



# RHINO-RACK®

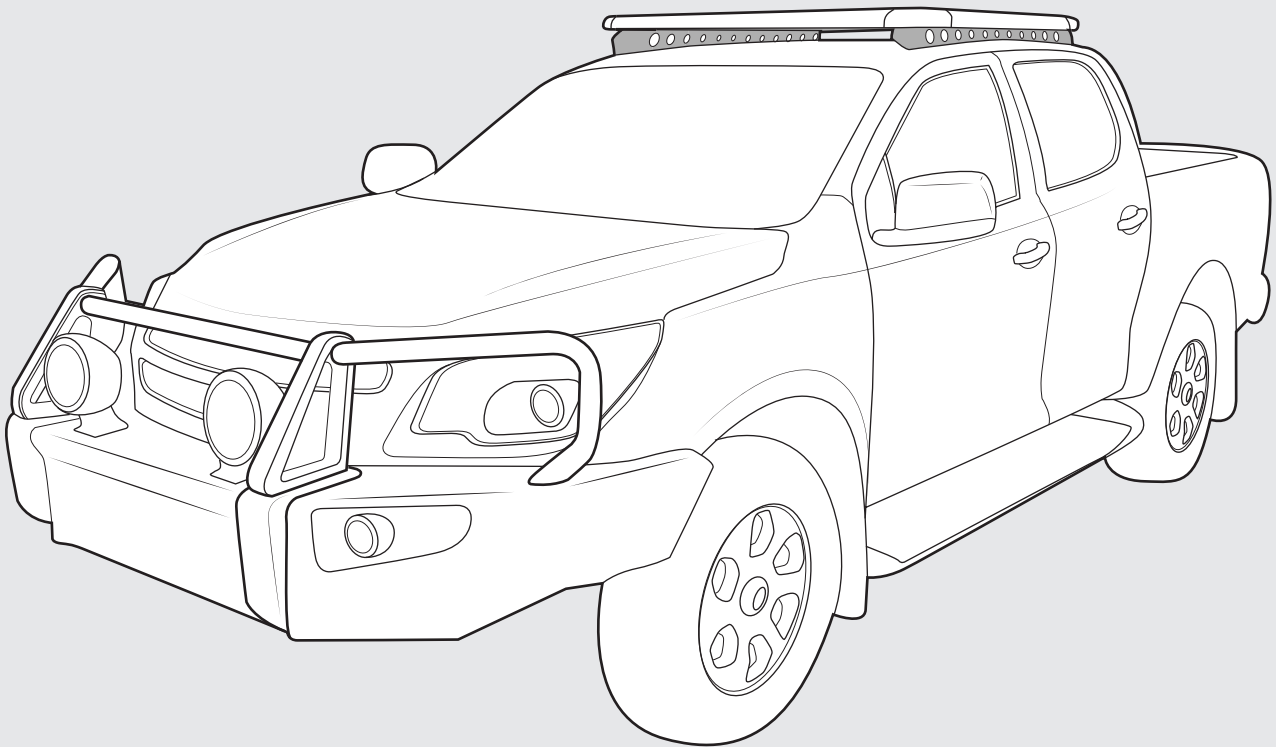
## HOLDEN Colorado / ISUZU D-Max Gen 2 Backbone

### RIDB1

**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:** 1.5 hours



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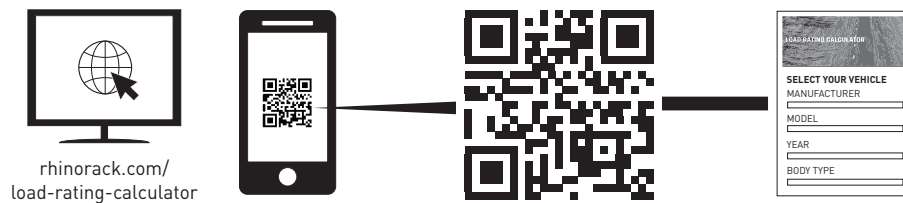
# RIDB1 Backbone Instructions

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## Carrying Capacity

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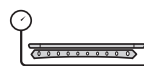
Check the website and the vehicle owners hand book for your vehicle manufacturer's maximum carrying capacity. Load must be evenly distributed over the system.



### Cargo Load Limit

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Total permissible weight allowed on top, and attached to the rack whilst the vehicle is in motion.



### System Weight

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Total weight of the rack system. (e.g. Crossbars, Backbone, Platform)



### Max System Load Capacity

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Please ensure you use the vehicle manufacturer's maximum roof allowance if it is lower than the figure listed in the fitting chart/supplement.



### Vehicle Manufacturer's Load Limit

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Total permissible weight attached to the rack. This is inclusive of the weight of the rack system.

## 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.
- 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).
- Racks must be removed when vehicle is put through an automatic car wash.
- With utility/pick up vehicles, the cabin and the utility tray/truck bed move independently. 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 utility tray/bed 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.

## 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:

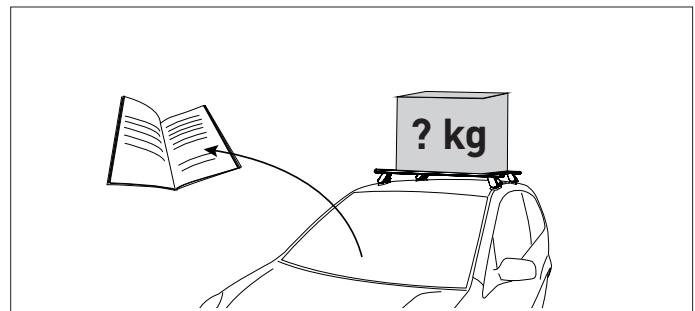
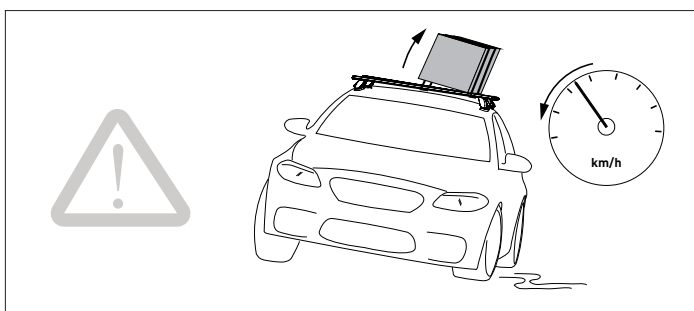
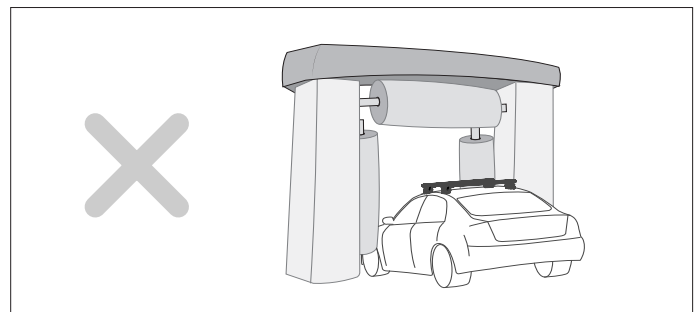
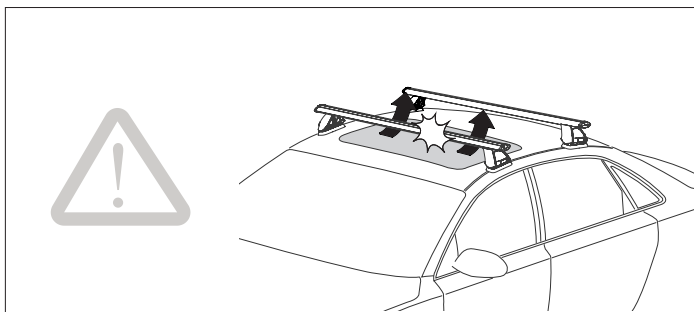
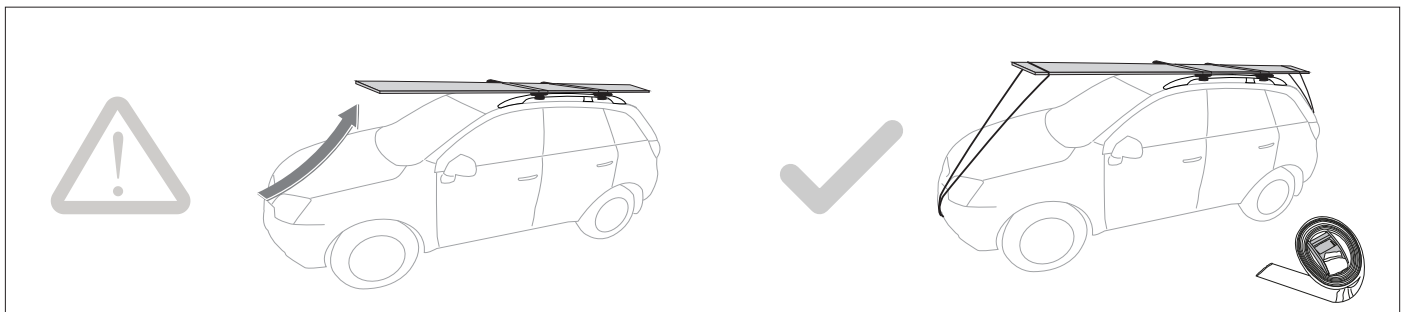
- M6: 4-5Nm (3-4lbs/ft),
- M8: 8-10Nm (6-7.5lbs/ft)
- M10: 16-18Nm (12-13lbs/ft).

## 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.

# RIDB1 Backbone Instructions



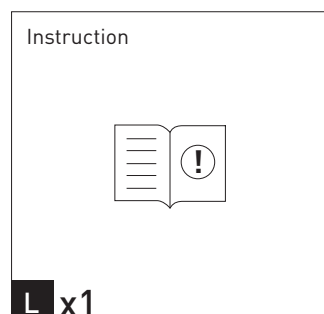
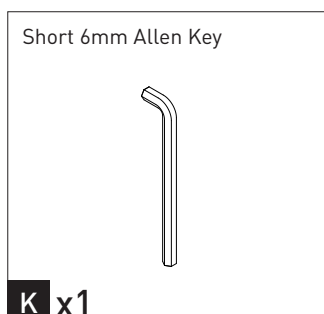
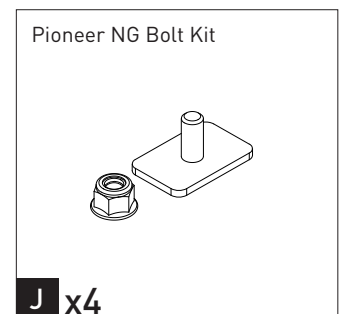
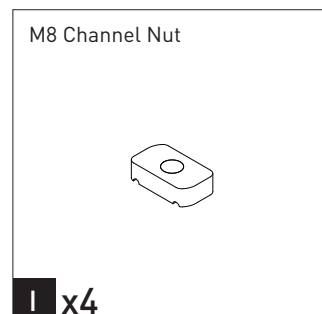
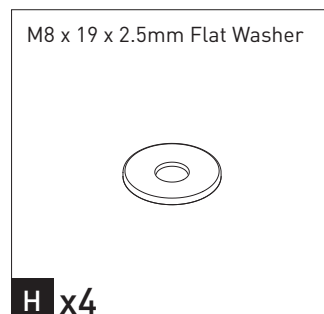
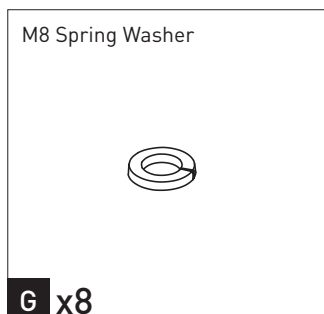
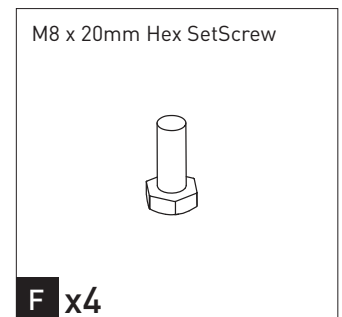
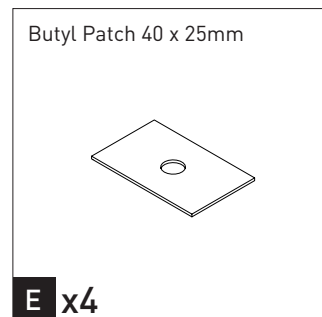
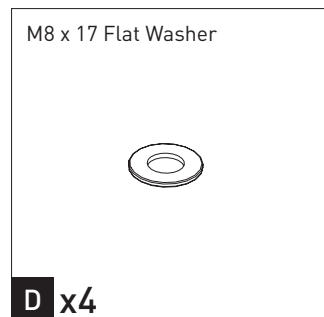
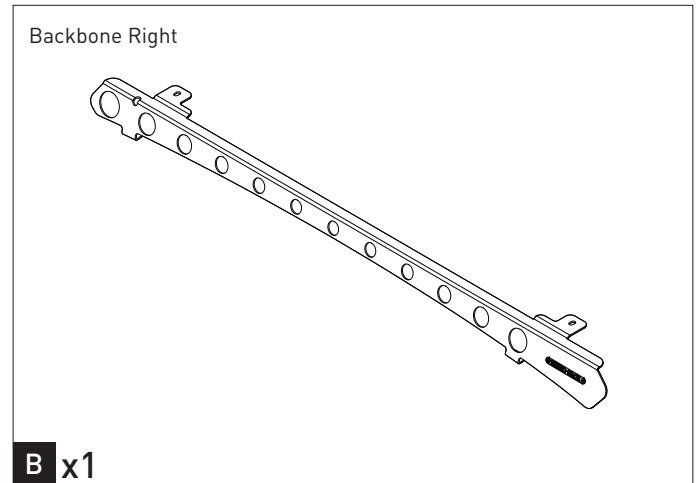
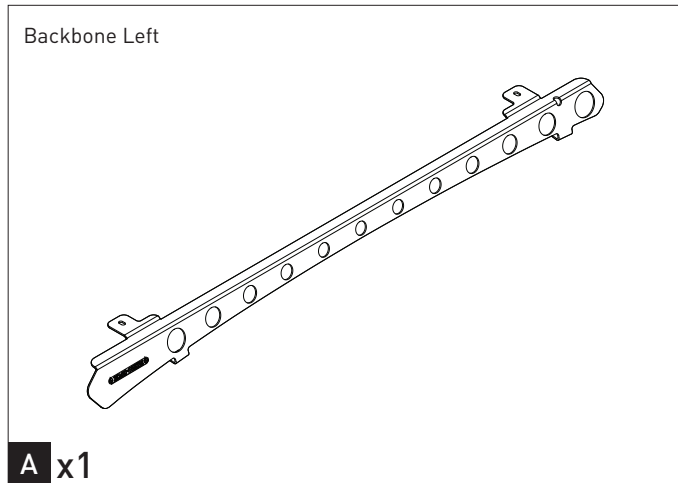
The handling characteristics of the vehicle changes when a load is transported on the roof. Exercise extreme care when transporting wind-resistant loads. Special consideration must be taken when cornering and braking.

Off-road conditions can be much more rigorous. Extreme care must be taken in off-road conditions.

Ensure Ladder is well supported on the ground to support tent. Take extreme caution when climbing heights above 1.2m/4ft.

Paddle/ Surfboards should be fixed to the front of the vehicle.

## Parts List



### Tools Required:

- T1 - 13mm Socket Wrench/ Spanner
- T2 - Marker
- T3 - T50 Torx Key
- T4 - Cutters
- T5 - Long 6mm Ball End Allen Key
- T6 - Trim Removal Tools
- T7 - Drill and Drill Stop (For Isuzu D-max)
- T8 - 3mm Drill Bit (For Isuzu D-max)
- T9 - 7mm Drill Bit (For Isuzu D-max)
- T10 - Dye Grinder (For Isuzu D-max)
- T11 - Vacuum (For Isuzu D-max)
- T12 - Cleaning Rag (For Isuzu D-max)
- T13 - Cold Gal (For Isuzu D-max)

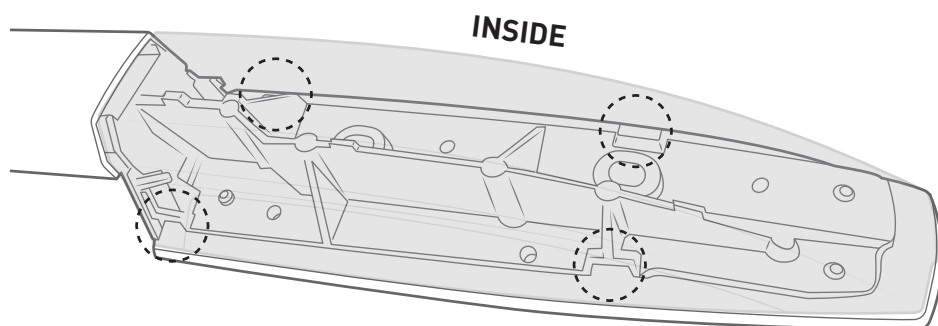
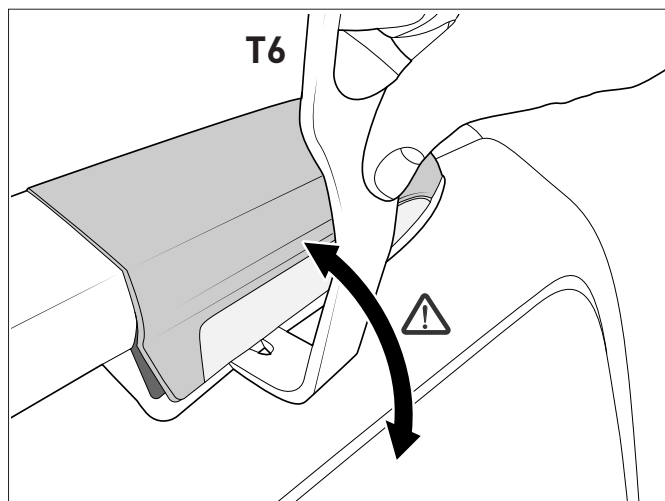
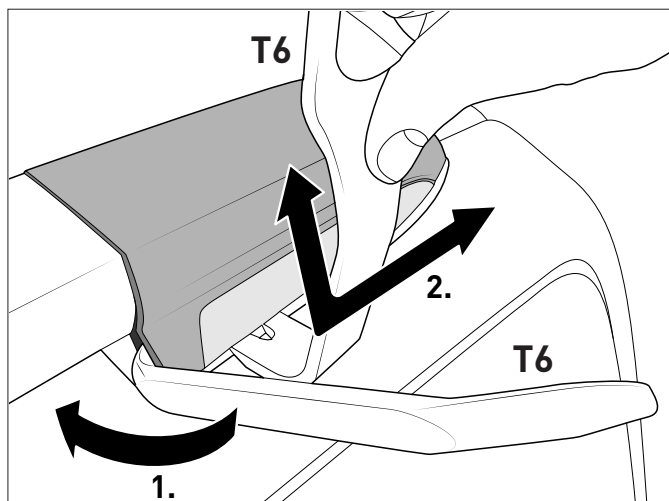
## HOLDEN COLORADO Z71 / ISUZU D-MAX GEN 2 - Factory Rail Removal

(For vehicles without Roof Rails, skip to Step 4)

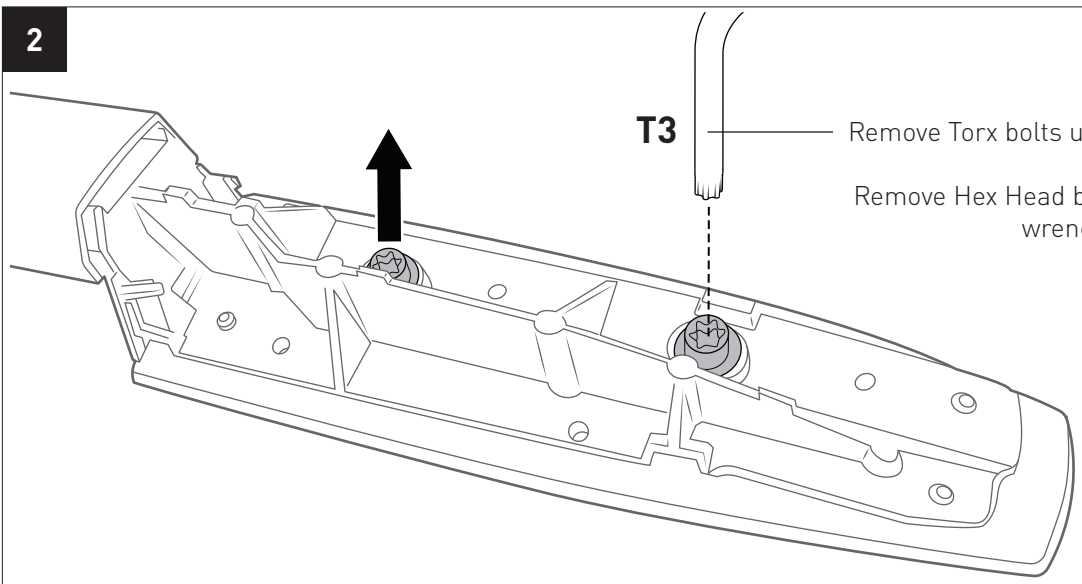
- 1** Disengage the 4 internal clips.
1. Lever from the inside of the rail cover outwards.
  2. Place a second trim removal tool under the cover and slide horizontal whilst lifting.

 **Do NOT lever against body work.**

**NOTE:** for models with roof rails be sure to have **SUB0709** kit on hand.



Extreme caution must be used when removing cover and rail. The roof panels are extremely soft and can easily be deformed.

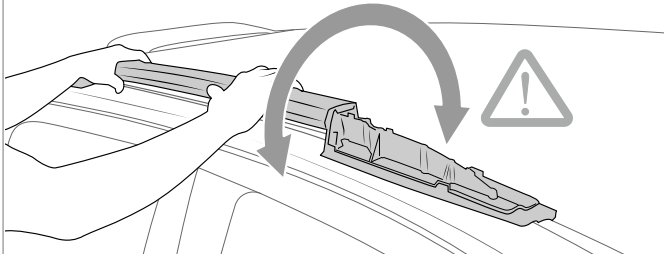
- 2**
- 
- T3** — Remove Torx bolts using T50 Torx key.  
Remove Hex Head bolts using socket wrench.

## RIDB1 Backbone Instructions

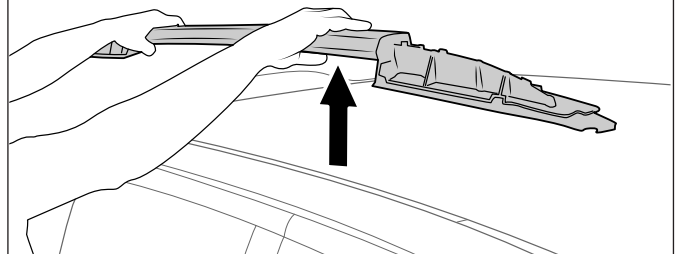
### 3 Remove factory rail.



Do **NOT** roll rail backwards or forwards as this will damage the bodywork.



LIFT rail vertically to remove.

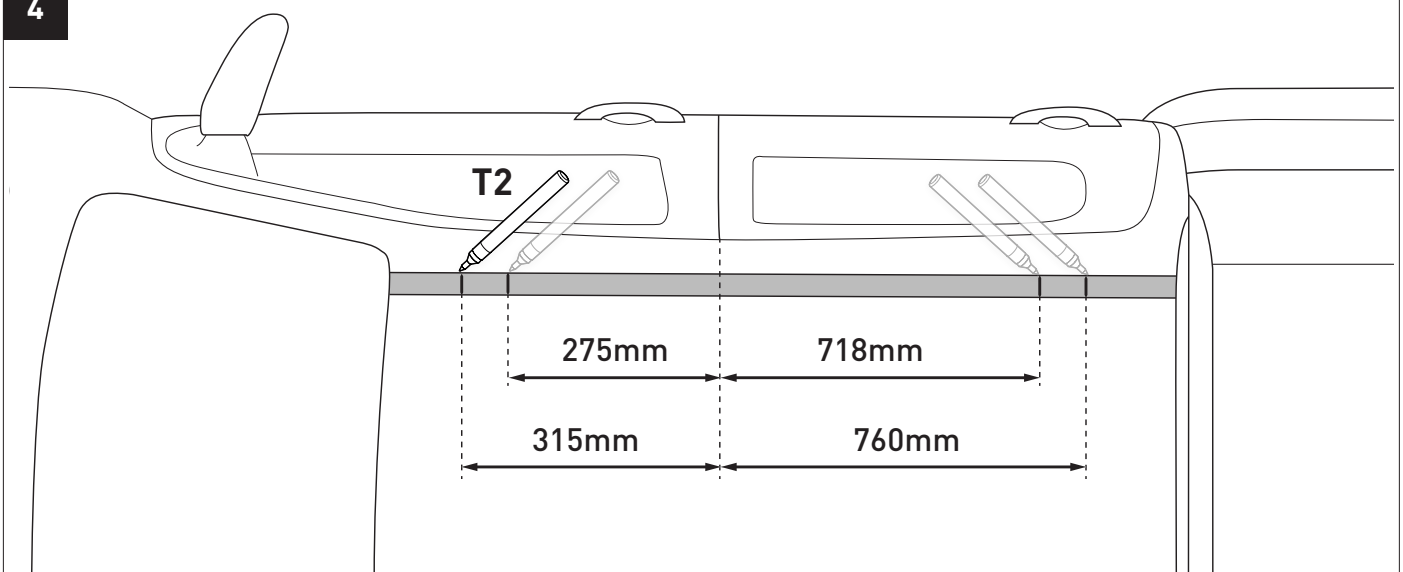


**Note:** The gutter strip under the roof rail is factory cut and will NOT extend to the feet of the Backbone. A gap in the gutter strip will be present.

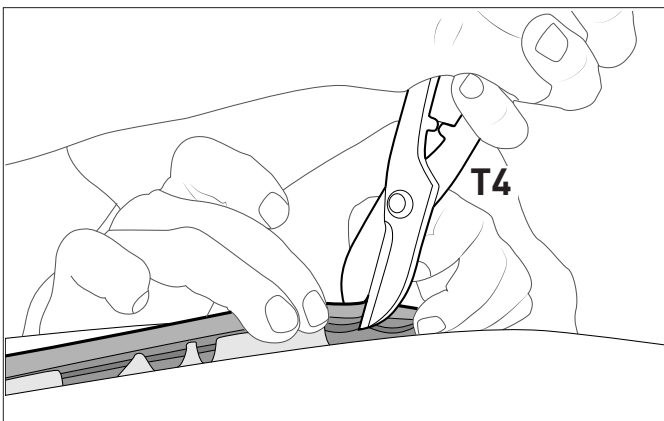
Install **SUB0709** into the front hole at both the front and rear rail attachment points.

## Vehicles without Roof Rails (For Rail variants, skip to Step 9)

### 4

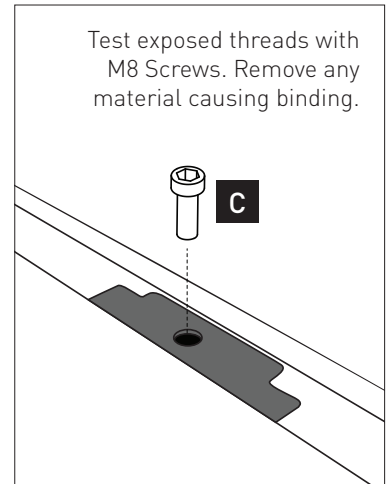
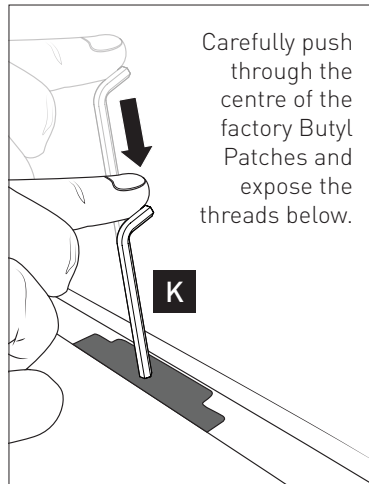
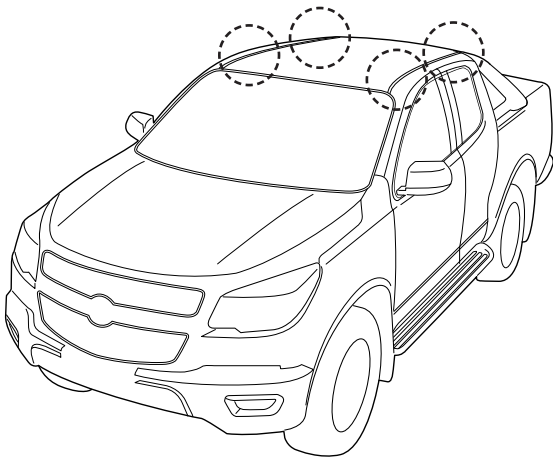


1. With the assistance of a second person, peel back the inside edge of the gutter at the areas marked above.
2. Carefully cut the inside edge of the Ditch Moulding.
3. Push the ditch moulding forward and complete the remainder of the cut.
4. Repeat for all ditch marks.

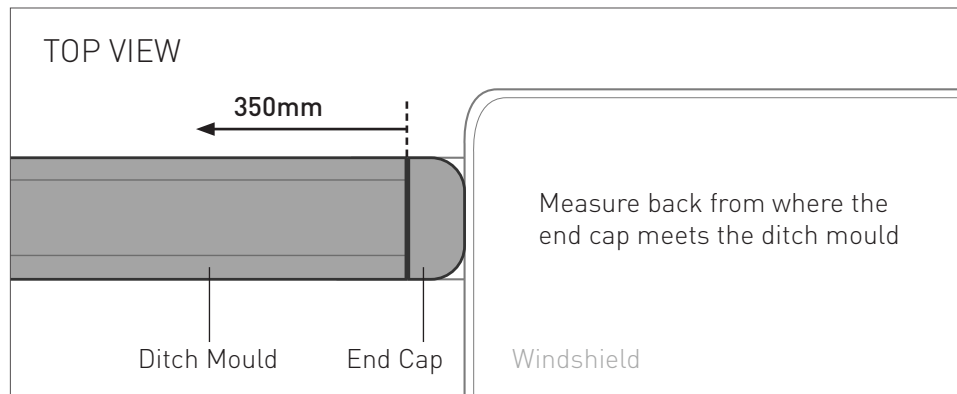
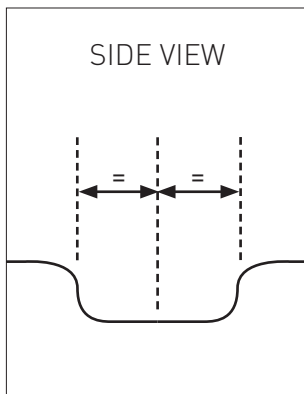


**6 For HOLDEN COLORADO Only** (For Isuzu D-Max see Steps **7a 7b 7c 7d**)

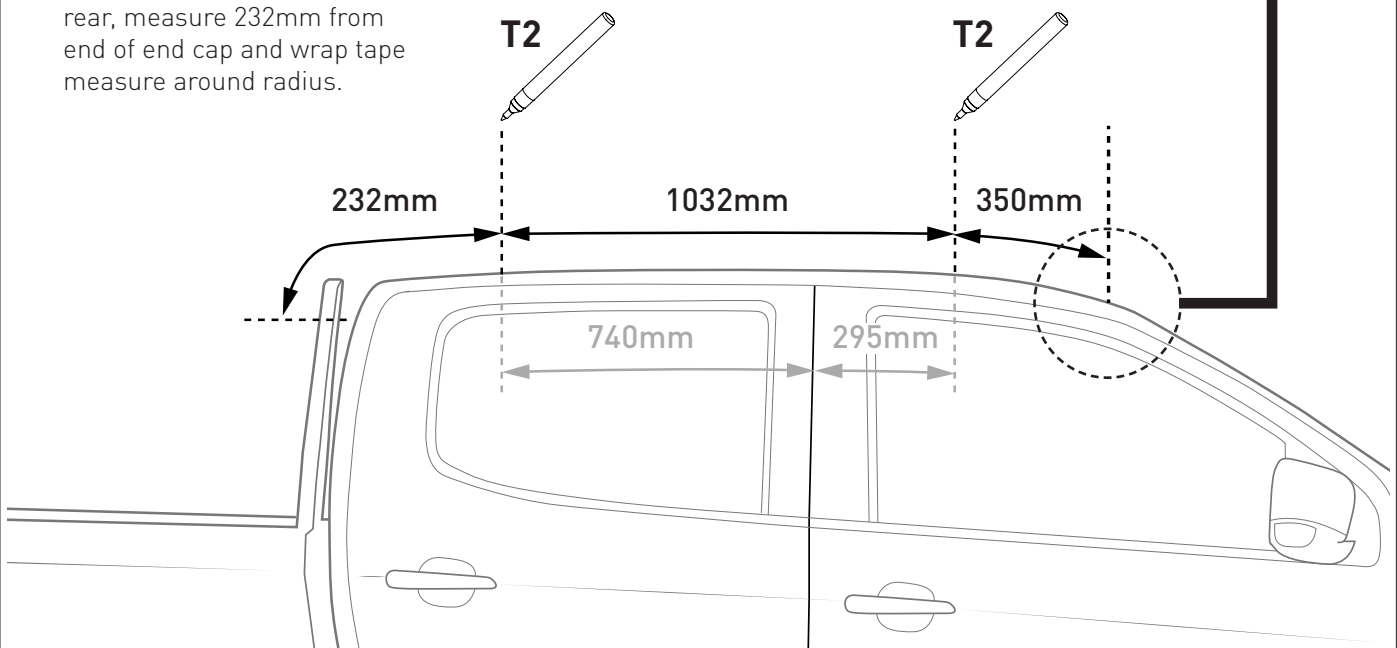
Locate the four Factory Mount Points in the Ditch, these will be covered by painted Butyl Patches.



**7a For ISUZU D-MAX Only** (For Holden Colorado skip to Step **8**)

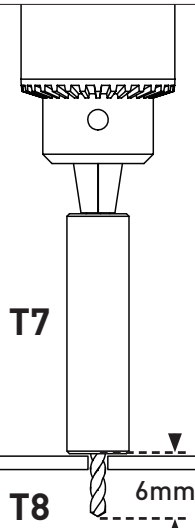
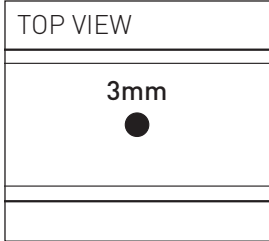


**Note:** For measurement from rear, measure 232mm from end of end cap and wrap tape measure around radius.

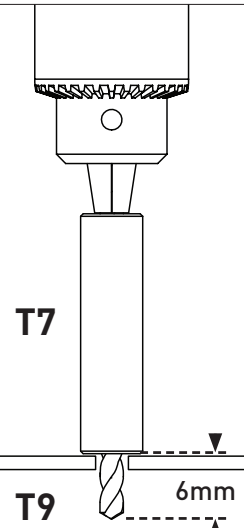
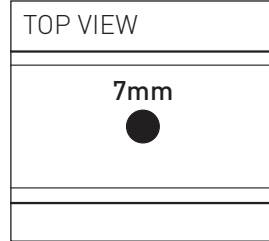


7b

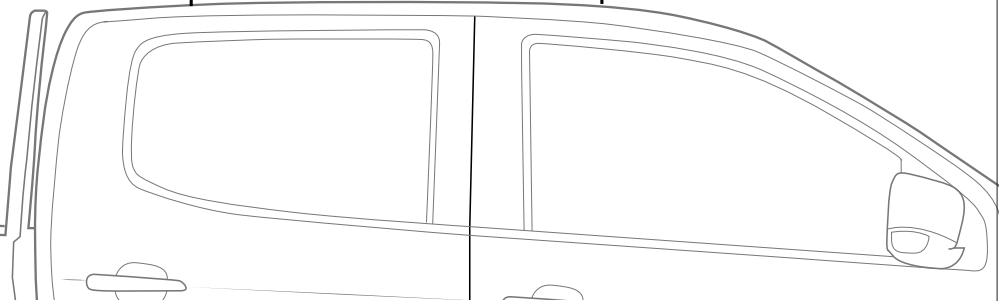
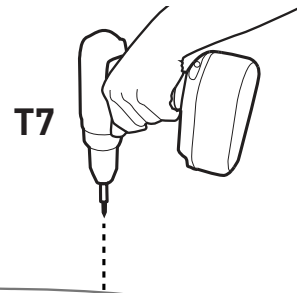
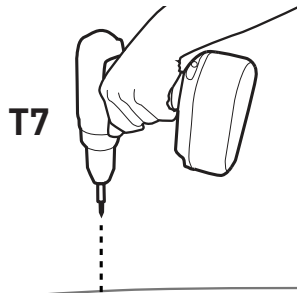
Spot drill the centre of the Ditch at the marked points with a 3mm Drill Bit.



Enlarge 3mm hole with a 7mm Drill Bit.

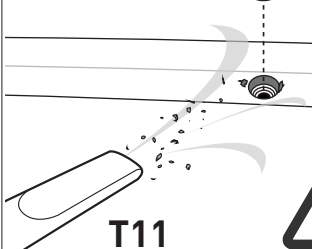
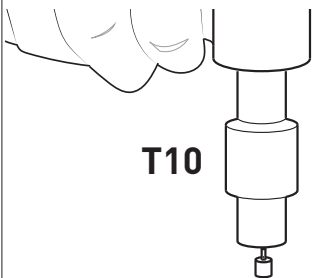


**NOTE:** Use drill stop to prevent damage to threaded nutserts below



7c

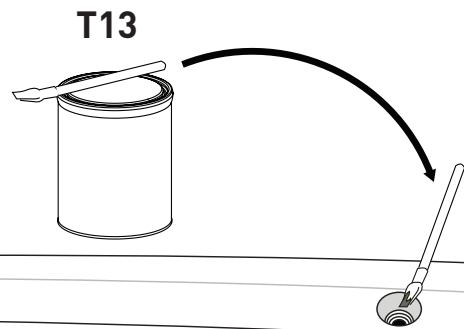
Dye grind the opened holes to expose the nutserts below. Remove any remaining swarf.



Be careful not to damage the threads in the factory nutserts

7d

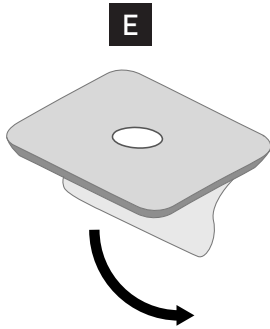
Apply Cold Gal liberally to the inside and surrounds of all holes. Allow 15 mins dry time (weather dependant).



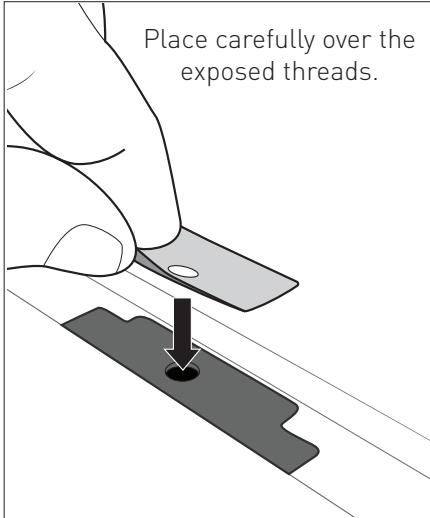


8

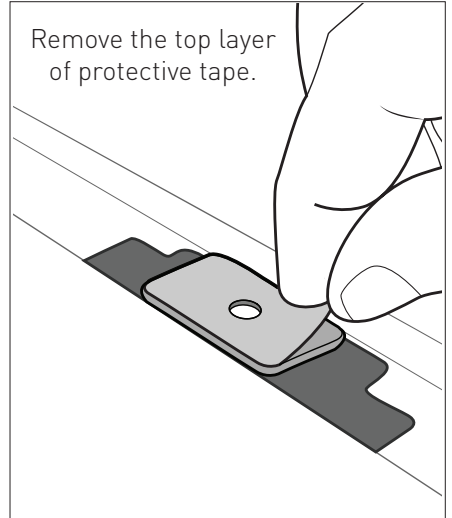
Remove one side of protective tape from butyl patches.



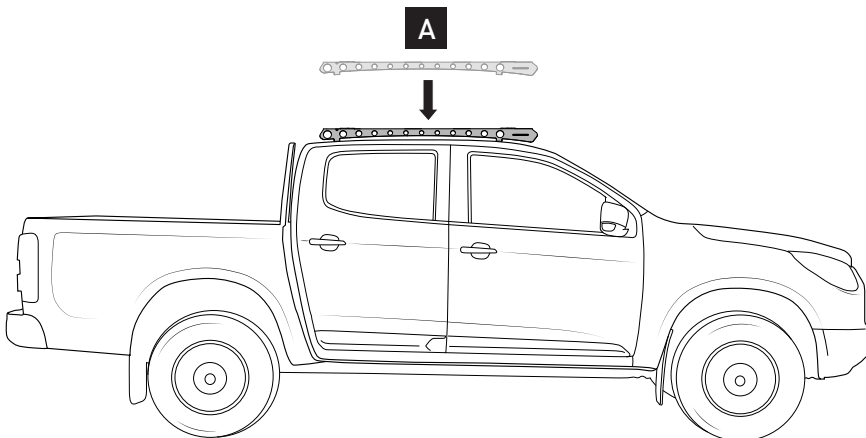
Place carefully over the exposed threads.



Remove the top layer of protective tape.



9

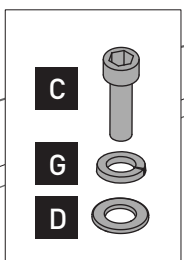


FRONT VIEW



Metal Tabs face inwards toward the vehicle.

10 Finger tighten hardware and begin to tighten



T5



**Note:** Turn the Ball and Allen Key carefully to avoid damaging **C**. You will not be able to completely tighten the Screws.

11

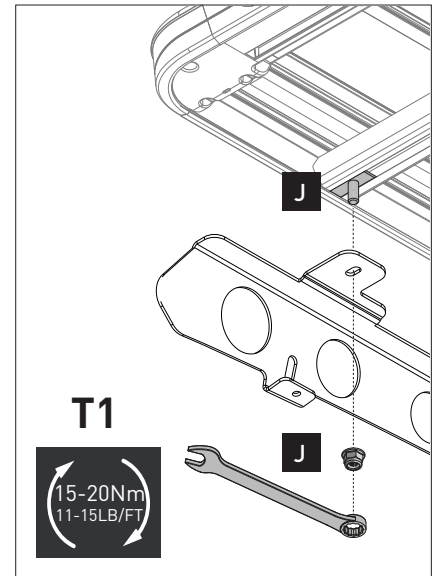
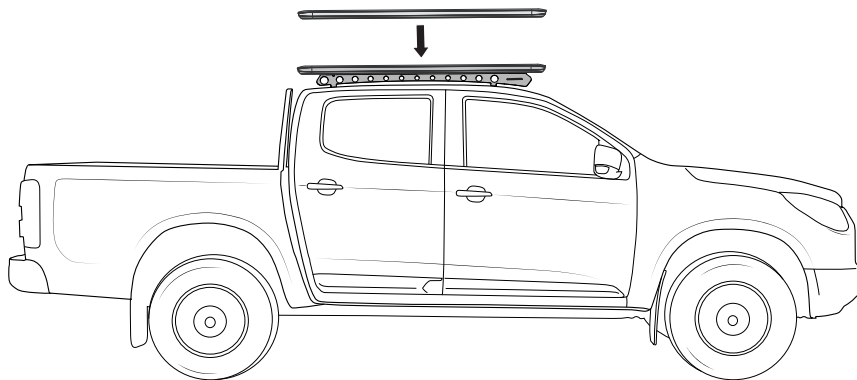


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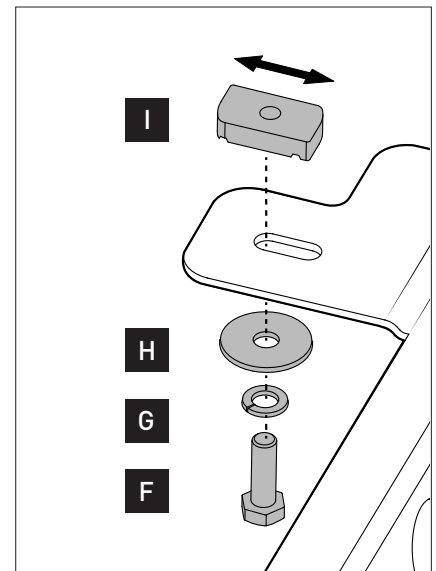
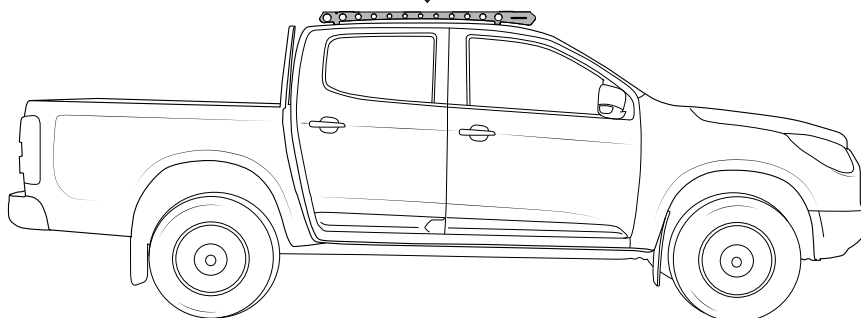
Repeat Steps **1** to **11** to opposite side of vehicle.



**14** For 5XXX Series Platform



**15** For 4XXX Series Platform



**16** For 4XXX Series Platform

