



## Jeep Grand Cherokee WK2

2011-2021

Rear Bar

### IMPORTANT! – READ BEFORE INSTALLATION

- **This bar only works with the factory Mopar tow bar in Australia and USA. There may be others it works with so please confirm with Offroad Animal. Generally, only will work with one that mounts on the inside of the chassis rails. Does not work with Hayman Reese branded Tow bar.**
- 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: 2 hours

## 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.

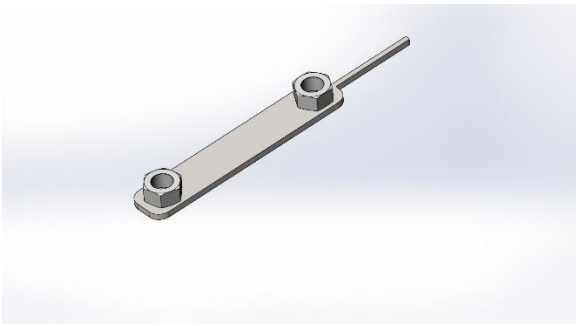
| FRONT BAR MOUNTS AND TOW POINTS<br>+ REAR TOWBAR |           |
|--------------------------------------------------|-----------|
| Size                                             | Torque Nm |
| M10                                              | 57 Nm     |
| M12                                              | 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                                                                               |
|----------|--------------------|------------------------|-------------------------------------------------------------------------------------|
| <b>1</b> | RB-JGC-WK2-11-ASM1 | WK2 REAR BAR           |   |
| <b>1</b> | RB-JGC-WK2-11-ASM2 | WK2 rear nut plate asm |  |

### Small Parts – Contained in Small Parts Kit Bag

| Qty      | Part Number         | Description                      |
|----------|---------------------|----------------------------------|
| <b>5</b> | M16 x 65            | M16 x 65 Hex ZP 8.8              |
| <b>1</b> | OFA-Logo            | Offroad Animal Metal Logo plate  |
| <b>1</b> | M16 x 2.0 N         | M16 x 2.0 Nut                    |
| <b>5</b> | M16 FW              | M16 Flat Washer Z/P              |
| <b>1</b> | M16 SW              | M16 Spring Washer                |
| <b>1</b> | Pinch Weld Black 3M | Pinch Weld Black 14mm x 9mm x 3M |

## TOOLS REQUIRED

The following tools will be required to install the product.

| Hand Tools                                                                                                                                                                                                                                                                                | Power Tools | Workshop Equipment |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|--------------------|
| <ul style="list-style-type: none"><li>-Trim Tool or flat head screw driver</li><li>- Side cutters</li><li>-T30 Torx Bit</li><li>- T20 Torx Bit</li><li>-10mm spanner or socket</li><li>-15mm Spanner or socket</li><li>-18mm Spanner or socket</li><li>- 23mm Spanner or socket</li></ul> |             | Lifting trolley    |

## 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.

|                                                                                                             |                                                                                                                                                                                                          |
|-------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p>Hearing Protection</p>  | <p>Always wear ear protection when using power tools.</p>                                                                                                                                                |
| <p>Eye Protection</p>      | <p>Ensure eye protection is always worn when cutting or drilling.</p>                                                                                                                                    |
| <p>Manual Handling</p>   | <p>Do not attempt to lift bar assemblies or rock sliders on your own.</p> <p>Always use two people to lift or use mechanical Lifting aid such as hydraulic lifting trolley.</p>                          |
| <p>Vehicle Support</p>   | <p>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.</p> |



|                                                                                          |                                                   |
|------------------------------------------------------------------------------------------|---------------------------------------------------|
| <div>1. Open tail gate and remove screw with T30 Torx bit shown on LH and RH side.</div> | <div>Tools Required</div> <div>T30 Torx bit</div> |
|                                                                                          | <div>Fasteners</div> <div>Retain for reuse</div>  |



2. Remove lower bolt on both sides with 10mm spanner or socket.

**Tools Required**

10mm spanner or socket

**Fasteners**

Retain only if you want to  
revert back to factory bumper  
one day



3. Pry off plastic rivets on both sides.

**TOOLS REQUIRED**

Trim tool or flat head screw  
driver

**FASTENERS**

None



4. Peel back flare and remove small screw with T20 Torx bit behind. Repeat for other side.

**TOOLS REQUIRED**

T20 Torx bit

**FASTENERS**

Retain only if you want to revert  
back to factory bumper



5. Remove Small bolt shown in middle, repeat for other side. Use 7mm spanner or socket

**TOOLS REQUIRED**

7mm Spanner or Socket

**FASTENERS**

Retain for reuse



6. Remove screw with 10mm Socket or spanner, repeat for other side.

**TOOLS REQUIRED**

10mm socket or spanner

**FASTENERS**

Retain for later use



7. Pull flare aside with use of flat screwdriver on each clip to release from body. Repeat for other side.

**TOOLS REQUIRED**

Flat head screw driver

**FASTENERS**



8. With help of a friend pull bumper off Jeep

**TOOLS REQUIRED****FASTENERS**



9. Unplug loom for rear fog lights and rear parking sensors if fitted.

**TOOLS REQUIRED****FASTENERS**



10. Remove Tow point on LHS of Jeep using 18mm and 23mm spanners or sockets.

**TOOLS REQUIRED**

18mm socket or spanner  
23mm socket or spanner

**FASTENERS**

Discard fasteners



11. Remove Tow point

12. Remove fasteners for LH muffler and let it hang using 15mm socket

**TOOLS REQUIRED**

15mm socket or spanner

**FASTENERS**

Retain for later use

|                                                                                                                 |                              |
|-----------------------------------------------------------------------------------------------------------------|------------------------------|
|                               |                              |
| <p>13. Remove rear bumper reinforcement if fitted. If you already have a tow bar this will already be gone.</p> | <p><b>TOOLS REQUIRED</b></p> |
|                                                                                                                 | <p><b>FASTENERS</b></p>      |

|                                                                                                             |                                                                                                     |  |
|-------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------|--|
|                          |                                                                                                     |  |
| 14. Split lower section of bumper from upper section. Use pry tool, flat head screw driver and T20 Torx bit | <b>TOOLS REQUIRED</b><br><br>Flat head screw driver<br>or<br>Pry tool/Trim tool<br><br>T20 Torx Bit |  |
|                                                                                                             | <b>FASTENERS</b>                                                                                    |  |



15. Reinstall upper bumper section and refit all hardware removed.

**TOOLS REQUIRED****FASTENERS**



16. Install pinch weld on top and side edges of steel rear bar. Trim extra length off with side cutters.

**TOOLS REQUIRED**

Side cutters

**FASTENERS**



17. With the help of that friend of yours, lift the bar onto the vehicle while one lies underneath and starts all the bolts.

Here you will also put the nut plates into the chassis and secure with M16 fasteners.

Use 23mm spanner or socket.

**TOOLS REQUIRED**

23mm Spanner or socket

**FASTENERS**

RB-JGC-WK2-11-ASM2



18. Use M16 bolts, spring washer then flat washer through Offroad Animal rear bar, Jeep chassis then through tow bar (if fitted) and secured into Nut plates.
19. Reuse bolts from factory point to secure bottom of LHS mount.

**TOOLS REQUIRED**

23mm Socket of spanner

**FASTENERS**

M16 x 65 (2)

M16 FW (2)

M16 SW (2)

Re-use Factory bolts



20. Repeat for RHS, and use 1 x M16 nut on inside of chassis and bolt from underneath.
21. Once you're happy with position of bumper on Jeep, torque down all bolts.

**TOOLS REQUIRED**

23mm Spanner or Socket

**FASTENERS**

M16 x 65 (3)  
M16 FW (3)  
M16 SW (3)  
M16 Nut



22. Trim felt liner to suit new bar with box cutter.

**TOOLS REQUIRED**

Box Cutter

**FASTENERS**



23. Peel off backing to Offroad Animal Logo and place on visible edge of bumper.

**TOOLS REQUIRED****FASTENERS**



24. You're all done, go out and enjoy the new rear end protection you have.

**TOOLS REQUIRED****FASTENERS**