

## Jeep Grand Cherokee WL 2022-on and

## Jeep Grand Cherokee L 2021-on

## **Predator Front Bar**

## **IMPORTANT! – READ BEFORE INSTALLATION**

- When installed in accordance with these instructions, the front protection bar does not affect the operation of the vehicles SRS airbags.
- 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.
- 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.

## **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	FB-JGC- WL-22-PR- ASM1	WL Predator Bar Welded Assembly	
1	FB-JGC- WL-22-PR- ASM2	WL Mesh Fairlead Assy	
1	FB-JGC- WL-22-PR- ASM3R	WL Impact Assembly RH	
1	FB-JGC- WL-22-PR- ASM3L	WL Impact Assembly LH	

1	M-0002R	Light Cover Mesh	
1	M-0002L	Light Cover Mesh	
1	B-0821	WL ACC Radar Bracket	
1	B-0822	WL Predator Number Plate Bracket	
	1	Suitable for	Overland/Trailhawk models
1	B-0827R	WL Predator Fog Light Bracket	
1	B-0827L	WL Predator Fog Light Bracket	
1	B-0829	WL Predator Pan Brace	
1	B-0830R	WL Predator Headlight Infill Panel	
1	B-0830L	WL Predator Headlight Infill Panel	

1	B-0833R	WL Predator Front Mount Chassis Brace	
1	B-0833L	WL Predator Front Mount Chassis Brace	
1	B-0835	WL Predator Camera Relocation Bracket	
	Suitable for	Night Eagle/Laredo/A	Ititude/Limited/Summit/Summit Reserve models
1	B-0880R	WL Predator Halo Fog Bracket	
1	B-0880L	WL Predator Halo Fog Bracket	
1	B-0881R	WL Predator Side Radar Bracket	
1	B-0881L	WL Predator Side Radar Bracket	
1	B-0882	WL Winch Control Box Relocation Bracket	

1	B-1074	WL Predator 4xe Pedestrian Speaker Bracket	
2	P-0283	WL Predator Side Radar Cover Mount Plate	
1	U-0062	WL Predator Bash Plate	
1	U-0063R	WL Predator Side Underpanel	
1	U-0063L	WL Predator Side Underpanel	
1	7922AM2	LED AutoLamps 7922 Amber Side Marker Twin Pack	
6	F-0015	Chevrolet/Jeep Sensor Holder – Straight	
1	N-0007	WL ACC Radar Cover Panel	

1	N-0008R	WL Side Radar Cover Panel			
1	N-0008L	WL Side Radar Cover Panel			
1	FB-JGC- WL-22-PR- ADRCP	ADR Compliance Plate WL Grand Cherokee	HISTORY ANNALLY ENFORCE COURT HISTORY CONTACT (178), MIS HISTORY CONTACT (178), MIS		
1	OFA-LOGO	Offroad Animal Metal Logo			
1	TK-COM- PSEN-6	Tape Kit - 6 Sensor Universal	Addition of the second s		
1	TK-FB-THL- N80-15	Tape Kit - Hilux N80, 3M 5952, 2x 25x8mm	Tree Intrasta		
	USA Market ONLY				
6	СРНРО29	Plastic Hole Insert, 17.4MM, Black, Tigerlink Hardware CPHP029			

## Small Parts – Contained in Small Parts Kit Bag

	Sinair arts cor		
Qty	Part Number	Description	
4	M3X12 PAN	SCREW, PAN HEAD PHILLIPS, M3X12X0.5 GR4.6 ZP	
4	M3 FLAT WASHER	Flat Washer M3, 7mmODx0.5mm T	
4	M3 NUT	Hex Nut, M3x0.5 G48.8 ZP	
8	M4X20 PAN	SCREW, PAN HEAD PHILLIPS, M4X20X0.7 GR4.6 ZP	
8	M4 FLAT WASHER	Flat Washer M4, 8mmODx0.8mm T	
8	M4 FLANGE NUT	Flange Nut, M4	
2	M5X20 PAN	SCREW, PAN HEAD PHILLIPS, M5X20X0.8 GR4.6 ZP	
2	M5 X 20 HEX	M5X20 HEX BOLT, ZP, 8.8	
		SCREW, BUTTON HEAD CAP, M5X15X0.8 GR12.9	
4	M5X15 BHCS BZP	ISO4042 ZnNi BLACK PASSIVATED FINISH	
4	M5 Flat washer	M5 FW	
		M5 Flat Washer, 10x5.3x1, ISO4042 ZnNi BLACK	
4	M5 Flat washer BZP	PASSIVATED FINISH	
8	M5 FLANGE NUT	Flange Nut, M5x0.8 G8.8 ZP	
<b>F</b> 2		SCREW, BUTTON HEAD CAP, M6X16X1 GR12.9,	
53	M6x16 BHCS BLACK ZINC	ISO4042 ZnNi BLACK PASSIVATED FINISH	
<b>F</b> 2	M6 FLAT WASHER BLACK	M6 Flat Washer, 12x6.1x1, ISO4042 ZnNi BLACK	
53	ZINC	PASSIVATED FINISH	
35	M6 FLANGE NUT	Flange Nut, M6x1 G8.8 ZP	
18	M6CN3MM	CAGE NUT M6x2.6-3.5	
4	M8 X 12 HEX	Bolt Hex, M8X12X1.25, GR8.8 ZP	
7	M8 X 20 HEX	Bolt Hex, M8X20X1.25, GR8.8 ZP	
2	M8 X 40 HEX	Bolt Hex, M8X40X1.25, GR8.8 ZP	
2	M8 X 16 BHCS BZP	SCREW, BUTTON HEAD CAP, M8X16X1.25 GR12.9,	
2		ISO4042 ZnNi BLACK PASSIVATED FINISH	
4	M8 X 20 BHCS BLACK ZINC	SCREW, BUTTON HEAD CAP, M8X20X1.25, ISO4042	
	WIS X 20 BITCS BLACK ZINC	ZnNi BLACK PASSIVATED FINISH	
9	M8 FLAT WASHER	M8 FW	
6	M8 HD FLAT WASHER	M8 FLAT WASHER - High Tensile 19x8x1.9mm	
6	M8 FLAT WASHER- BLACK	M8 FLAT WASHER, 16.5x8.4x1.2, ISO4042 ZnNi BLACK	
	ZINC	PASSIVATED FINISH	
2	M8 NYW	Washer, M8, Nylon	
7	M8 FLANGE NUT	Flange Nut, M8x1.25 G8.8 ZP	
2	M8 NYLOC	NYLOC SELF LOCKING NUT, ST STL A2 ISO	
8	M10 x 25	Bolt Hex, M10X25x[1.5], GR8.8 ZP	
8	M10 Flat Washer	M10 FW	
8	M10 FLANGE NUT	Flange Nut, M10x1.5 G8.8 ZP	
8	M12X30	Bolt Hex, M12X30x1.75, GR8.8 ZP	
10	M12 FW LHD	M12 FW Large Heavy Duty	
6	M12 FLANGE NUT	Flange Nut, M12x1.75 G8.8 ZP	
2	M12 Nyloc nut	M12 NYLOC NUT	
2	M14X150 GR10.9	Bolt Hex, M14X150x2.0, GR10.9 ZP	
2	M14 FW LHD	WASHER, FLAT M14X30X3.8 ZP	
2	M14 FLANGE NUT	Flange Nut, M14x2.0 G8.8 ZP	
2	NP-COM-M8-200-ASM0	M8 Nut Plate 200mm	
2	P-0282	WL Predator Front Mount Chassis Brace Backing Plate	
2	T-0063	WL Predator Crush Tube 122mm	

## **TOOLS REQUIRED**

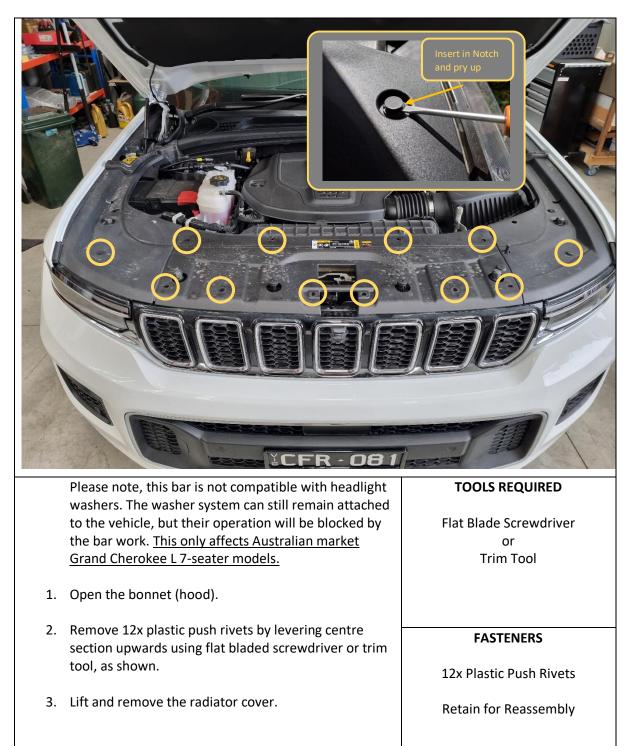
The following tools will be required to install the product.

Hand Tools	Power Tools	Workshop Equipment
Metric Socket Set 5.5-19mm	Electric/Air Impact	Masking Tape
	Driver (Optional)	
13/32" Imperial Socket		Marker Pen
(optional)	Power drill	_ 1
Contract Enternation Dev		Ruler
Socket Extension Bar	Air Hacksaw	Isopropyl Alcohol
Metric Spanner Set 5.5-19mm	or Oscillating Multi Tool	Isopropyl Alcohol
Wethe spanner set 5.5-191111	Or	Rag
Hex (Allen) Key Set 4-6mm	Angle Grinder	Nug
	or	Cable Ties
Torx Key Set	Jigsaw	
		Panel Stand
Trim Removal Tool	Soldering iron	or
	or	Soft Blanket
Plastic Auto Trim Tool Set	Heat gun (optional)	
		Crimp terminals
Flat Blade Screwdriver Set		or
Dhilling Lload Scroudriver Set		Solder wire
Phillips Head Screwdriver Set		or Solder splice
Utility Knife		Soluer splice
		Lifting trolley (optional)
Side Cutters		
Pliers		
Drill bit set		
Crimping tool (optional)		

# 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.





- 4. Remove 6x T40 Torx screws from the top of the grille.
- 5. Remove 2x 10mm hex head bolts from the top of the grille.

## TOOLS REQUIRED

T40 Torx driver

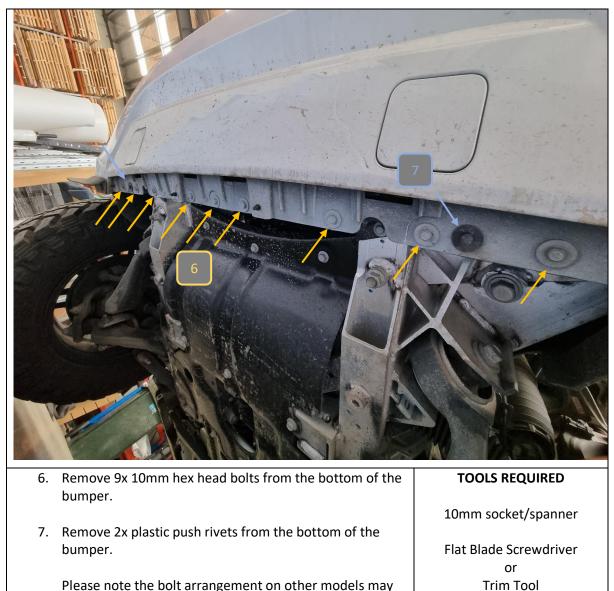
10mm socket/spanner

## FASTENERS

6x T40 Torx screws

2x 10mm hex head bolts

Retain for Reassembly



Please note the bolt arrangement on other models may be different to the Overland shown. In any case, remove all fasteners on the bottom of the bumper.

FASTENERS

9x 10mm hex head bolts

2x Plastic Push Rivets

Retain for Reassembly

## 2022-on Jeep Grand Cherokee Predator Front Bar



- 8. On each side, remove 8x 8mm hex head screws securing the wheel arch liner to the bumper/quarter panel.
- 9. Also remove 2x 10mm hex head bolts securing the back of the wheel arch liner to the body.

#### **TOOLS REQUIRED**

8mm socket/spanner or Phillips Head screwdriver

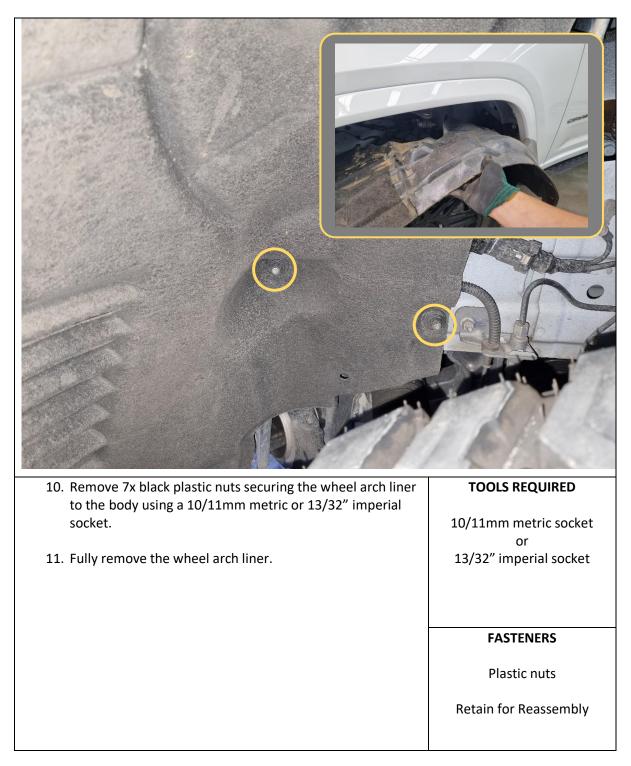
10mm socket/spanner

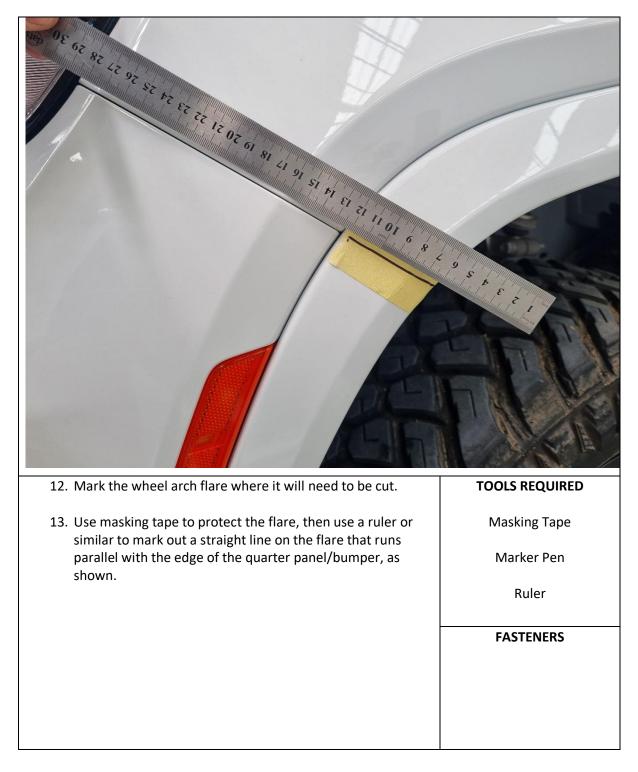
#### FASTENERS

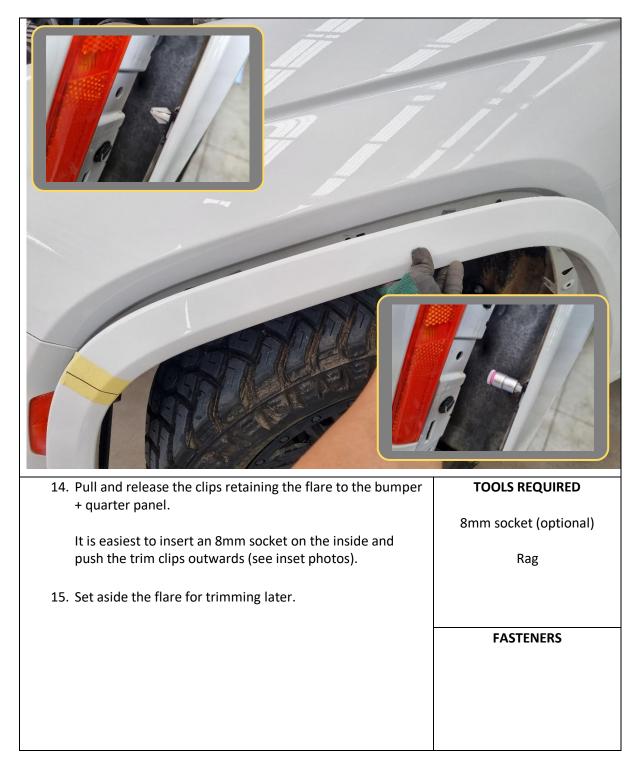
8x 8mm hex head bolts (per side)

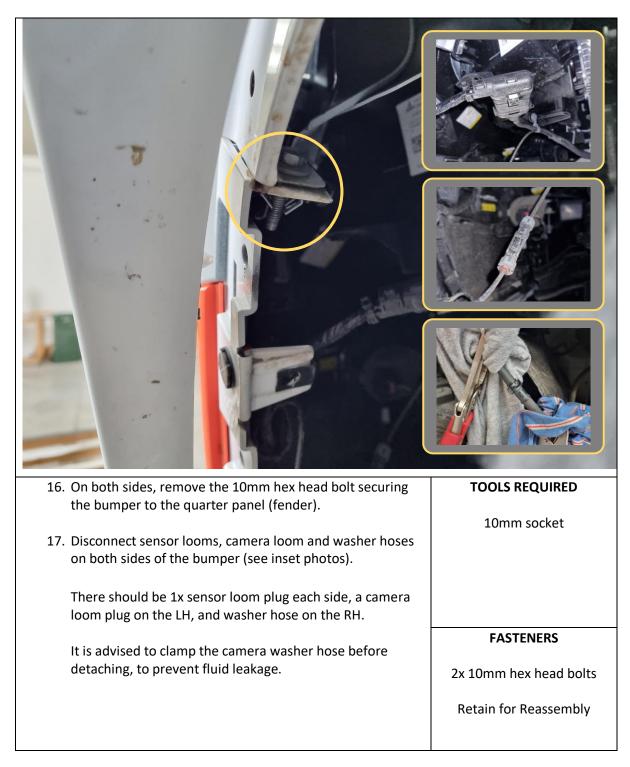
2x 10mm hex head bolts (per side)

Retain for Reassembly

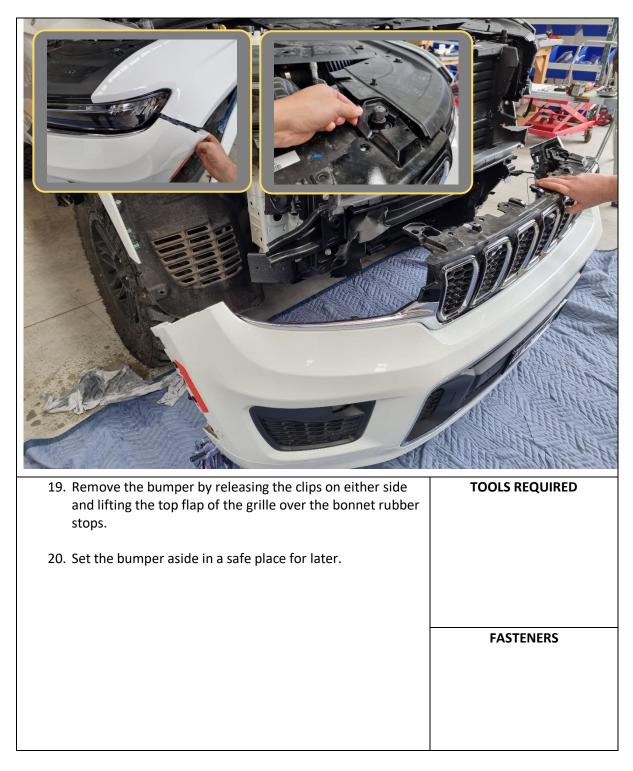


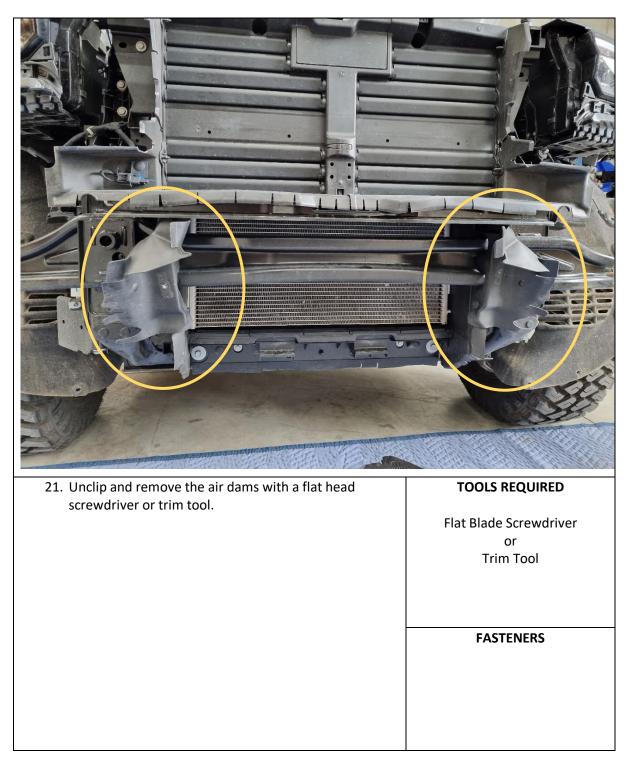




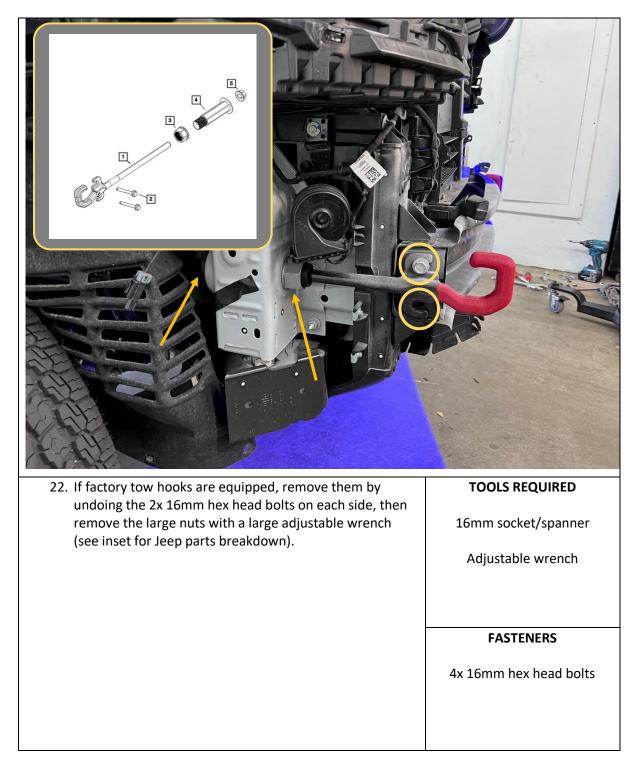


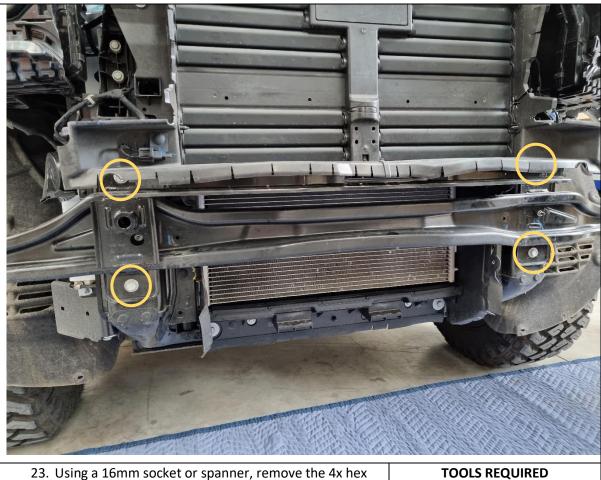
18. If headlight washers are equipped, pull out the plastic cover cap and unclip it from the plastic washer stem.	TOOLS REQUIRED
	FASTENERS





## 2022-on Jeep Grand Cherokee Predator Front Bar





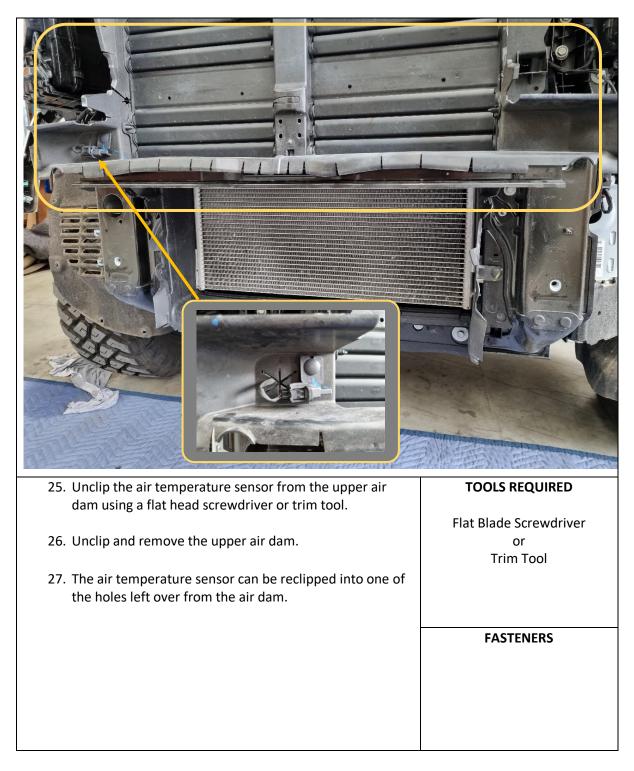
- 23. Using a 16mm socket or spanner, remove the 4x hex head bolts securing the impact beam to the body.
- 24. Retain fasteners for bar assembly.

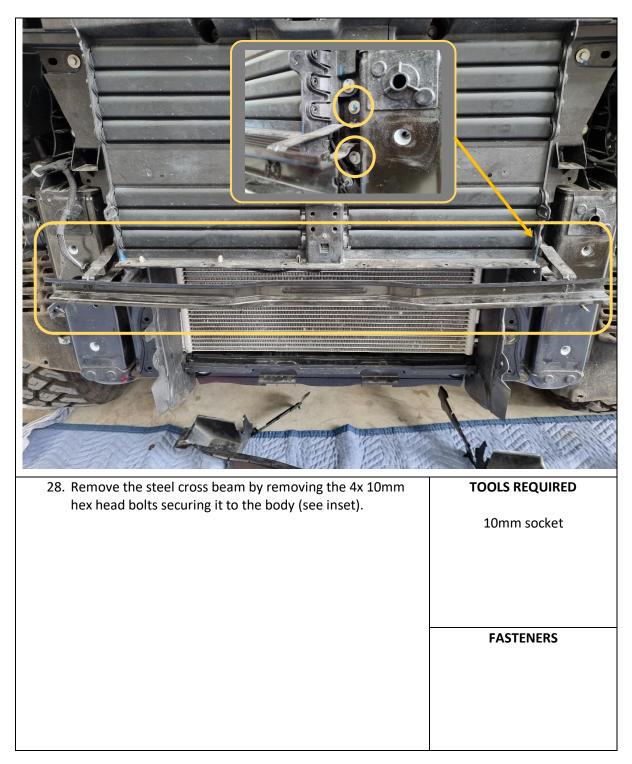
16mm socket/spanner

FASTENERS

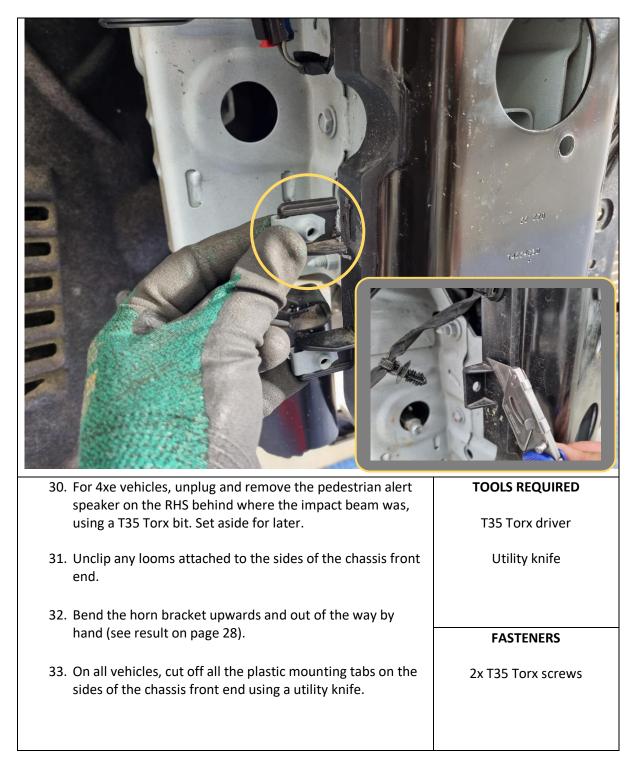
4x 16mm hex head bolts

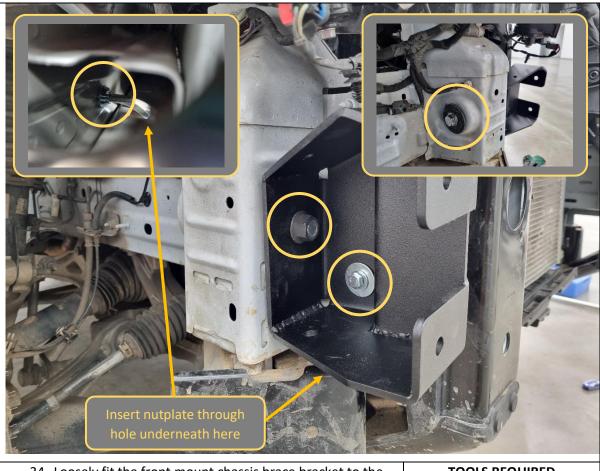
Retain for reassembly











- 34. Loosely fit the front mount chassis brace bracket to the body with 1x M8 lollipop nutplate through the rectangular hole (see left inset) and 1x M8x40 hex head bolt + heavy duty flat washer.
- 35. Also loosely secure the bracket at the rear with 1x M14x150 hex head bolt, flat washer, large black backing plate, 122mm crush tube and flange nut. Feed the bolt with crush tube through the large hole at the rear (see right inset).
- 36. Repeat for other side.

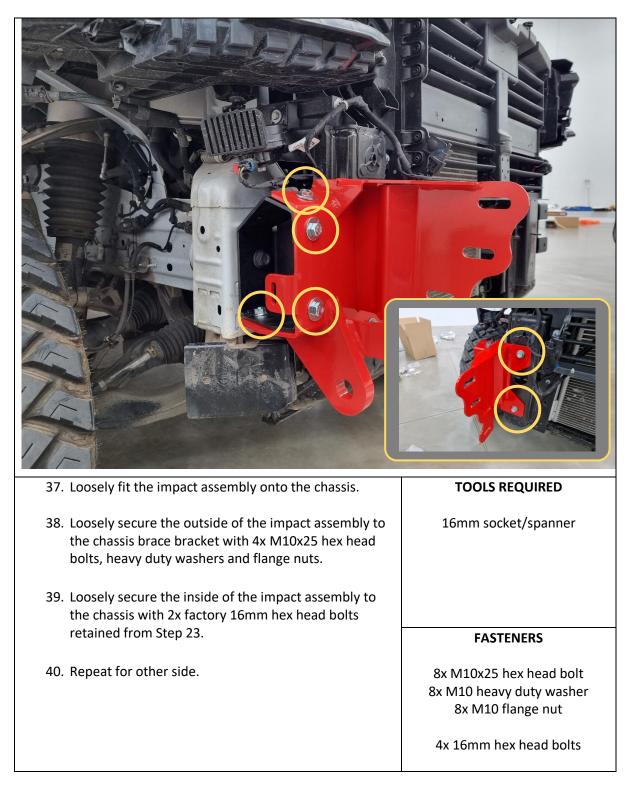
## **TOOLS REQUIRED**

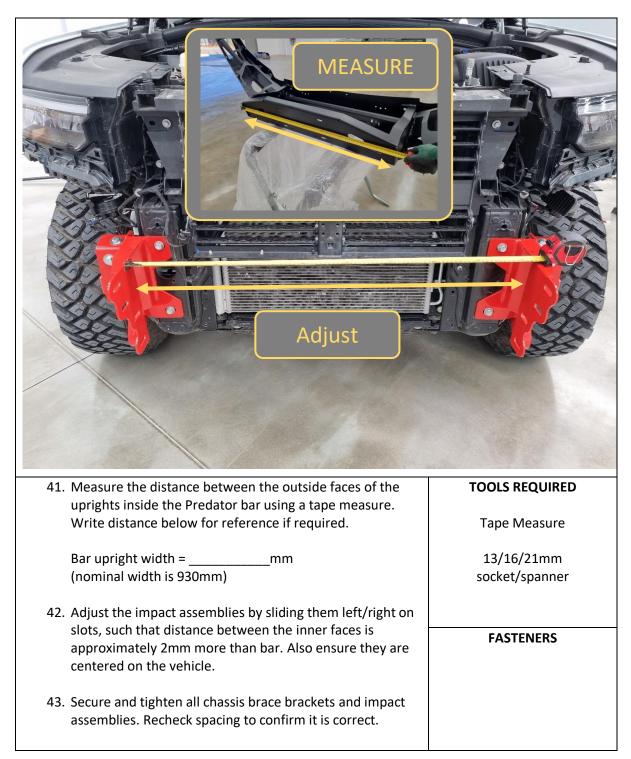
13mm socket/spanner 21mm socket/spanner

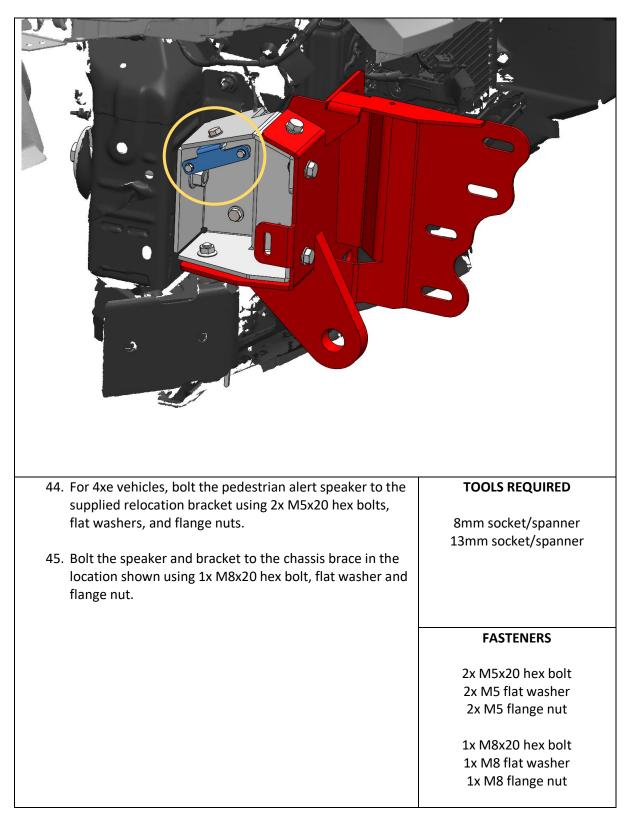
## FASTENERS

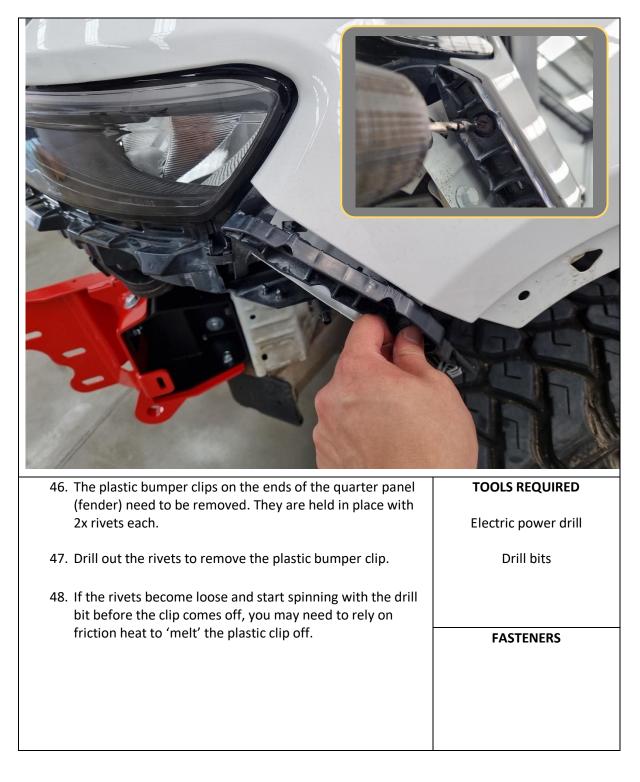
1x M8x40 hex head bolt 1x M8 heavy duty washer 1x M8 lollipop nutplate

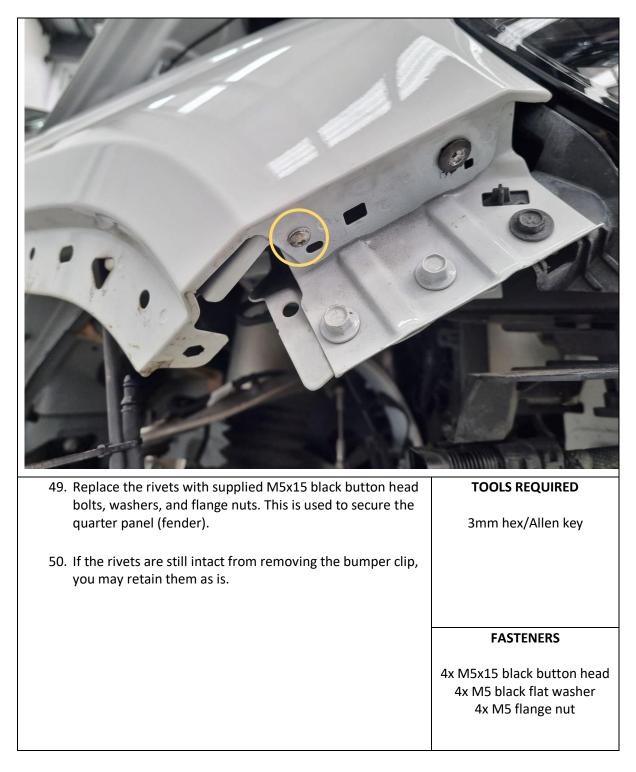
1x M14x150 hex head bolt 1x M14 flat washer 1x P-0282 backing plate 1x T-0063 122mm crush tube 1x M14 flange nut

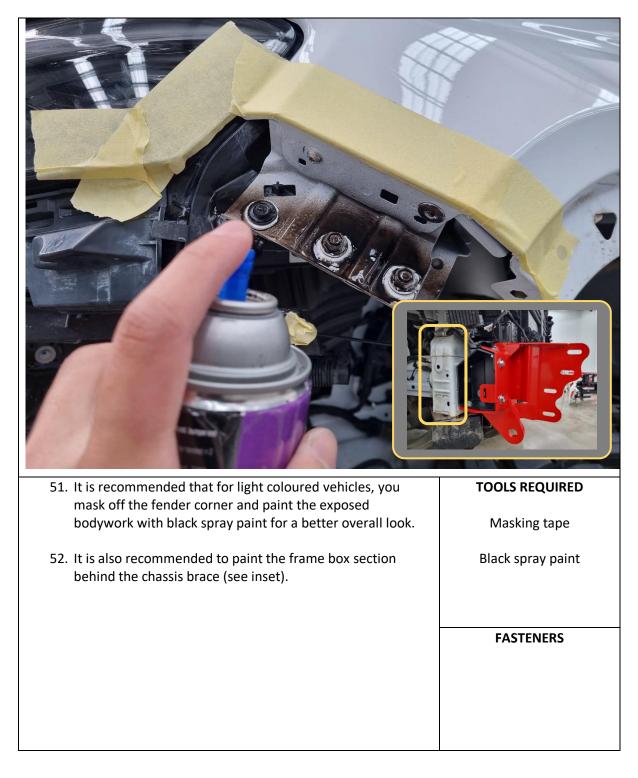






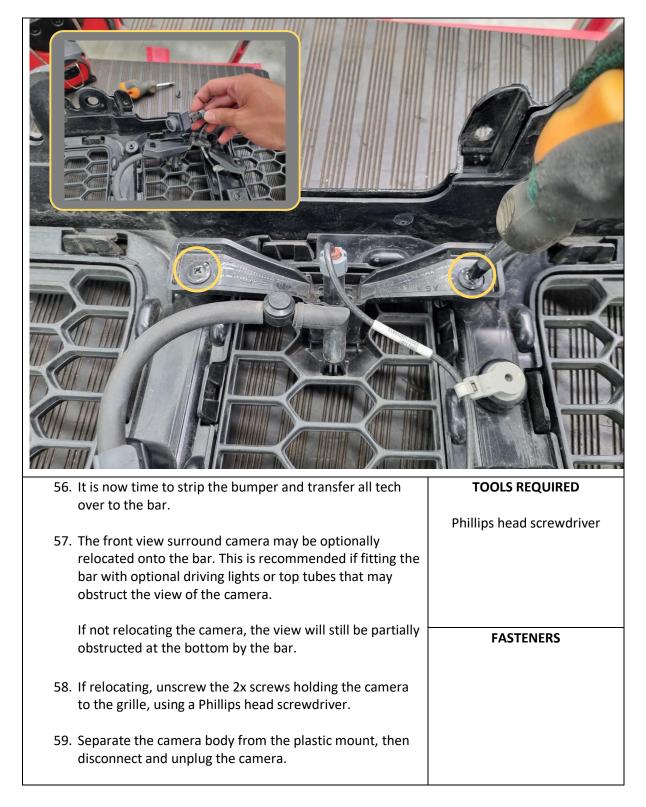


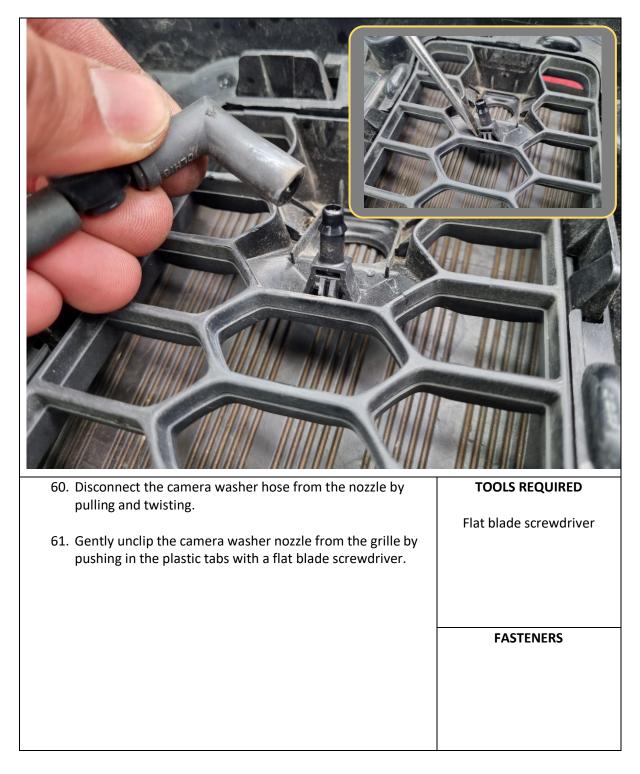




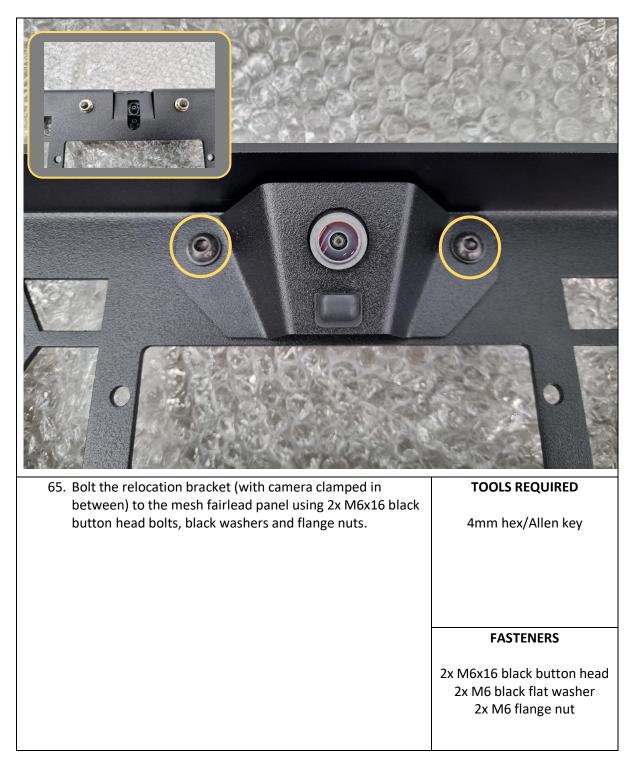


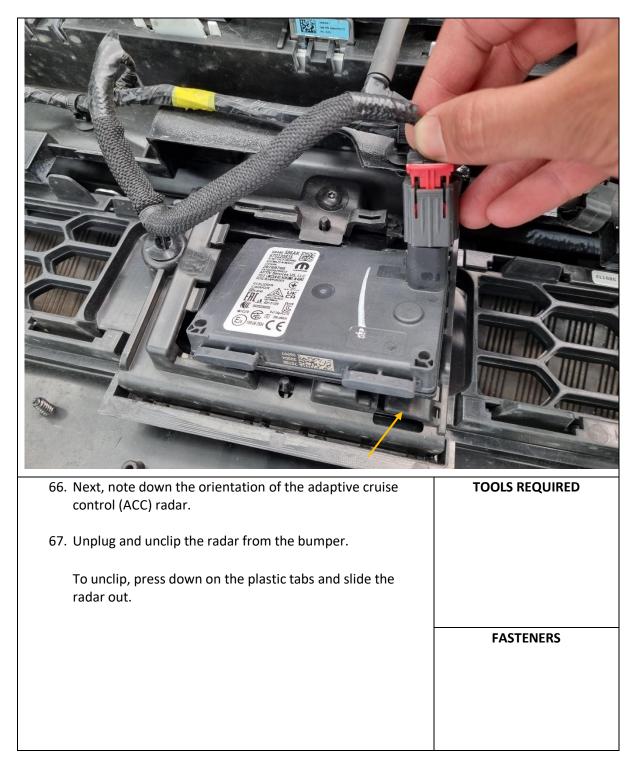




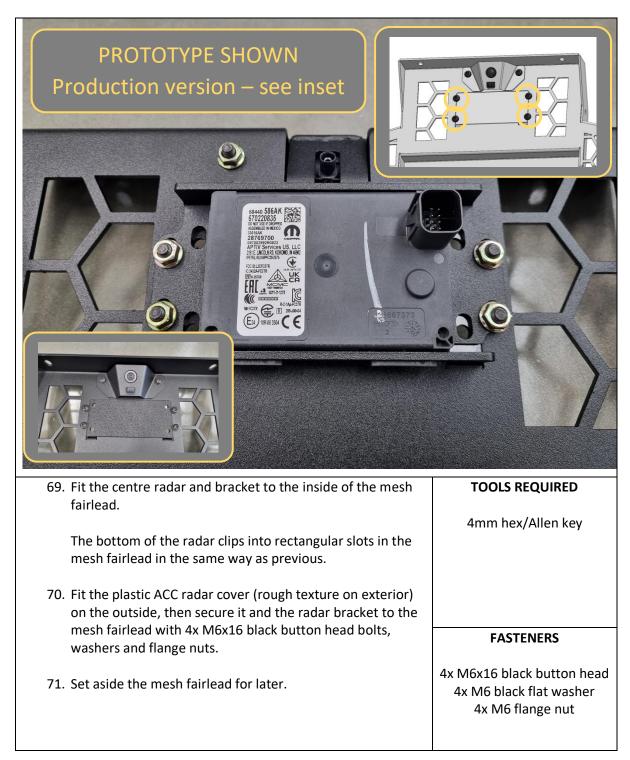


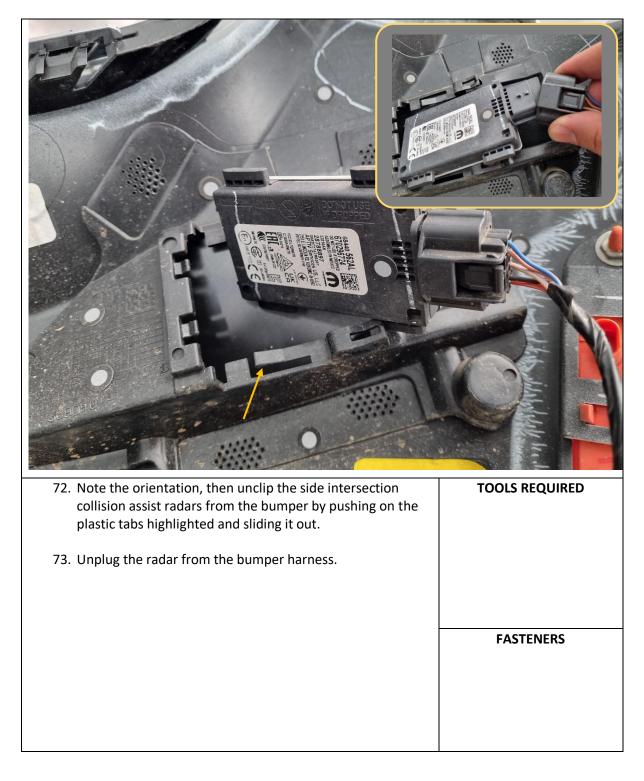
62. Clip the washer nozzle into the supplied camera relocation bracket, with the nozzle opening pointing up towards the camera hole.	TOOLS REQUIRED
<ul><li>63. Place the camera body in position with the lens poking through the hole in the bracket.</li></ul>	
64. Ensure the camera orientation matches the image shown with the plug in the bottom.	FASTENERS



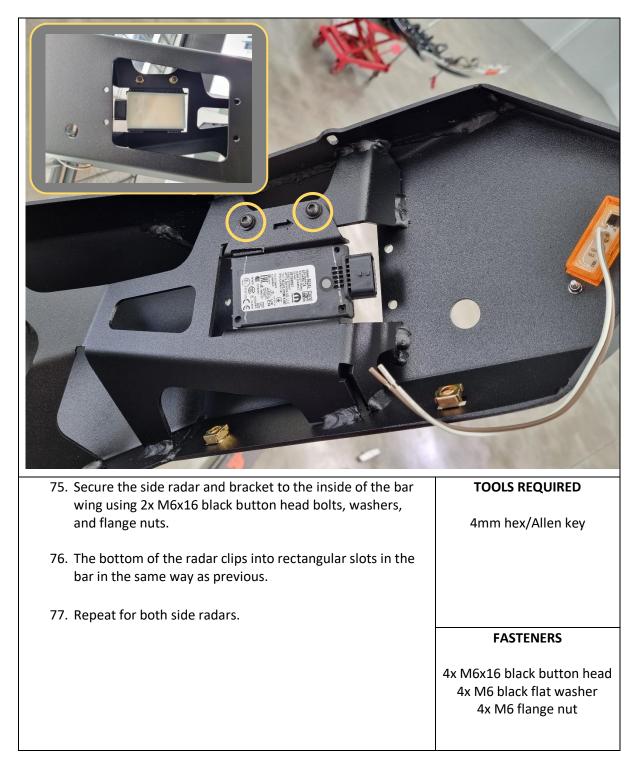


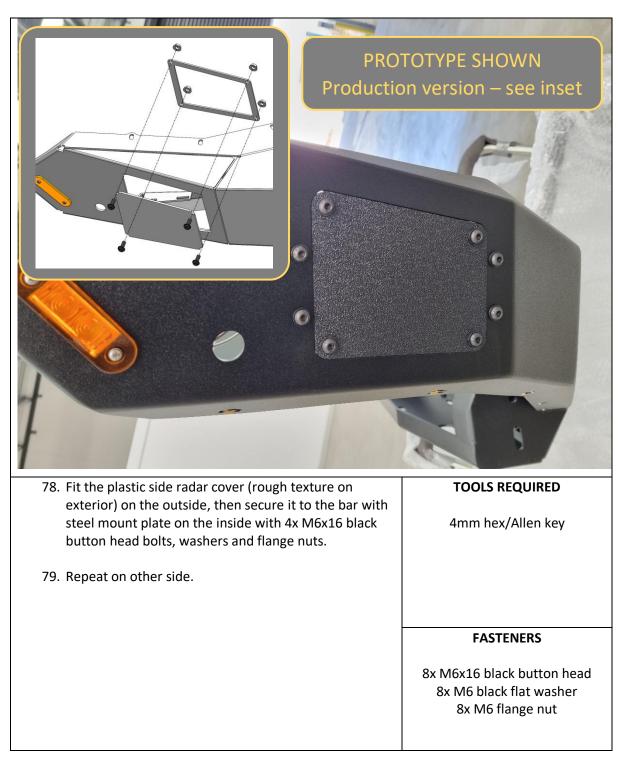


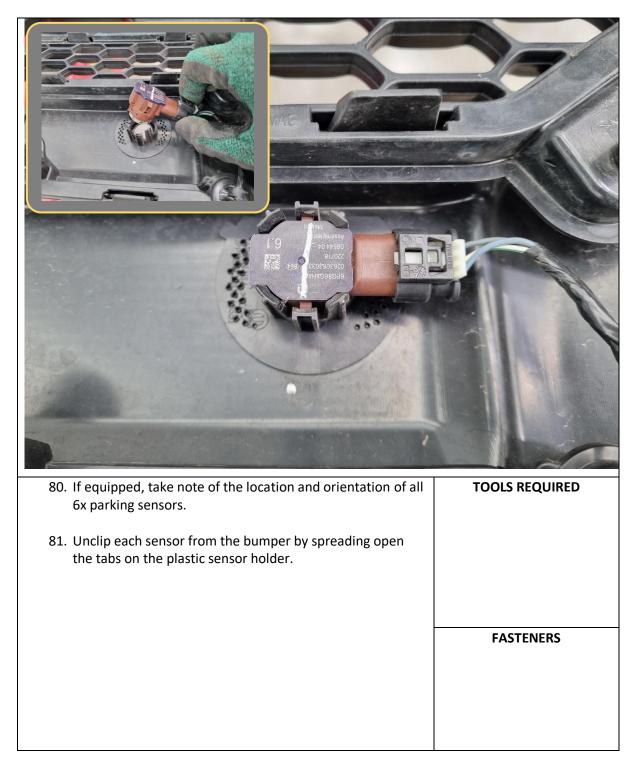


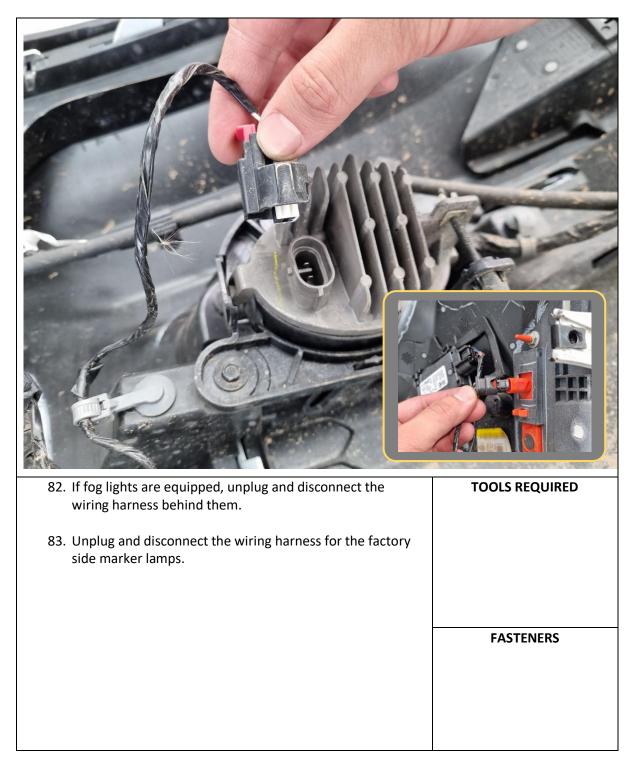


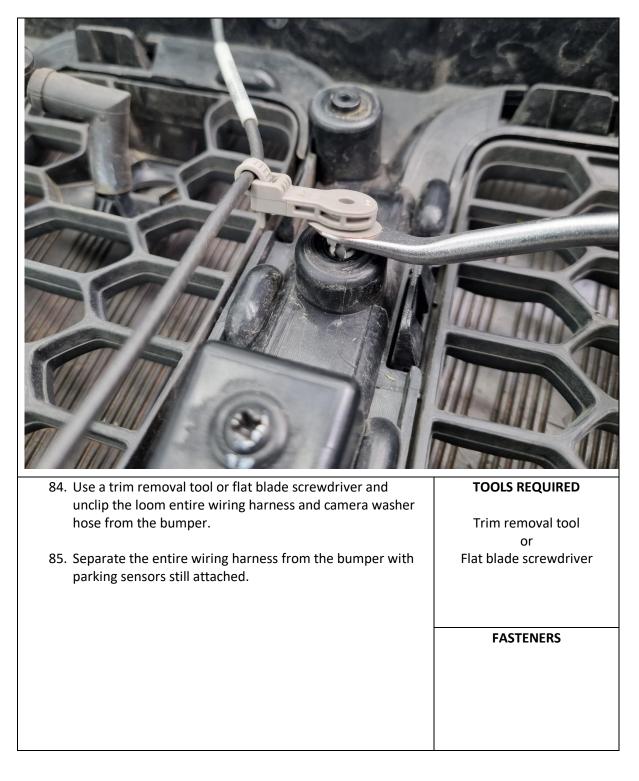


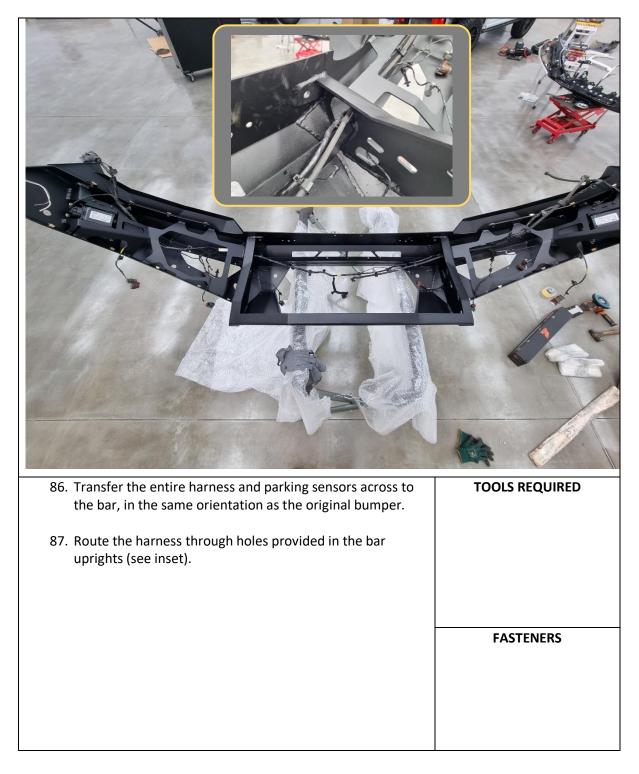


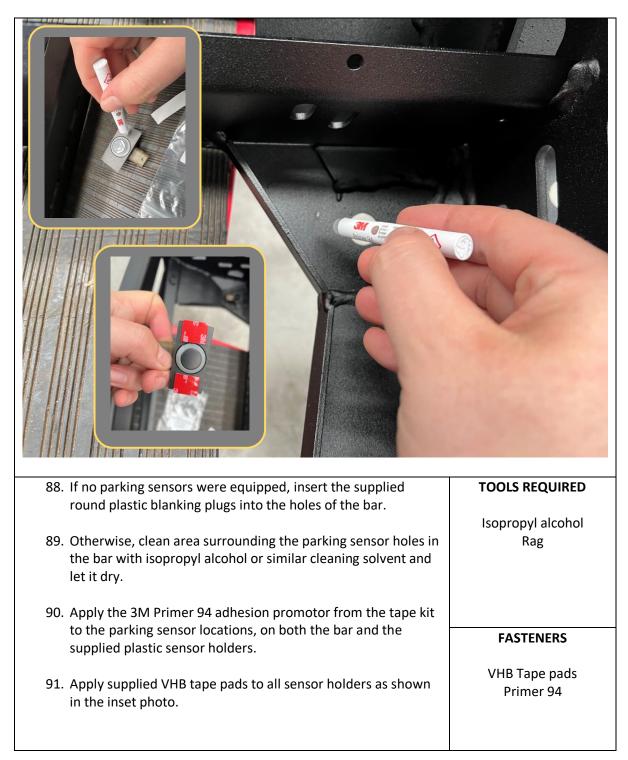


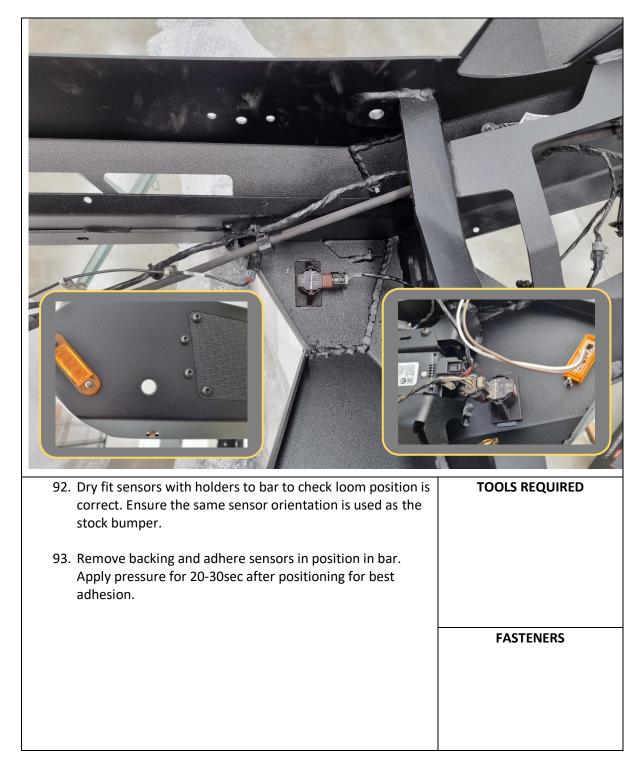


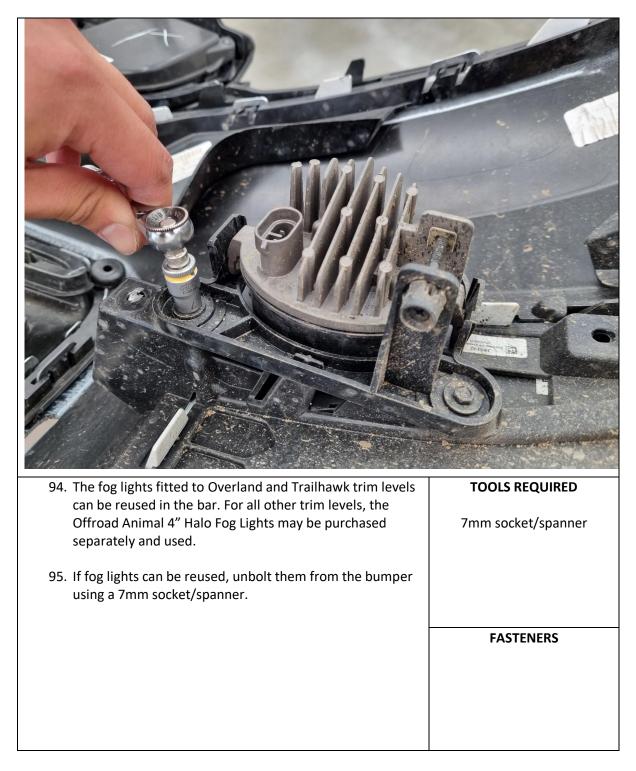


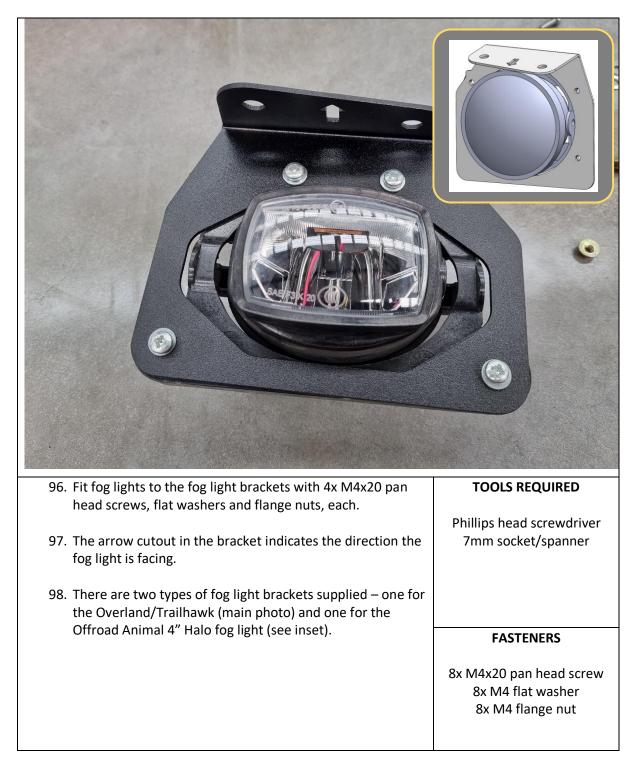


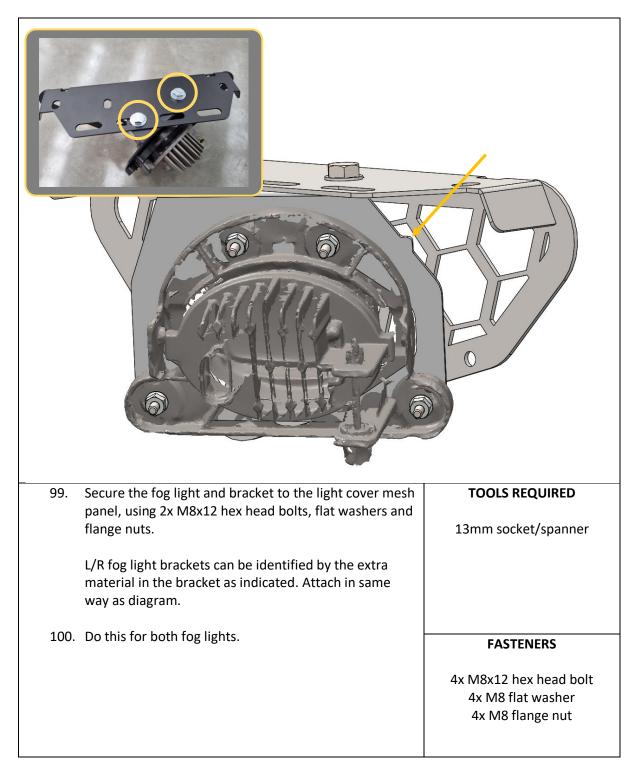


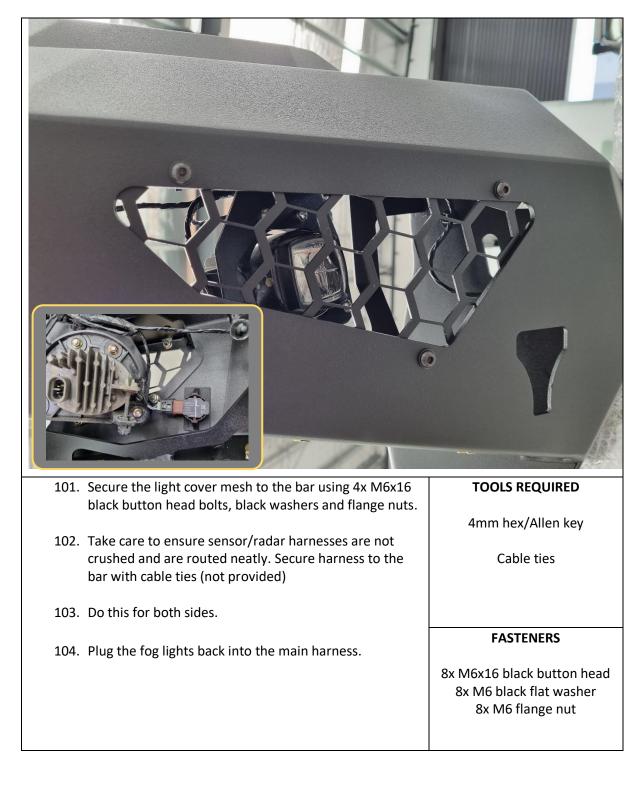


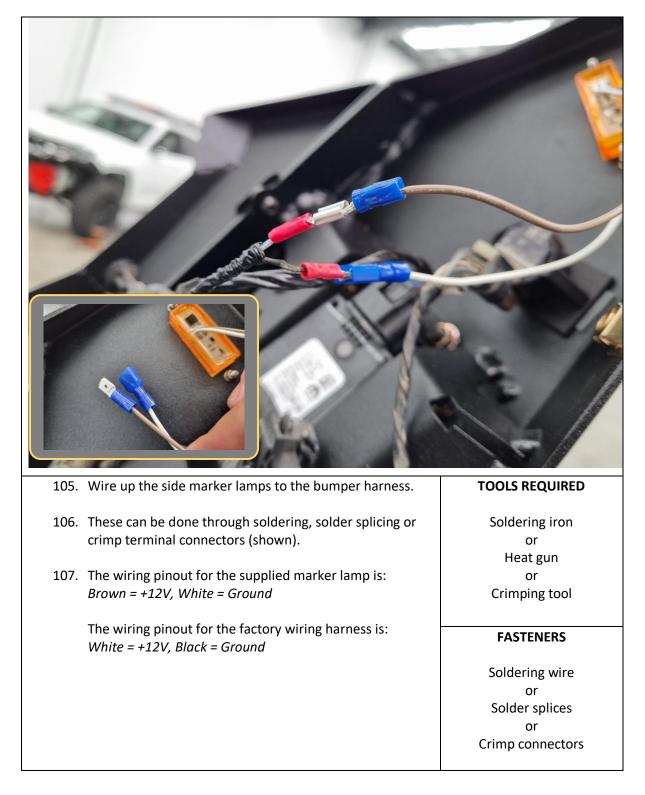




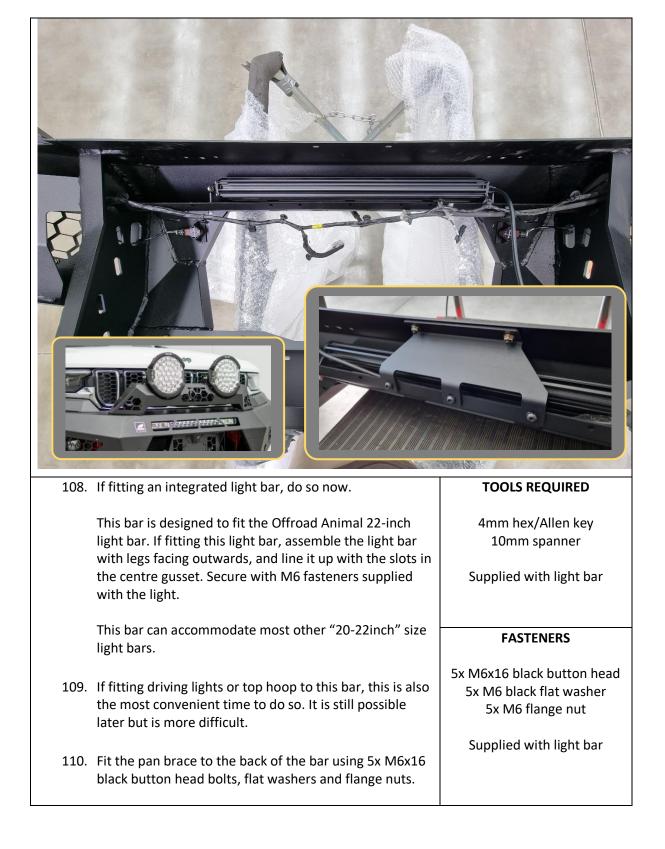






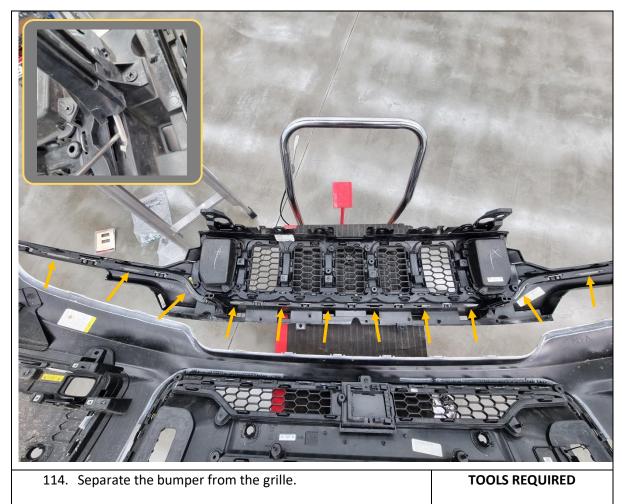


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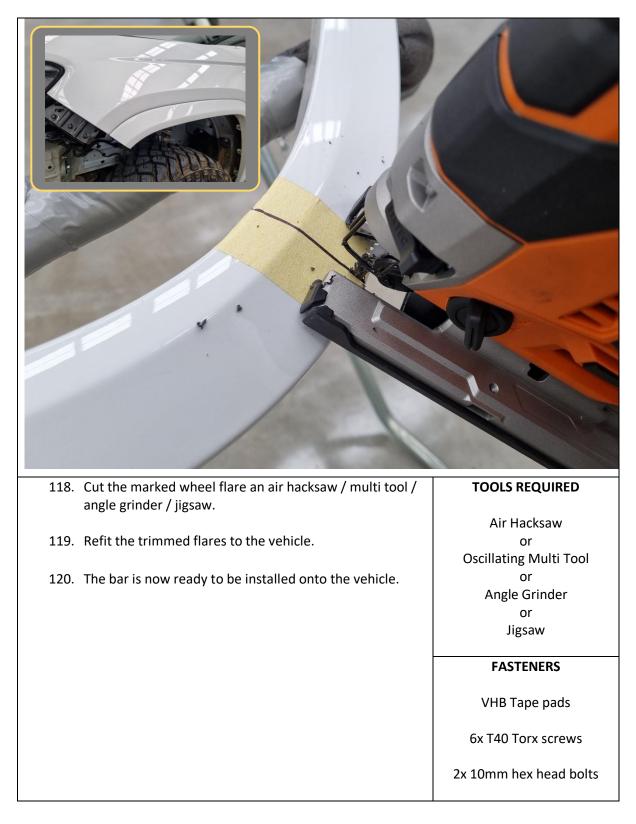
115. There are 12x plastic tabs/clips that can be released with a trim tool or flat blade screwdriver.

Trim tool or Flat blade screwdriver

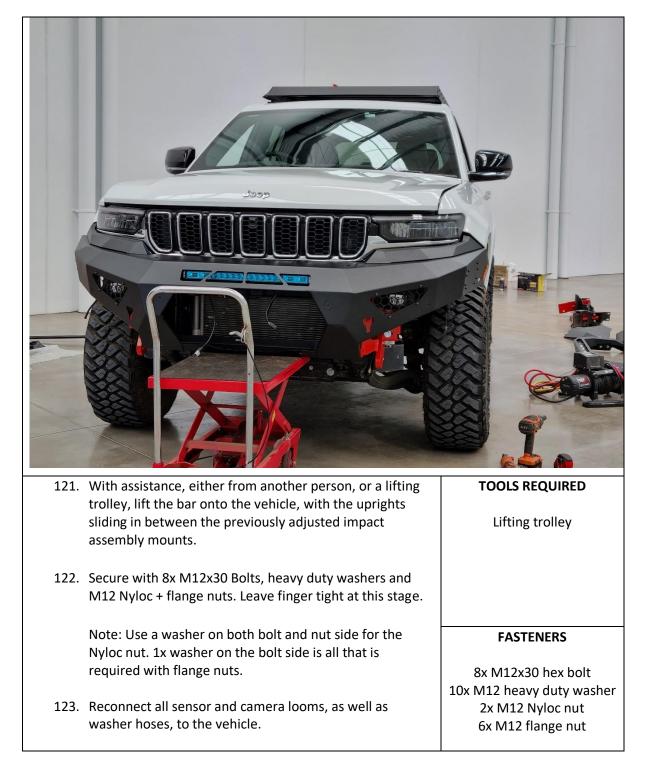
### FASTENERS

## 2022-on Jeep Grand Cherokee Predator Front Bar





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- 125. In front view, the top face of the bar should sit in line with the bottom of the grille vents.
- 126. In side view, the lower face of the bar wing should be in line with the wheel arch, and the upper face should be parallel to the quarter panel (fender) with a 10-15mm gap.
- 127. There must also be approximately 5mm clearance between bar/headlight infills to all parts of the grille to prevent rubbing.
- 128. Once happy with alignment, tighten all 8x M12 bolts and 8x M6 headlight infill bolts from below.

FASTENERS

8x M12x30 hex bolt 10x M12 heavy duty washer 2x M12 Nyloc nut 6x M12 flange nut



129.	If fitting a winch, do so now.	

This bar is designed to fit most low mount winches, in foot down configuration. WARN ZEON 12 is the largest winch confirmed to fit.

130. The control box can be mounted on top of the winch, or to the side. Winches usually come with a bracket to allow this. Refer to winch manufacturer.

However, due to the radiator active louvres above the cradle, in most cases the winch control box will need to be relocated. A relocation bracket and instructions are found later in this document.

The available height for winches is 210mm. If your winch and control box is taller, then it will need to be relocated. <u>At least 700mm of cable length is required</u>. Route cabling over the top of the impact assembly to the side where you will be connecting the winch to power.

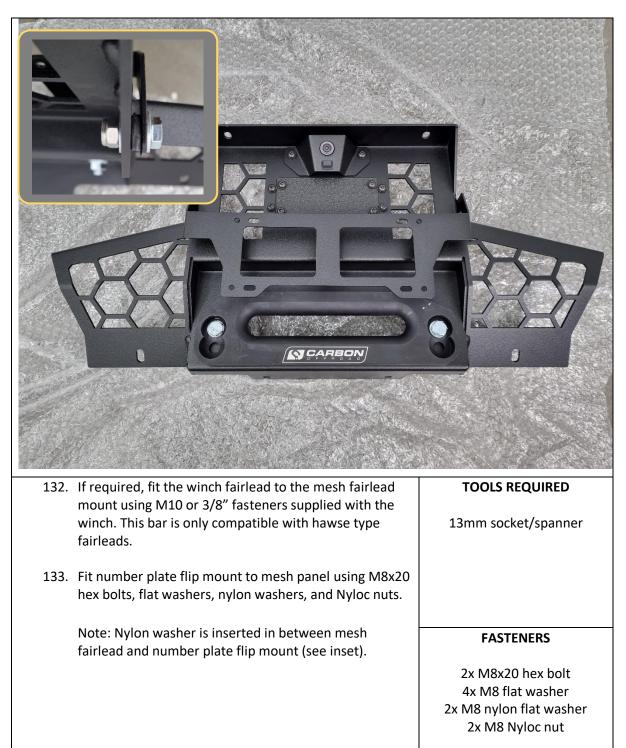
131. Ensure clutch handle will be accessible through opening in front mesh panel. Refer to winch instructions if required.

## **TOOLS REQUIRED**

Refer to instructions supplied by winch

#### FASTENERS

Supplied with winch





- 134. Fit the mesh fairlead mount to the centre of the bar, using 2x M8x16 black button head bolts (top), 2x M8x20 hex head bolts (bottom) and 4x flat washers.
- 135. Tighten fasteners using 13mm socket/spanner and 5mm hex/Allen key.
- 136. Feed winch cable through the hawse fairlead if applicable.
- 137. Reconnect the camera harness and washer hose if equipped to the back of the mesh fairlead mount (see inset).

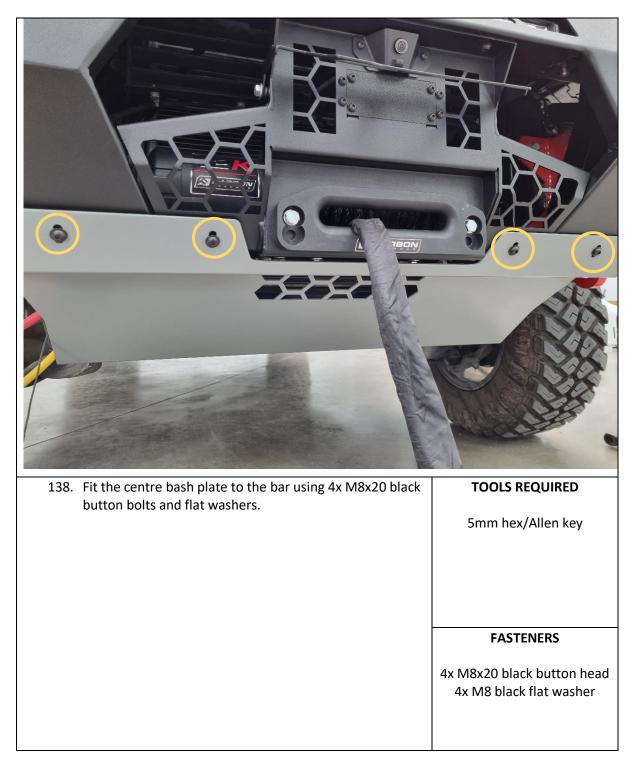
### **TOOLS REQUIRED**

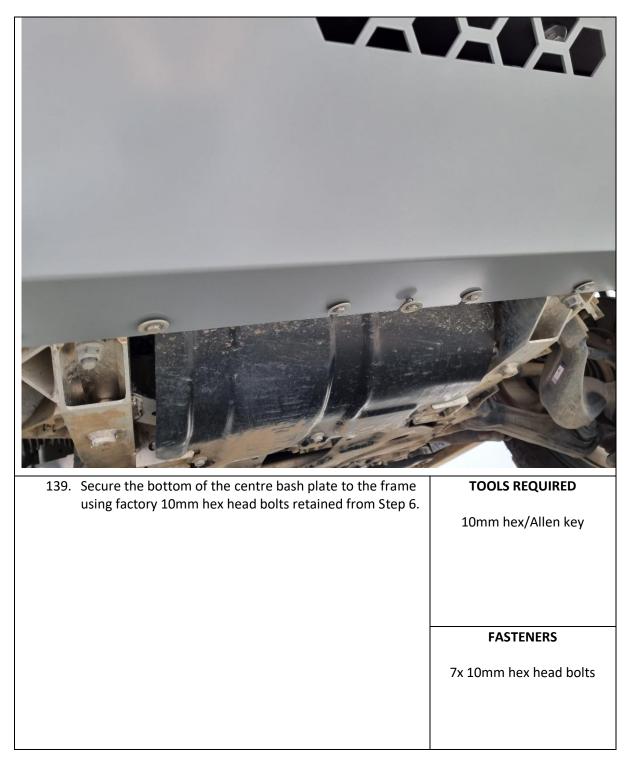
13mm socket/spanner 5mm hex/Allen key

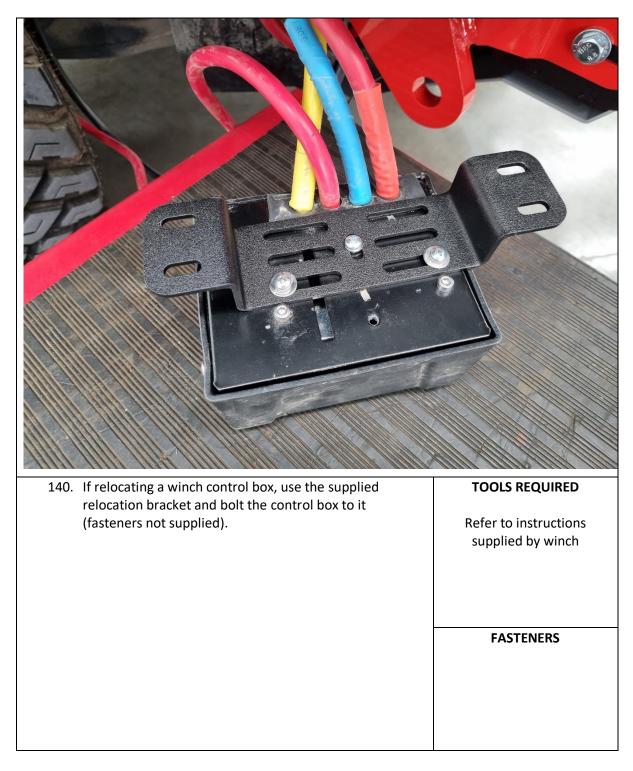
#### FASTENERS

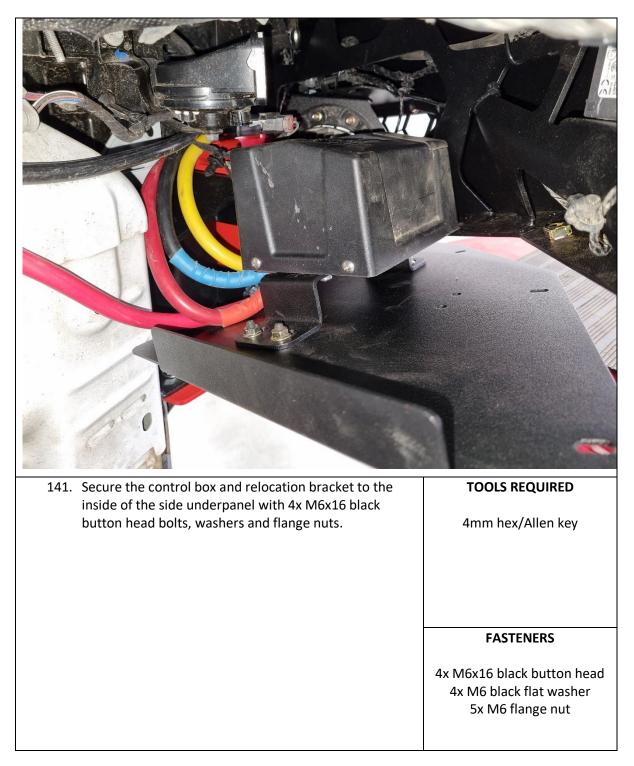
2x M8x16 black button head 2x M8 black flat washer

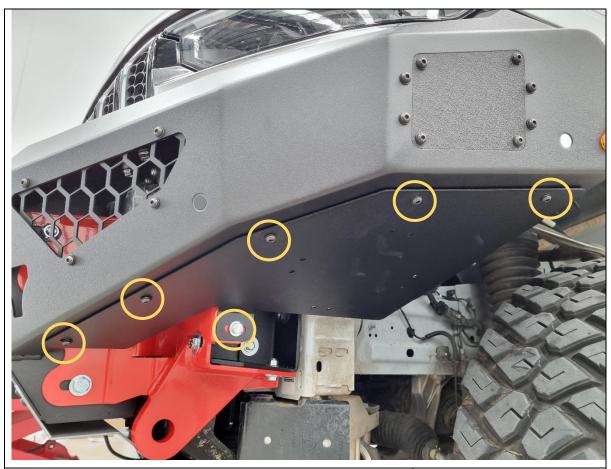
> 2x M8x20 hex head 2x M8 flat washer











- 142. Loosely fit the side underpanel to the bar with 5xM6x16 black button head bolts and black flat washers.
- 143. Loosely secure the side underpanel to the impact assembly with 1x M8x20 hex bolt, washer and flange nut.
- 144. Repeat for other side underpanel.

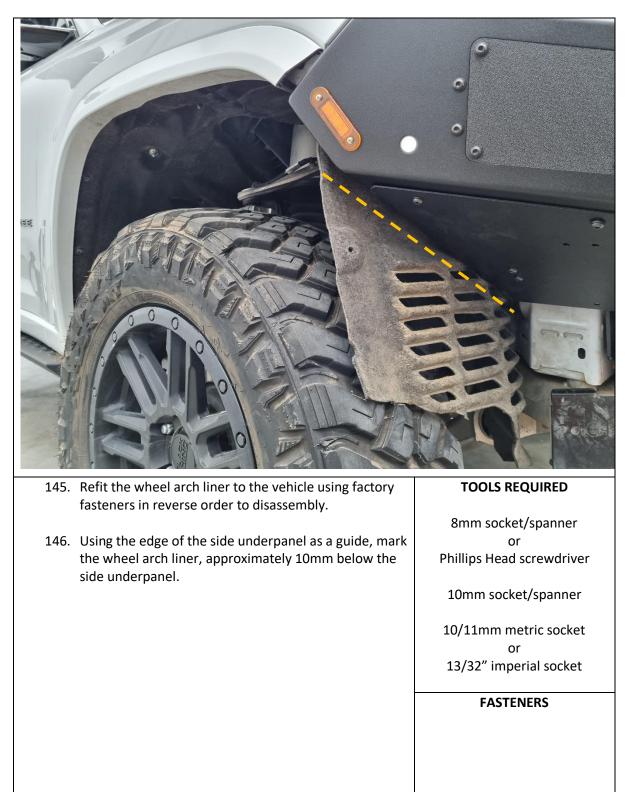
### **TOOLS REQUIRED**

4mm hex/Allen key 13mm socket/spanner

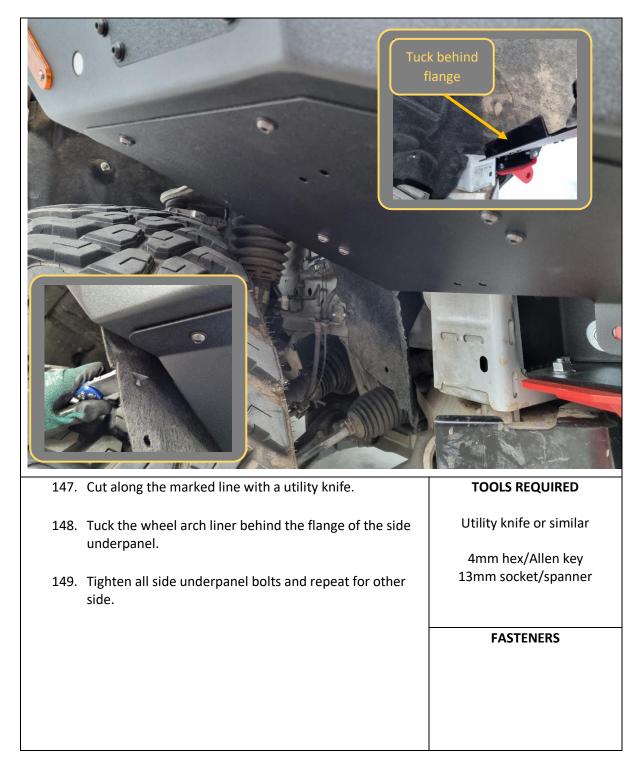
#### FASTENERS

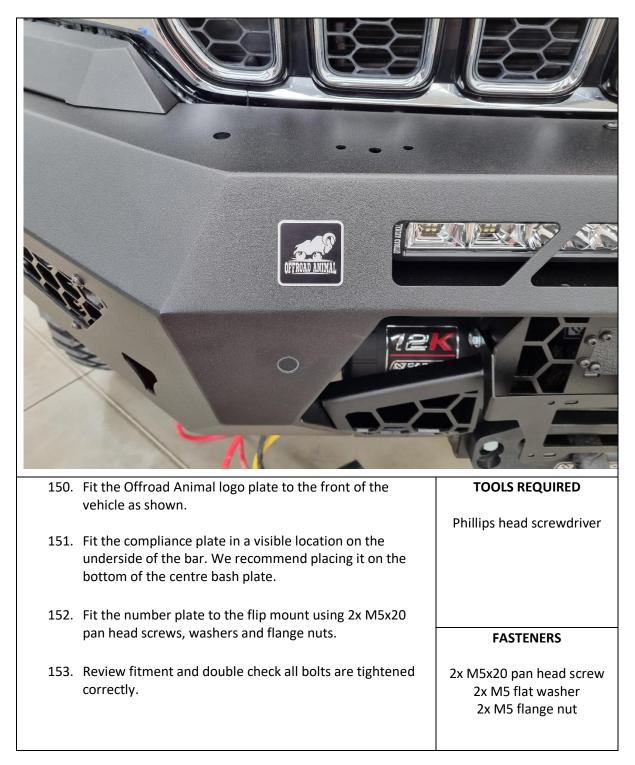
10x M6x16 black button head 10x M6 black flat washer

> 2x M8x20 hex bolt 2x M8 flat washer 2x M8 flange nut



### 2022-on Jeep Grand Cherokee Predator Front Bar





08/11/23



Congratulations! You're done! Go overlanding and enjoy your newly protected Grand Cherokee.