



# RHINO-RACK®

**NAUTIC SERIES**

## KAYAK CARRIER FITTING KIT

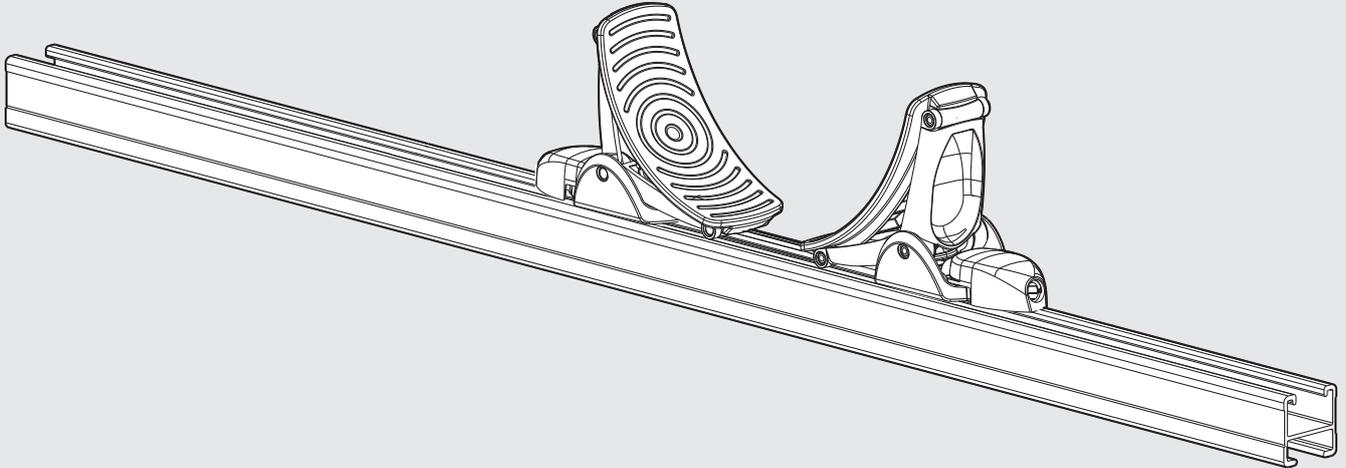
### HD-FK2

**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:** 15mins

This kit is for fitting **580 / 581** to Rhino Heavy Duty Crossbars



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Issue No: 02  
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## Maximum Carrying Capacity

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- Refer to maximum carrying capacity of roof racks. Please refer to your vehicle manufacturer's 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 and that the centre of gravity is kept as low as possible.

## Warning

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- Do not attempt to fit the 580/ 581 to your vehicle unless you fully understand these fitting instructions. Please direct any questions regarding fitting to the dealer from where the 580/ 581 was purchased.
- Check part number or kit is correct for use with your vehicle.
- 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 vehicles, the cabin and the canopy move independently. Roof racks 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 roof racks or the canopy roof racks.
- Always ensure you fasten your load securely.
- Use only non-stretch fastening ropes or straps to attach cargo to your load.
- Long loads (e.g. canoes and kayaks) must be secured front and rear with non-stretch fastening ropes or straps.
- 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.
- **Ensure the bottom of the kayak is clean before loading to avoid damage to both kayak and cradle.**
- **Take care when loading and unloading to ensure that the kayak does not damage the vehicle.**
- **The roof racks must be at least 600mm apart for safe use.**

## 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.
- 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),

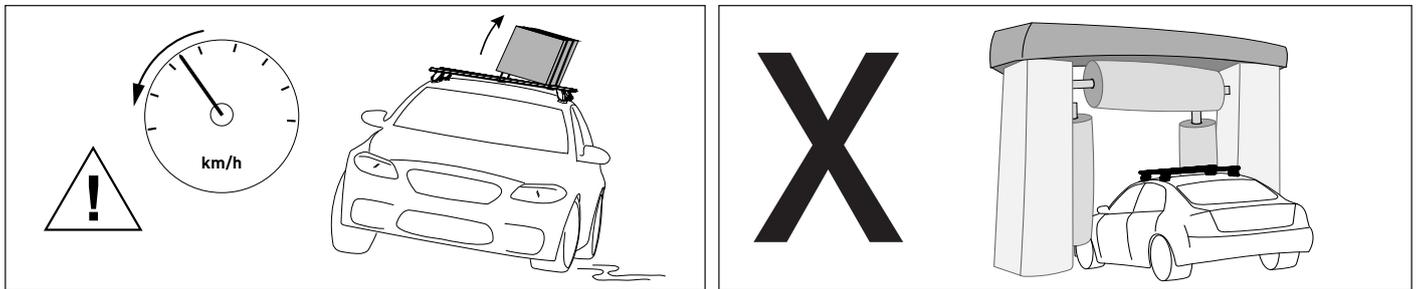
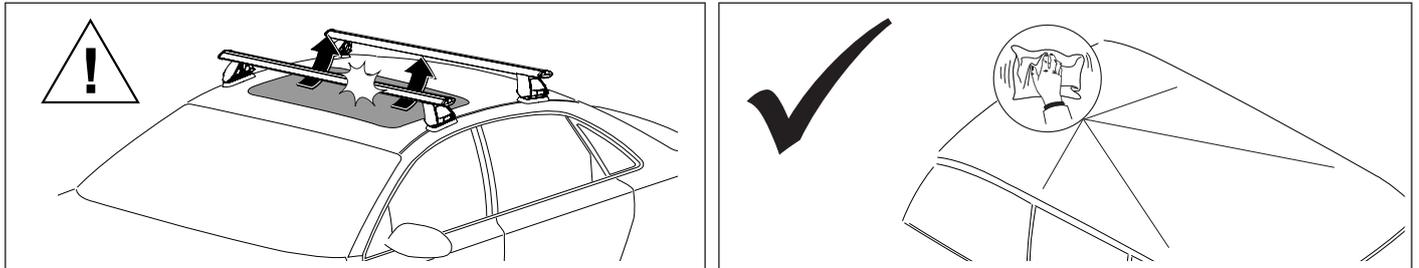
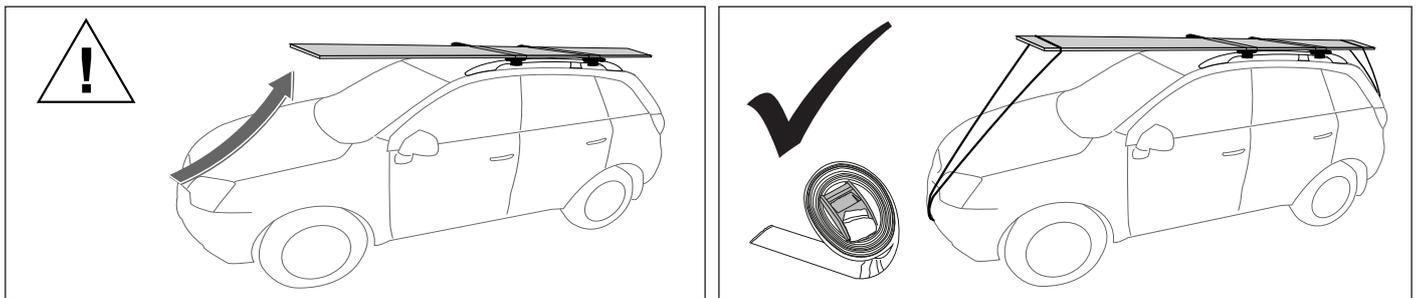
M8: 8-10Nm (6-7.5lbs/ft)

M10: 16-18Nm (12-13lbs/ft).

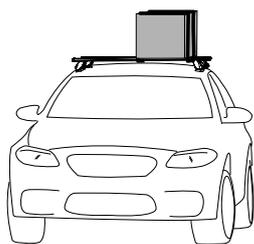
## Note for Dealers and Fitters

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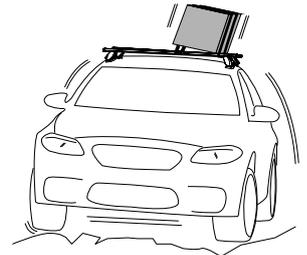
It is your responsibility to ensure these fitting instructions are given to the end user or client. These instructions remain the property of Rhino-Rack Australia Pty. Ltd. and may not be used or changed for any other purpose than intended.



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 **halved**. Do not forget to subtract 7.5kg from your maximum carrying capacity due to the weight of the crossbars and legs.

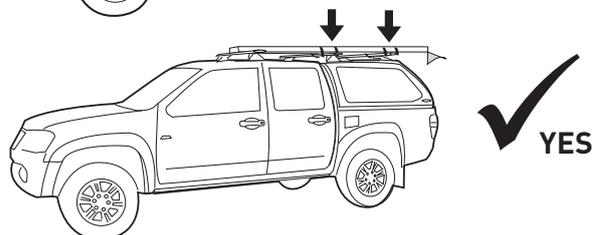
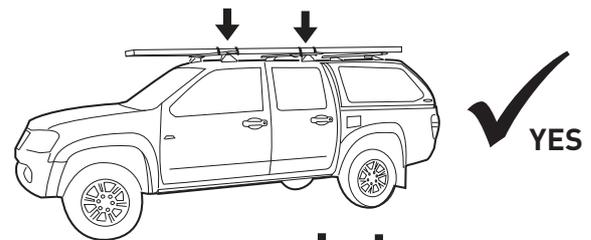
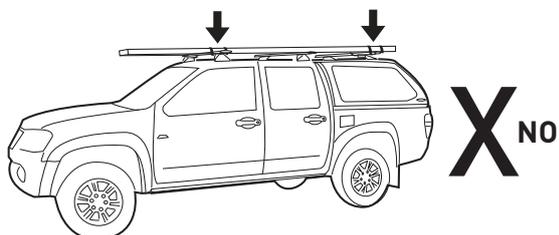


**60kg load rating** (Urban road) = **30kg load rating** (Off road - 60kg / 2)



**WARNING! Important Load Carrying Instructions**

With utility vehicles, the cabin and the canopy move independently. Roof racks 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 roof racks or the canopy roof racks.

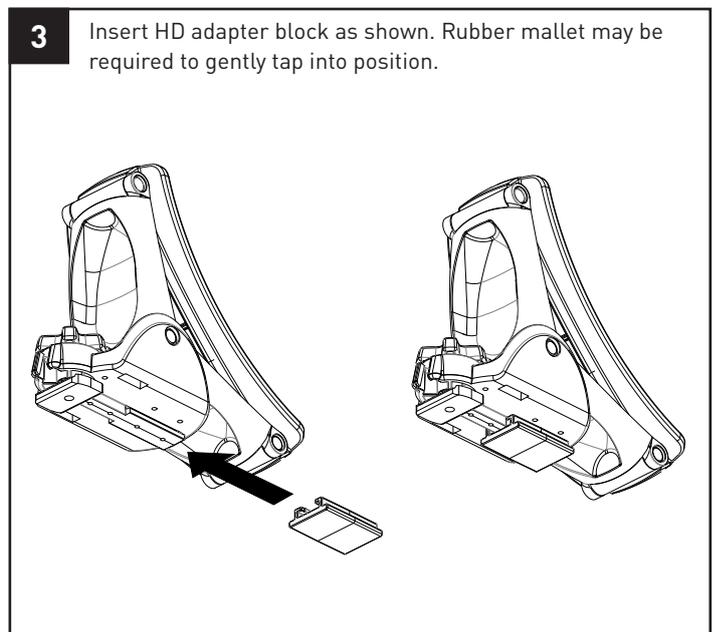
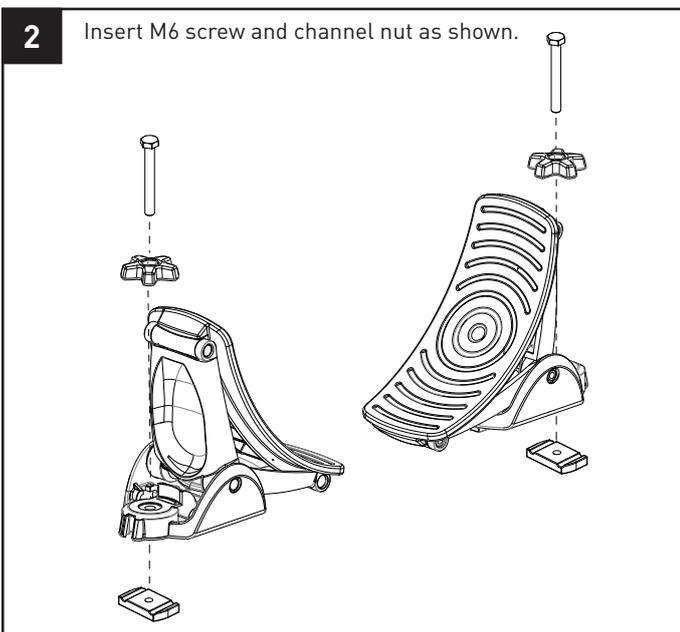
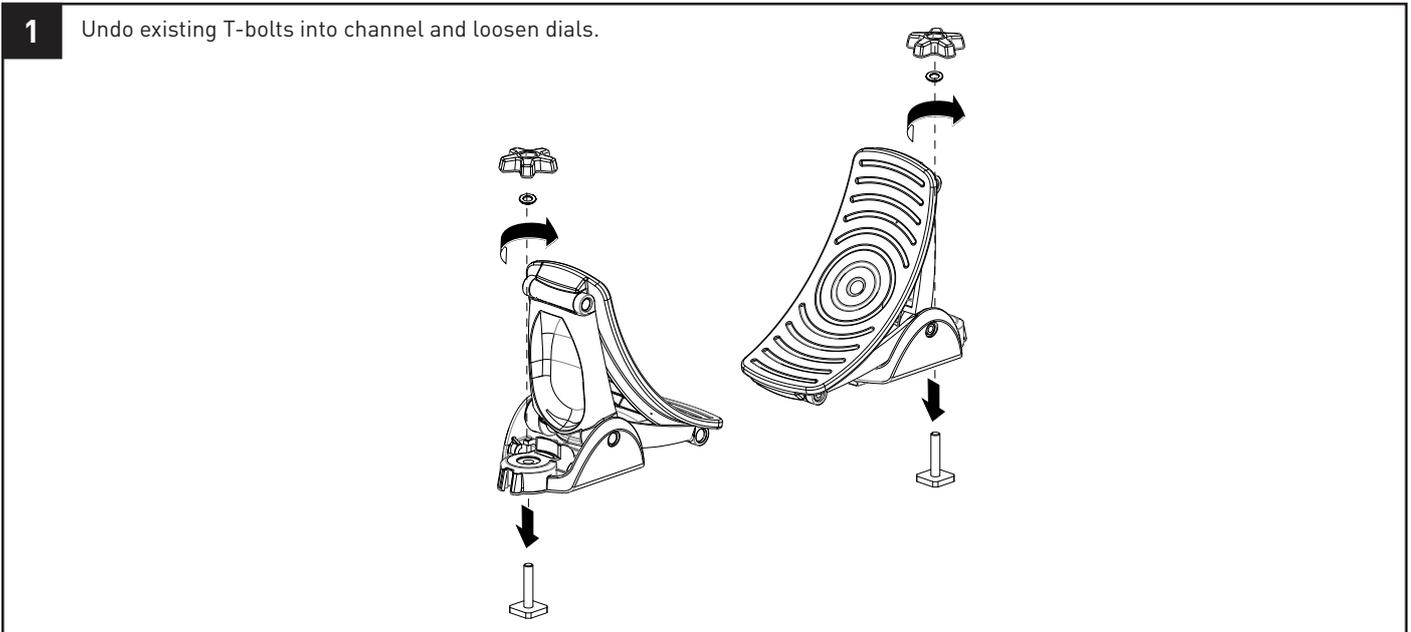
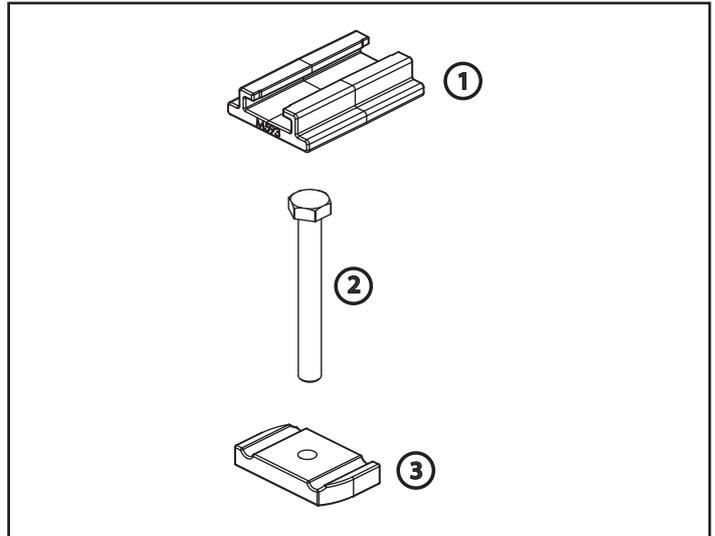


**Parts List**

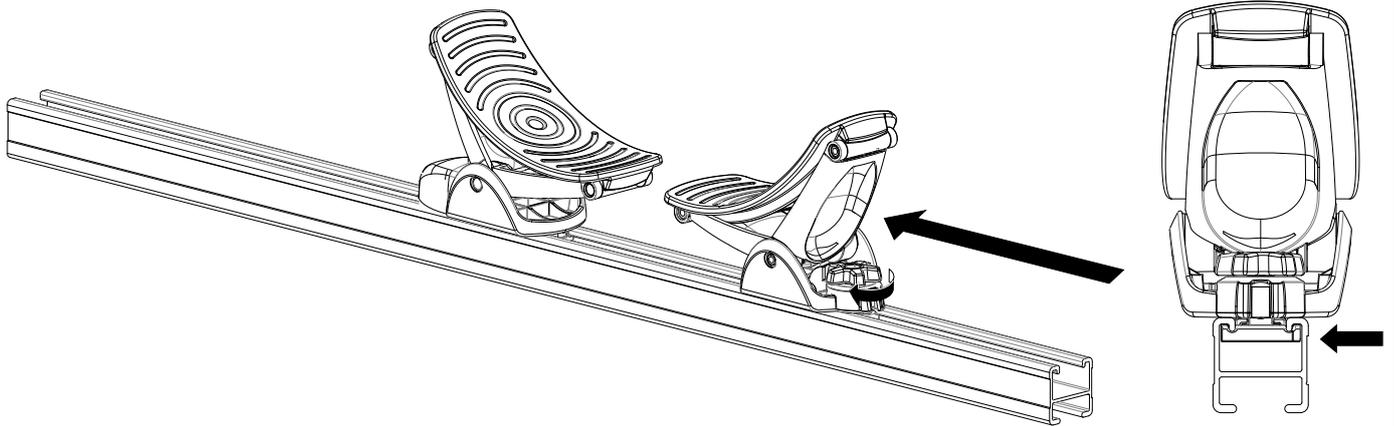
Item	Component Name	Qty
1	HD Bar Adapter Block	4
2	M6 x 40mm Hex Head Screw	4
3	M6 Channel Nut	4
4	Fitting Instructions	1

**Care Instruction:**

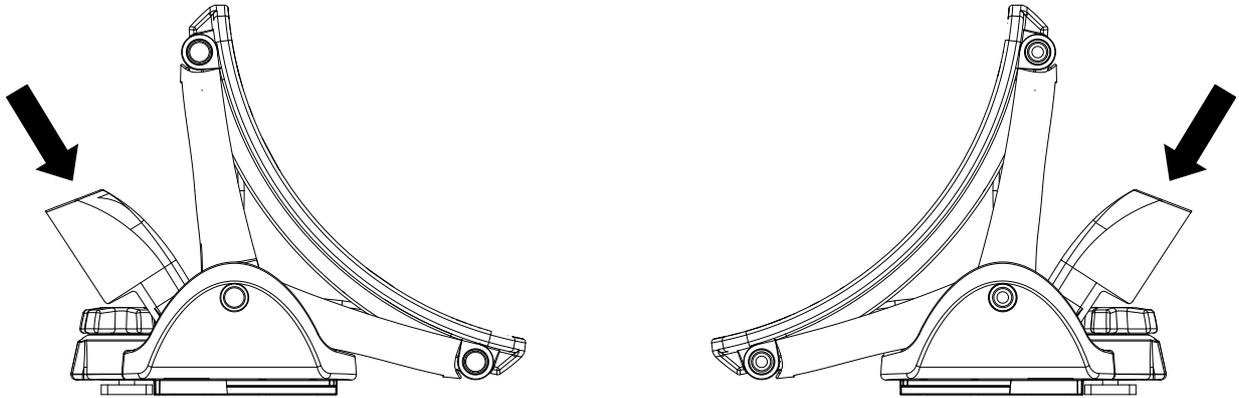
Wash and clean vehicle roof racks prior to fitment



**4** Insert legs as shown. Tighten turn knob and ensure that the channel nut sits horizontally as shown (contacting the bar).



**5** Insert locking covers.



**6** NOTE: Lock covers can also be positioned inwards.

