

# RHINO-RACI

#### **Land Rover Discovery RD4B1**



Important:

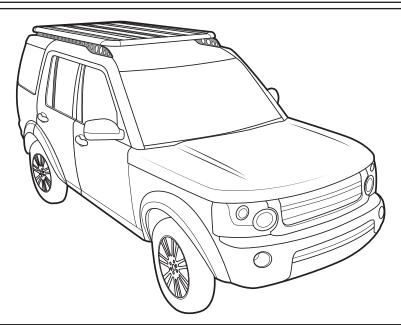
Please read these instructions carefully prior to installation.

Please refer to your fitting instruction to ensure that the Backbone System is installed in the

correct location.

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.

Layout



Maximum load carrying capacity: 100kg / 220lbs

#### **Important Information**

- 1. Check Part No./Kit is correct
- 3. ☐ Fit roof rack accessory
- 2. Read through instruction before installing 4. Check and recheck all fasteners are secure

Maximum carrying capacity:

100kg (220lbs) including the weight of the rack system 25kg (55lbs). Static Load Rating: 360kg/ 800lbs

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

Warning: 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.

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. 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 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 and must be entirely contained within the extents of the roof racks.

Rack System 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.

The Backbone Rack System may be used in off road applications, however a safety factor of 1.5 is enforced. That is, maximum permissible off road load is 66kg (145lbs). Although the crossbars are tested and approved to AS1235-2000/ 15011154, off-road conditions can be much more rigorous. Extreme car must be taken in off road conditions

#### 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

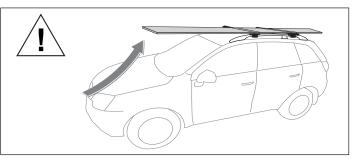
Document No: R802 Prepared By: Kayle Everett Authorised By: Chris Murty

Fit Time: 2 hours Issue No: 04

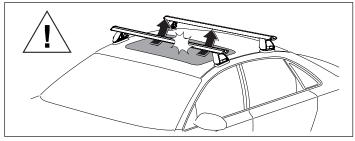
Issue Date: 01/03/2016

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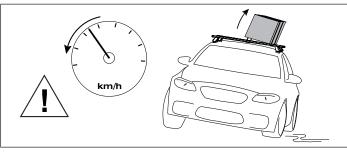


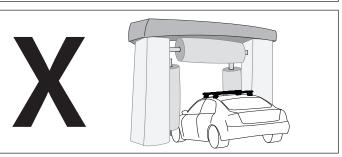


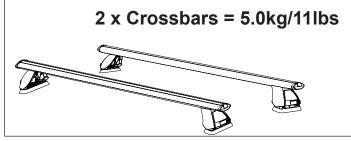


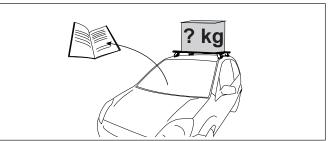




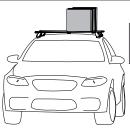




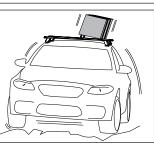


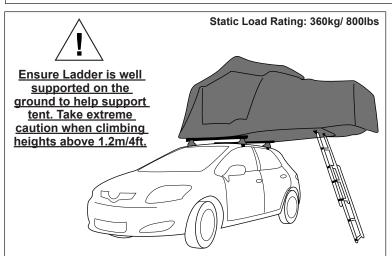


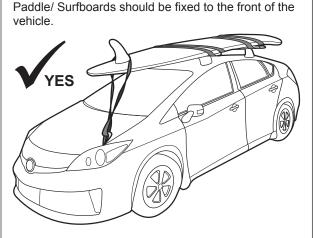
When these roof racks are to be used on a vehicle that is driven off sealed roads, the manufacturer maximum roof load rating (to be found in the vehicles User Manual) should be *divided by 1.5*. Do not forget to subtract the complete crossbar system weight from your maximum carrying capacity.



100kg/220lbs (Urban Road) — 66kg/145lbs (Off Road)



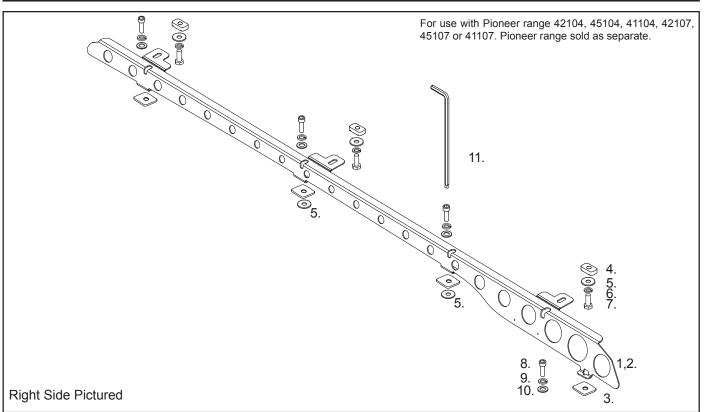




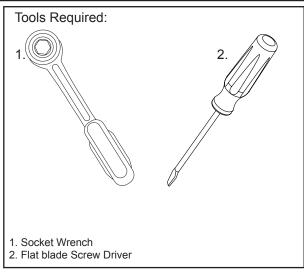


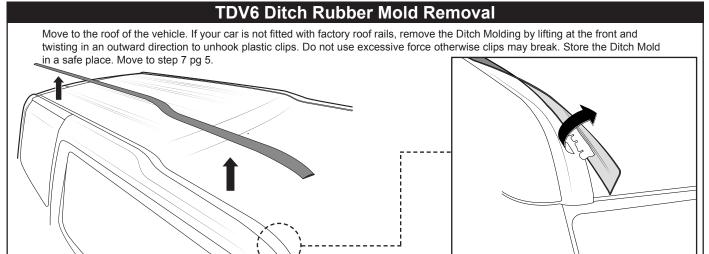


#### **Parts List**

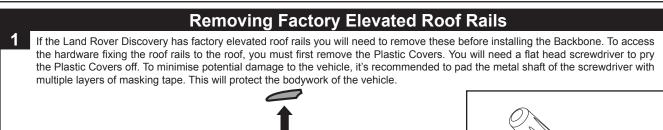


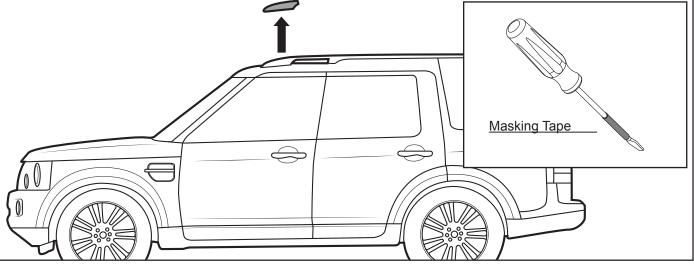
Item	RD4B1 Kit	Qty	Part No.
1	Land Rover Discovery Left Rail	1	CA1437
2	Land Rover Discovery Right Rail	1	CA1438
3	Butyl Patch 20x20 M5 Hole	8	CA1266
4	M8 Channel Nut	6	N003
5	M8x19x2.5 Flat Washer	10	W043
6	M8 Spring Washer	6	W019
7	M8x25 Hex Setscrew	6	B101
8	M6x16 Socket Head Screw	8	B031
9	M6x12.5mm Flat Washer	8	W003
10	M6 Spring Washer	8	W004
11	5mm Ball Allen Key	1	-
12	Instructions	1	R802



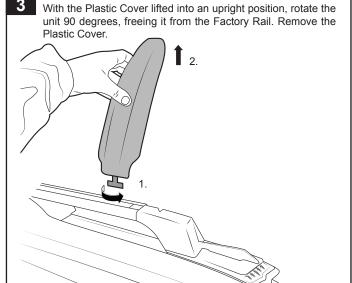


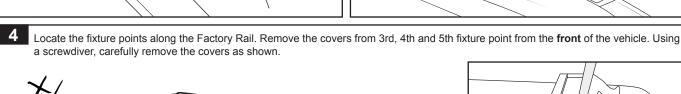


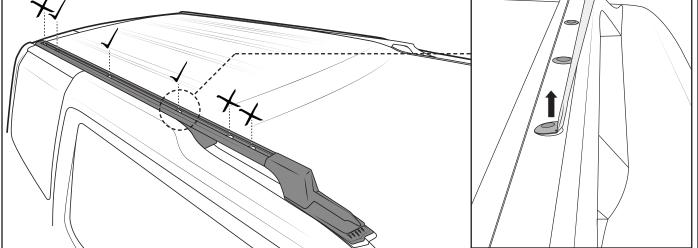




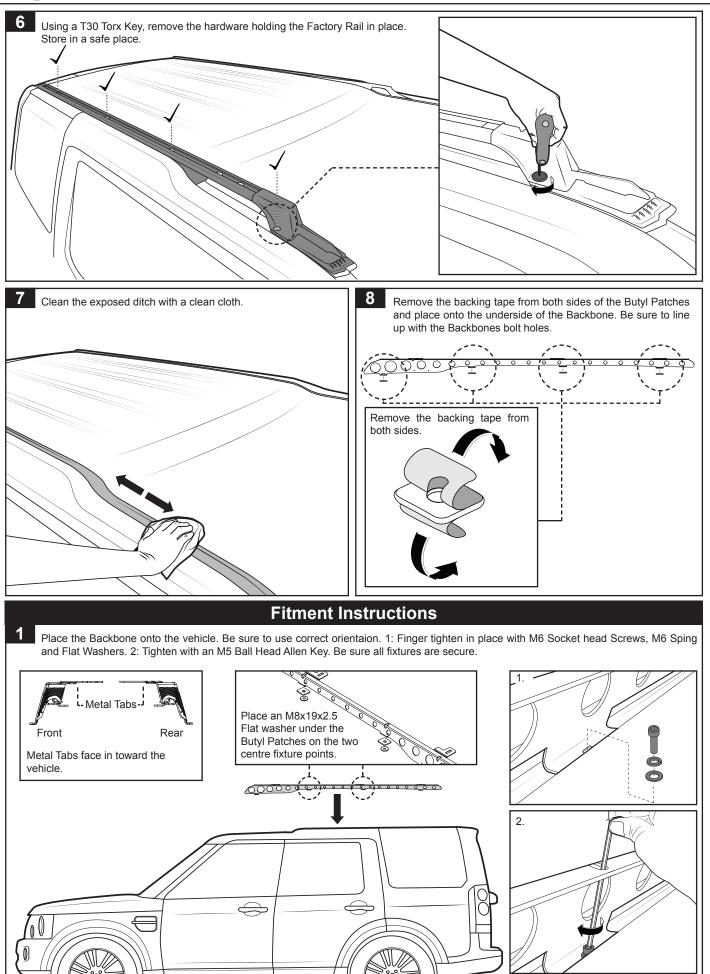
Using the tape covered screwdriver, slide into the very front of the Factory Rail. The screwdriver should fit in between the Plastic Cover and the Rubber Base of the unit. Carefully pry the Plastic Cover upward. Do not use excessive force.



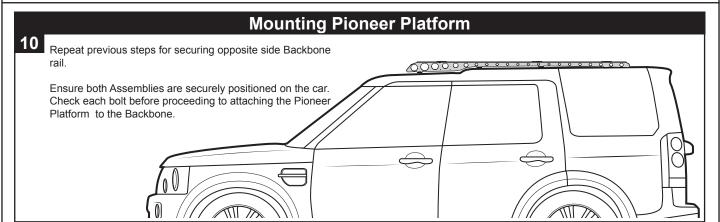


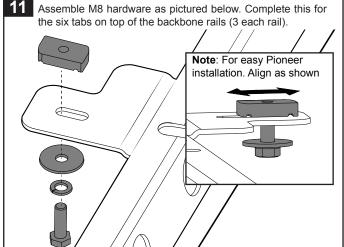








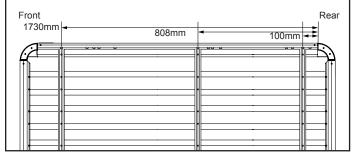




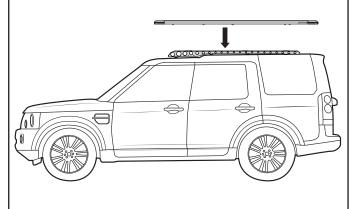
12 Install Pioneer Underbars with slots indicated Front: 100mm from Rear

Middle: 808mm from Rear Rear: 1730mm from Rear

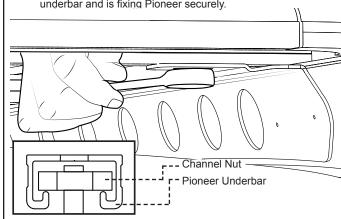
For detailed underbar installation instructions, refer to Pioneer fitting instructions.



After underbars have been correctly fitted, place the Pioneer tray on top of the Backbone. Align the underbars with the top tabs and ensure the M8 hardware fits into underbar channel.



Once Pioneer Underbars have been aligned properly, tighten all M8 hardware using 13mm socket wrench or 13mm spanner. Ensure channel nut has rotated within Pioneer underbar and is fixing Pioneer securely.



Note The Ditch Moulding can be cut to length and fit around the Backbone Brackets. Measure the distance of the gaps on either side of the Bracket. Translate this measurement to the previously removed Ditch Fill and cut (be sure to use sharp cutters). Replace the newly cut Fill.

