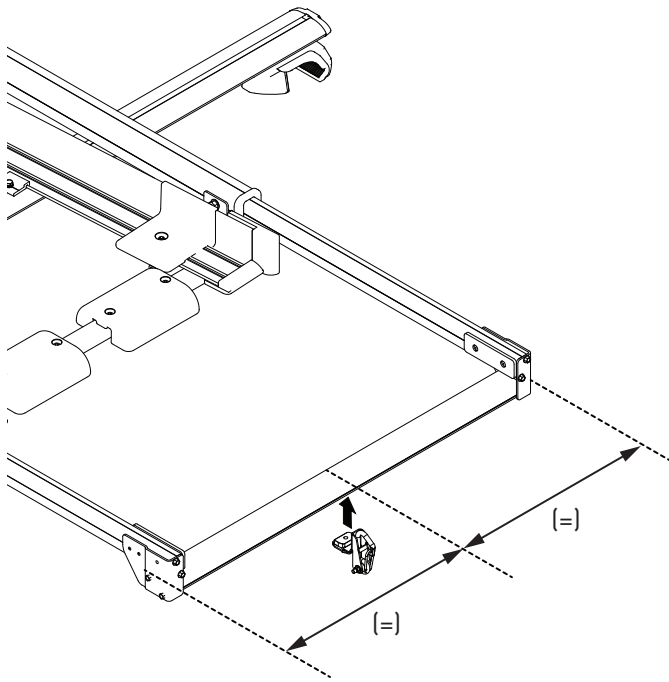
While unloading locked items, temporarily mount end of security cable into the lower mounting bracket.

**Fitment Matrix: Kia Sportage/ Toyota RAV4**



Vehicle	"X" (middle of crossbar to rear of ladder rack)
Kia Sportage	370mm
Toyota RAV4	370mm

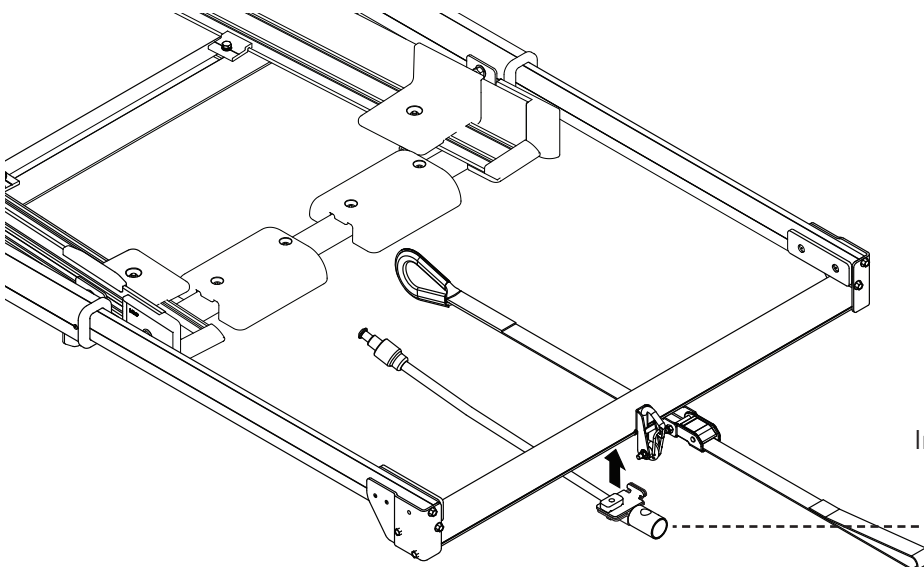
**Fitment Matrix: Kia Sportage/ Toyota RAV4**



Install the retention strap to the right of the hook or bracket.

Vehicle	Installation of RLS5/ SLS5 hook or bracket position
Kia Sportage	Hook or bracket, centred on rear of ladder slide
Toyota RAV4	Hook or bracket, centred on rear of ladder slide

**Fitment Matrix: Kia Sportage/ Toyota RAV4**



Install the cable lock to the left of RSL5/SLS5.