

2022+ Toyota LandCruiser 300 Predator and Toro Front Bar



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	
		OR	
1	FB-TLC-300- 22-TOR-ASM1	Toyota LC300 Toro Bar Weldment	
1	FB-TLC-300- 22-PR-ASM2L	Toyota LC300 Impact Assy LH	
1	FB-TLC-300- 22-PR-ASM2R	Toyota LC300 Impact Assy RH	
1	FB-TLC-300- 22-PR-ASM3L	Toyota LC300 Predator - Tow Assy LH	



1	FB-TLC-300- 22-PR-ASM3R	Toyota LC300 Predator - Tow Assy RH	
1	FB-TLC-300- 22-PR-ASM4L	LC300 Front Headlight Washer Plug Assy LH	
1	FB-TLC-300- 22-PR-ASM4R	LC300 Front Headlight Washer Plug Assy RH	
1	B-0666	Toyota LC300 Predator - Pan Brace	• • •
1	B-0667L	Toyota LC300 Predator - Headlight Infill Panel LH	
1	B-0667R	Toyota LC300 Predator - Headlight Infill Panel RH	
1	B-0668	Toyota LC300 Predator - Number Plate Bracket	
1	B-0679L	Toyota LC300 - Fog Light Bracket LH	
1	B-0679R	Toyota LC300 - Fog Light Bracket RH	



1	B-0850L	Toyota LC300 Outer Chassis Brace LH	
1	B-0850R	Toyota LC300 Outer Chassis Brace RH	
2	B-0982	Toyota LC300 Grille Support Bracket Base	
1	B-0983L	Toyota LC300 Grille Support Bracket GX- Sahara LH	
1	B-0983R	Toyota LC300 Grille Support Bracket GX- Sahara RH	
1	M-0024	Toyota LC300 Predator - Centre Fairlead Mesh Panel	
1	M-0025L	Toyota LC300 Predator - Side Mesh Panel LH	
1	M-0025R	Toyota LC300 Predator - Side Mesh Panel RH	



1	M-0026L	Toyota LC300 Predator - Fog Light / Intercooler Mesh Panel LH	
1	M-0026R	Toyota LC300 Predator - Fog Light / Intercooler Mesh Panel RH	
1	U-0046	Toyota LC300 Predator - Centre Underpanel	525255
1	U-0047L	Toyota LC300 Predator - Side Underpanel LH	
1	U-0047R	Toyota LC300 Predator - Side Underpanel RH	
2	PWS-TOP-1000	Pinch Weld PWS51T - Top Bulb Seal 1000mm	No Image
1	FB-TLC-300- 22-PR-ADRCP	ADR Compliance Plate Landcruiser 300 Series	OPPROVAD ANIMALI 17 BANPORT COURT MORNINGTON, VCC, 5931, AUS MORNINGTON, VCC, 5931, AUS MORNINGTON, VCC, 5931, AUS NOTICE, VCC, STRUCTURES, AUS NOTICE, VCC, STRUCTURES, AUS NOTICE, VCC, VCC, STRUCTURES, AUS NOTICE, VCC, VCC, VCC, VCC, VCC, VCC, VCC, NO, AUS DESTINGTON, VCC, VCC, VCC, VCC, VCC, NO, AUS MORDON, VCC, VCC, VCC, VCC, VCC, NO, AUS MORDON, VCC, VCC, VCC, VCC, NO, AUS MORDON, VCC, VCC, VCC, VCC, NO, AUS MORDON, VCC, VCC, VCC, NO, AUS MORDON, VCC, VCC, VCC, NO, AUS MORDON, VCCC, VCC, VCC, NO, VCC, NO, VCC, VCC, VCC, NO, VCCC, N
1	FI Note	Fitting Instruction Note	No Image
1	OFA-LOGO	OFFROAD ANIMAL METAL LOGO	
1	TK-COM-PSEN- 6	Tape Kit – 6 Sensor Universal	
1	TK-FB-TLC- LC300-22	Tape Kit LC300	



	GX TRIM LEVEL ONLY				
4	СРНР029	Plasitc Hole Insert, 17.4MM, Black, Tigerlink Hardware CPHP029			
	SA	HARA / SAHARA ZX / GR SI	PORT TRIM LEVELS ONLY		
1	F-0014L	LC300 Headlight Washer Cover LH			
1	F-0014R	LC300 Headlight Washer Cover RH			
2	F-0022	LC300 Sahara ZX + GR Sport Sensor Holder	*.0002		
		TORO BARS	ONLY		
1	B-0678L	Toyota LC300 Toro - Antenna Bracket LH			
1	B-0678R	Toyota LC300 Toro - Antenna Bracket RH			



Predator Small Parts – Contained in Small Parts Kit Bag

QTY.	PART NO.	DESCRIPTION	
4	M6x16 HEX	Bolt Hex, M6x16x[1.0], GR8.8 ZP	
3	M6x12 BHCS	SCREW, BUTTON HEAD CAP, M6X12X1 GR12.9 ZP	
49	M6x16 BHCS BLACK ZINC	SCREW, BUTTON HEAD CAP, M6X16X1 GR12.9	
		BLACK ZP	
7	M6 FLAT WASHER	M6 Flat Washer	
49	M6 FLAT WASHER BLACK ZINC	M6 Flat Washer, BLACK ZINC	
40	M6 FLANGE NUT	Flange Nut, M6x1 G8.8 ZP	
10	M6CN3MM	CAGE NUT M6x2.6-3.5	
4	M8 X 20 HEX	Bolt Hex, M8X20x1.25, GR8.8 ZP	
2	M8 X 25 HEX	Bolt Hex, M8X25x1.25, GR8.8 ZP	
4	M8 X 16 BHCS BZP	SCREW, BUTTON HEAD CAP, M8X16X1.25 GR12.9	
		BLACK ZP	
6	M8 X 30 BHCS BLACK ZINC	SCREW, BUTTON HEAD CAP, M8X30X1.25 BLACK ZP	
8	M8 FLAT WASHER	M8 Flat Washer	
10	M8 FLAT WASHER- BLACK ZINC	M8 Flat Washer - BLACK ZINC	
2	M8 NYW	Washer, M8, Nylon	
2	M8 FLANGE NUT	Flange Nut, M8x1.25 G8.8 ZP	
2	M8 NYLOC	NYLOC SELF LOCKING NUT, ST STL A2 ISO	
4	M10 x 25	Bolt Hex, M10X25x[1.5], GR8.8 ZP	
4	M10 x 30	Bolt Hex, M10X30x[1.5], GR8.8 ZP	
4	M10 Flat Washer	M10 Flat Washer	
12	M10 FW LHD	WASHER, FLAT M10X28.5X2.5	
8	M10 FLANGE NUT	Flange Nut, M10x1.5 G8.8 ZP	
14	M12X30	Bolt Hex, M12X30x1.75, GR8.8 ZP	
2	M12x100	Bolt Hex, M12X100x1.75, GR8.8 ZP	
2	M12x30x1.25	Bolt Hex, M12X30x1.25, GR8.8 ZP	
10	M12 FLAT WASHER	M12 Flat Washer	
10	M12 FW LHD	M12 FW Large Heavy Duty	
14	M12 FLANGE NUT	Flange Nut, M12x1.75 G8.8 ZP	
2	M12 Nyloc nut	M12 NYLOC NUT	
2	T-0057	Toyota LC300 Tow Point Crush Tube	

Toro Small Parts – In addition to above

QTY.	PART NO.	DESCRIPTION
6	M8x20 BHCS BLACK ZINC	SCREW, BUTTON HEAD CAP, M6X16X1 GR12.9
		BLACK ZP
6	M8 FLAT WASHER- BLACK ZINC	Flange Nut, M6x1 G8.8 ZP



TOOLS REQUIRED

The following tools will be required to install the product.

Hand Tools	Power Tools	Workshop Supplies
Metric Socket Set 8-19mm	Electric/Air Impact	Panel Stand or Soft
	Driver (Optional)	Blanket
Socket Extension Bar		
		Isopropyl Alcohol
Metric Spanner Set 10-19mm		Clean Bag
Hex (Allen) Key Set 4-6mm		Clean Rag
		Cable Ties
Trim Puller Tool		
		Masking Tape
Flat Blade Screwdriver set		
		Marker Pen
Phillips Head Screwdriver set		
		Black Automotive Paint
Utility Knife		
Side Cutters		Scotch Brite or Fine Sandpaper
Side Cutters		Sanupaper
Pliers		Automotive
		Sealant/Adhesive
Soft face hammer (optional)		(Sikaflex 227 or Equiv)
		Bucket (optional)
		Hose Clamp (optional)

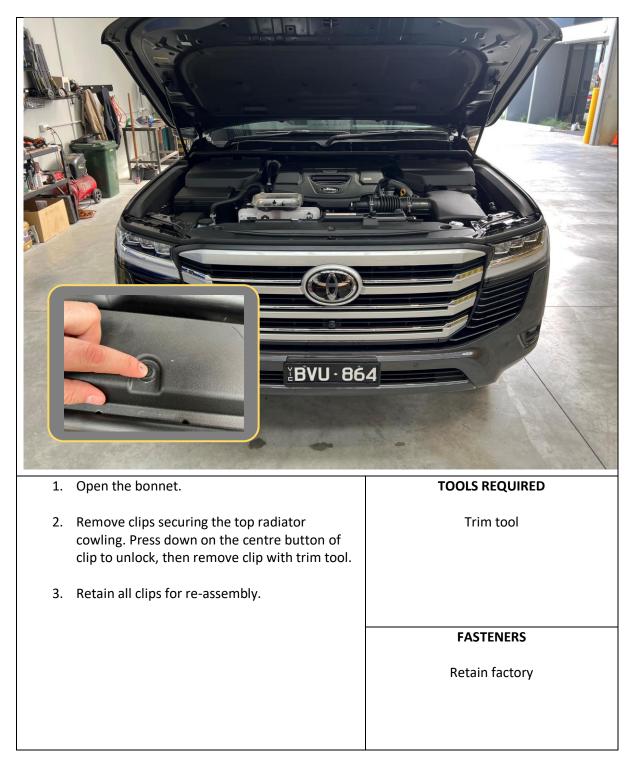


WORKSHOP SAFTEY

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.

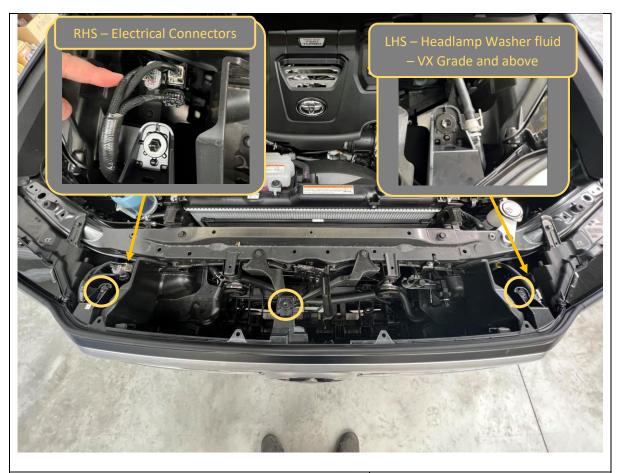
Hearing Protection	Always wear ear protection when using power tools.
Eye Protection	Ensure eye protection is always worn when cutting or drilling.
Manual Handling	Do not attempt to lift bar assemblies or rock sliders on your own. Always use two people to lift or use mechanical Lifting aid such as hydraulic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







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- 4. Remove the 3x bolts securing top of grille to body using 10mm socket.
- Disconnect the electrical harness connectors (LHS) and headlamp washer fluid connector (RHS, VX models and above). Use a bucket and hose clamp to desired to prevent washer fluid spillage.

TOOLS REQUIRED

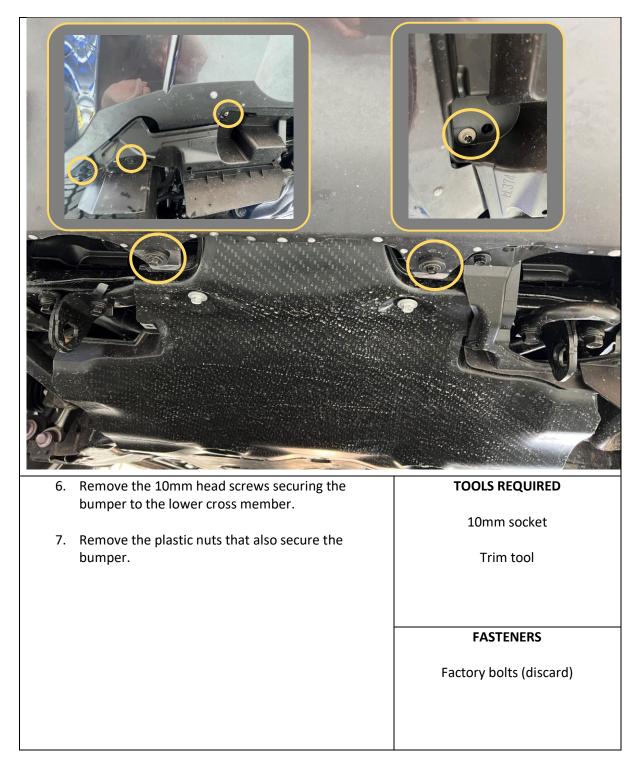
10mm socket

Bucket/hose clamp (optional)

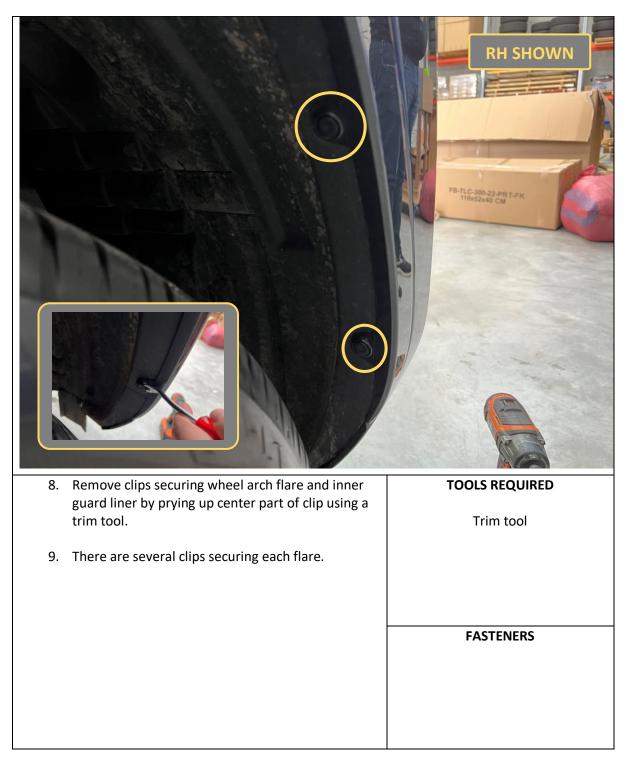
FASTENERS

Retain factory

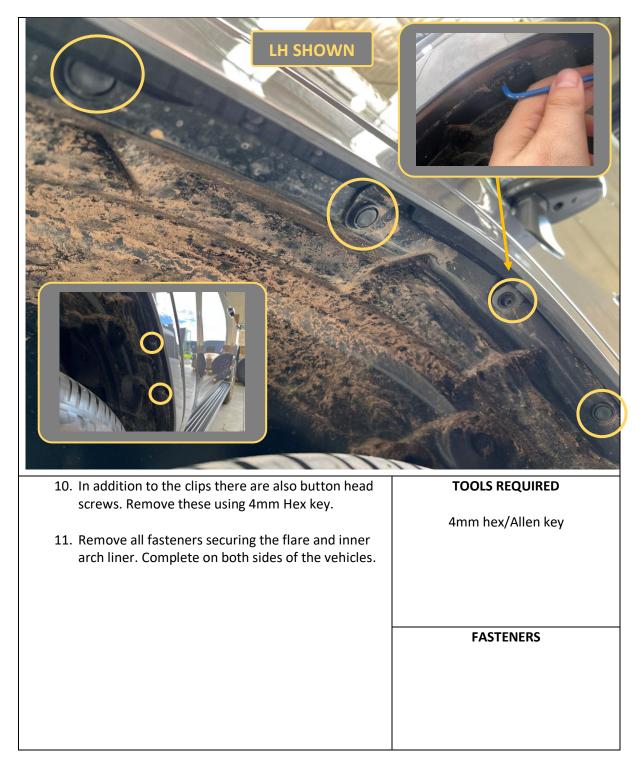




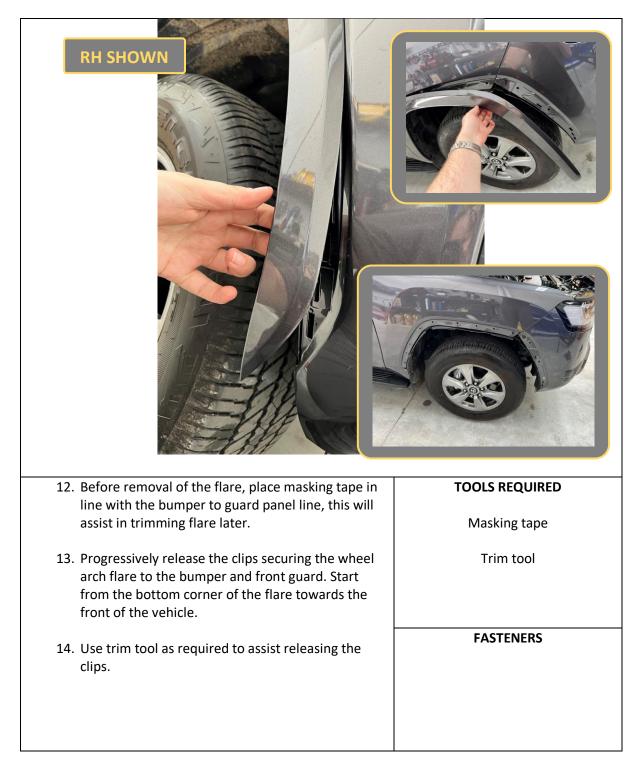




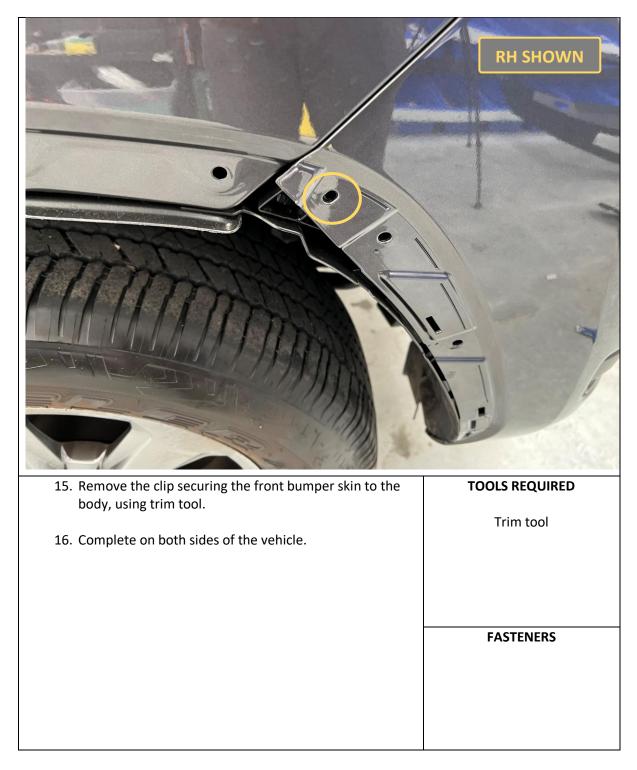




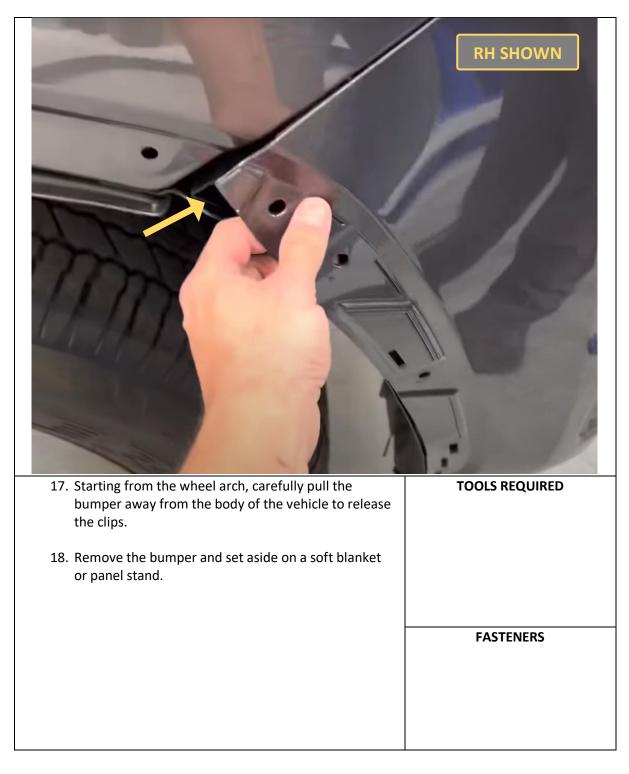




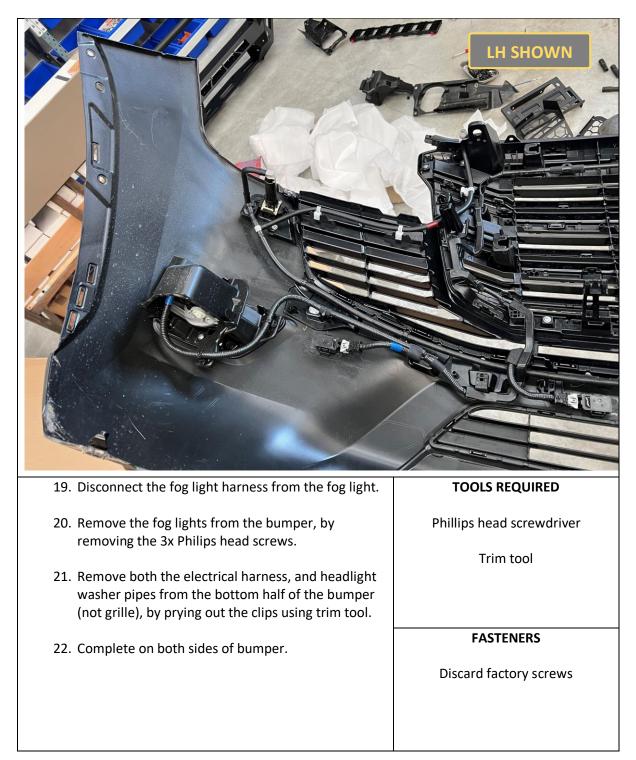




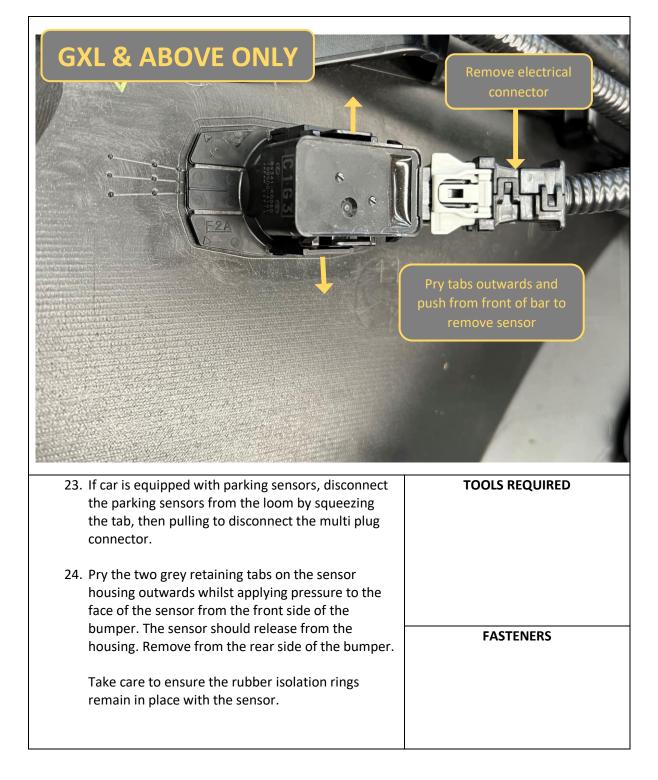




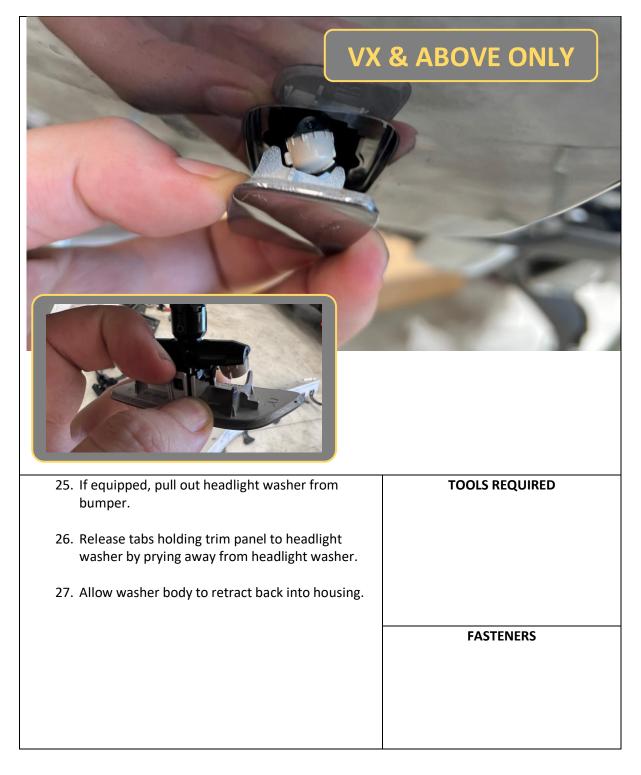




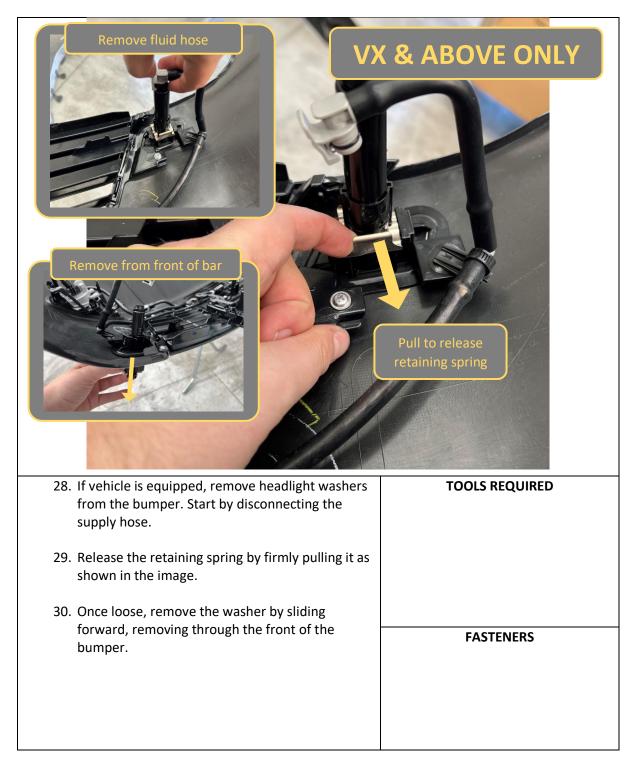




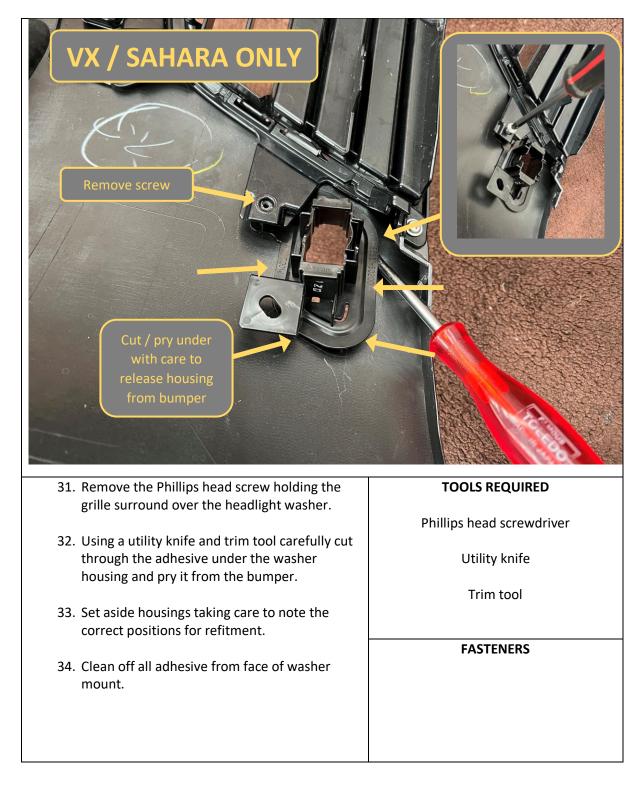




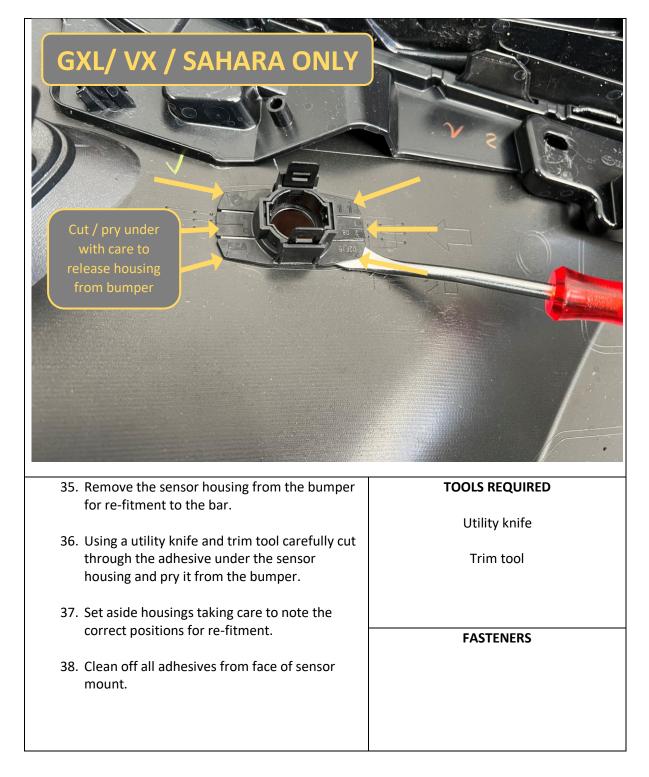




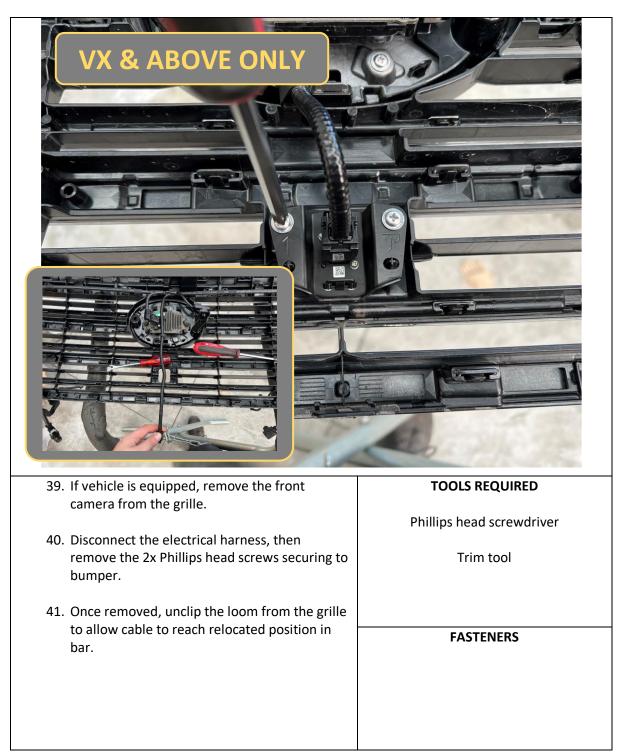




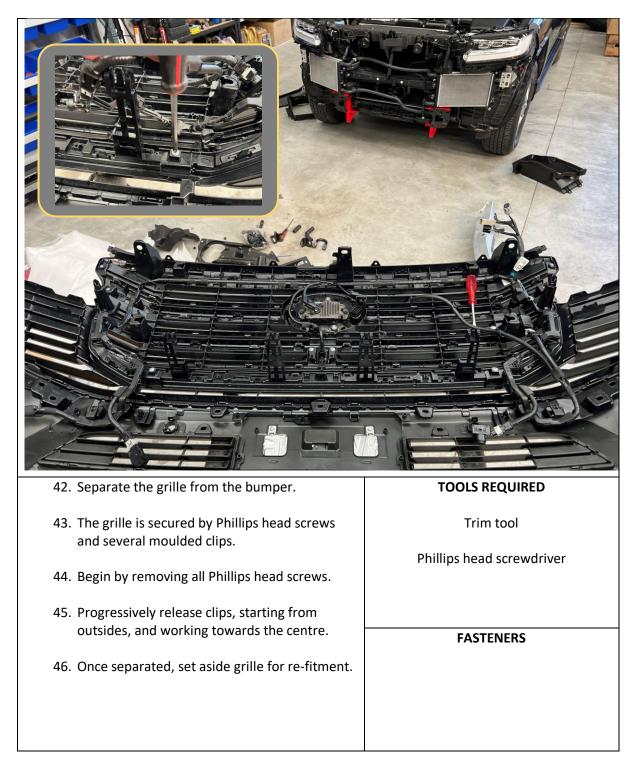




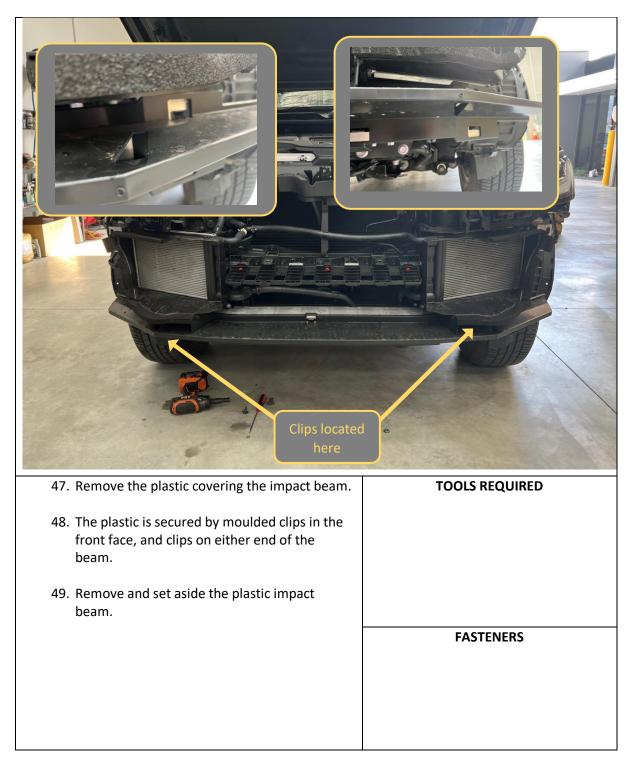




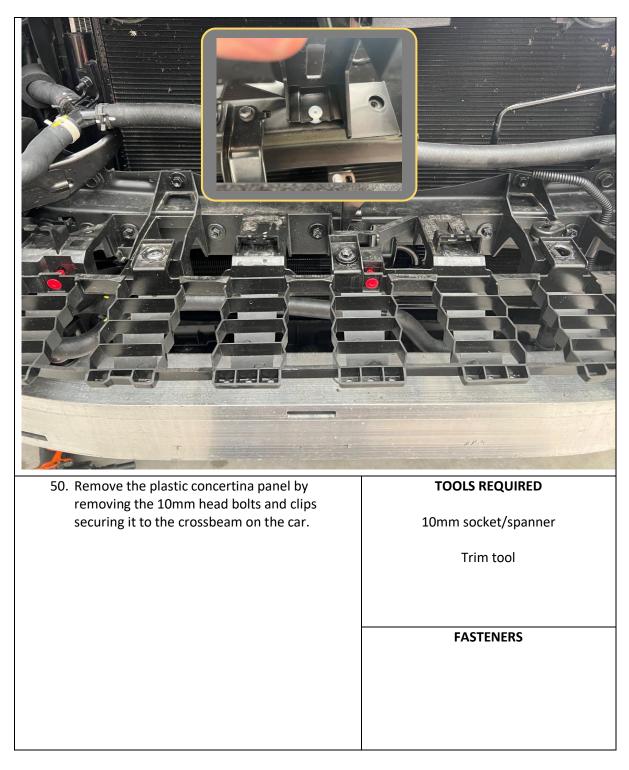




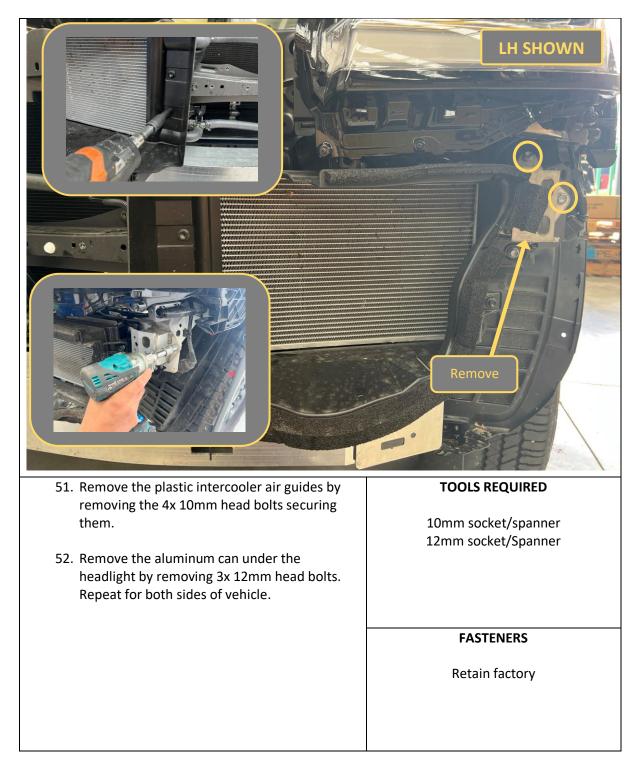




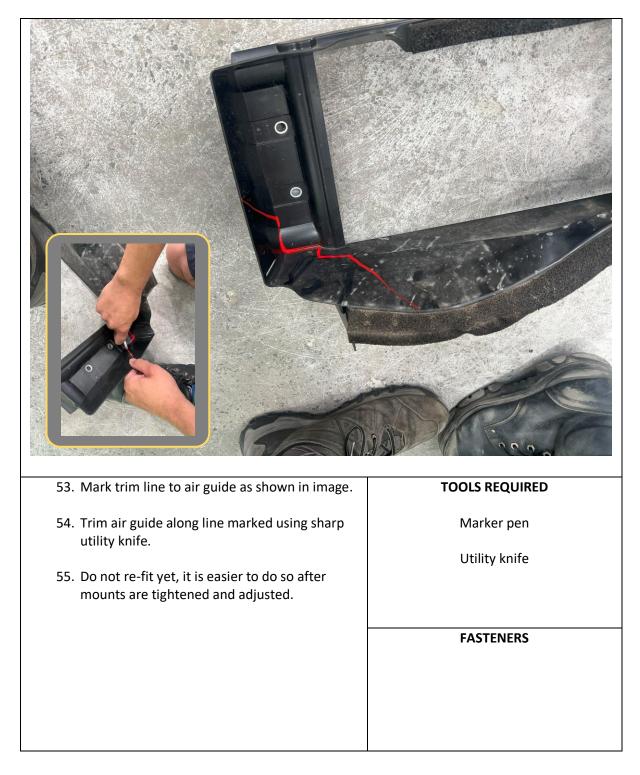








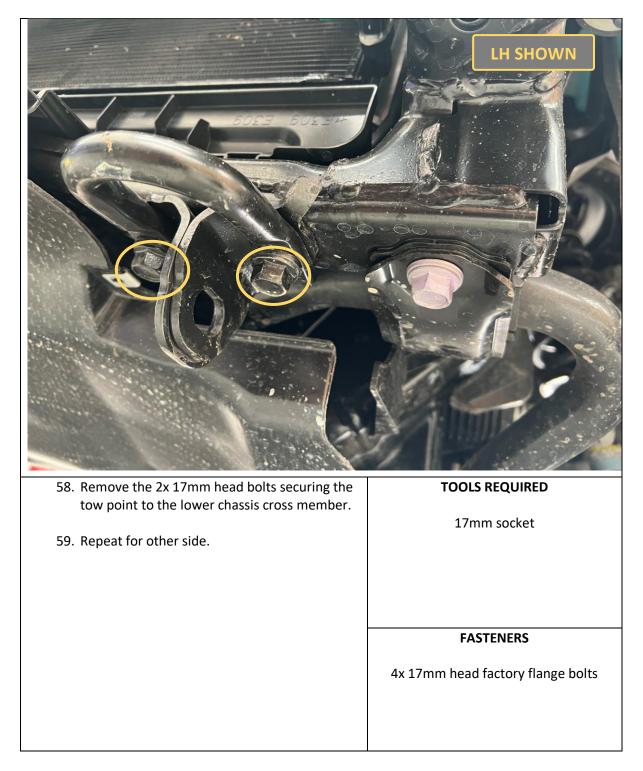




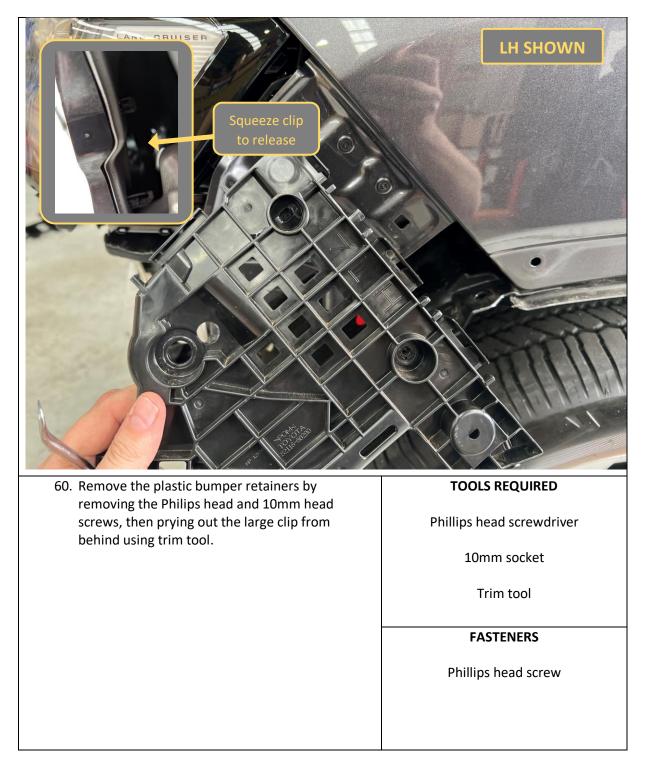




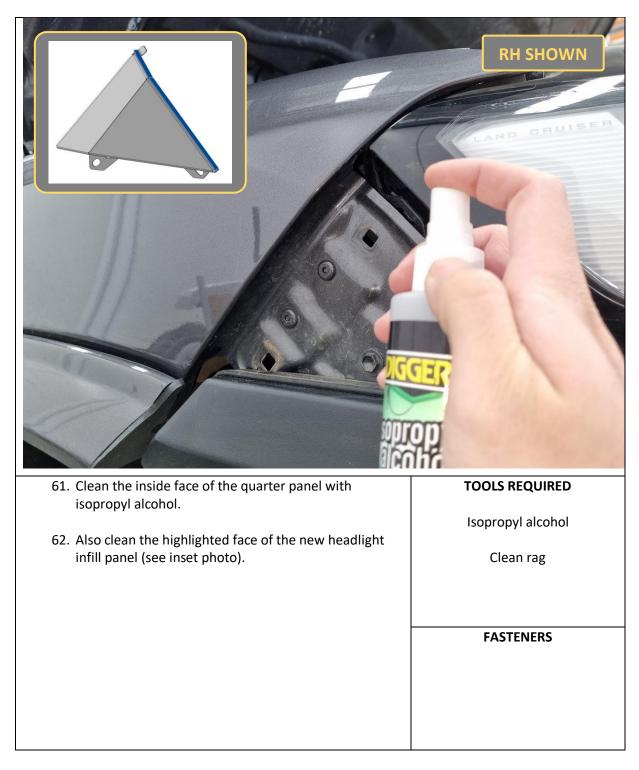




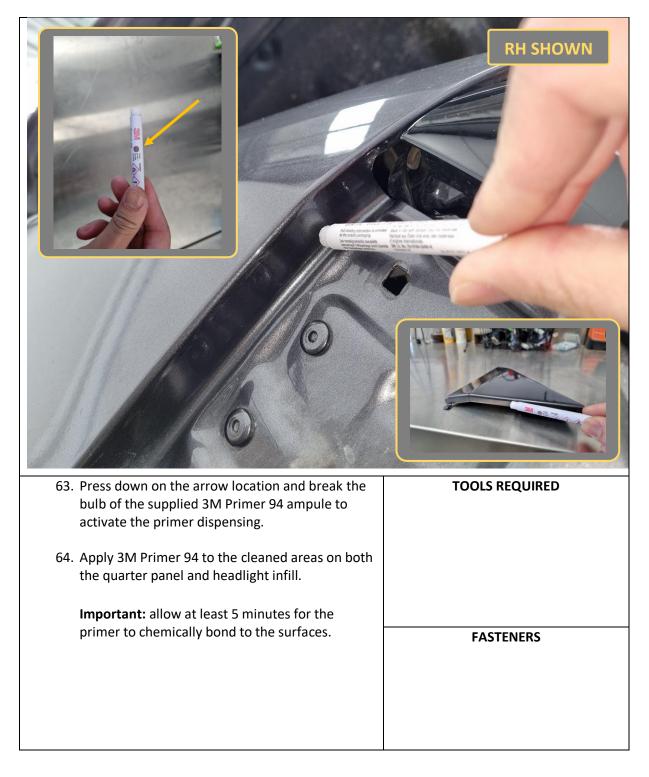




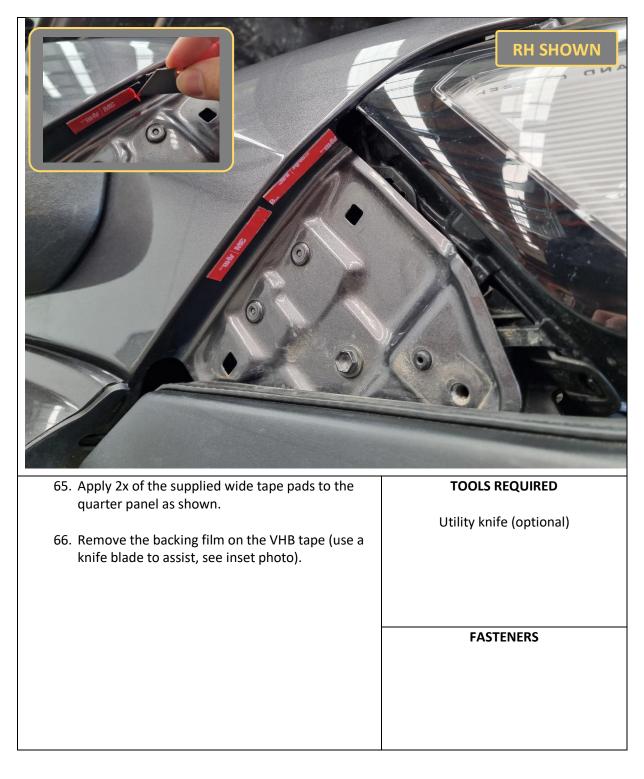




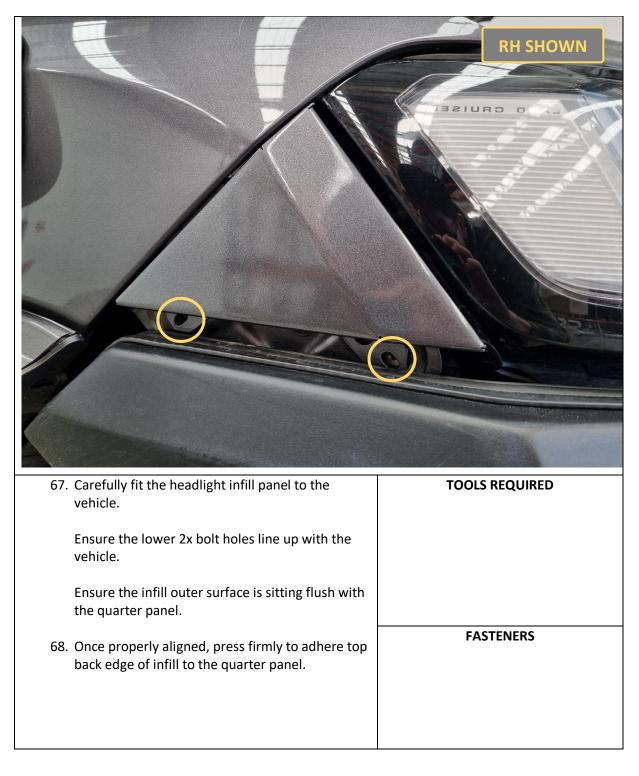




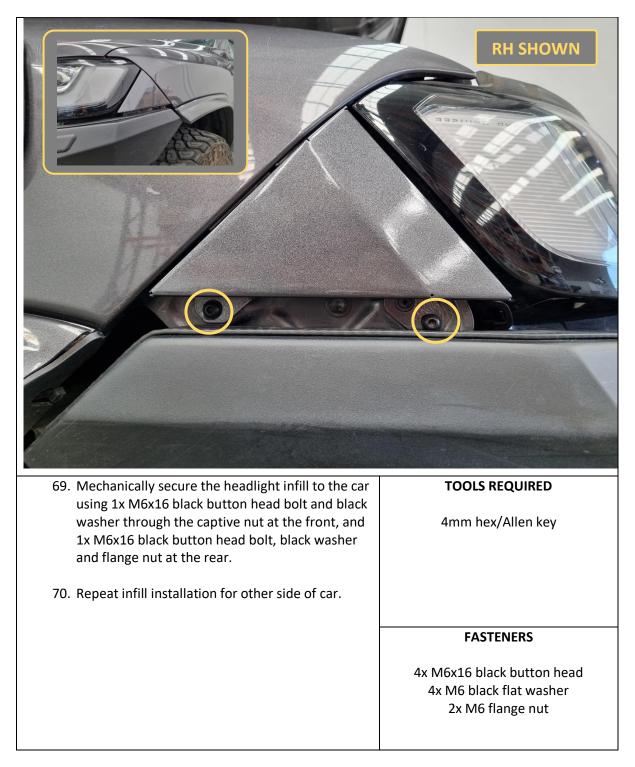




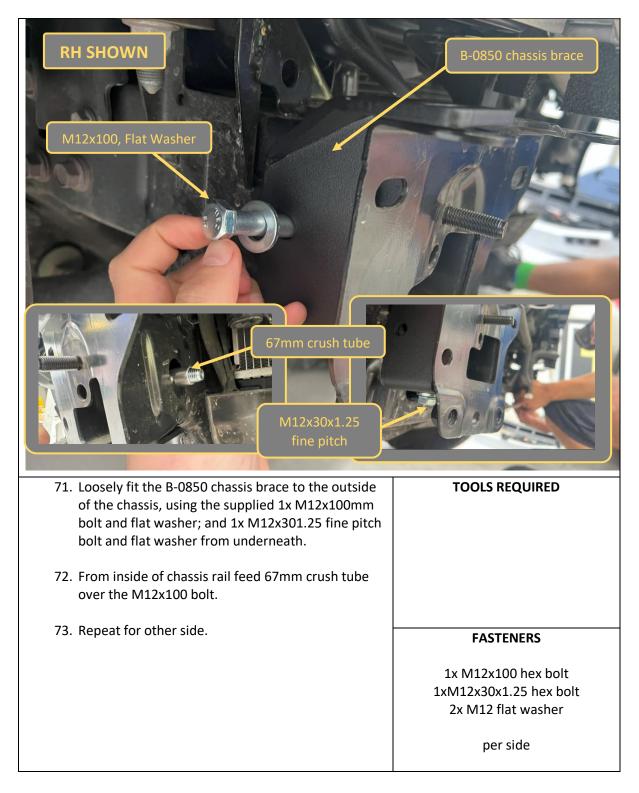




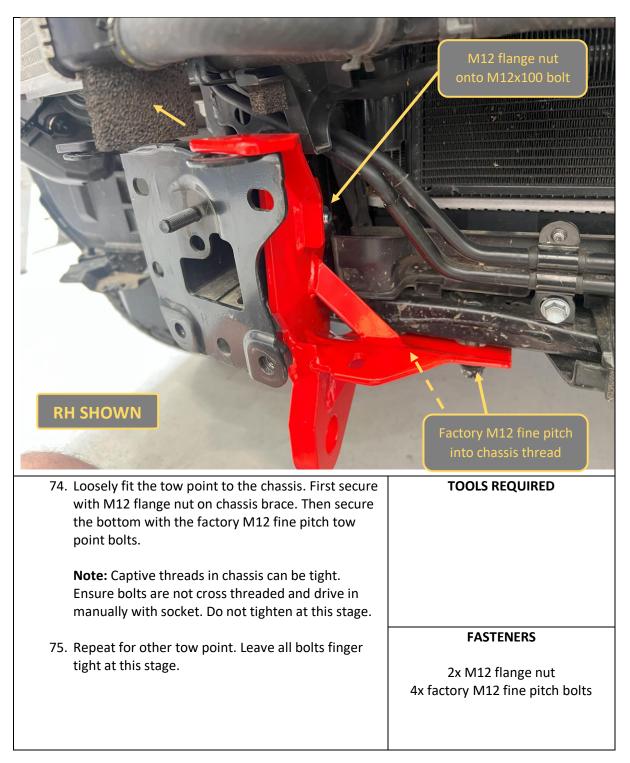




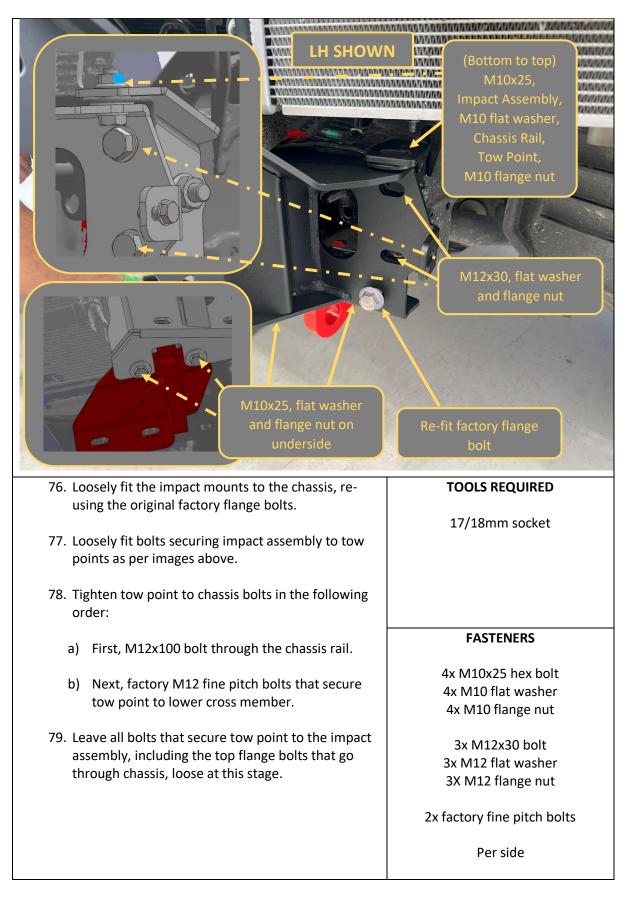




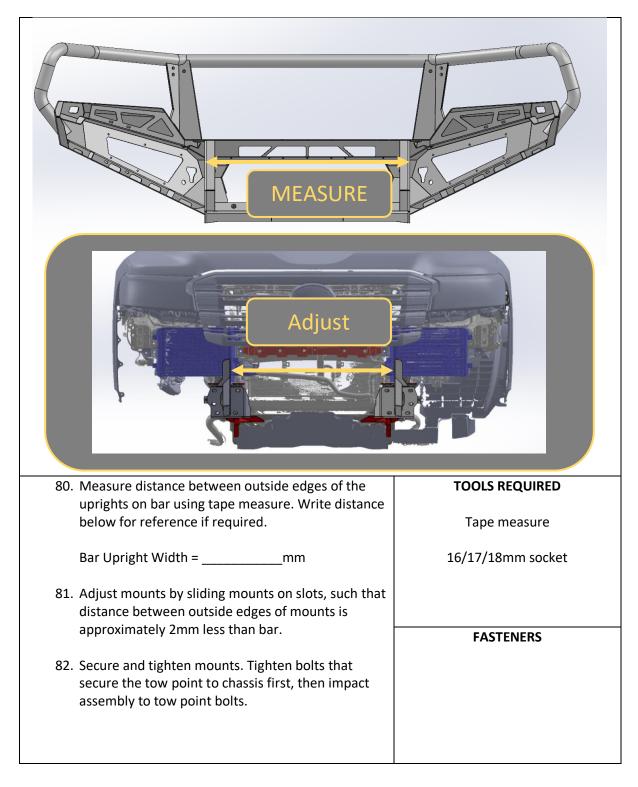




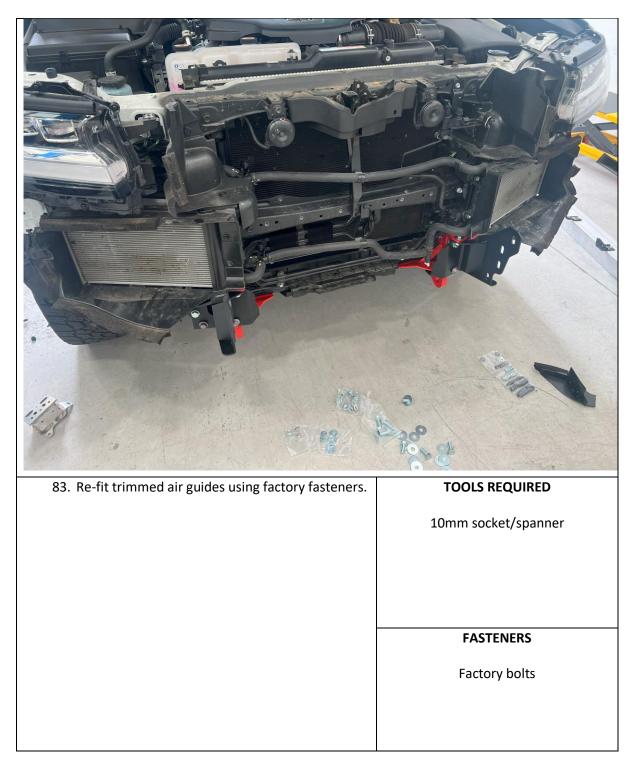




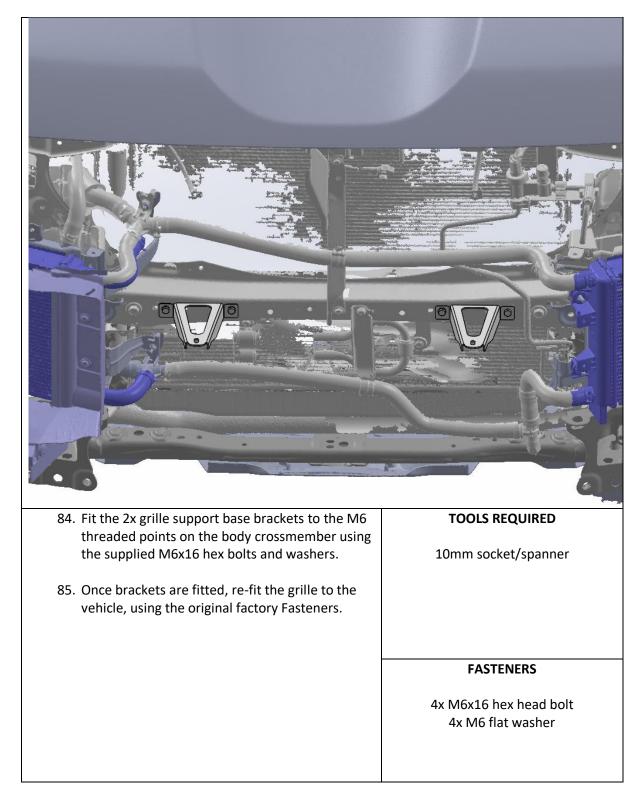
















2022+ Toyota LandCruiser 300 Predator and Toro Front Bar



87. Fit the 2x 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 <u>on TOP</u> of the base bracket, as shown in the image.

- 88. Complete for both sides of the grille.
- 89. Secure each secondary support bracket to the base bracket using 1x M6x16 black button head bolt, black flat washer, and flange nut.

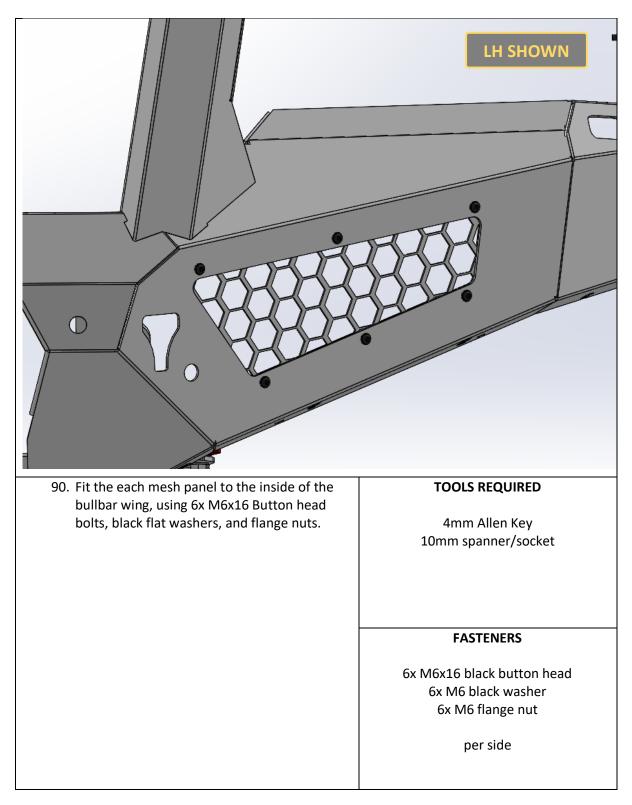
TOOLS REQUIRED

4mm Allen Key 10mm spanner/socket

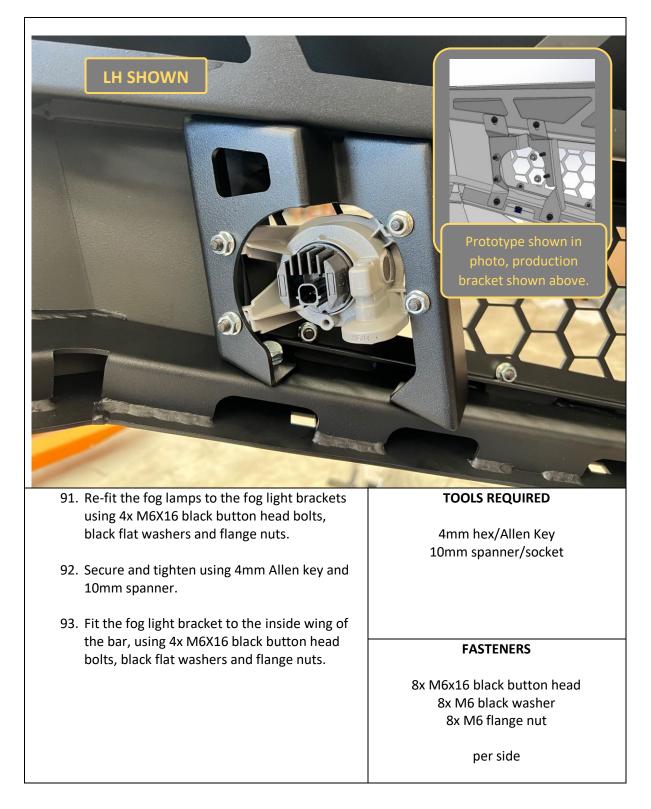
FASTENERS

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

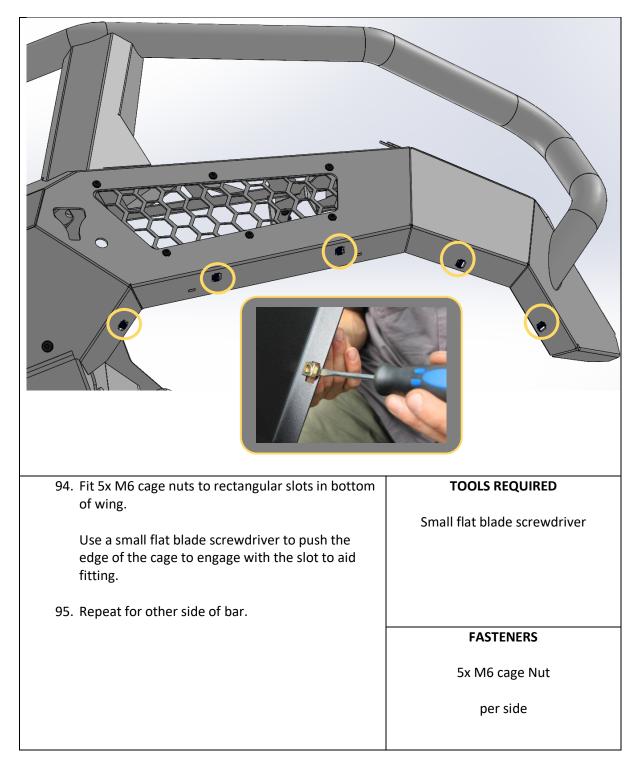








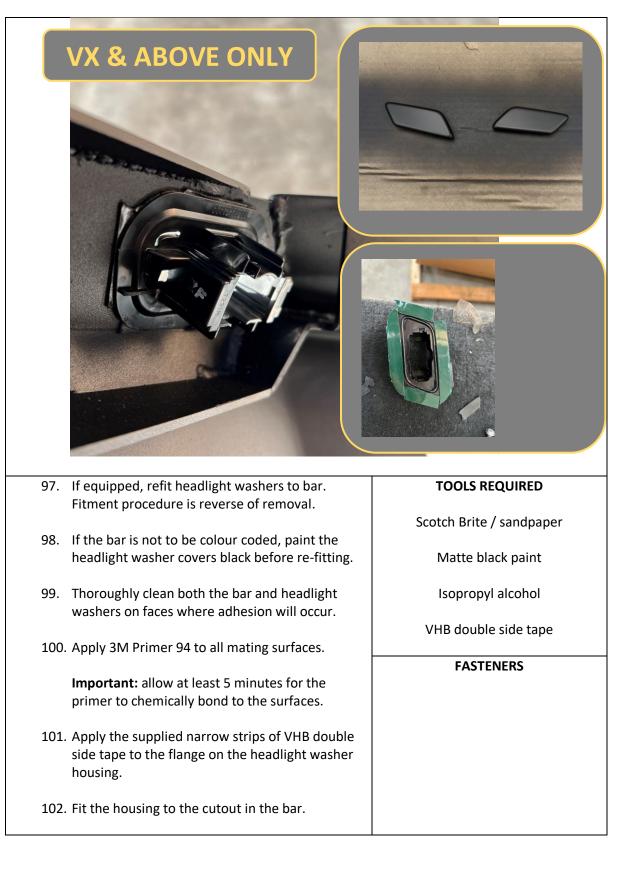






	Apply adhesive to flange Insert from behind bar
96. If not fitting headlight washers install supplied plug plates, using Automotive grade adhesive	TOOLS REQUIRED Automotive adhesive
(Offroad Animal recommends Sikaflex 227).	FASTENERS

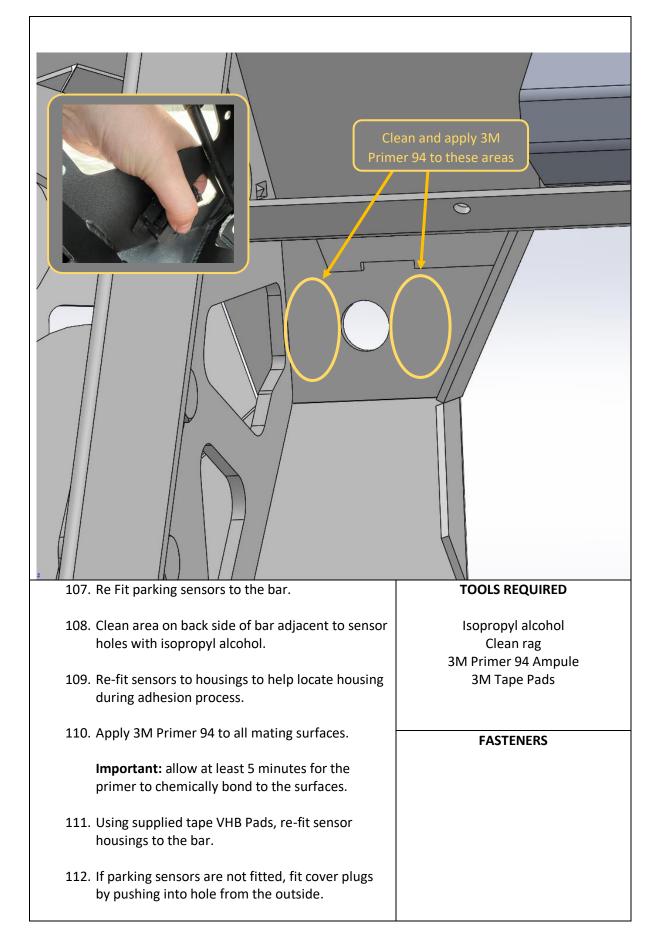










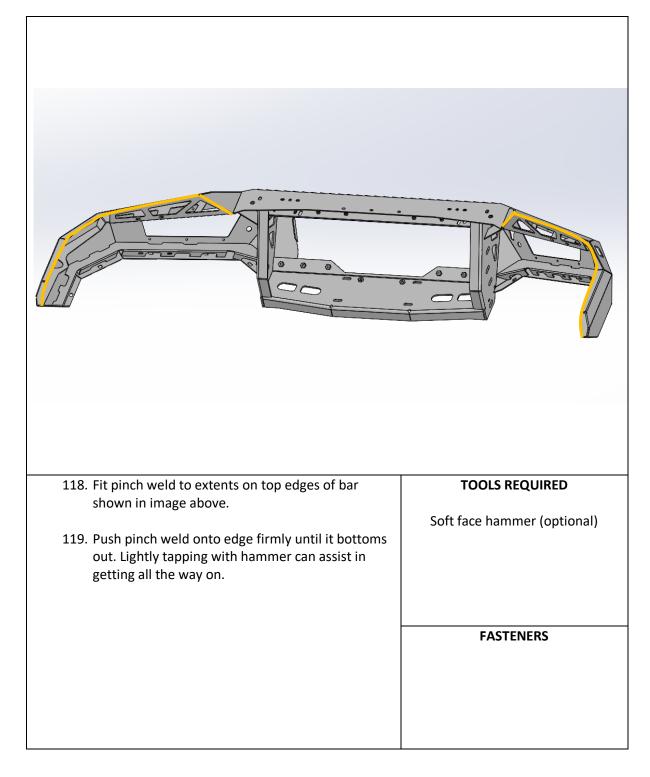




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113. If fitting an integrated light bar, do so now.	TOOLS REQUIRED
114. The bar is designed to fit an Offroad Animal 22in	Supplied with lights
or STEDI ST3K 21.5 inch light bar. If fitting this light bar, assemble bar with legs out, and it will line up with the slots in the centre gusset. Secure with M8 Fasteners supplied with the light bar.	4mm hex/Allen key
115. The bar can accommodate most other "20 inch" size light bars.	FASTENERS
116. If fitting driving lights to the bar this is also the most convenient time to do so.	Supplied with lights 3x M6x16 black button head
117. Fit the Pan brace to the back of the bar, between the pan and centre gusset, using supplied M6x16 black button head bolts (top) and M6x12 button head bolts (bottom), flat washers and flange nuts.	3x M6 black flat washer 3x M6x12 button head 3x M6 Flat washer 6x M6 flange nut

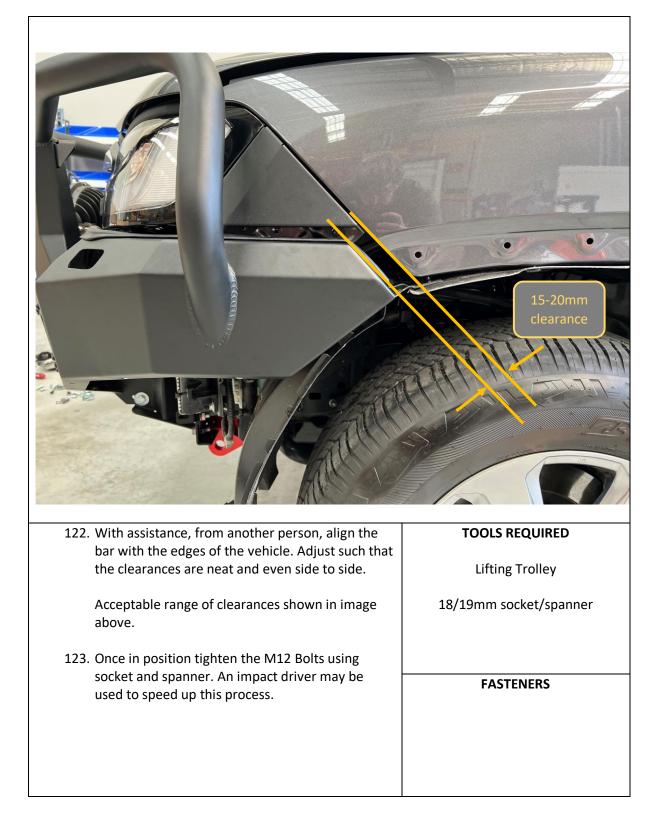




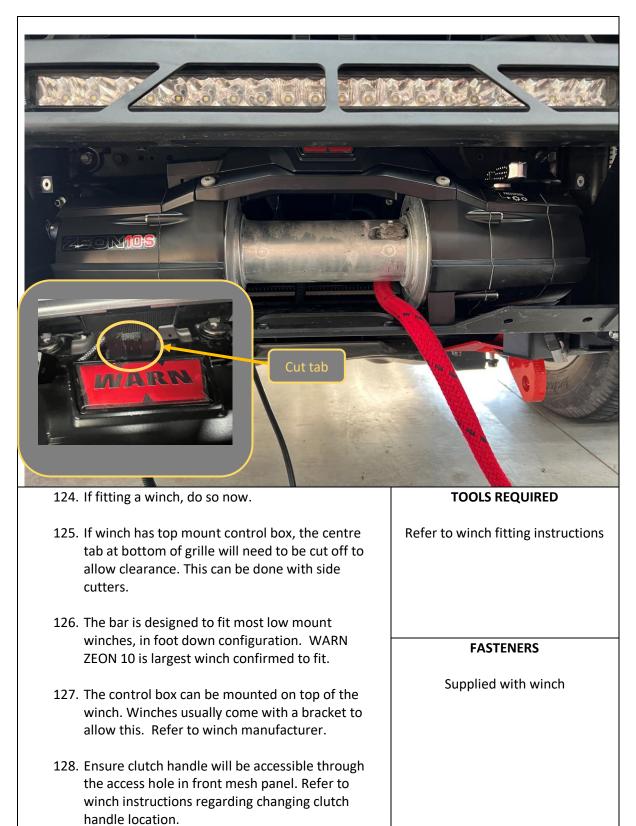




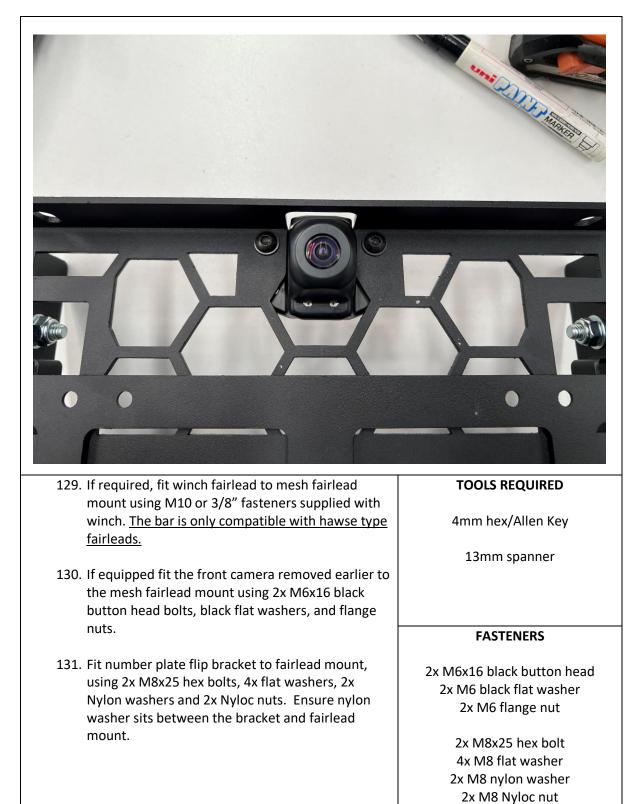




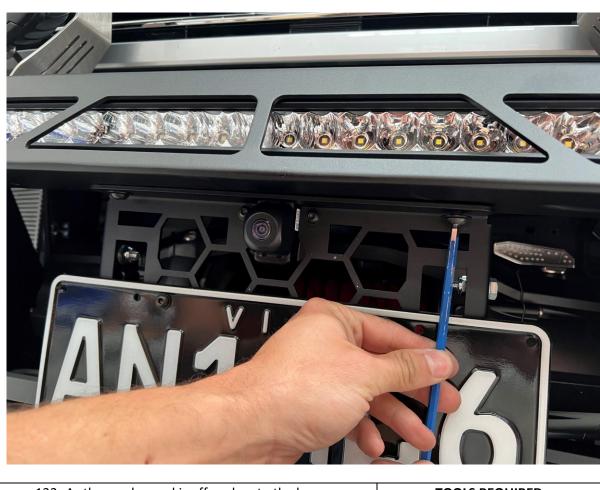












- 132. As the mesh panel is offered up to the bar, reconnect the front camera wiring harness, if equipped.
- 133. Fit the mesh fairlead mount to the centre of the bar, using 2x M8x16 black button head and black washers at the top; and 2x M8x20 hex bolts and flat washers at the bottom.
- 134. Tighten fasteners using 5mm Allen key.

TOOLS REQUIRED

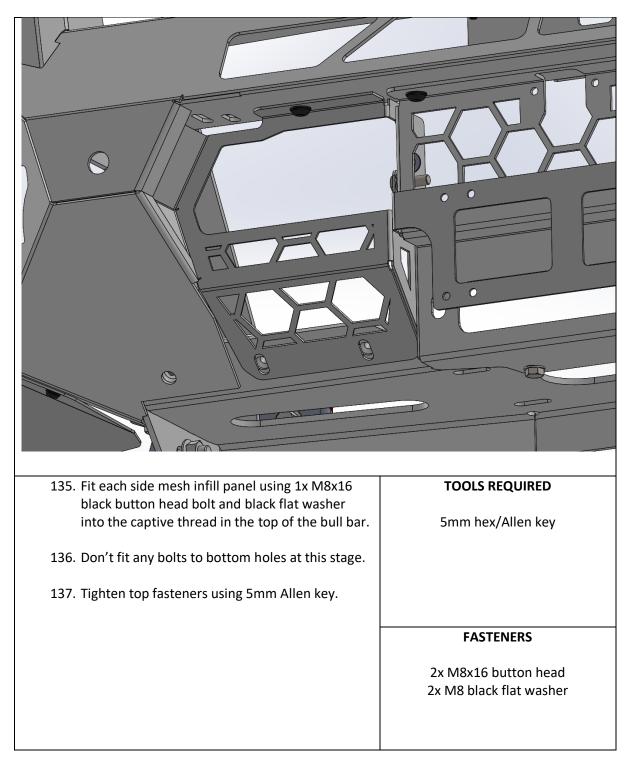
5mm hex/Allen key

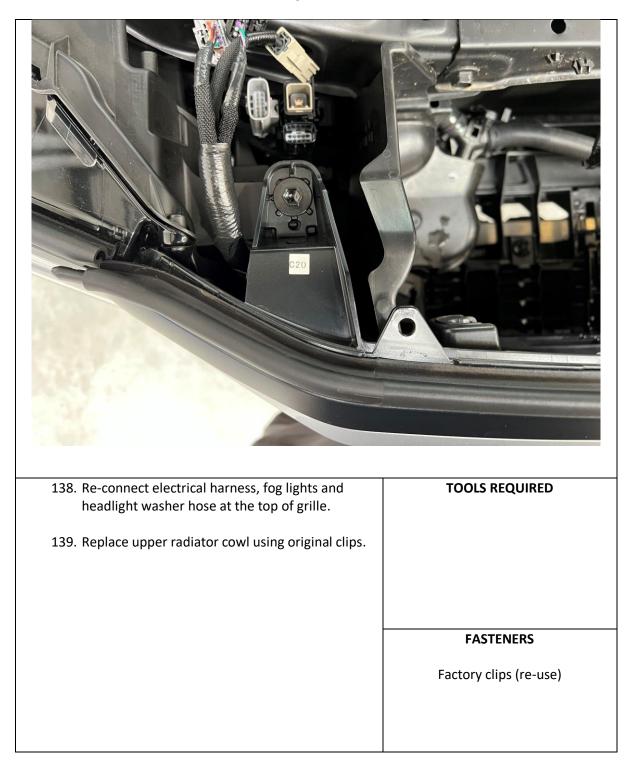
FASTENERS

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

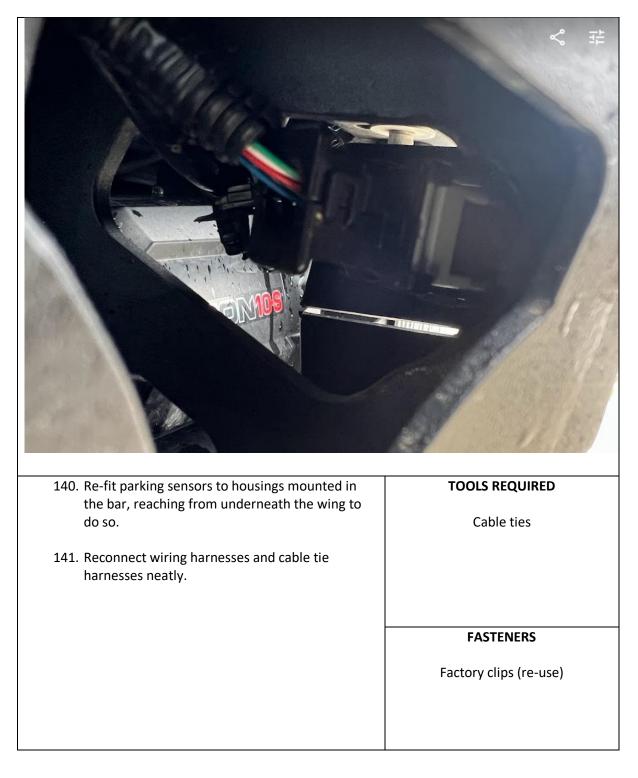
> 2x M8x20 hex head 2x M8 flat washer



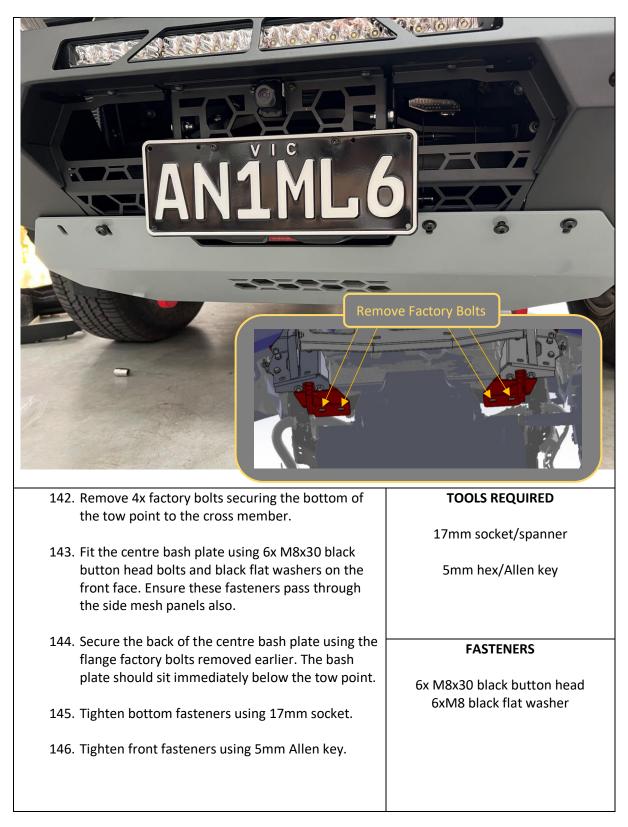














2022+ Toyota LandCruiser 300 Predator and Toro Front Bar



- 147. Loosely fit each side underpanel to the underside of the bullbar wings using 5x M6x16 black button head bolts and black flat washers into the cage nuts placed earlier.
- 148. Secure the inner back of the side underpanel to the impact assembly using 1x M8x20 hex bolt, flat washer, and flange nut.
- 149. Leave finger tight at this stage.

TOOLS REQUIRED

FASTENERS

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

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



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- 150. Using the edge of the side underpanel as a guide, mark the wheel arch liner, approximately 15mm beyond the intersection of the underpanel.
- 151. Cut along line as marked using utility knife.
- 152. Tuck the wheel arch liner behind the flange on the underpanel.
- 153. Tighten all underpanel bolts.
- 154. Complete for other side of vehicle.

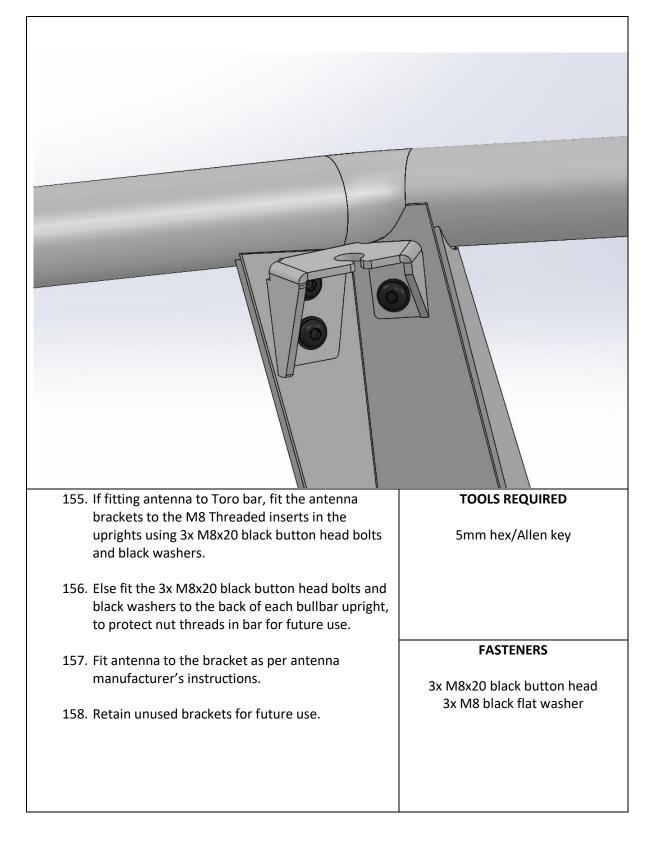
TOOLS REQUIRED

Utility knife

4mm hex/Allen key 13mm socket/spanner

FASTENERS









- Check all fasteners are tight.
- 160. Re-fit number plate to number plate flip.
- 161. Head out bush and enjoy your newly protected LandCruiser!

For contact details see www.offroadanimal.com