



## Toyota Landcruiser 300 Series

# MY2022+ Predator & Toro Front Bar Fitting Instruction

## **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-TLC-300-22- PR-ASM1	Toyota LC300 Predator Bar Weldment	
	1	Or	
1	FB-TLC-300-22- PR-ASM1	Toyota LC300 Toro Bar Weldment	
1	FB-TLC-300-22- PR-ASM2L	Toyota LC300 Impact Assy	
1	FB-TLC-300-22- PR-ASM2R	Toyota LC300 Impact Assy	
1	FB-TPR-150-18- PR-ASM3L	Toyota LC300 Predator - Tow Assy	
1	FB-TPR-150-18- PR-ASM3R	Toyota LC300 Predator - Tow Assy	
1	B-0850L	Toyota LC300 Outer Chassis Brace	
1	B-0850R	Toyota LC300 Outer Chassis Brace	



1	B-0667L	Toyota LC300 Predator - Headlight Infill Panel	
1	B-0667R	Toyota LC300 Predator - Headlight Infill Panel	
1	B-0680L	Toyota LC300 Predator - Headlight Infill Panel Mount	0000
1	B-0680R	Toyota LC300 Predator - Headlight Infill Panel Mount	0
1	U-0047L	Toyota LC300 Predator - Side Underpanel	
1	U-0047R	Toyota LC300 Predator - Side Underpanel	
1	U-0046	Toyota LC300 Predator - Centre Underpanel	6 - 5 - 7 - 5 - 7 - 7 - 7 - 7 - 7 - 7 - 7
1	M-0026L	Toyota LC300 Predator - Fog Light / Intercooler Mesh Panel	
1	M-0026R	Toyota LC300 Predator - Fog Light / Intercooler Mesh Panel	
1	M-0025L	Toyota LC300 Predator - Side Mesh Panel	
1	M-0025R	Toyota LC300 Predator - Side Mesh Panel	
1	M-0024	Toyota LC300 Predator - Centre Fairlead Mesh Panel	



1	B-0679L	Toyota LC300 - Fog Light Bracket	
1	B-0679R	Toyota LC300 - Fog Light Bracket	
1	B-0666	Toyota LC300 Predator - Pan Brace	
1	B-0668	Toyota LC300 Predator - Number Plate Bracket	
1	FB-TLC-300-22- PR-ASM4L	LC300 Front Headlight Washer Plug Assy	
1	FB-TLC-300-22- PR-ASM4R	LC300 Front Headlight Washer Plug Assy	
1	B-0983R	Toyota LC300 Grille Support Bracket GX-Sahara	
1	B-0983L	Toyota LC300 Grille Support Bracket GX-Sahara	
2	B-0982	Toyota LC300 Grille Support Bracket Base	
1	TK-COM-PSEN- 6	Tape Kit – 6 Sensor Universal	No Image
1	TK-FB-TLC- LC300-22	Tape Kit LC300	No Image



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

QTY.	PART NO.	DESCRIPTION
47	M6 FLAT WASHER BLACK ZINC	M6 FW BLACK ZP
40	M6 FLANGE NUT	Flange Nut, M6x1 G8.8 ZP
47	M6x16 BHCS BLACK ZINC	SCREW, BUTTON HEAD CAP, M6X16X1 GR12.9 BLACK ZP
6	M8 X 30 BHCS BLACK ZINC	SCREW, BUTTON HEAD CAP, M8X30X1.25 BLACK ZP
10	M8 FLAT WASHER- BLACK ZINC	M8 FW- BLACK ZINC
4	M8 X 16 BHCS BZP	SCREW, BUTTON HEAD CAP, M8X16X1.25 GR12.9 BLACK ZP
4	M8 X 20 HEX	Bolt Hex, M8X20x1.25, GR8.8 ZP
8	M8 FLAT WASHER	M8 FW
14	M12X30	Bolt Hex, M12X30x1.75, GR8.8 ZP
14	M12 FLANGE NUT	Flange Nut, M12x1.75 G8.8 ZP
2	M12 Nyloc nut	M12 NYLOC NUT
12	M12 FW LHD	M12 FW Large Heavy Duty
4	M10 x 25	Bolt Hex, M10X25x[1.5], GR8.8 ZP
12	M10 FW LHD	WASHER, FLAT M10X28.5X2.5
8	M10 FLANGE NUT	Flange Nut, M10x1.5 G8.8 ZP
2	M8 NYW	Washer, M8, Nylon
8	M12 FLAT WASHER	M12 FW
4	M10 x 30	Bolt Hex, M10X30x[1.5], GR8.8 ZP
4	M10 Flat Washer	M10 FW
2	NP-COM-M12-300-ASM0	M12 NUT PLATE 300MM STEM
10	M6CN3MM	CAGE NUT M6x2.6-3.5
4	M6x16 HEX	Bolt Hex, M6x16x[1.0], GR8.8 ZP
3	M6x12 BHCS	SCREW, BUTTON HEAD CAP, M6X12X1 GR12.9 ZP
7	M6 FLAT WASHER	M6 FW
2	M8 FLANGE NUT	Flange Nut, M8x1.25 G8.8 ZP
2	M8 X 25 HEX	Bolt Hex, M8X25x1.25, GR8.8 ZP
2	M8 NYLOC	NYLOC SELF LOCKING NUT, ST STL A2 ISO
2	M12x30x1.25	Bolt Hex, M12X30x1.25, GR8.8 ZP
2	M12x110	Bolt Hex, M12X110x1.75, GR8.8 ZP
2	T-0057	Toyota LC300 Tow Point Crush Tube

### Toro Small Parts – In addition to Above

QTY.	PART NO.	DESCRIPTION
1	B-0678L	Toyota LC300 Toro- Antenna Bracket
1	B-0678R	Toyota LC300 Toro- Antenna Bracket
6	M8 FLAT WASHER- BLACK ZINC	Flange Nut, M6x1 G8.8 ZP
6	M8x20 BHCS BLACK ZINC	SCREW, BUTTON HEAD CAP, M6X16X1 GR12.9 BLACK ZP



# **TOOLS REQUIRED**

The following tools will be required to install the product.

Hand Tools	Power Tools	Workshop Supplies
Metric Socket Set 8-	Electric Drill	Double Sided Adhesive
19mm	6mm Drill Bit	Tape (3M VHB or
Socket Extension Bar		Equivalent)
Metric Spanner Set 10-	Electric/Air Impact	Panel Stand or Soft
19mm	Driver (Optional)	Blanket
Hex (Allen) Key Set 4-		Cable Ties
6mm		Masking Tape
Trim Puller Tool		Black Automotive
Flat Blade Screwdriver		paint
set		Scotch Brite or Fine
Phillips Head		Sandpaper
Screwdriver set		Automotive
Utility Knife		Sealant/Adhesive
Side Cutters		(Sikaflex 227 or Equiv)
Pliers		Bucket
		Hose Clamp

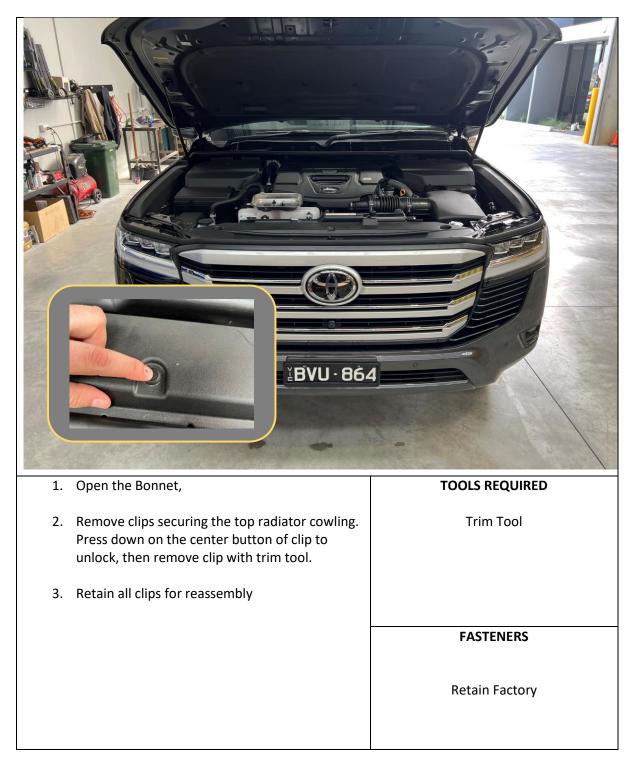


## **WORKSHOP SAFTEY**

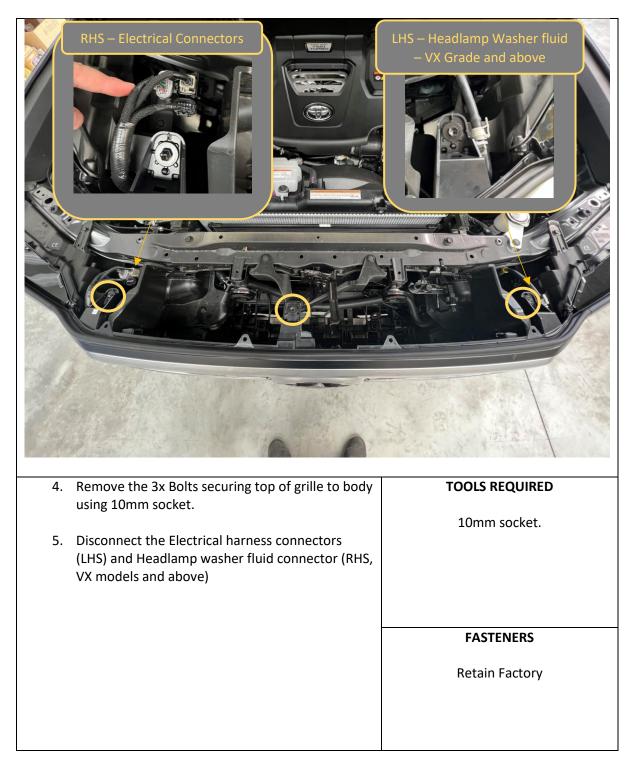
It is the responsibility of the installer to always complete works in a safe manner. Make sure the following safety equipment is available and precautions are observed whilst fitting this product.

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.

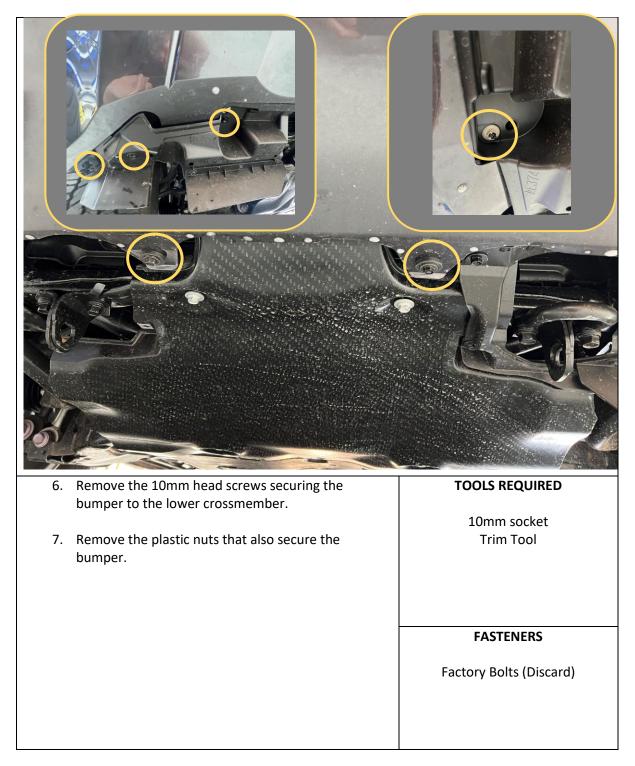




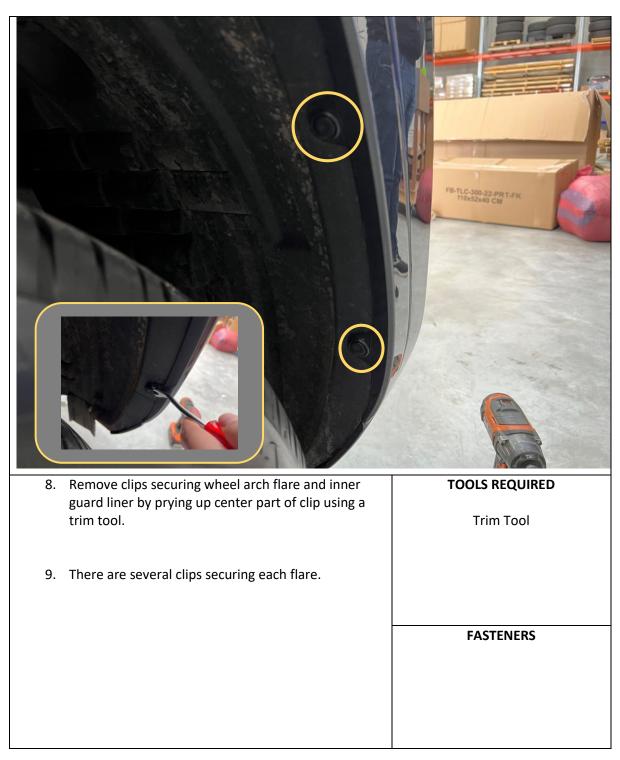




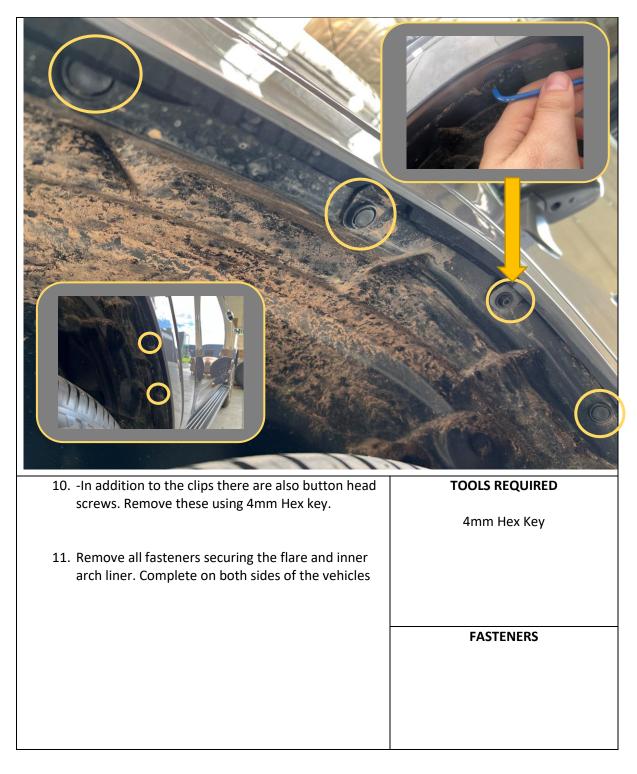




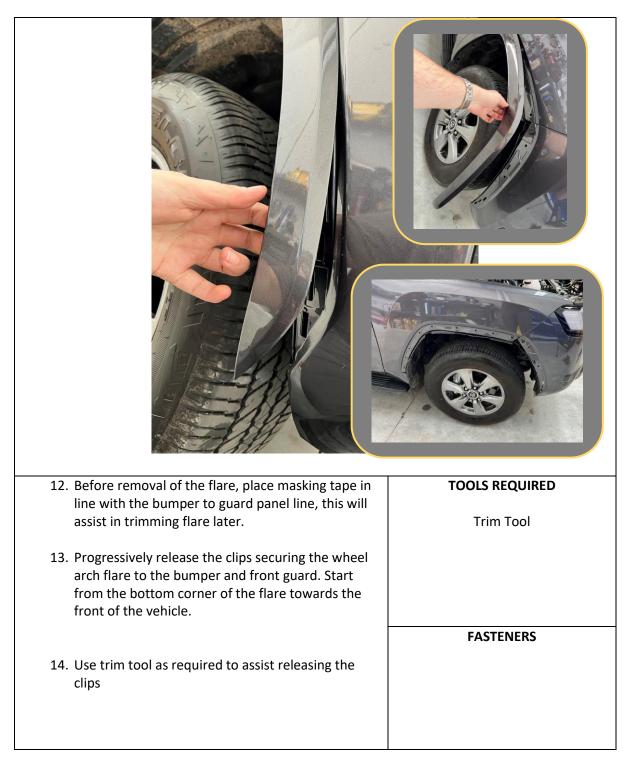




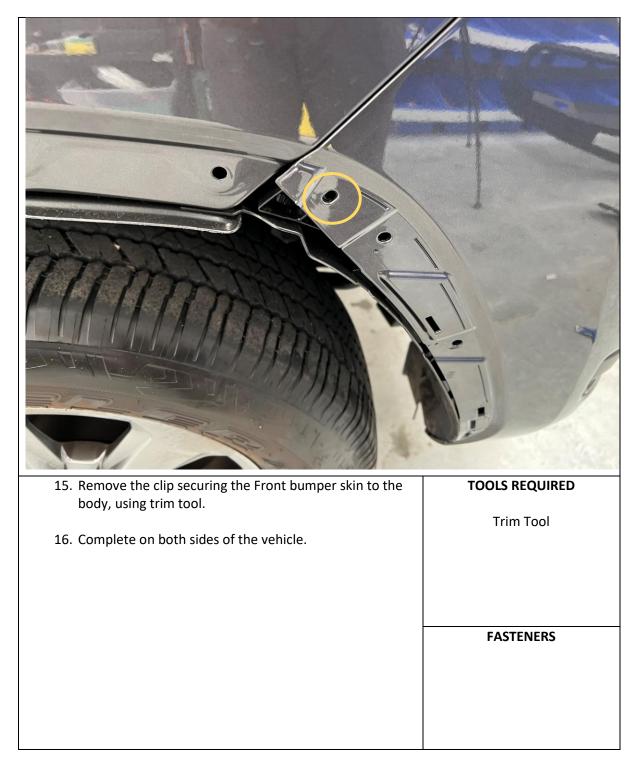




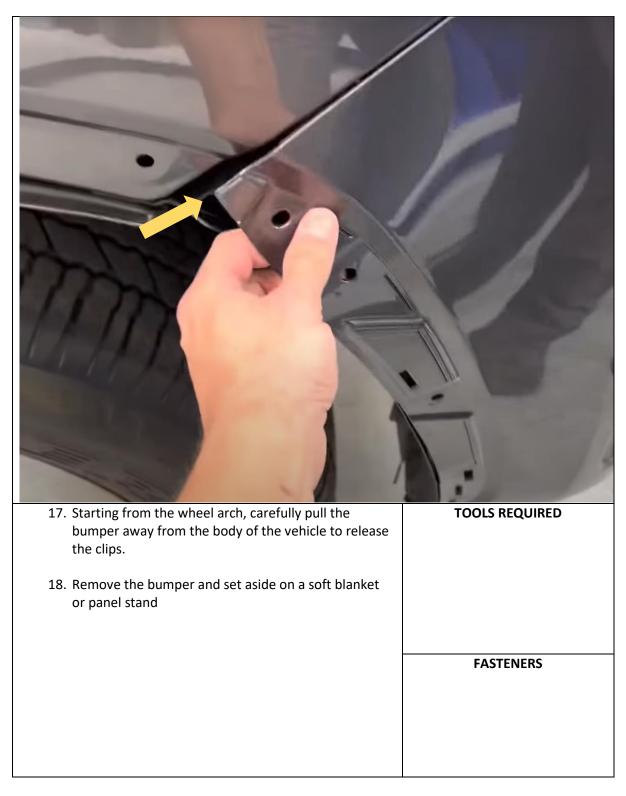




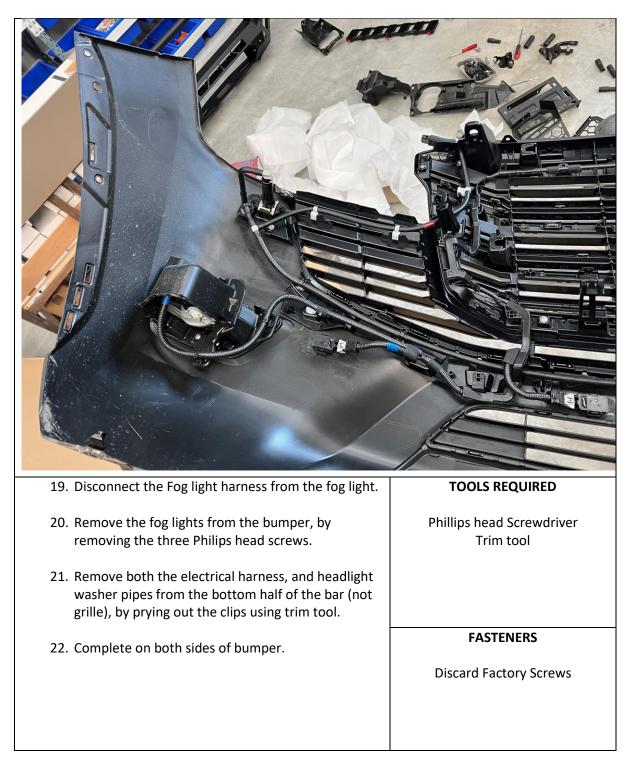




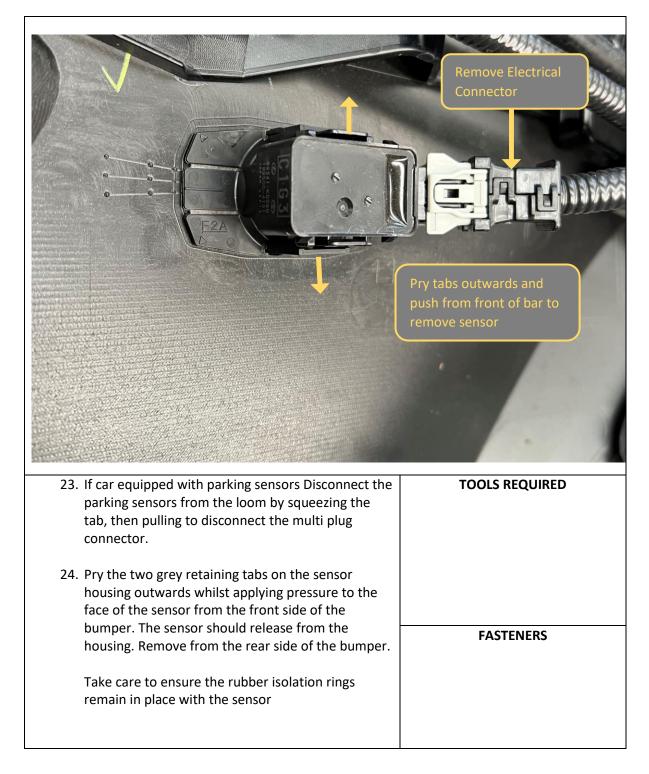








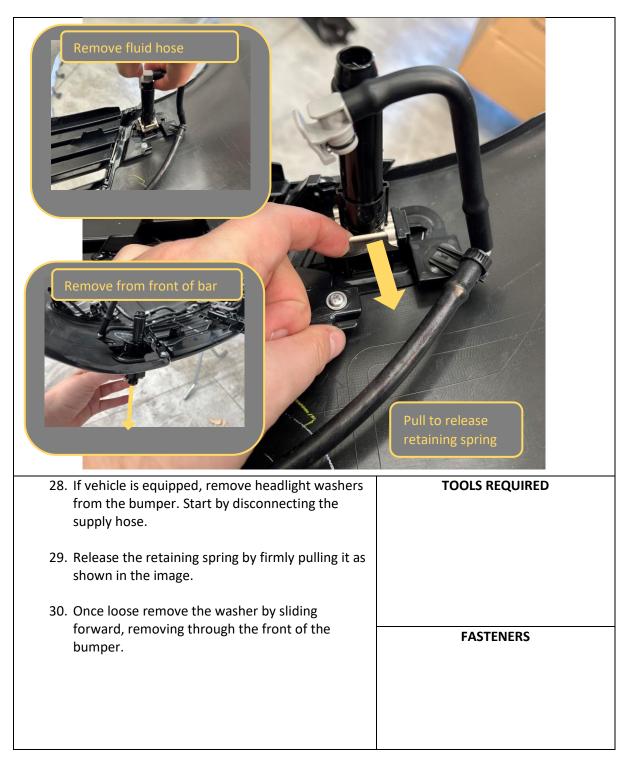




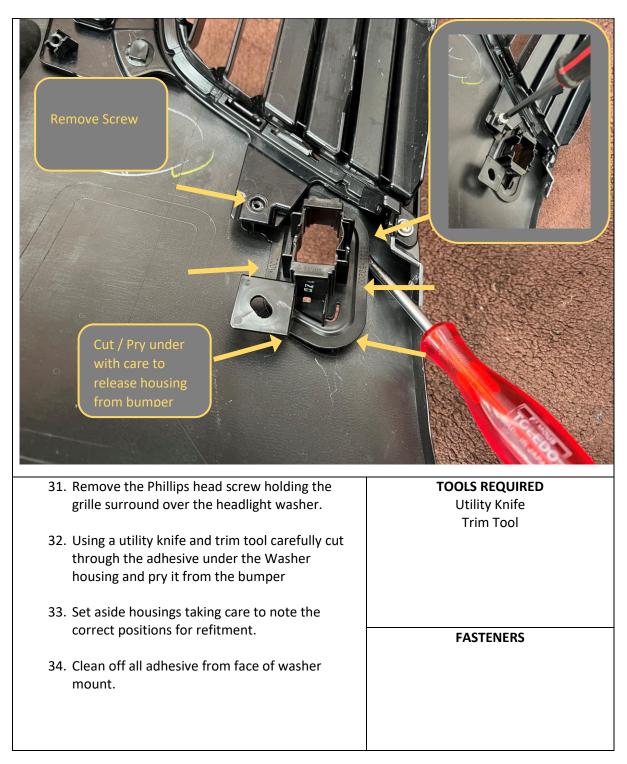


<image/>	
25. If equipped, Pull out headlight washer from bumper.	TOOLS REQUIRED
26. Release tabs holding trim panel to headlight washer by prying away from headlight washer.	
27. Allow washer body to retract back into housing.	
	FASTENERS

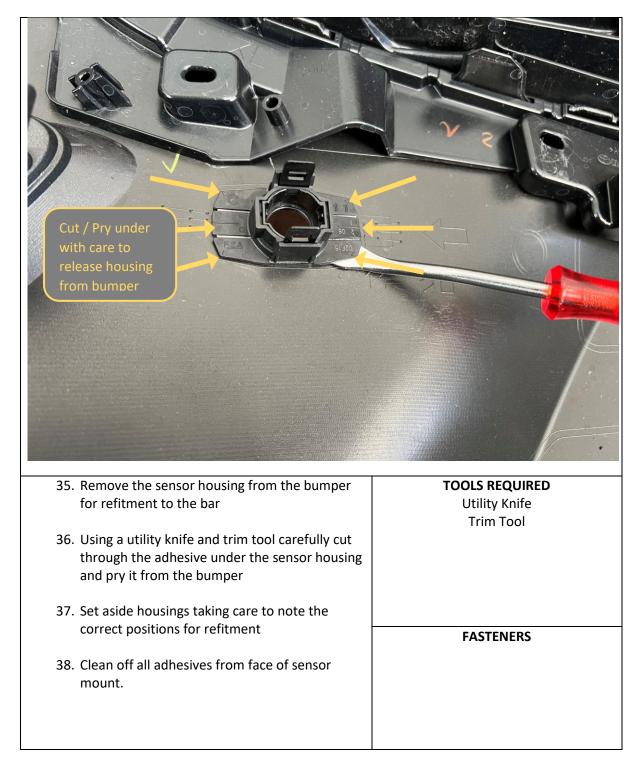




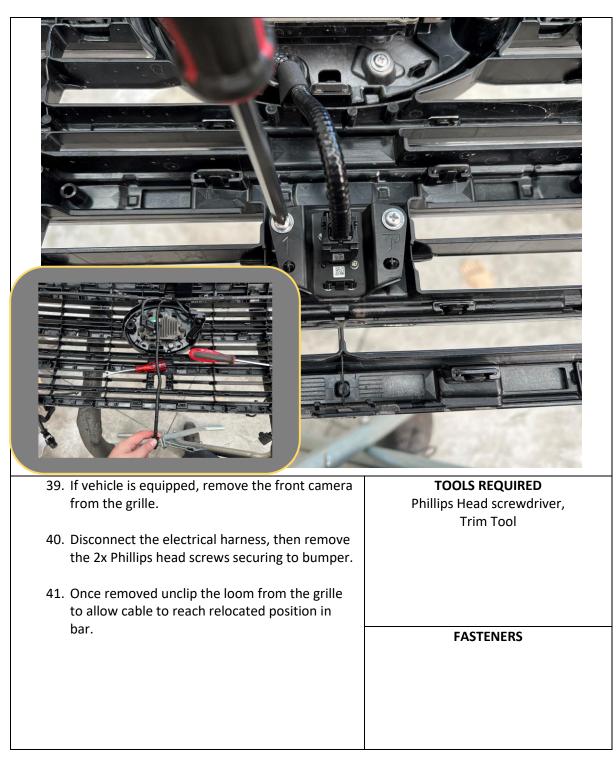




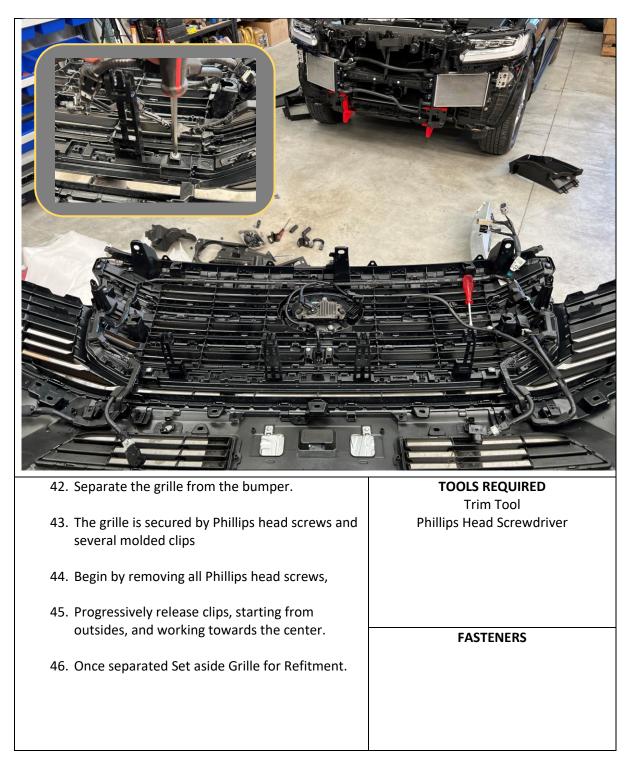




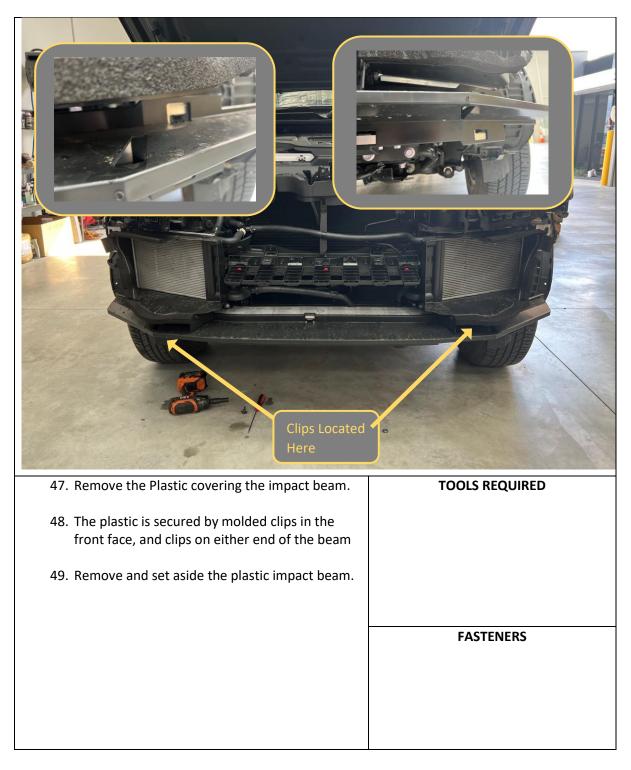




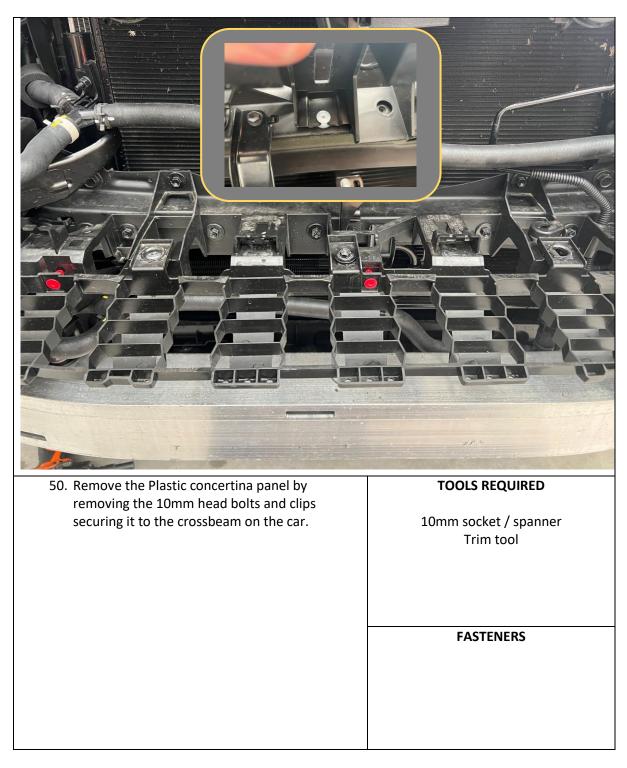




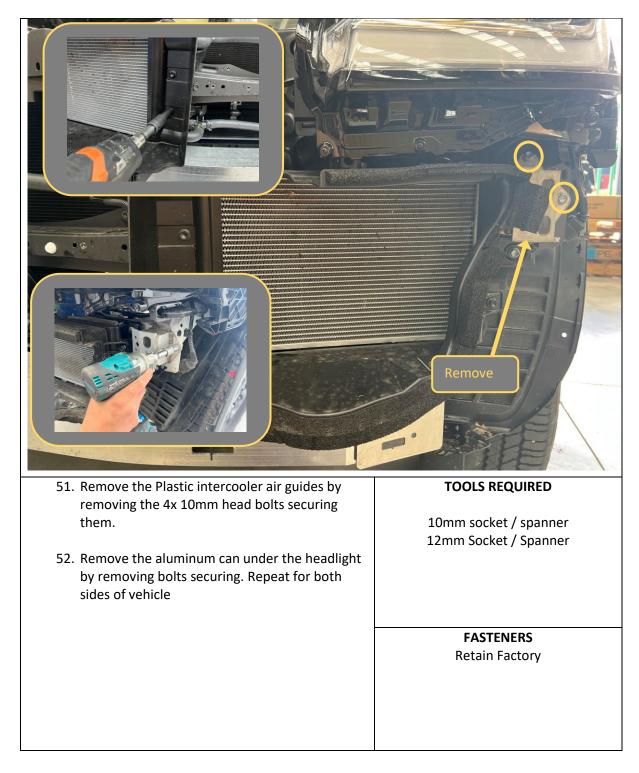




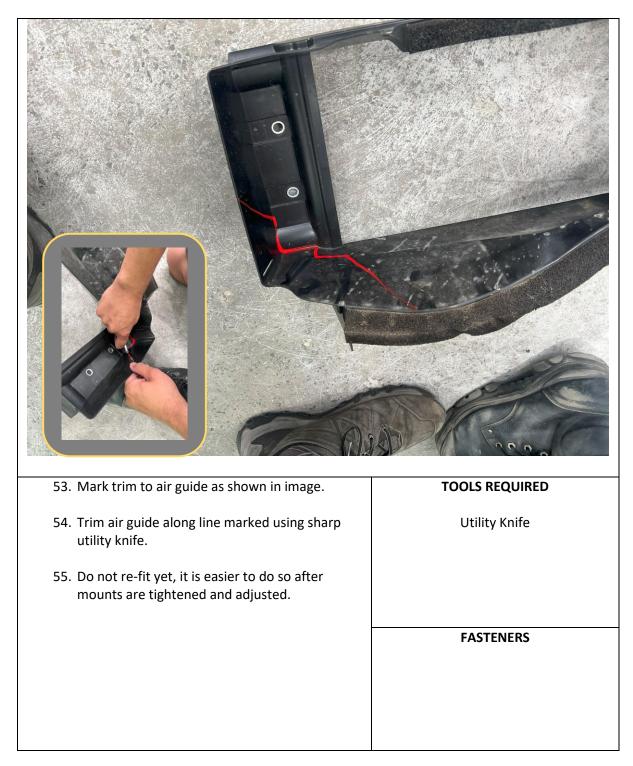




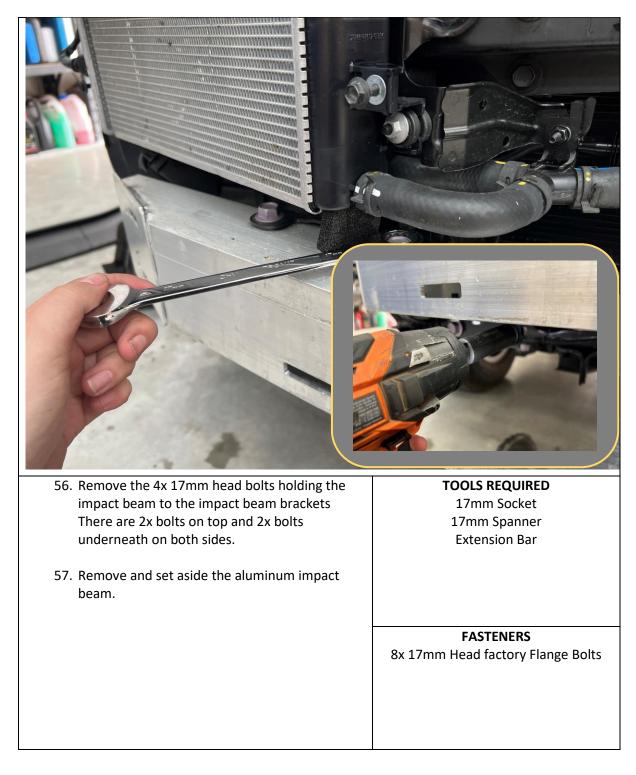




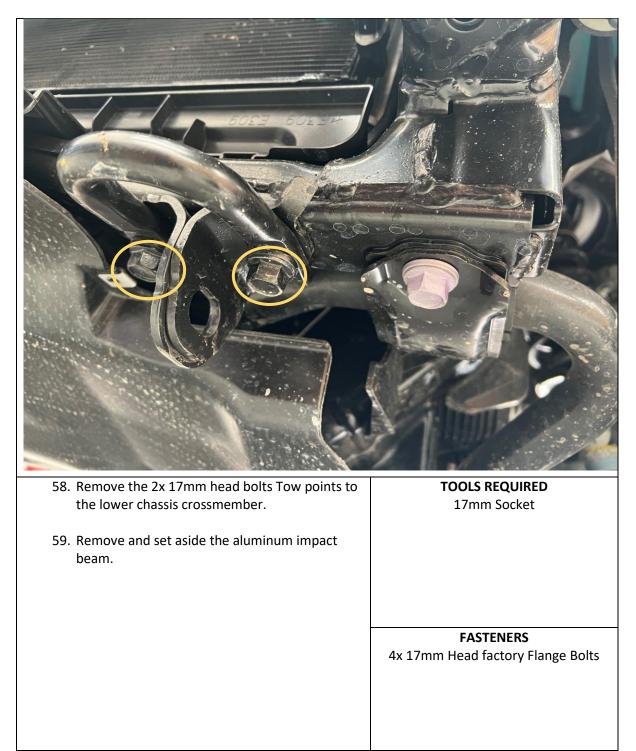




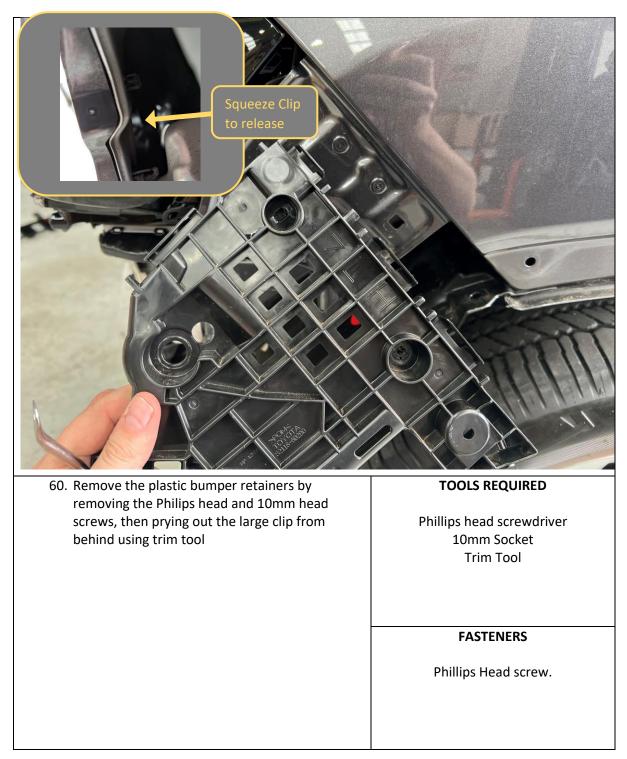




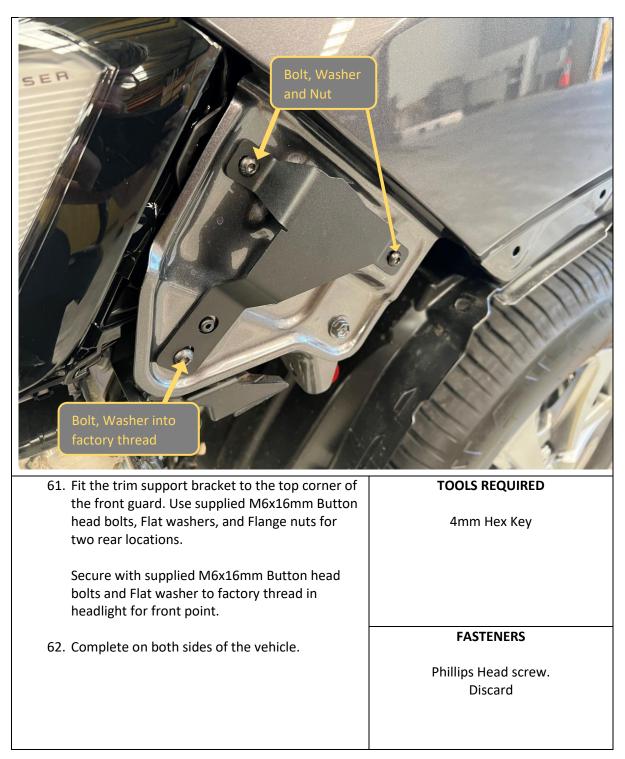




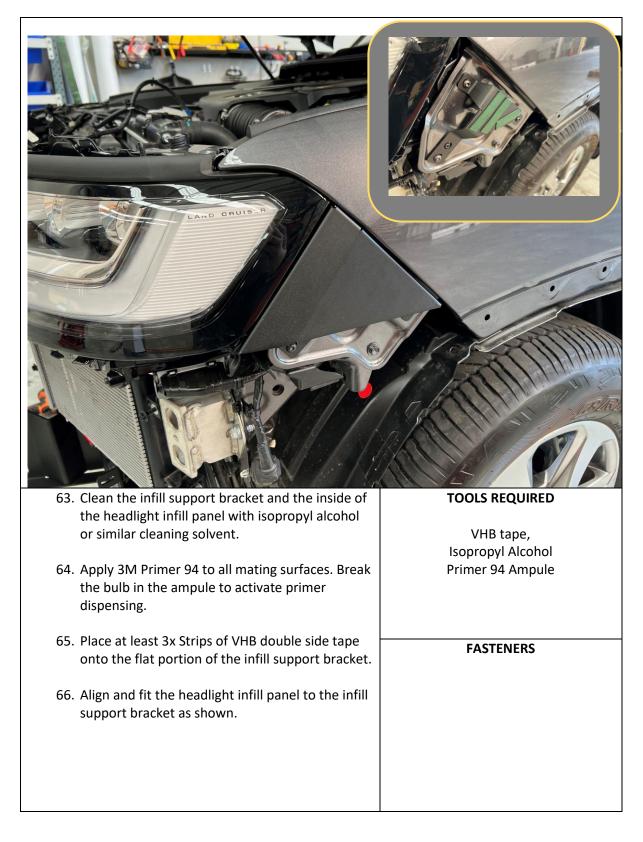




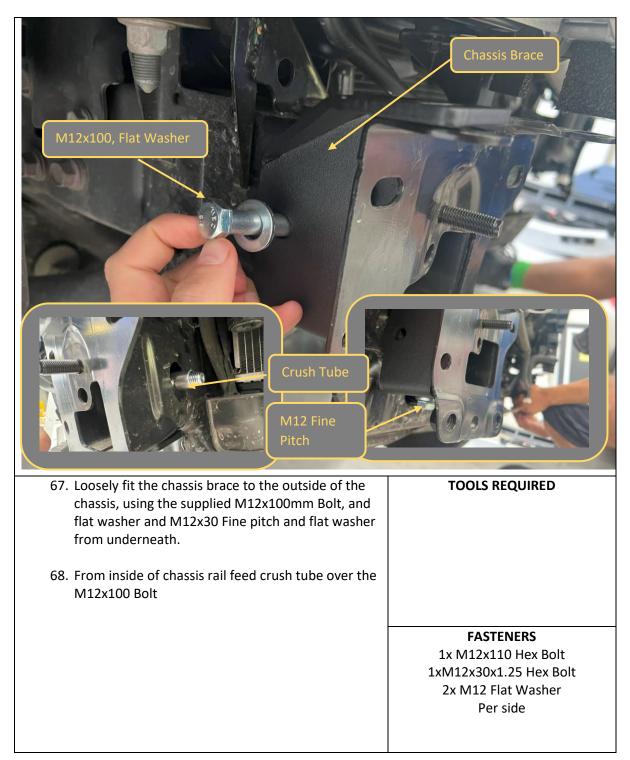




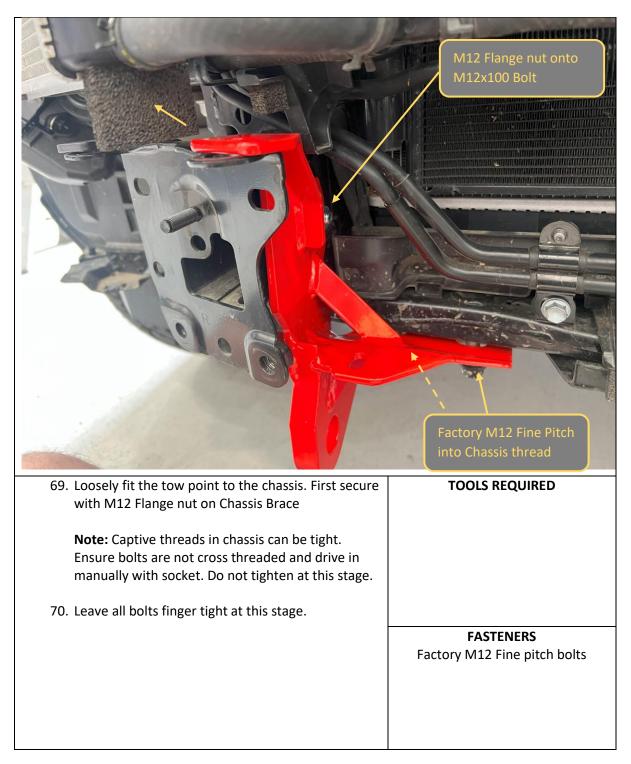




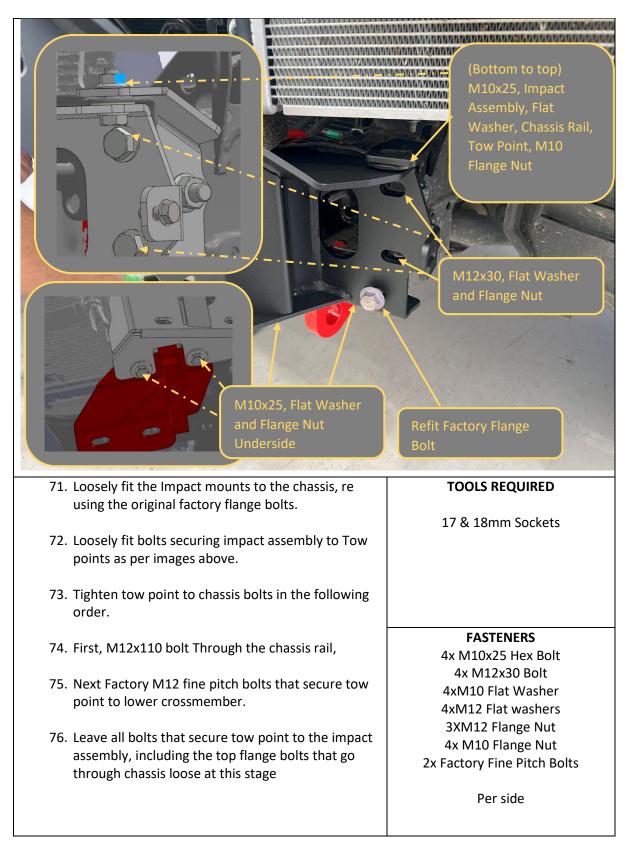








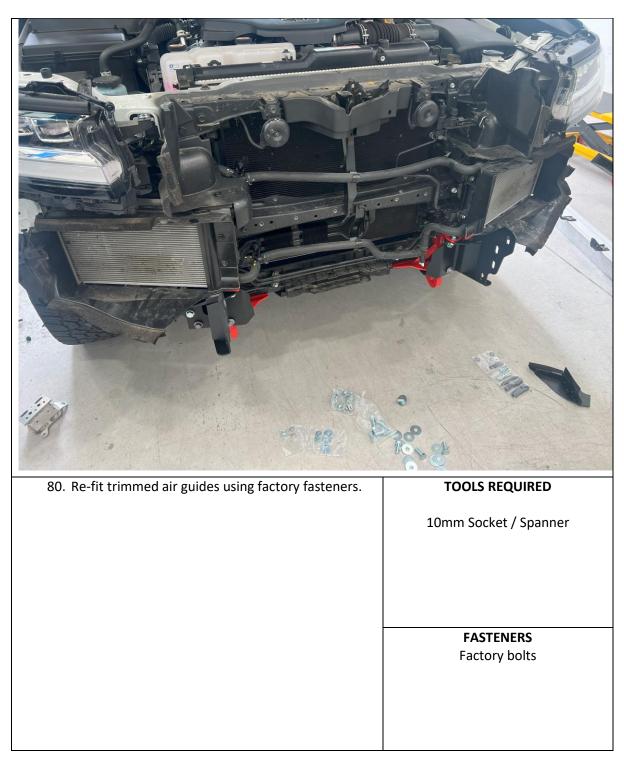






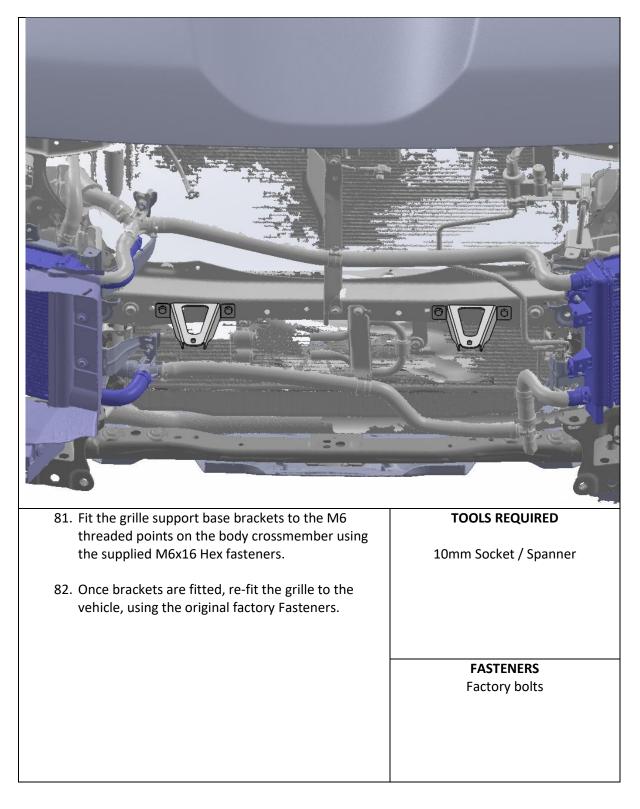
MEASURE	
Adjust	
77. Measure Distance between outside edges uprights	TOOLS REQUIRED
on bar using tape measure. Write distance below for reference if required.	
	TAPE MEASURE
Bar Upright Width =mm	
78. Adjust mounts by sliding mounts on slots, such	
that distance between outside edges of mounts is approximately 2mm less than bar.	FASTENERS
	FAJIENERJ
79. Secure and tighten mounts. Tighten bolts that secure the tow point to chassis first, then impact assembly to tow point bolts.	







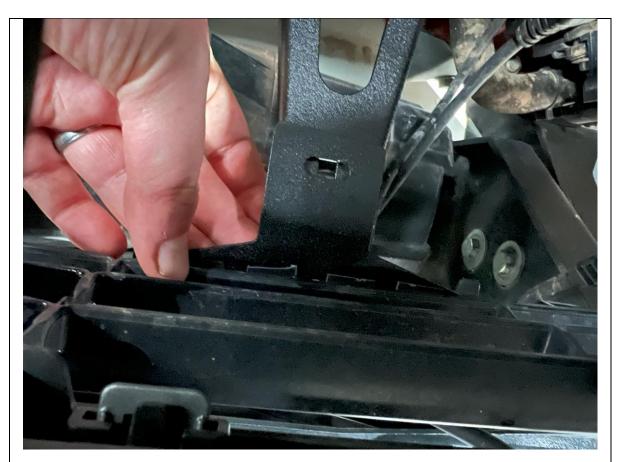
## 2022+ Toyota Landcruiser 300 Predator Front Bar



REV D







84. Fit the secondary grille support brackets to the underside of the grille, using the tape pads, such that the bracket aligns with the slotted end of the primary support bracket.

The secondary bracket should sit on TOP of the base bracket, As shown in the image.

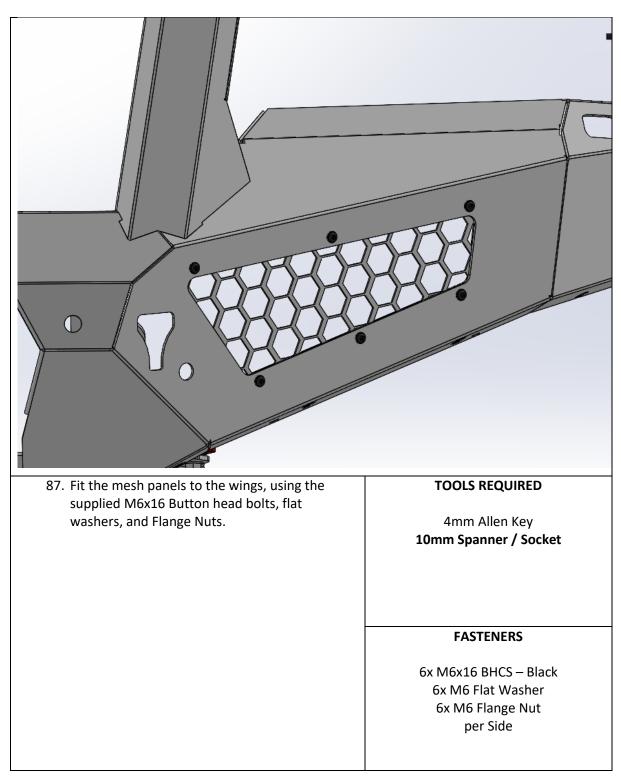
- 85. Complete for both sides of the grille.
- 86. Secure the Secondary support bracket to the base bracket using M6x16 Black button head bolt, Flat washer, and Flange Nut.

## **TOOLS REQUIRED**

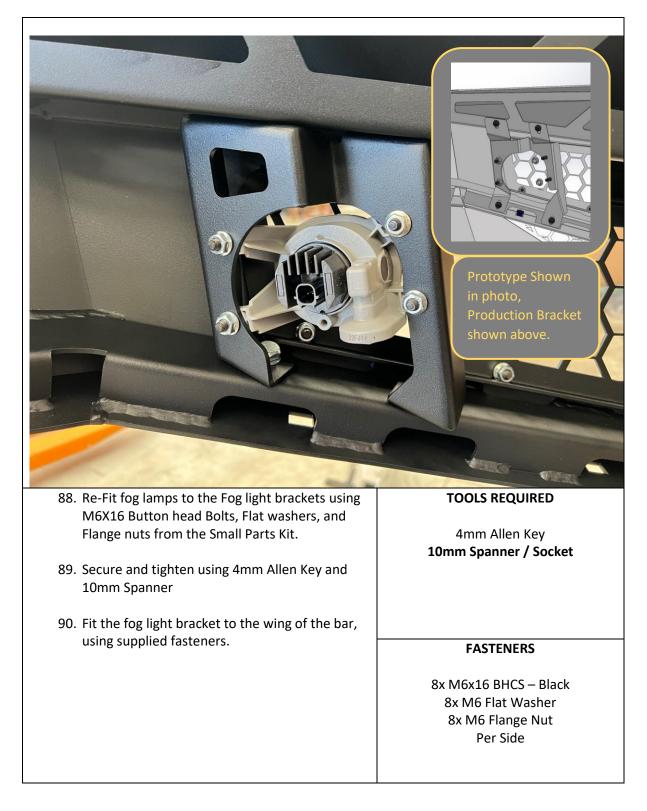
10mm Socket / Spanner 4mm hex key

## FASTENERS 2x M6x16 Black BHCS 2x M6 Black Washer 2x M6 Flange Nut

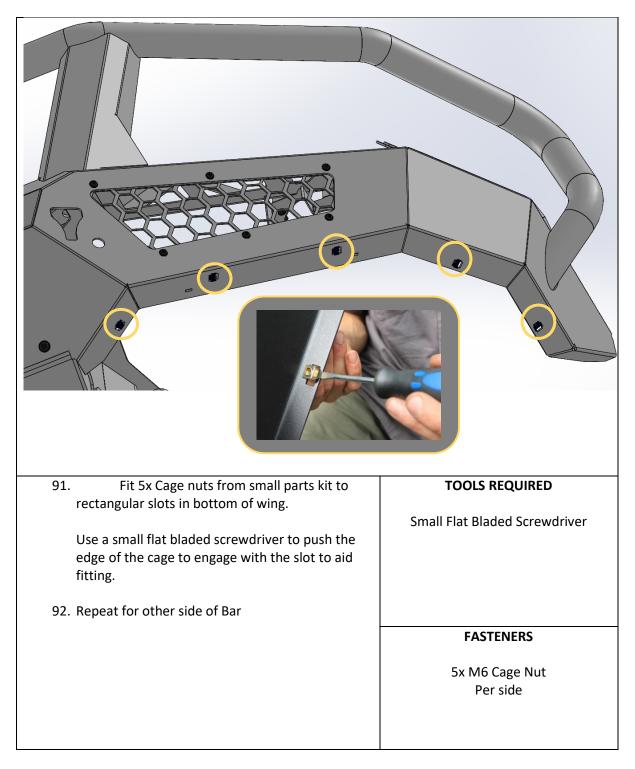




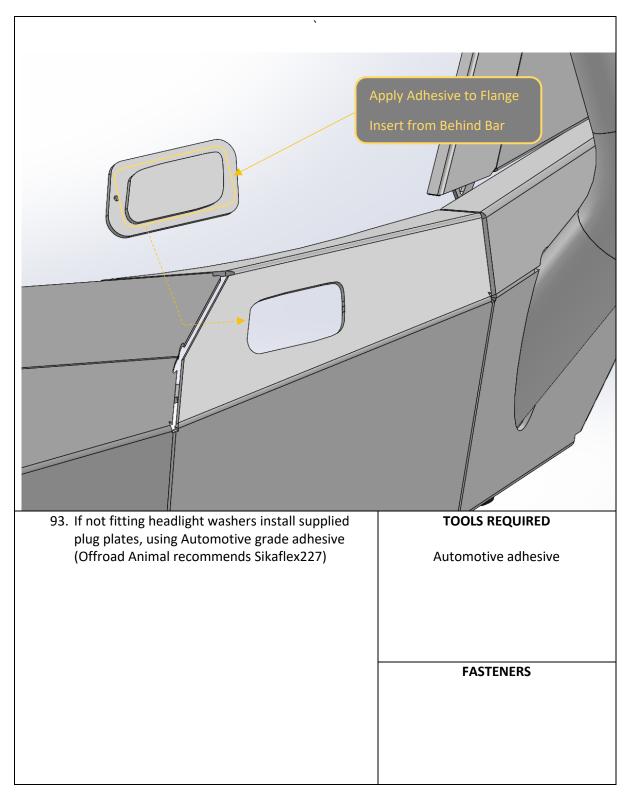




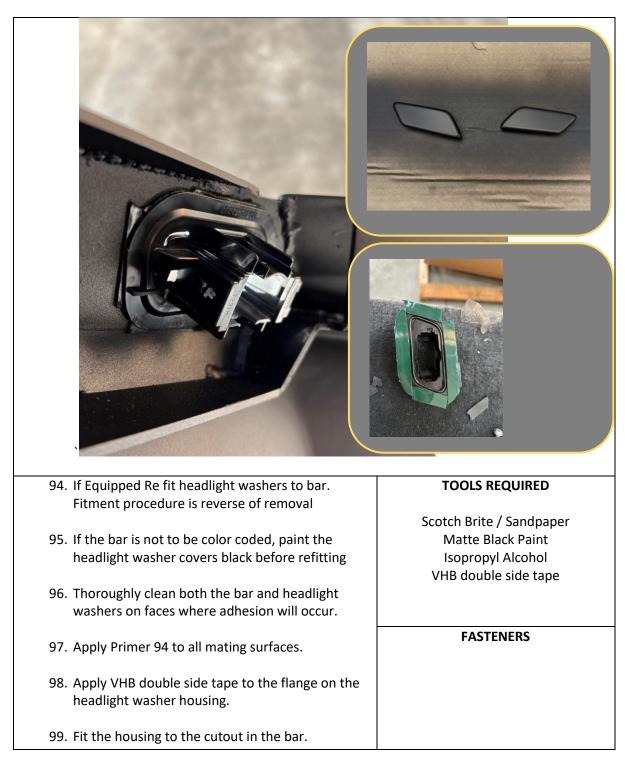


















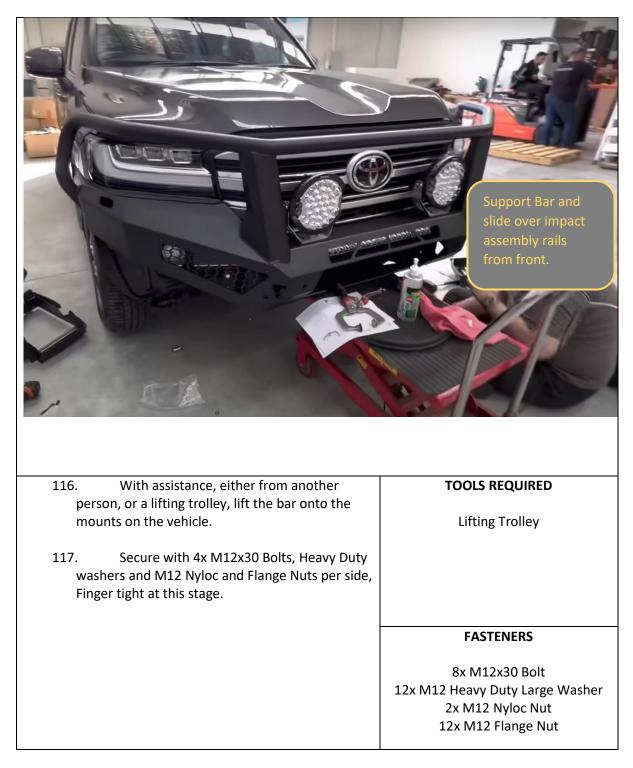
	n and apply Glue to e areas
104. Re Fit parking sensors to the bar.	TOOLS REQUIRED
105. Clean area on back side of bar adjacent to sensor holes with isopropyl alcohol.	3M Primer 94 Ampule 3M Tape Pads
106. Refit sensors to housings to help locate housing during adhesion process.	
107. Apply Primer 94 to all mating surfaces.	FASTENERS
108. Using supplied tape VHB Pads, re-fit sensor housings to the bar	
109. Refit Headlight washer hose to bar. Secure using cable ties.	
110. If parking sensor not fitted, fit cover pugs by pushing into hole.	



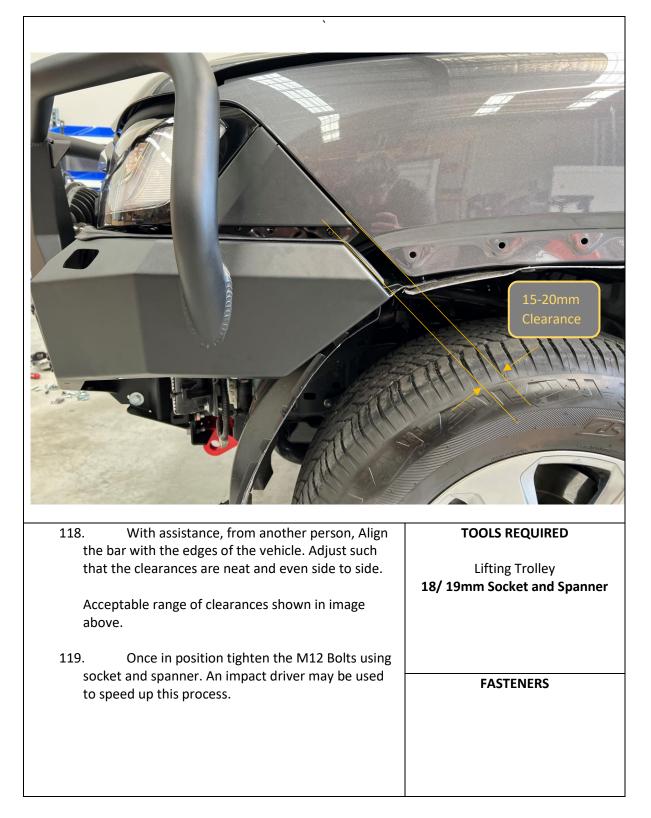
Γ

111. If Fitting ar	n integrated light bar, do so now.	TOOLS REQUIRED
112. The bar is o 22in or STEDI ST3H light bar, assemble line up with the sk	a integrated light bar, do so now. designed to fit an Offroad Animal (21.5 inch light bar. If fitting this e bar with legs out, and it will ots in the center gusset. Secure is supplied with the light bar.	TOOLS REQUIRED 13mm Spanner / Socket 4mm Hex Key
112. The bar is o 22in or STEDI ST3H light bar, assemble line up with the slo with M8 Fasteners	designed to fit an Offroad Animal (21.5 inch light bar. If fitting this e bar with legs out, and it will ots in the center gusset. Secure s supplied with the light bar. n accommodate most other "20	13mm Spanner / Socket

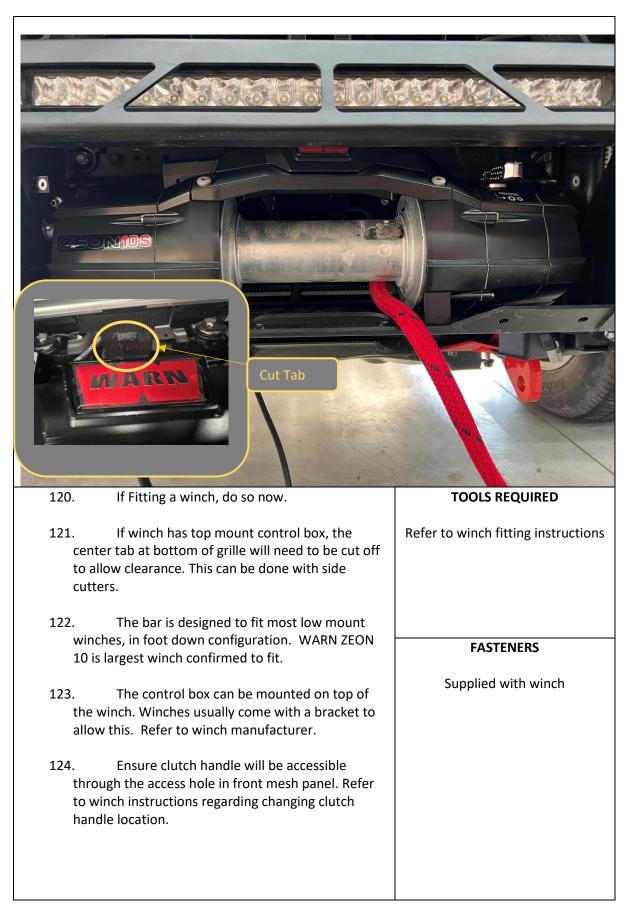




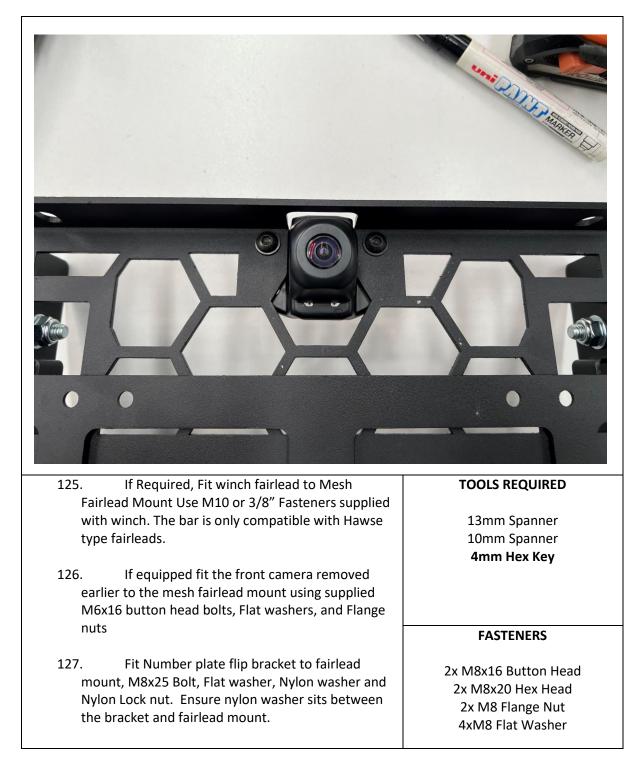




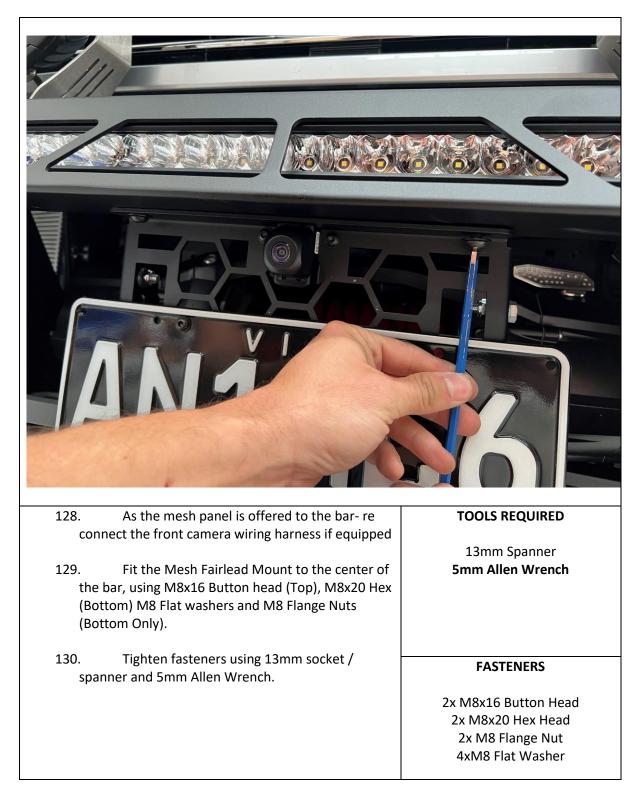




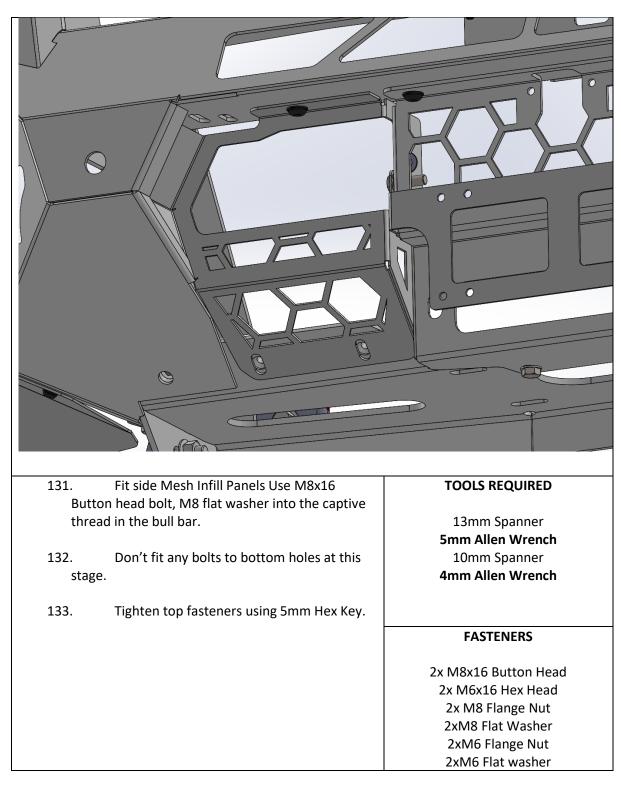


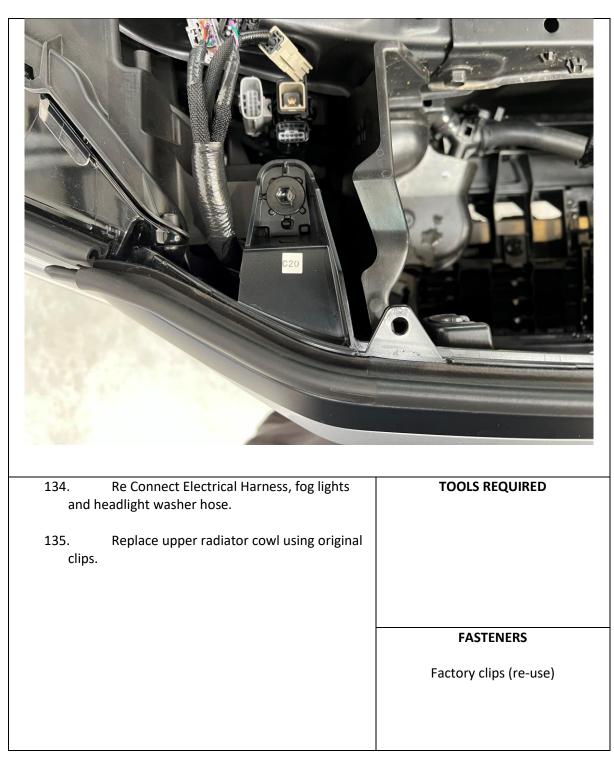




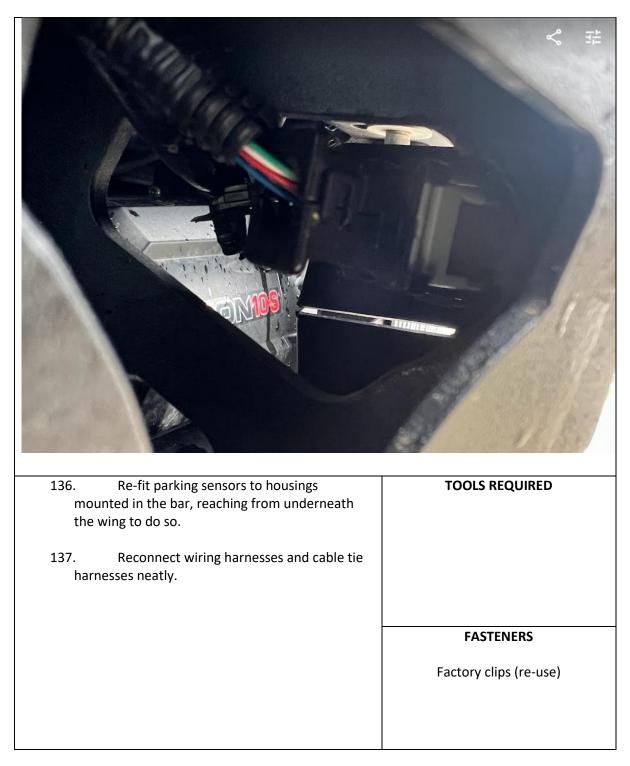




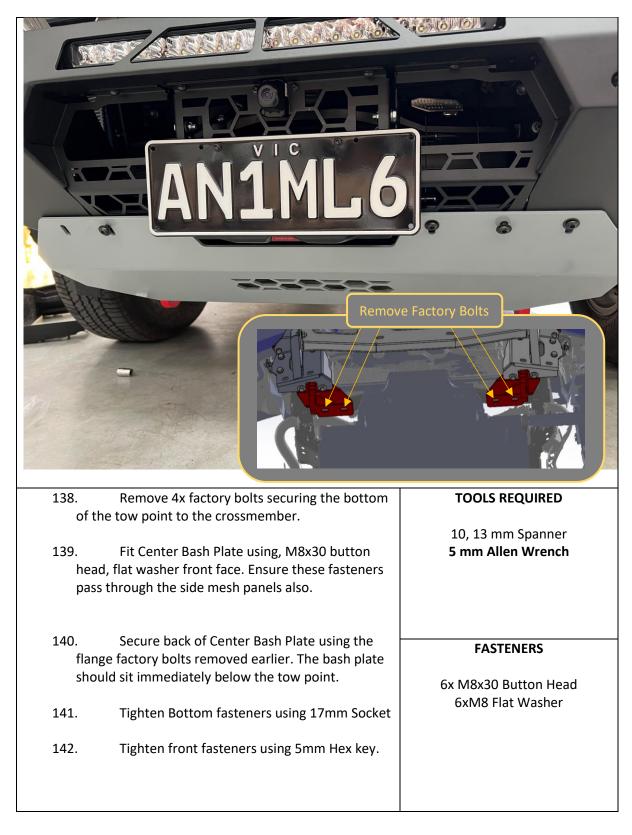




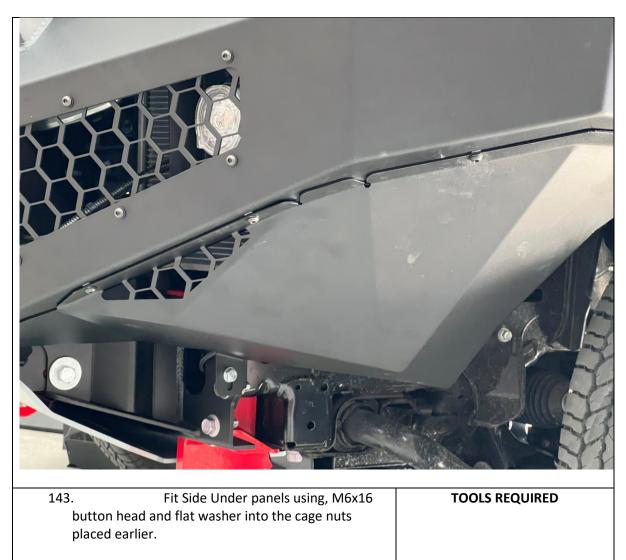












- 144. Tighten with 4mm Allen wrench
- 145. Secure back of side under panel to tow point using M8x20 Hex Bolt, Flat washer, and M8 Flange Nut.
- 146. Leave finger Tight at this stage

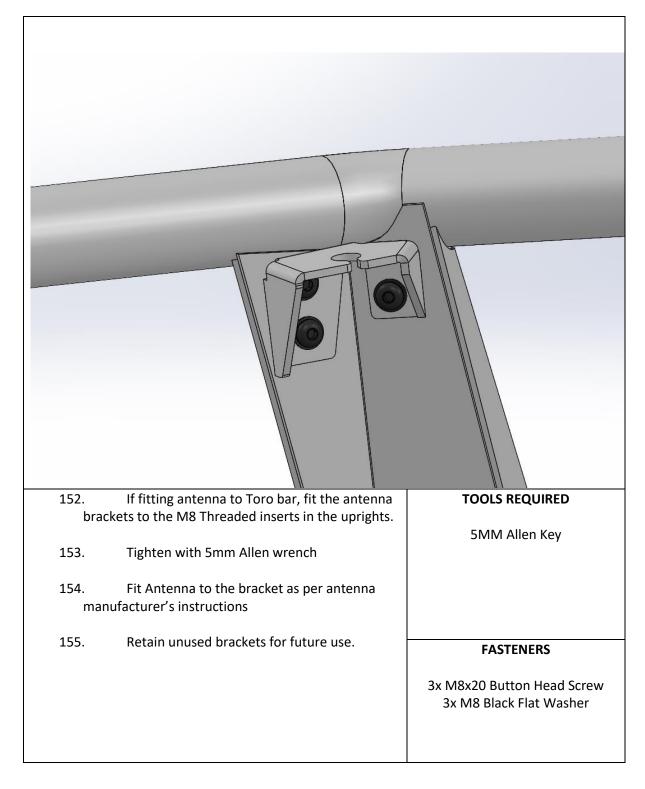
#### FASTENERS

10x M6x16 Button Head 10x M6 Flat Washer 2x M8x25 Hex Head 2x M8 Flange Nut 2x M8 Flat Washer









07/03/2024





- 156. Check all Fasteners are tight.
- 157. Re-Fit number plate to number plate flip.
- 158. Head Bush and Enjoy your newly protected Cruiser!

# For contact details see www.offroadanimal.com