



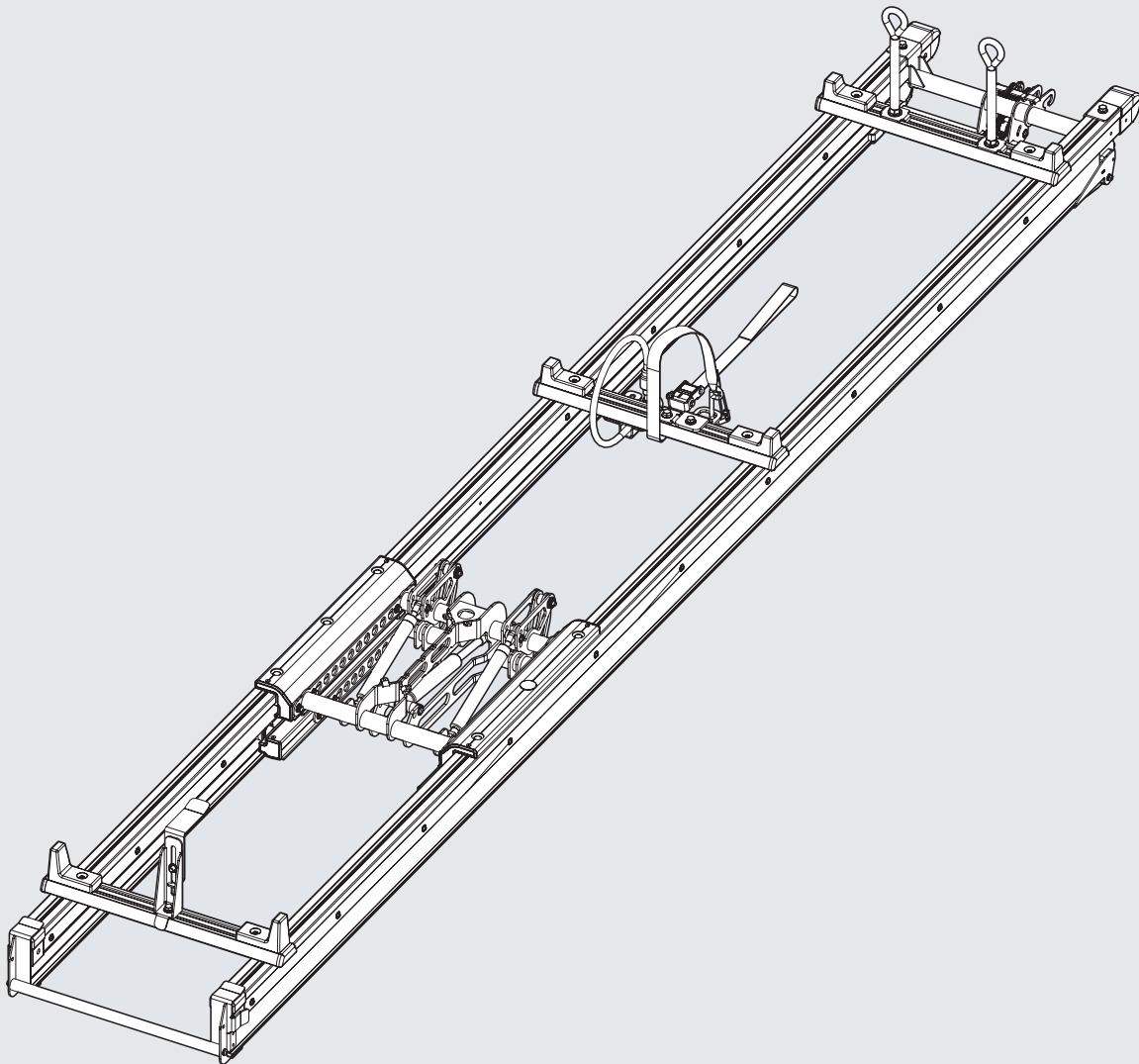
RHINO-RACK®

Over Height System Ladder Loader Instructions OHS001/OHS002

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



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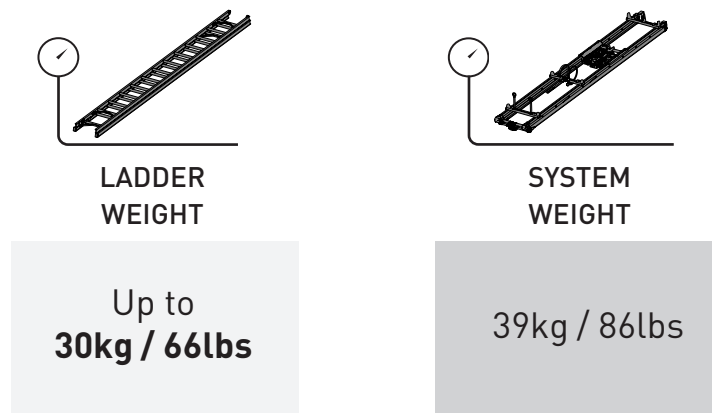
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Doc. No: R228
Issue No: 03
Issue Date: 01/09/2021

Carrying Capacity

Check the website and the vehicle owners hand book for your vehicle manufacturer's maximum carrying capacity.
Load must be evenly distributed over the system.



Warning

- 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.
- Off-road conditions can be much more rigorous. Extreme care must be taken on any driven path that does not contain a surface protection layer (tar/bitumen).
- Roof racks must be removed when vehicle is put through an automatic car wash.
- With utility/pick up vehicles, the cabin and the truck bed move independently. Roof racks and vehicle can be damaged if the item transported is rigidly fixed at points on both the cabin and utility tray/truck bed. Instead, rigidly fix to either the roof racks or the canopy roof racks.
- Always ensure you fasten your load securely and the front of the ladder is positioned correctly by the front retainer
- Use only non-stretch fastening ropes or straps to attach cargo to your load.
- Units of this size can be sensitive to cross winds and behaviour in curves and braking. The handling characteristics of the vehicle changes when you transport a load on the roof. For safety reasons, we recommend you exercise extreme care.
- Special consideration must be taken into account when braking.
- Measure the overall height of the OHS with all ladders fitted and record the maximum height for future reference.

Overall Height =

In service maintenance checks

- 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.
- Off-road conditions are more rigorous. Check all bolted connections and your load more regularly.
- Ensure that your vehicle manufacturer's GVM, and gross axle weights are not exceeded (refer to vehicle owner's manual).

Torque Settings

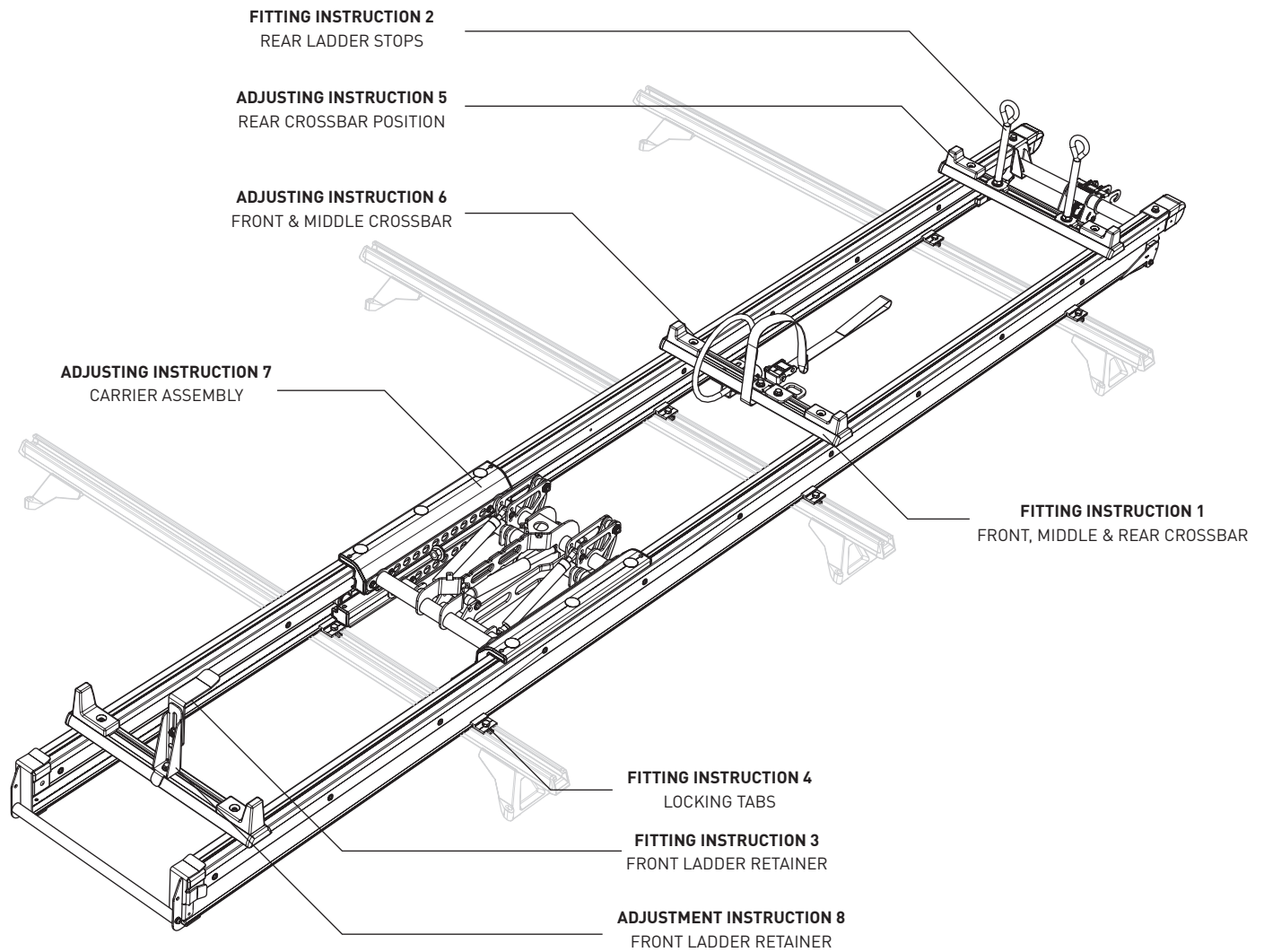
Unless stated otherwise in these instructions, all fasteners should be set to the following torque settings:

M6: 4-5Nm (3-4lbs/ft),
M8: 8-10Nm (6-7.5lbs/ft)
M10: 16-18Nm (12-13lbs/ft).

Note for Dealers and Fitters

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.

OHS Instructions



NOTE

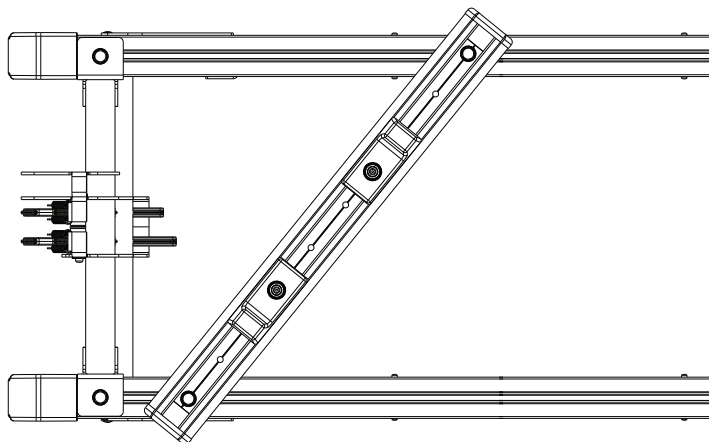
The OHS is factory set to suit a 6 metre x 450mm extension ladder.
Visit the Rhino Rack website for the operational video.

Tools required.

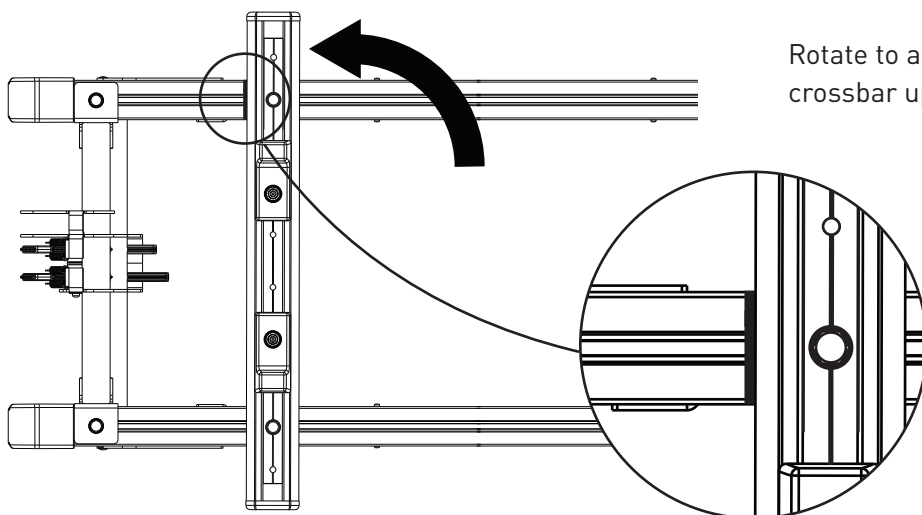
- T1 - Tape measure.
- T2 - 19mm spanner.
- T3 - 13mm Socket spanner.
- T4 - Wrench.
- T5 - Security Allen key (provided).

FITTING INSTRUCTION 1: FRONT, MIDDLE & REAR CROSSBARS.

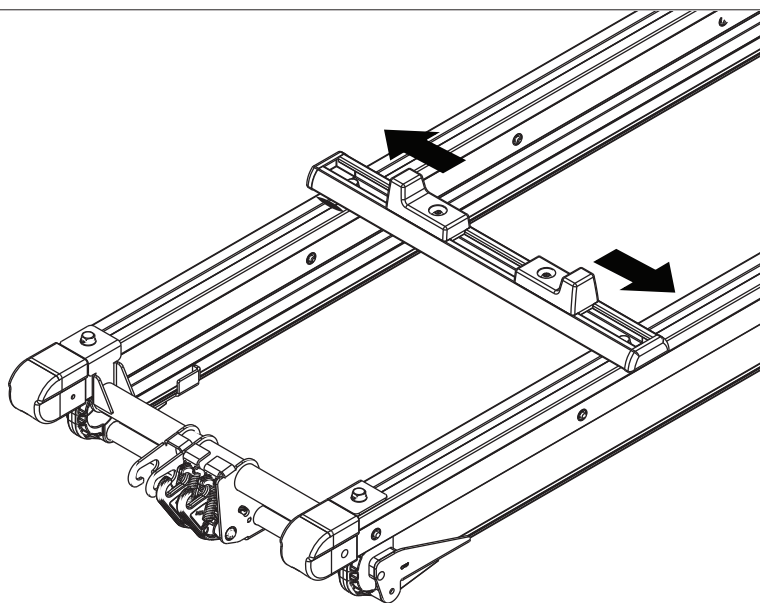
The Ladder Rack System will come out of the box with all crossbars on a tilt.



1. Remove the hex bolts holding the crossbars in place
2. Replace the hardware and tighten in place using the holes second from the ends of the crossbar.



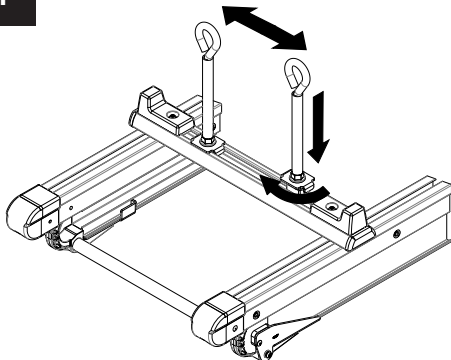
Rotate to a 90 degree angle, then move the crossbar up to the line on the ladder rack.



Using the allen key provided, slide the ladder pads to the ends of the crossbars and tighten in place.

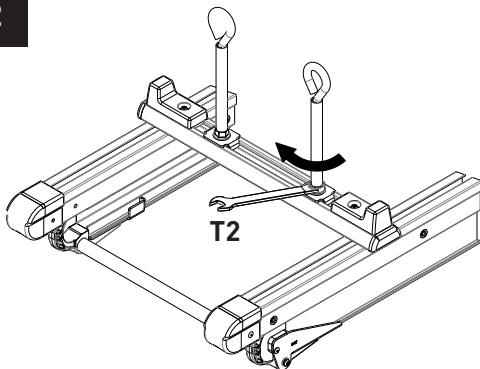
FITTING INSTRUCTION 2: REAR LADDER STOPS.

1

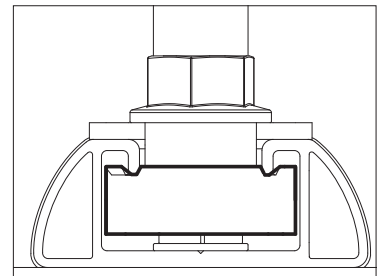


1. Insert the ladder stops into the crossbar.
2. Turn the channel to lock across the crossbar.
3. Align the ladder stop loops in line with the crossbar.
4. Space the stops to suit your ladder.

2



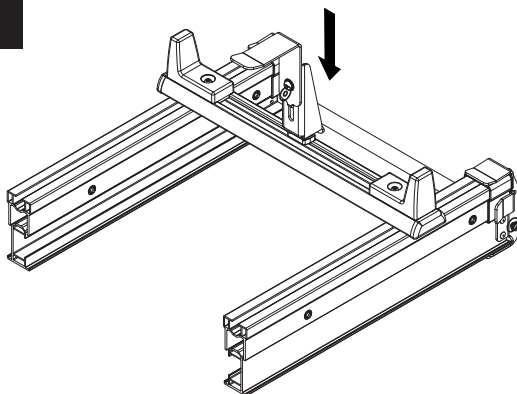
Check the alignment of the ladder stop loops then tighten



Ensure the channel nut is located across the crossbar.

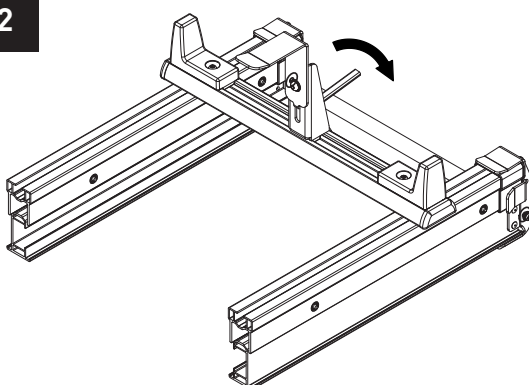
FITTING INSTRUCTION 3: FRONT LADDER RETAINER .

1

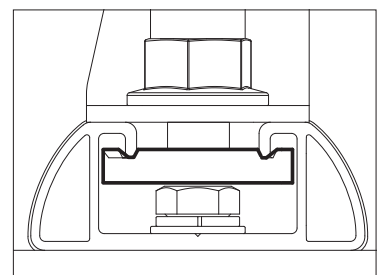


1. Insert the front ladder retainer into the crossbar.
2. Place the front ladder retainer in the center of the crossbar.
3. Turn the channel to lock across the crossbar.

2



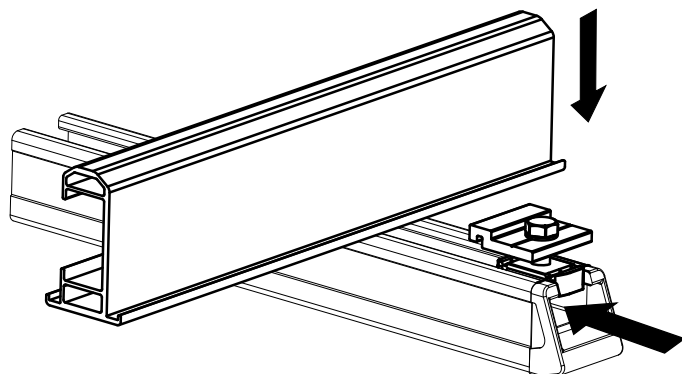
Tighten in place



Ensure the channel nut is located across the crossbar.

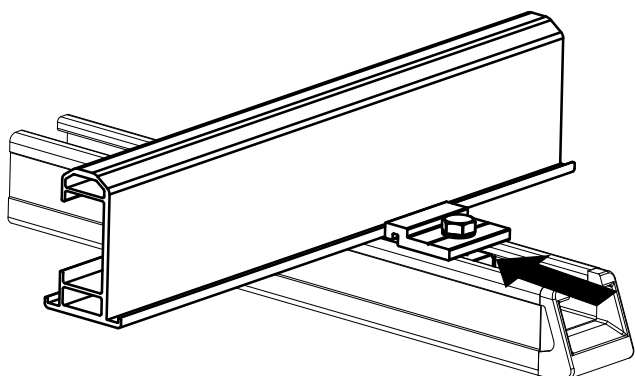
FITTING INSTRUCTION 4: LOCKING TABS.

1

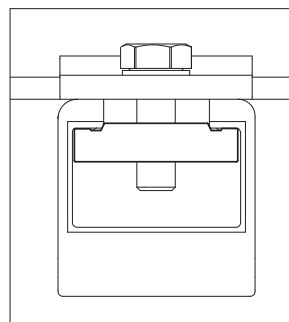


1. Place the OHS assembly onto the crossbars.
2. Insert the locking tab into the crossbar.

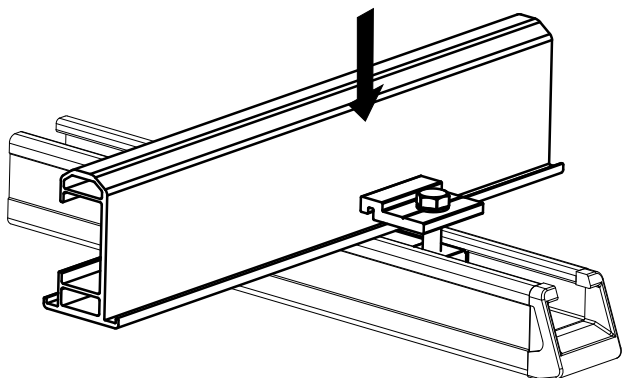
2



1. Slide the locking tab towards the OHS side rail.
2. Turn the Hex screw so that the channel nut is positioned across the crossbar.



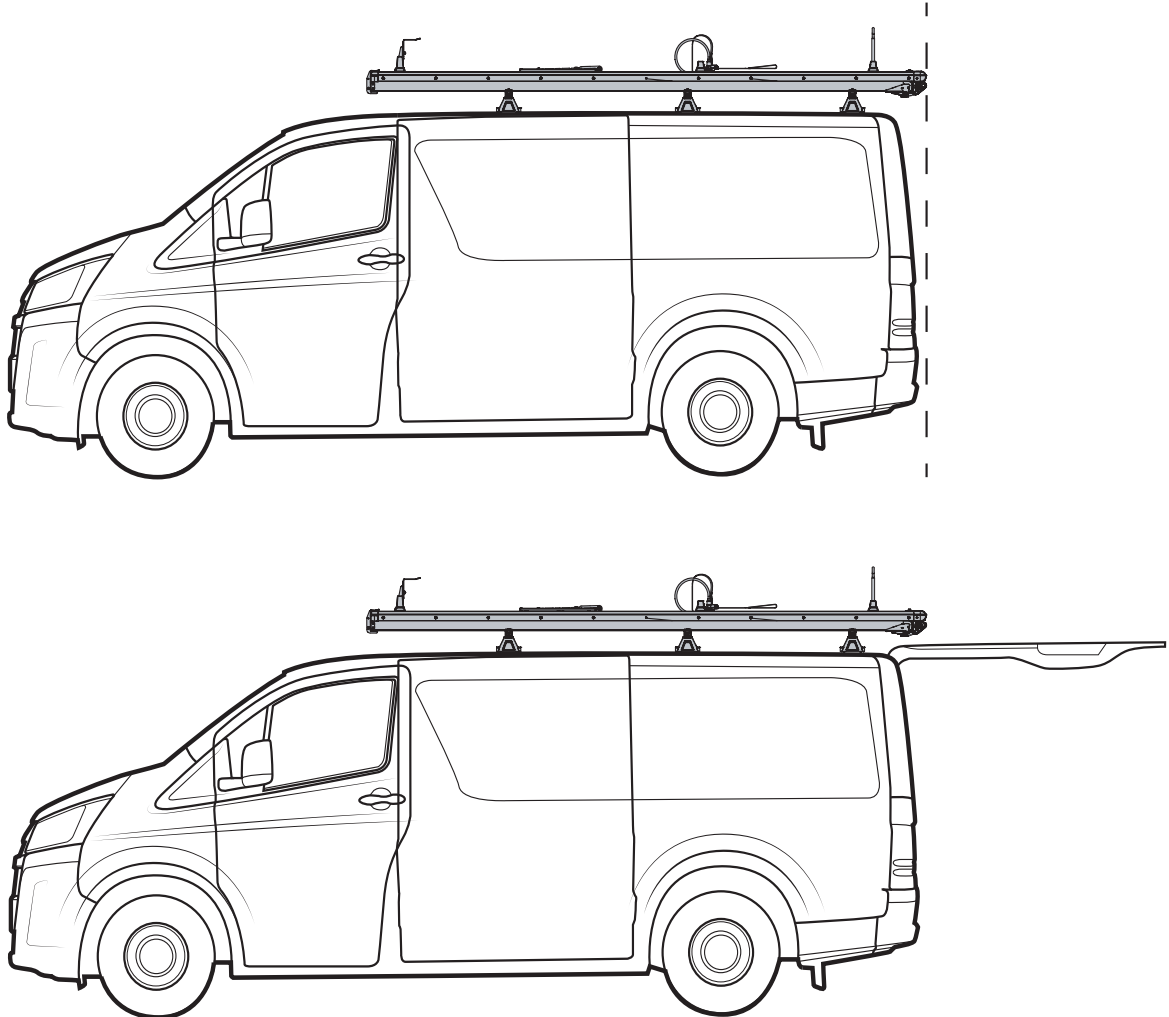
3



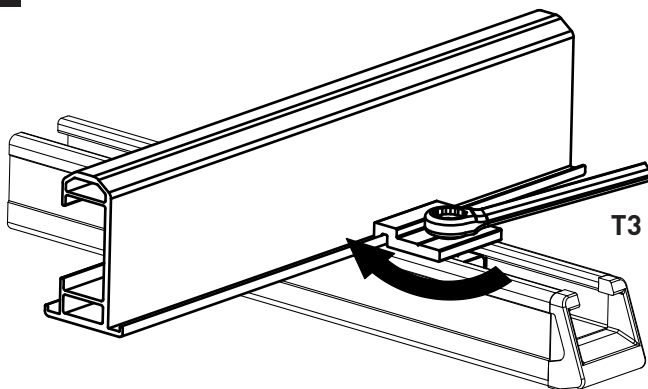
1. Lift the locking tab and hook over the OHS side rail lip.
2. Finger tighten the Hex bolt.
3. Recheck the OHS position and adjust if required.

- 4** Open the rear boot and ensure the OHS system clears the rear of the vehicle. Adjust to clear, if required.

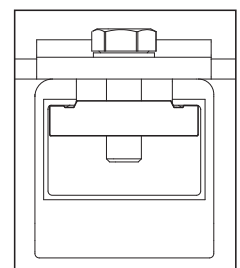
NOTE: Crossbars may need to be raised. Packer kit **OHSPK5** can be used to raise crossbars by 25mm.



5



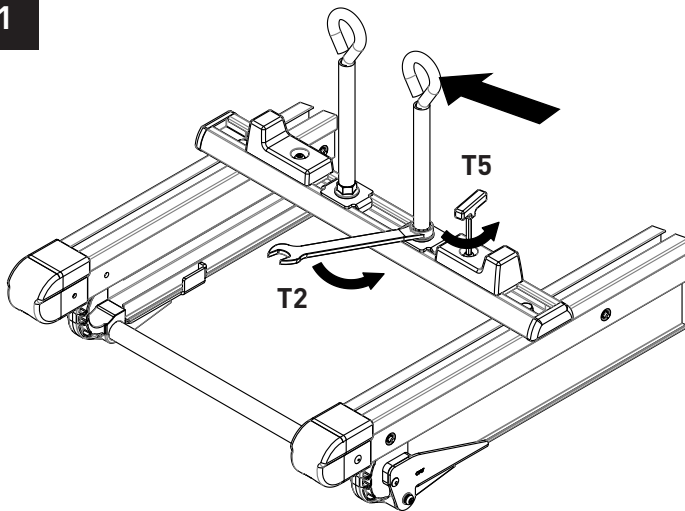
Tighten the Hex bolts all round in 12 places.



Ensure the channel nut is still locked across the crossbar.

ADJUSTMENT INSTRUCTION 5: REAR CROSSBAR POSITION.

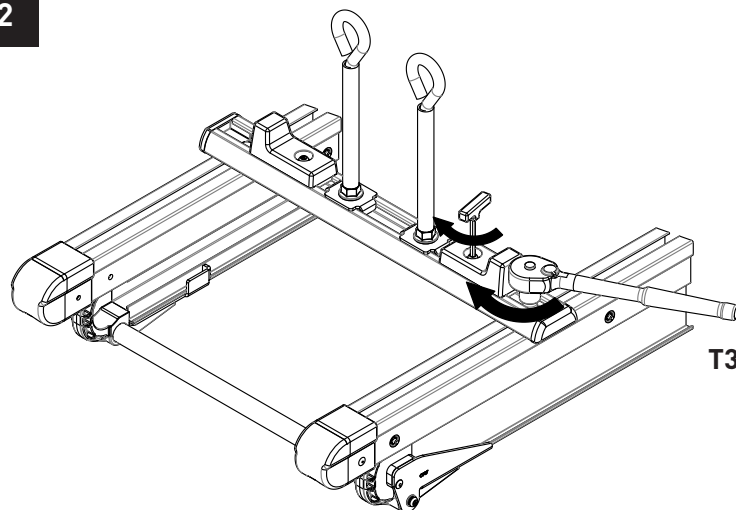
1



1. Loosen the two ladder stops and move inwards
2. Using the Security Allen key provided loosen the two ladder pads and move inwards. This will now expose the clamp bolts.

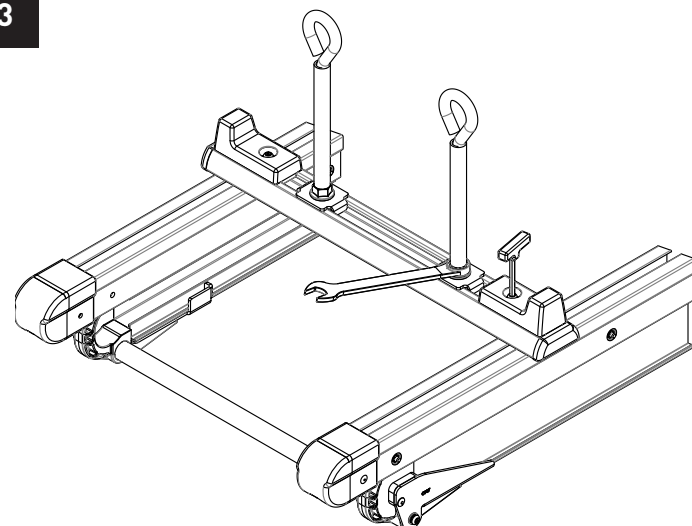
DO NOT REMOVE THE STOPS OR PADS.

2

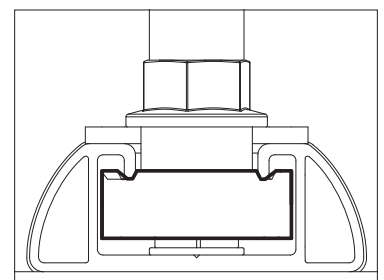


1. Loosen both the crossbar clamp bolts and slide the crossbar to the required position.
DO NOT REMOVE THE CLAMP BOLTS.
2. Tighten the clamp bolts and check that the crossbar is square across the platform rails.

3



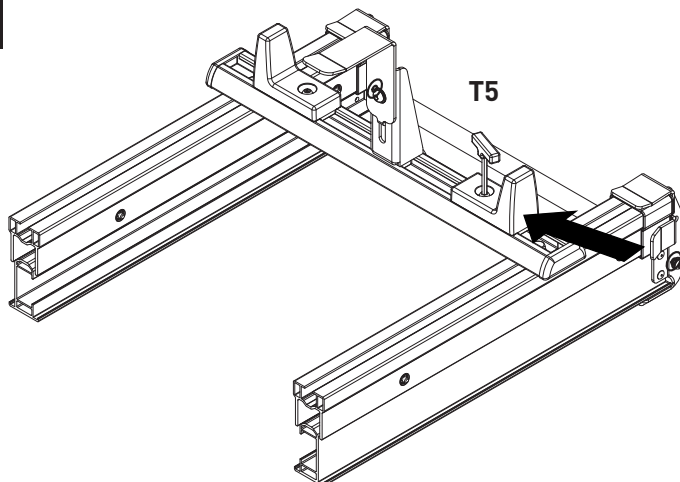
1. Move the ladder stops and ladder pads to there original positions and re-tighten.



Ensure the channel nut is located across the crossbar.

ADJUSTMENT INSTRUCTION 6: FRONT & MIDDLE CROSSBAR.

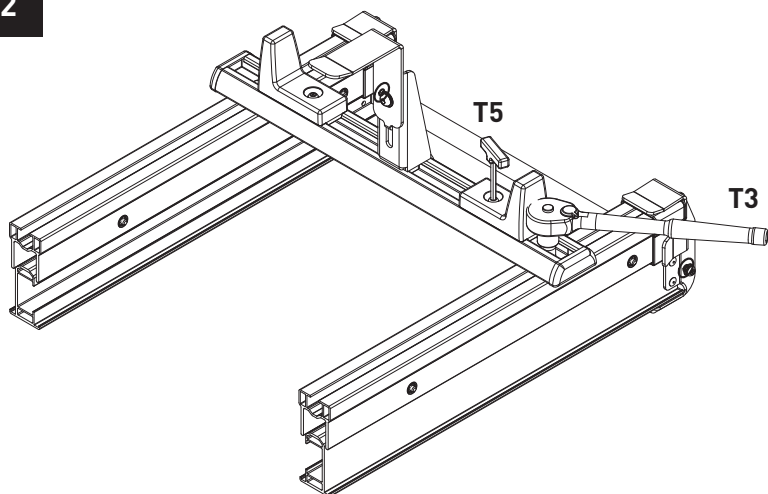
1



1. Loosen the two ladder pads and move inwards.
This will now expose the clamp bolts.

DO NOT REMOVE THE STOPS OR PADS.

2

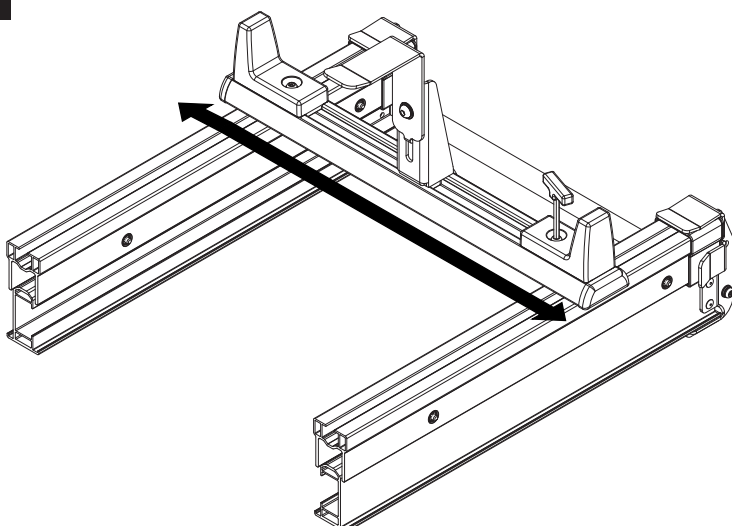


1. Loosen both the crossbar clamp bolts and slide the crossbar to the required position.

DO NOT REMOVE THE CLAMP BOLTS.

2. Tighten the clamp bolts and check that the crossbar is square across the platform rails.

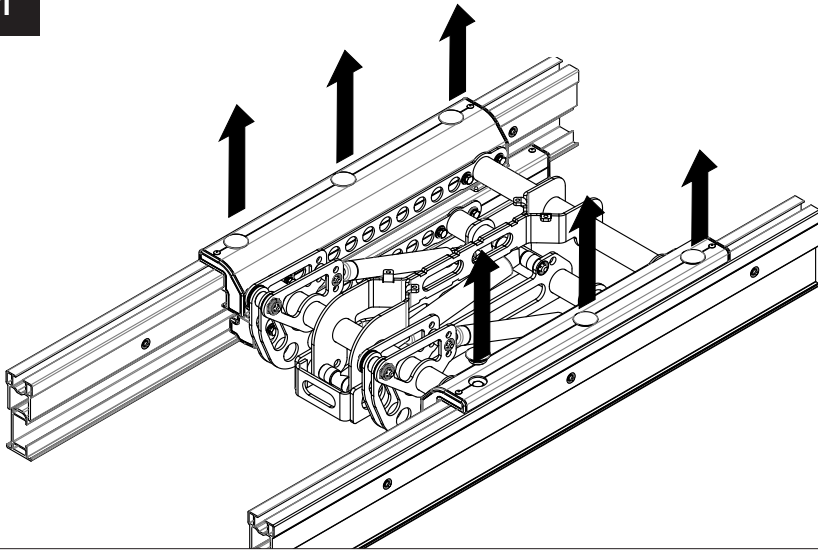
3



Move the ladder pads to their original positions and retighten.

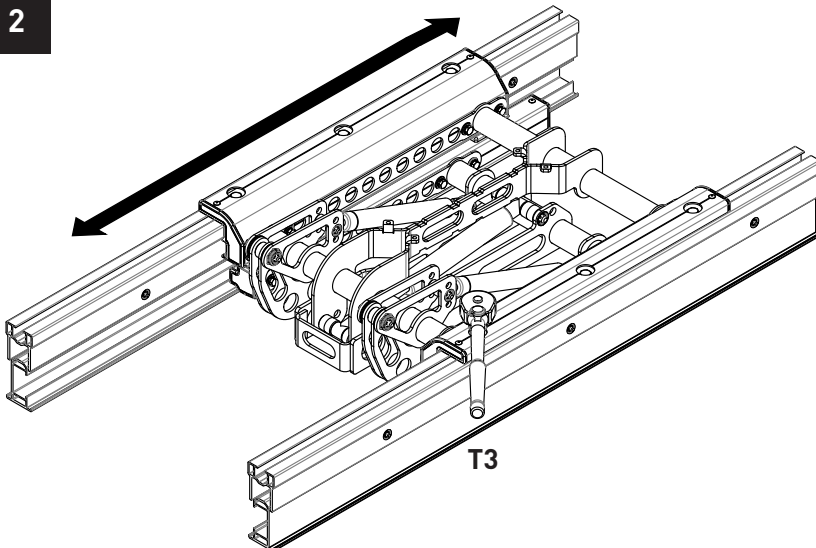
ADJUSTMENT INSTRUCTION 7: CARRIAGE ASSEMBLY.

1



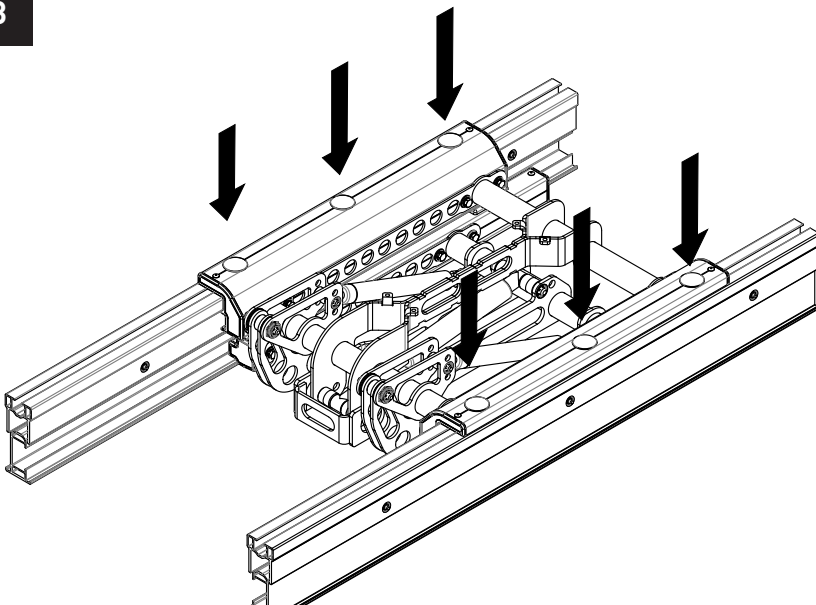
Remove the six black plugs from the carriage exposing the platform clamps bolts.

2



1. Loosen the six bolts
DO NOT COMPLETELY UNDO THE BOLT FROM THE CLAMP NUT.
2. Slide the carriage into the desired position.
3. Retighten the clamp bolts.

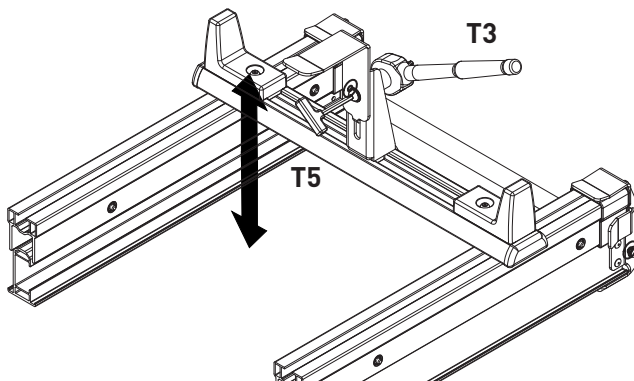
3



Replace the six plugs.

ADJUSTMENT INSTRUCTION 8: FRONT LADDER RETAINER.

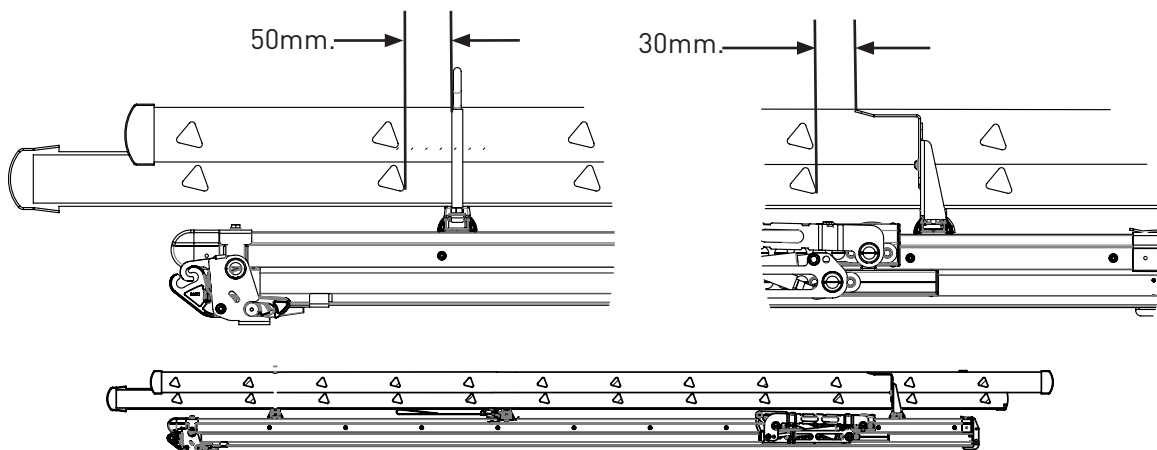
1



1. Loosen the hex nut and socket screw using a 13 socket and Allen key provided.
2. Slide the retainer up or down to suit the ladder rung and leave a 25mm gap between the retainer and the top of the rung.

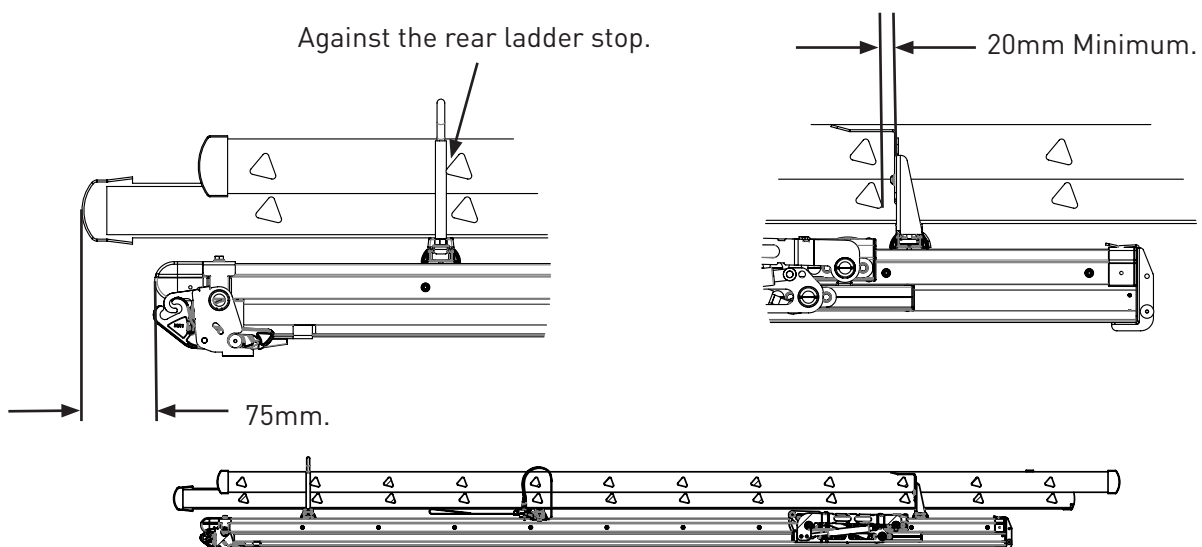
2

Crossbars are factory set to suit a standard 6m extension ladder.
If the ladder requires refitting do this before fitting the OHS to the vehicle.
Approximate ladder to crossbar setting below.
Final adjustments can be made once the OHS is on the vehicle.



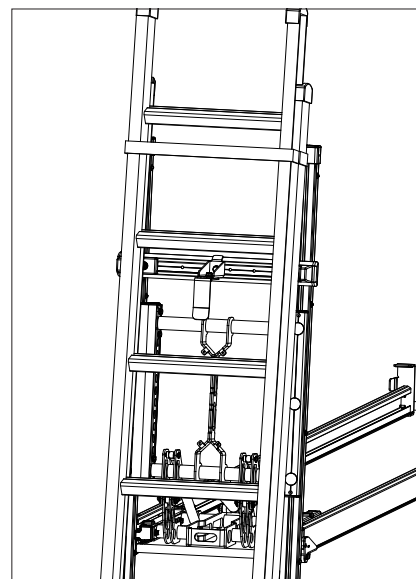
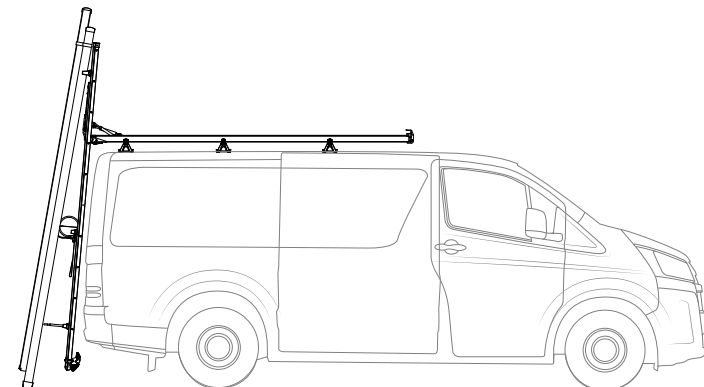
3

When the ladder is in the loaded position with the lower ladder rungs against the rear ladder stop, the upper rungs should be under the front ladder retainer.

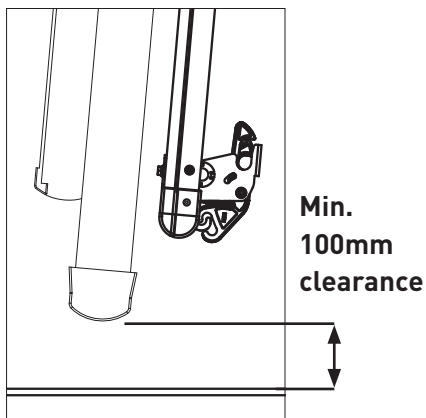
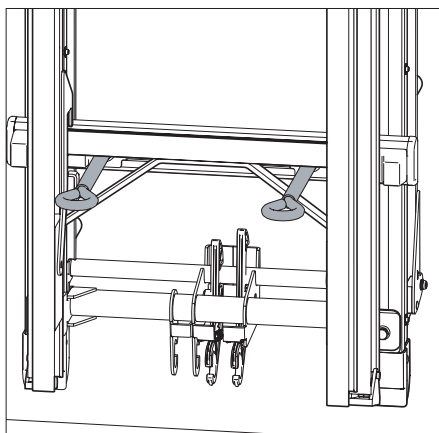


FITTING INSTRUCTION 9: LADDER LOADING ONTO THE OHS.

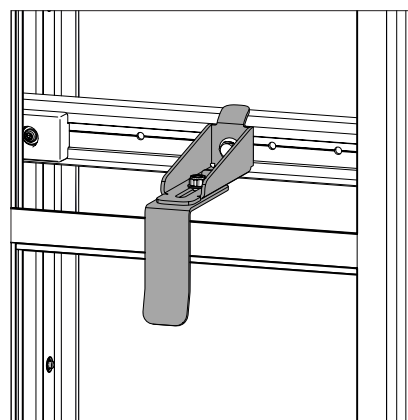
- 1** Pivot the ladder towards the assembly until the ladder contacts the top pads. Ensure the upper ladder rung clears the front ladder retainer.



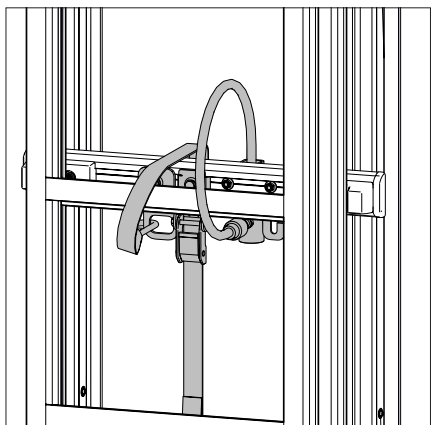
- 2** 1. Lift the bottom ladder rung and place onto the rear ladder stop.
2. Adjust the carriage assembly if the ladder foot is less than 100mm to the floor



- 3** The upper ladder rung should be under the front ladder retainer for security.



- 4** Secure the ladder lock and camlock strap.



5

