



UNIVERSAL PREDATOR FRONT BAR RALLY HOOP

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 bar component please contact OFFROAD ANIMAL to arrange repair/replacement of components.
- 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.
- **Approx. Install Time 15 minutes**

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 fasteners, unless otherwise specified.

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.

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

TOOLS REQUIRED

The following tools will be required to install the product.

Hand Tools	Power Tools	Workshop Equipment
Hex (Allen) Key 4mm Hex (Allen) Key 8mm Metric Socket/Spanner 10mm Metric Socket/Spanner 13mm	N/A	N/A

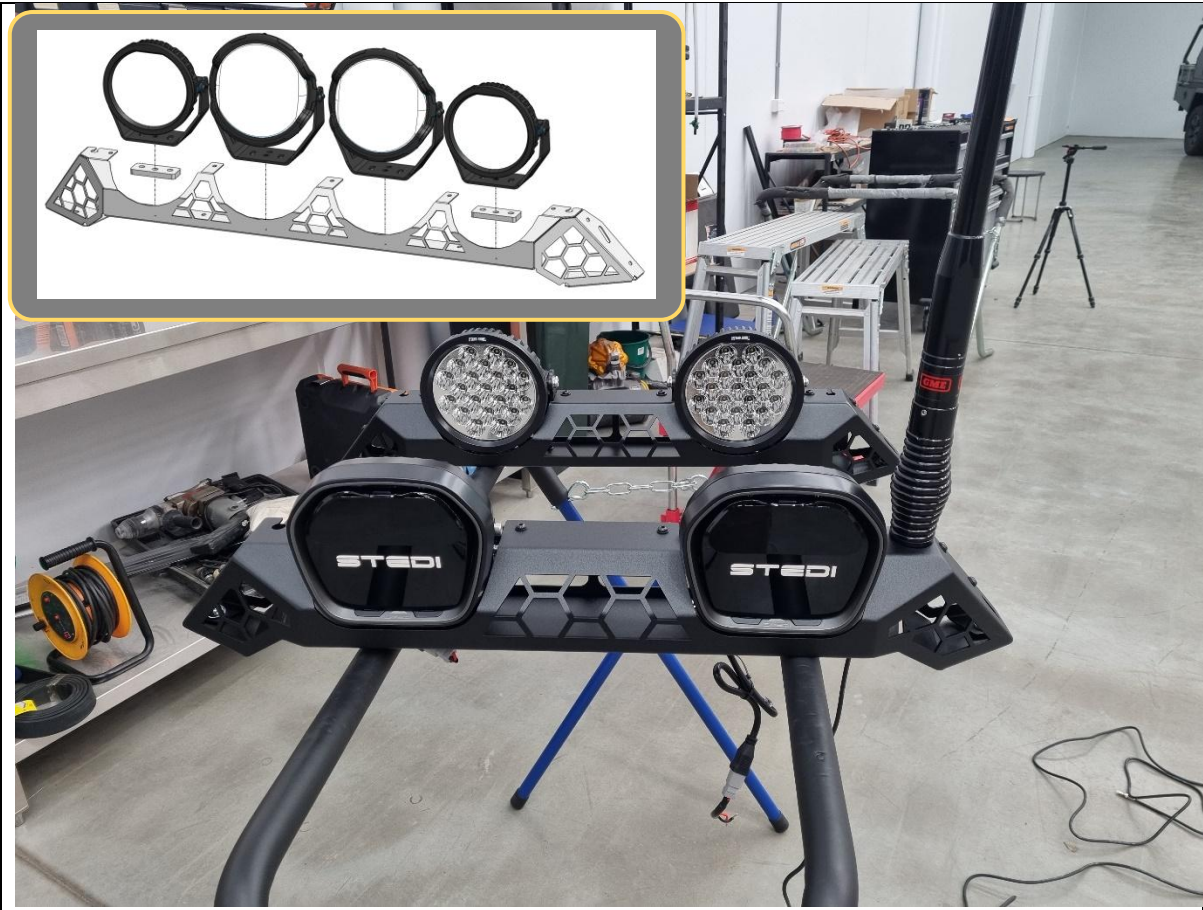
WORKSHOP SAFETY

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.

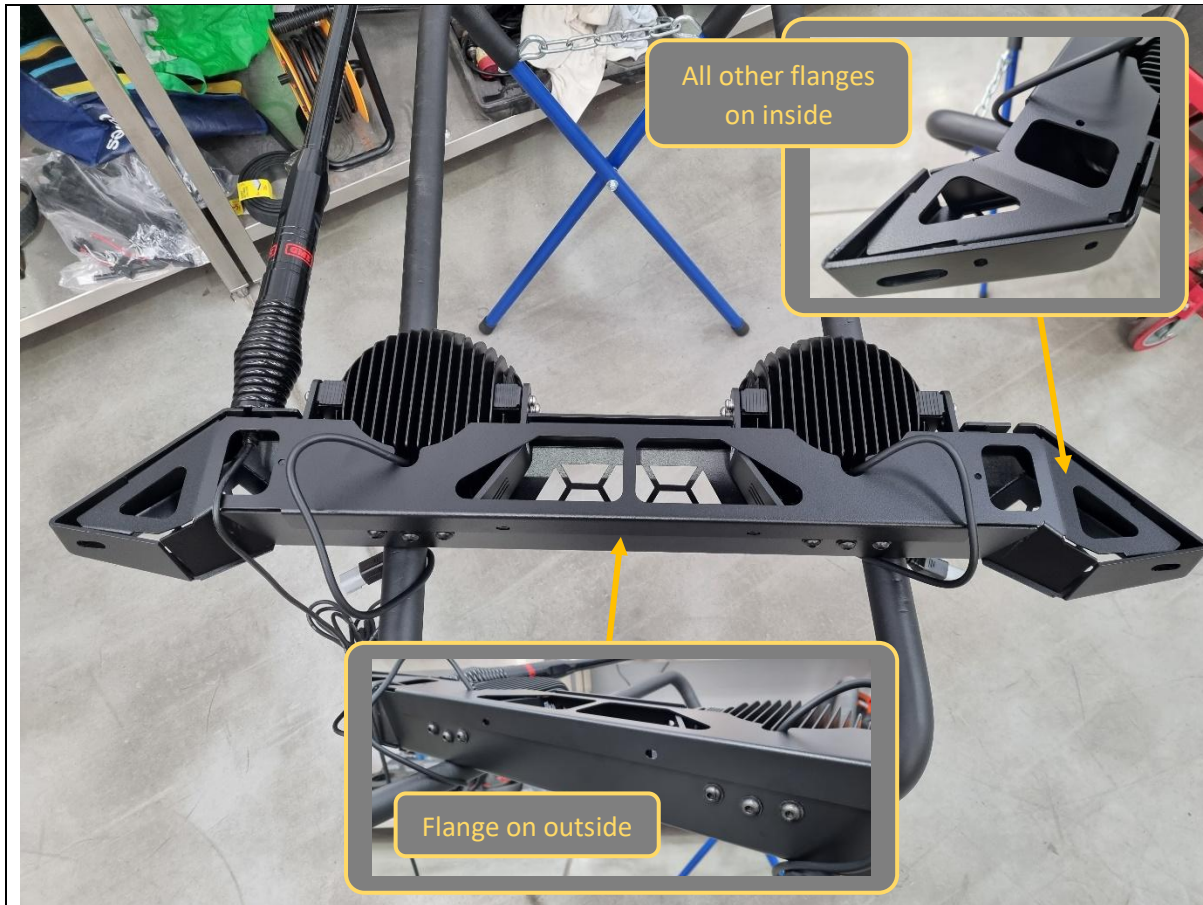
Hearing Protection 	Always wear ear protection when using power tools.
Eye Protection 	Ensure eye protection is always worn when cutting or drilling.
Manual Handling 	Do not attempt to lift bar assemblies or rock sliders on your own. Always use two people to lift or use mechanical Lifting aid such as 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. Start by assembling mounting brackets supplied with driving lights. 2. Adjust the driving lights so that they are point straight forward, perpendicular to the ground.	TOOLS REQUIRED Refer to instructions supplied with driving lights
	FASTENERS Supplied with driving lights

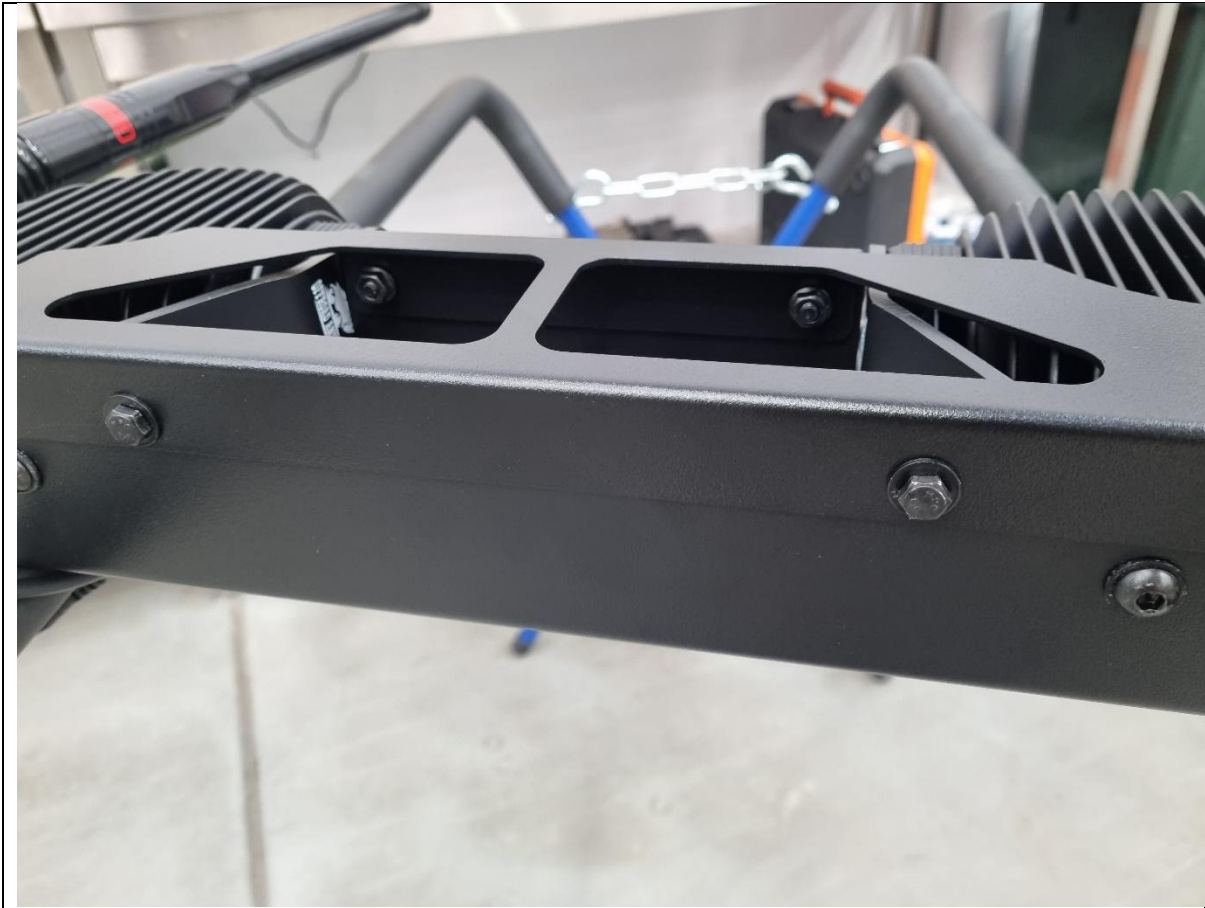


3. Fit the driving lights to the front section of the rally hoop. 4. Quad Rally Hoop only. Also insert supplied P-0338 10mm spacer blocks between the 7" Butt kicker driving lights and the rally hoop. 5. If fitting an antenna, do so now using either of the 2x holes provided on the outer ends of the rally hoop.	TOOLS REQUIRED Refer to instructions supplied with driving lights Refer to instructions supplied with antenna
	FASTENERS Supplied with driving lights Supplied with antenna



6. Insert the rear section of the rally hoop onto the back of the front section. Due to manufacturing variances, you may need to bend the flanges a little bit to get it to fit.
7. All the flanges of the rear section fit inside of the front section, except for the main bottom flange. This sits on the outside of the front section.
8. If an antenna is fitted, route the cable through the opening in the rear section.
9. Route the cables of the driving lights via the open ended slots in the rear section.

TOOLS REQUIRED**FASTENERS**



10. Loosely secure the bottom flange of the rear section to the front section with 2x M6x20 hex bolts, flat washers and flange nuts.
11. **Quad Rally Hoop only.** 3x M6x20 hex bolts, washers and flange nuts are required instead.
12. **LC300 Rally Hoop only.** Use 2x M6x16 black button head bolts instead of 2x M6x20 hex bolts.

TOOLS REQUIRED**FASTENERS**

M6x20 hex bolt
or
M6x16 black button head

M6 flat washer
M6 flange nut



13. Loosely secure the remaining holes across the top faces with 8x M6x16 black button head bolts, flat washers and flange nuts. 14. Quad Rally Hoop only. 9x M6x16 black button head bolts, washers and flange nuts are required instead.	TOOLS REQUIRED
	FASTENERS M6x16 black button head M6 flat washer M6 flange nut



15. Align the front and rear sections so that the 2x bottom mounting slots (1x per side) are perfectly in line. 16. Once aligned, tighten all M6 bolts.	TOOLS REQUIRED 4mm hex/Allen key 10mm socket/spanner
	FASTENERS



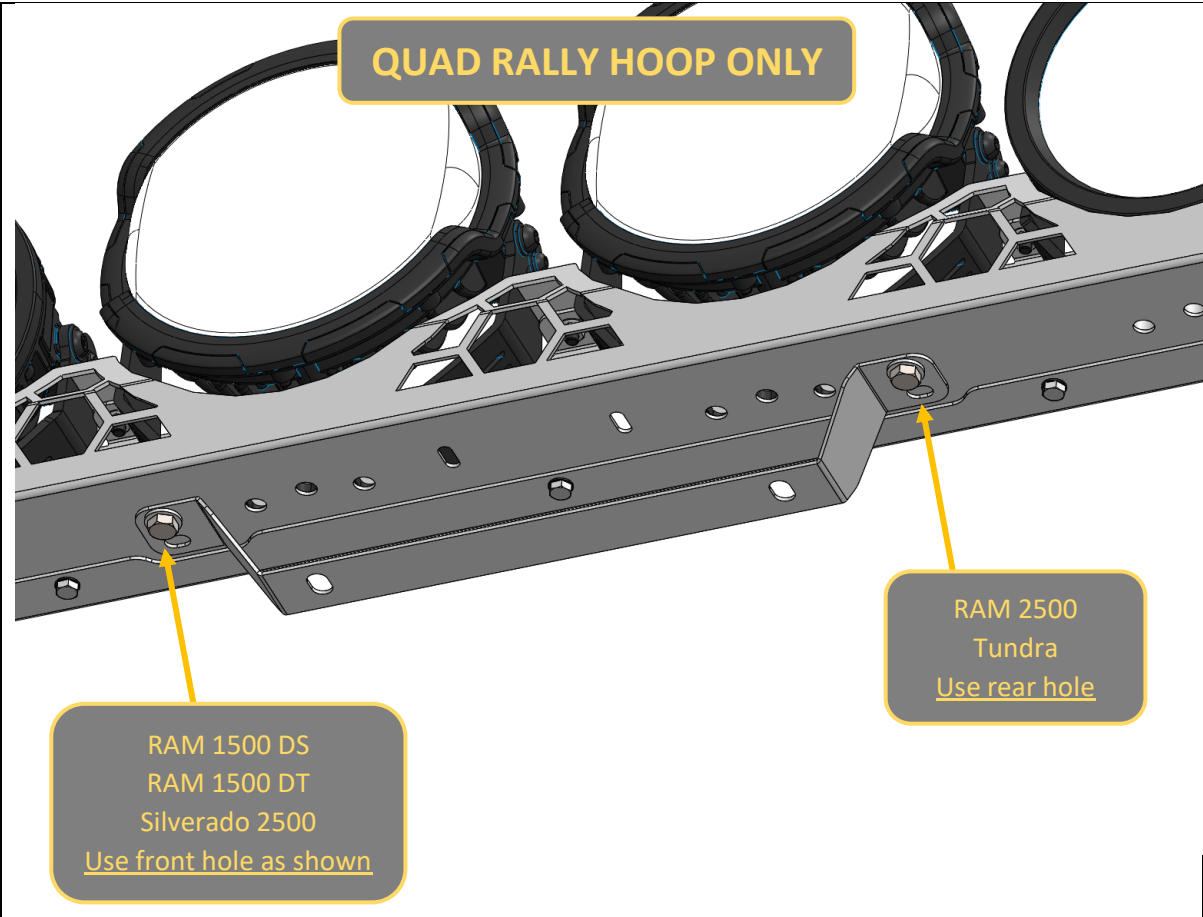
17. On some rally hoops/vehicles, there is the option to relocate the front camera onto the rally hoop, so that the view is not obstructed.
18. Fit the camera relocation bracket to the 2x holes on the bottom of the rally hoop and secure with 2x M6x16 black button head bolts, washers and flange nuts.

TOOLS REQUIRED

4mm hex/Allen key

FASTENERS

2x M6x16 black button head
2x M6 black flat washer
2x M6 flange nut



19. Quad Rally Hoop only. Fit the B-1061 centre support to the bottom of the rally hoop. There are 2x pairs of holes provided. Refer to image above for which holes to use, depending on the bullbar. This information is accurate at time of writing. If your bullbar is not listed, test fit the rally hoop on top of the bullbar and determine best holes to use. Note: In side view, the base of the support is angled backwards. 20. Quad Rally Hoop only. Secure the centre support to the rally hoop with 2x M8x20 hex bolts, flat washers and flange nuts.	TOOLS REQUIRED 13mm socket/spanner
	FASTENERS 2x M8x20 hex bolt 2x M8 flat Washer 2x M8 flange nut



21. Position the rally hoop on top of the bullbar.
22. Secure the outer corners of the rally hoop to the bullbar using 2x M10x30 socket head cap screws, spring washers (if supplied), flat washers and flange nuts. 1x bolt per side.

Use the access hole on top for inserting tools to tighten the bolts.

23. **LC300 Rally Hoop only.** An additional 2x M10 bolts are required (1x per side).

TOOLS REQUIRED

8mm hex/Allen key

FASTENERS

M10x30 socket head screw
M10 spring washer
M10 flat washer
M10 flange nut



24. **Quad Rally Hoop only.** Secure the centre support to the bullbar with 2x M8x20 hex bolts, flat washers and flange nuts.

TOOLS REQUIRED

13mm socket/spanner

FASTENERS

2x M8x20 hex bolt
2x M8 flat Washer
2x M8 flange nut



Congratulations!
Head for the tracks and light up the darkness in style with your Rally Hoop and driving lights!