



Jeep Grand Cherokee WK2

2011-21

Roof Rails Only

IMPORTANT! – READ BEFORE INSTALLATION

- This product must be installed exactly as per these instructions using only hardware supplied.
- Take a few moments to read instructions thoroughly before beginning work.
- In the event of damage to any component please contact OFFROAD ANIMAL to arrange repair/replacement of components.
- Do not use this product for any vehicle make or model other than that specified on these instructions.
- Do not remove labels from this product.
- This product and its fixings must not be modified in any way unless stated in these fitting instructions.
- The installation of this product is recommended for trained personnel.
- These instructions are correct at time of publication. OFFROAD ANIMAL cannot be held responsible for the impact of any changes subsequently made by the vehicle manufacturer. If you find something has changed please contact us to let us know!
- During installation it is the duty of the installer to check correct operation/clearances of all components.
- If Instructions are to be printed for reference in the workshop, it is recommended that they are printed in colour, for best legibility.
- Fitting Time: 45 min
- No loading applied to these rails as we do not know what rack you're going to put on it.

GENERAL CARE AND MAINTENANCE

Only wash the product with a PH neutral car wash to prevent paint damage and discolouration.

Plastic parts may be maintained with silicone spray.

Do not use acidic or alkaline based cleaning products.

It is important to perform regular checks (pre trip or on an annual basis) on the installed product. Checks include:

- Visual inspection for damage (eg. cracks, chips, dents etc.)
- Electrical wiring is not rubbing anything or worn out
- Bolts are torqued to correct specification (see torque guide below)

For touching up small stone chips, Offroad Animal recommends the following paint products:

- Dupli-Color Trim & Bumper Paint Black (TB101)
- VHT Hood, Bumper & Trim Paint Black (SP27)

BOLT TORQUE SETTINGS

Use the following bolt torques on all general fasteners, unless otherwise specified.

GENERAL FASTENERS	
Size	Torque Nm
M5	5 Nm
M6	9 Nm
M8	22 Nm
M10	44 Nm
M12	77 Nm

Use the following bolt torques on all structural front bar mount and tow point fasteners, and rear towbar fasteners, unless otherwise specified.

FRONT BAR MOUNTS AND TOW POINTS + REAR TOWBAR	
Size	Torque Nm
M10	57 Nm
M12	100 Nm
M14	164 Nm
M16	248 Nm

Always use a torque wrench to set correct torque settings. Ensure torque wrench is set to Nm unit of measurement. Otherwise perform conversion to lb-ft.

PARTS LISTING

IMPORTANT: Check all parts are present before beginning work! Contact OFFROAD ANIMAL if something is missing.

Main Parts – In the Box

Qty	Part Number	Description	Image
1	RR-JGC-WK2-11-ASM2L	ROOF MOUNT LH	
1	RR-JGC-WK2-ASM2R	ROOF MOUNT RH	

Small Parts – Contained in Small Parts Kit Bag

Qty	Part Number	Description
1	PINCH WELD BLACK 3M	PINCH WELD BLACK 14MM X 9MM X 3M
12	M6 X 20	M6 X 20 HEX ZINC 8.8
12	M6 MUD WASH	M6 MUD GUARD WASHER
12	M8 CN	M8 CAGE NUT
12	M8 FW	M8 FLAT WASHER
12	M8 X 25	M8 X 25 HEX BOLT ZINC 8.8

TOOLS REQUIRED

The following tools will be required to install the product.

Hand Tools	Power Tools	Workshop Equipment
T30 Torx Bit		
10mm Spanner		
10mm Socket and ratchet driver		
13mm Spanner		
13mm Socket and ratchet driver		
Side Cutters		

GENERAL WARNINGS

Offroad Animal will not be responsible for other manufacturers or custom racks used on our rails.

WORKSHOP SAFETY

It is the responsibility of the installer to always complete works in a safe manner. Make sure the following safety equipment is available and precautions are observed whilst fitting this product.

Hearing Protection 	Always wear ear protection when using power tools.
Eye Protection 	Ensure eye protection is always worn when cutting or drilling.
Manual Handling 	Do not attempt to lift bar assemblies or rock sliders on your own. Always use two people to lift or use mechanical Lifting aid such as hydraulic lifting trolley.
Vehicle Support 	Always ensure vehicle is properly supported when working on it. Do not attempt to fit products whilst suspension work is being carried out. Do not work under a vehicle supported only by a jack.



1. Remove factory rails on both sides. 4x screws in each. Once all screws have been removed pull forward then lift.

Tools Required

T30 Torx bit

Fasteners

Retain only if you want to refit these later



2. Lift off rails and save only if you want to reuse later. Otherwise discard or sell. Clean roof as it's always filthy under there.
3. Clean out your roof buttons / rivnut threads with a M6 tap to make sure they are clear of residual Loctite that would cause over torque of the rivnut (may even spin it) without achieving the desired rail to rivnut clamping force.

A wire brush may also help remove some of the built up rust.

The rivnuts are a known weakness on the WK2 Grand Cherokee and excessive torque, or loosening a rusted thread, has been known to cause some rivnuts to spin.

Once the rivnut threads are clean and dry, and you are ready to install, also consider applying some kind of anti seize thread lubricant to the bolts we supply.

4.

TOOLS REQUIRED

FASTENERS



5. Fit Pinch weld to short edge of roof rails. Trim excess off with side cutters

TOOLS REQUIRED

Side cutters

FASTENERS



6. Fit nutserts as shown in both rails (6x per rail). You can use needle nose pliers or screwdriver to push one end of cage in from side.	TOOLS REQUIRED Needle nose pliers or flat head screwdriver
	FASTENERS M8 Nutserts (12)



7. Lift steel rail onto roof as shown. Repeat for other side.

8. When installing the rails, they should sit somewhere between the middle to the outside of the long black molding piece near the gutter. See picture.

Pushing the rails outboard will help flatten the rail, horizontal to the nutsert head.

TOOLS REQUIRED**FASTENERS**



9. Fit Rails to roof with M6 Hex bolts and mud guard washers. 6 per side.
10. Save M8 hardware for whatever rack you're going to put on.
11. You're all done for now.

TOOLS REQUIRED

10mm Spanner

FASTENERS

M6 x 20 Hex bolts (12)
M6 mud guard washers (12)