



Ford Ranger / Everest Next Gen

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-FRA-NG- 22-PR-ASM1	Ford Next Gen Ranger Predator Bar Weldment	
		Or	
1	FB-FRA-NG- 22-TOR- ASM1	Ford Next Gen Ranger Predator Bar Weldment	
1	FB-FRA-NG- 22-PR- ASM2L	Next Gen Ranger Impact Assy	
1	FB-FRA-NG- 22-PR- ASM2R	Next Gen Ranger Impact Assy	
1	FB-FRA-NG- 22-PR- ASM3L	Next Gen Ranger Tow Point Assy	



1	FB-FRA-NG- 22-PR- ASM3R	Next Gen Ranger Tow Point Assy	
1	FB-FRA-NG- 22-PR-ASM4	Next Gen Ranger Fairlead Mesh Assy	
1	B-0787L	Ranger Predator Intercooler / Bash Plate Tie Bracket	
1	B-0787R	Ranger Predator Intercooler / Bash Plate Tie Bracket	
1	B-0781L	Next Gen Ranger Predator Intercooler Support Bracket	
1	B-0781R	Next Gen Ranger Predator Intercooler Support Bracket	
1	M-0002L	Light Cover Mesh	
		Or	and the
1	M-0030L	Wing Mesh Panel - Toro With Indicator Repeater	



Next Gen Ford Ranger Predator Front Bar

1	M-0002R	Light Cover Mesh	CEREBO
	1	Or	
1	M-0030R	Wing Mesh Panel - Toro With Indicator Repeater	
1	B-0772L	Ford Ranger Next Gen 4 bolt Fog Light Bracket	
1	B-0772R	Ford Ranger Next Gen 4 bolt Fog Light Bracket	
1	B-0804L	Ford Ranger Next Gen Fog Light Bracket - Small 3 Bolt	
1	B-0804R	Ford Ranger Next Gen Fog Light Bracket - Small 3 Bolt	
1	U-0056	Next Gen Ranger Bash Plate	
1	U-0058L	Next Gen Ranger Side Under panel	
1	U-0058R	Next Gen Ranger Side Under panel	



Next Gen Ford Ranger Predator Front Bar

1	B-0788L	Next Gen Ranger Inside Metal Infill Pane	
1	B-0788R	Next Gen Ranger Inside Metal Infill Pane	
1	B-0780	Next Gen Ranger Predator Pan Brace	
1	P-0244	Ford Ranger Next Gen Radar Mount Plate	
1	B-0782	Ford Ranger Next Gen Predator - Number Plate Bracket	
2	P-0256	Ford Ranger Next Gen Infill Bolt plate	
1	B-0789	Next Gen Ranger Grille Support Bracket	
1	B-0837	Ford Everest U704 Grille Support Bracket	
1	N-0004	Ford Ranger P703 Radar Cover Panel	
2	F-0010	Ford Ranger Next Gen Sensor Holder - Straight	
2	F-0011	Ford Ranger Next Gen Sensor Holder - 11 Deg Horizontal	
2	F-0012	Ford Ranger Next Gen Sensor Holder - 15 Deg Horizontal	



1	F-0008L	Next Gen Ranger Outside Plastic Infill Panel	
1	F-0008R	Next Gen Ranger Outside Plastic Infill Panel	
4	СРНР020	Plasitc Hole Insert, 28MM, Black, Tigerlink Hardware CPHP020	
2	СРНР029	Plasitc Hole Insert, 17.4MM, Black, Tigerlink Hardware CPHP029	
2	PWS-TOP- 280	Pinch Weld PWS51T - Top Bulb Seal 280mm	
1	TK-COM- PSEN-6	Tape Kit - 6 Sensor Universal	No image
1	TK-FB-FRA- NG-22	Tape Kit - Next Gen Ranger Front Bar	No image

Toro ONLY Parts – In the Box

Qty	Part Number	Description	Image		
1	B-0797L	Toro Indicator Repeater Bracket	0000		
1	B-0797R	Toro Indicator Repeater Bracket			
1	11CAT1M-2	LED Autolamps 11CAT1M-2 Front Indicator - Twin Blister Pack			
	Optional Extras				
2	LM-FRA-NG- IND	Indicator Wiring Harness – Next Gen Ranger (If Optioned)			



Predator Small Parts – Contained in Small Parts Kit Bag

QTY.	PART NO.	DESCRIPTION	
35	M6 FLANGE NUT	Flange Nut, M6x1 G8.8 ZP	
47	M6 FLAT WASHER	M6 Flat Washer, 12x6.1x1, ISO4042 ZnNi	
	BLACK ZINC	BLACK PASSIVATED FINISH	
38	M6x16 BHCS BLACK	SCREW, BUTTON HEAD CAP, M6X16X1	
	ZINC	GR12.9, ISO4042 ZnNi BLACK PASSIVATED	
		FINISH	
4	M6x12 BHCS	SCREW, BUTTON HEAD CAP, M6X12X1	
10		GR12.9 ZP CAGE NUT M6x2.6-3.5	
10	M6CN3MM		
3	M6x30 BHCS BLACK	SCREW, BUTTON HEAD CAP, M6X30X1	
	ZINC	GR12.9, ISO4042 ZnNi BLACK PASSIVATED FINISH	
4	M8 X 20 BHCS BLACK	SCREW, BUTTON HEAD CAP, M8X20X1.25,	
	ZINC	ISO4042 ZnNi BLACK PASSIVATED FINISH	
10	M8 FLAT WASHER-	M8 FLAT WASHER, 16.5x8.4x1.2, ISO4042	
	BLACK ZINC	ZnNi BLACK PASSIVATED FINISH	
2	M8 X 16 BHCS BZP	SCREW, BUTTON HEAD CAP, M8X16X1.25	
		GR12.9, ISO4042 ZnNi BLACK PASSIVATED	
		FINISH	
8	M8 X 20 HEX	Bolt Hex, M8X20x1.25, GR8.8 ZP	
14	M8 HD FLAT WASHER	M8 FLAT WASHER - High Tensile	
19x8x1.9mm			
16	M8 FLANGE NUT	Flange Nut, M8x1.25 G8.8 ZP	
4	M8 FLAT WASHER	M8 FW	
2	M8 NYLOC	NYLOC SELF LOCKING NUT, ST STL A2 ISO	
2	M8 NYW	Washer, M8, Nylon	
8	M8 X 25 HEX	Bolt Hex, M8X25x1.25, GR8.8 ZP	
4	M8 X 12 HEX	Bolt Hex, M8X12x1.25, GR8.8 ZP	
2	M10 x 25	Bolt Hex, M10X25x[1.5], GR8.8 ZP	
2	M10X25 BHCS	SCREW, BUTTON HEAD CAP, M10X25X1.5	
		GR12.9 ZP	
6	M10 FLANGE NUT M10 FW LHD	Flange Nut, M10x1.5 G8.8 ZP	
6		WASHER, FLAT M10X28.5X2.5	
2	M10 X 45	Bolt Hex, M10X45X1.5, GR8.8 ZP	
2	NP-COM-M10-190- ASM0	M10 LOLLYPOP NUT PLATE 190MM LONG	
10	M12 FLANGE NUT	Flange Nut, M12x1.75 G8.8 ZP	
8	M12 FW LHD	M12 FW Large Heavy Duty	
8	M12X30	Bolt Hex, M12X30x1.75, GR8.8 ZP	
2	M12 Nyloc nut	M12 NYLOC NUT	



Toro Small Parts – Contained in Small Parts Kit Bag

QTY.	PART NO.	DESCRIPTION	
38	M6 FLANGE NUT	Flange Nut, M6x1 G8.8 ZP	
51	M6 FLAT WASHER	M6 Flat Washer, 12x6.1x1, ISO4042 ZnNi	
	BLACK ZINC	BLACK PASSIVATED FINISH	
42	M6x16 BHCS BLACK	SCREW, BUTTON HEAD CAP, M6X16X1	
	ZINC	GR12.9, ISO4042 ZnNi BLACK PASSIVATED	
		FINISH	
4	M6x12 BHCS	SCREW, BUTTON HEAD CAP, M6X12X1	
12		GR12.9 ZP	
12	M6CN3MM	CAGE NUT M6x2.6-3.5	
3	M6x30 BHCS BLACK ZINC	SCREW, BUTTON HEAD CAP, M6X30X1 GR12.9, ISO4042 ZnNi BLACK PASSIVATED	
	ZINC	FINISH	
8	M8 X 20 BHCS BLACK	SCREW, BUTTON HEAD CAP, M8X20X1.25,	
	ZINC	ISO4042 ZnNi BLACK PASSIVATED FINISH	
14	M8 FLAT WASHER-	M8 FLAT WASHER, 16.5x8.4x1.2, ISO4042	
	BLACK ZINC	ZnNi BLACK PASSIVATED FINISH	
2	M8 X 16 BHCS BZP	SCREW, BUTTON HEAD CAP, M8X16X1.25	
		GR12.9, ISO4042 ZnNi BLACK PASSIVATED	
		FINISH	
8	M8 X 20 HEX	Bolt Hex, M8X20x1.25, GR8.8 ZP	
14	M8 HD FLAT WASHER	M8 FLAT WASHER - High Tensile	
		19x8x1.9mm	
16	M8 FLANGE NUT	Flange Nut, M8x1.25 G8.8 ZP	
4	M8 FLAT WASHER	M8 FW	
2	M8 NYLOC	NYLOC SELF LOCKING NUT, ST STL A2 ISO	
2	M8 NYW	Washer, M8, Nylon	
8	M8 X 25 HEX	Bolt Hex, M8X25x1.25, GR8.8 ZP	
4	M8 X 12 HEX	Bolt Hex, M8X12x1.25, GR8.8 ZP	
2	M10 x 25	Bolt Hex, M10X25x[1.5], GR8.8 ZP	
2	M10X25 BHCS	SCREW, BUTTON HEAD CAP, M10X25X1.5	
		GR12.9 ZP	
6	M10 FLANGE NUT	Flange Nut, M10x1.5 G8.8 ZP	
6	M10 FW LHD	WASHER, FLAT M10X28.5X2.5	
2	M10 X 45	Bolt Hex, M10X45X1.5, GR8.8 ZP	
2	NP-COM-M10-190-	M10 LOLLYPOP NUT PLATE 190MM LONG	
10	ASMO	Elango Nut M12v1 75 C9 9 70	
10	M12 FLANGE NUT	Flange Nut, M12x1.75 G8.8 ZP	
8	M12 FW LHD	M12 FW Large Heavy Duty	
8	M12X30	Bolt Hex, M12X30x1.75, GR8.8 ZP	
2	M12 Nyloc nut	M12 NYLOC NUT	



TOOLS REQUIRED

The following tools will be required to install the product.

Hand Tools	Power Tools	Workshop Supplies
Metric Socket Set 8-		Panel Stand or Soft
19mm	Electric/Air Impact	Blanket
Socket Extension Bar	Driver (Optional)	Cable Ties
Metric Spanner Set 10-	Air Hacksaw	Masking Tape
19mm	Or	Black Automotive
Hex (Allen) Key Set 4-	Oscillating Multi Tool	paint
6mm	Or	Scotch Brite or Fine
Torx Key Set	Angle Grinder	Sandpaper
Trim Puller Tool		Crimp terminals (Toro
Flat Blade Screwdriver		Only)
set		
Phillips Head		
Screwdriver set		
Utility Knife		
Side Cutters		
Pliers		
Wire Strippers (Toro		
Only)		
Crimping Tool (Toro		
Only)		



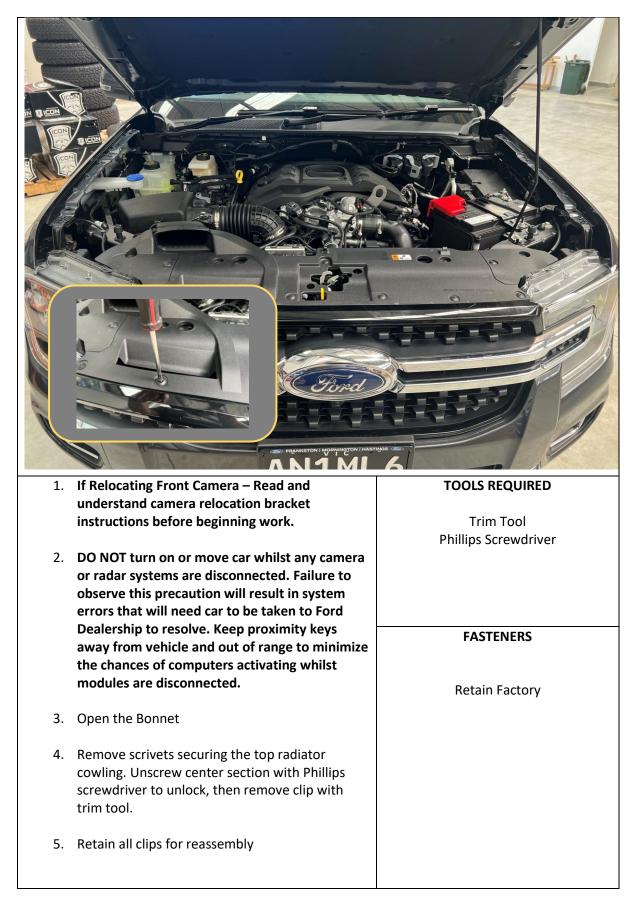
WORKSHOP SAFTEY

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.

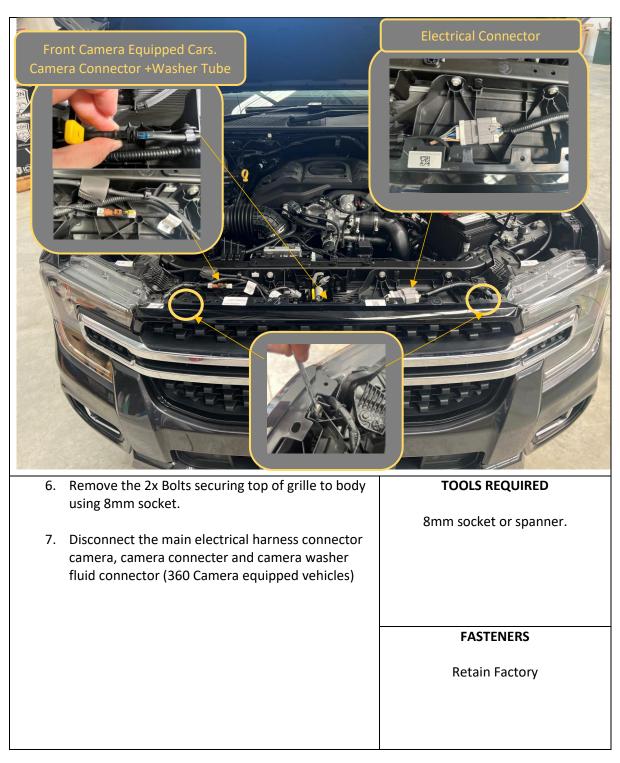
Hearing Protection	Always wear ear protection when using power tools.
Eye Protection	Ensure eye protection is always worn when cutting or drilling.
Manual Handling	Do not attempt to lift bar assemblies or rock sliders on your own. Always use two people to lift or use mechanical Lifting aid such as hydraulic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



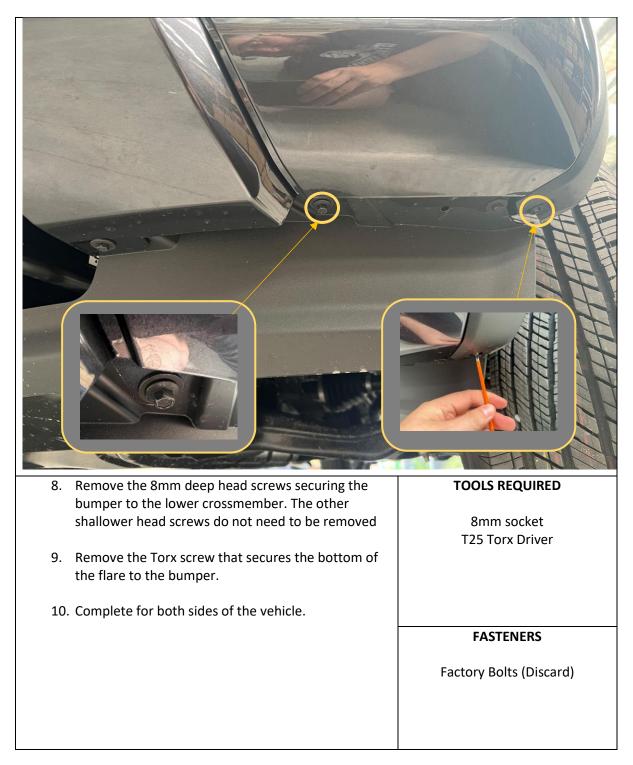
Next Gen Ford Ranger Predator Front Bar



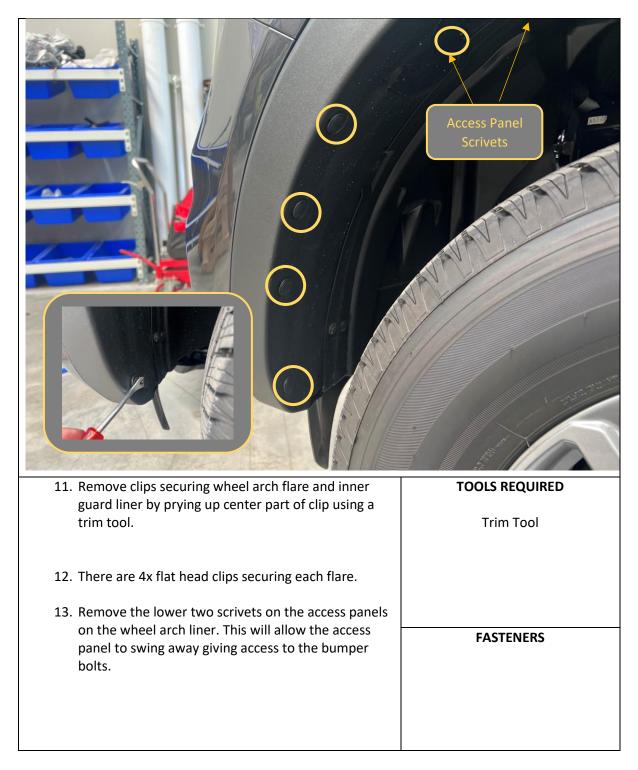




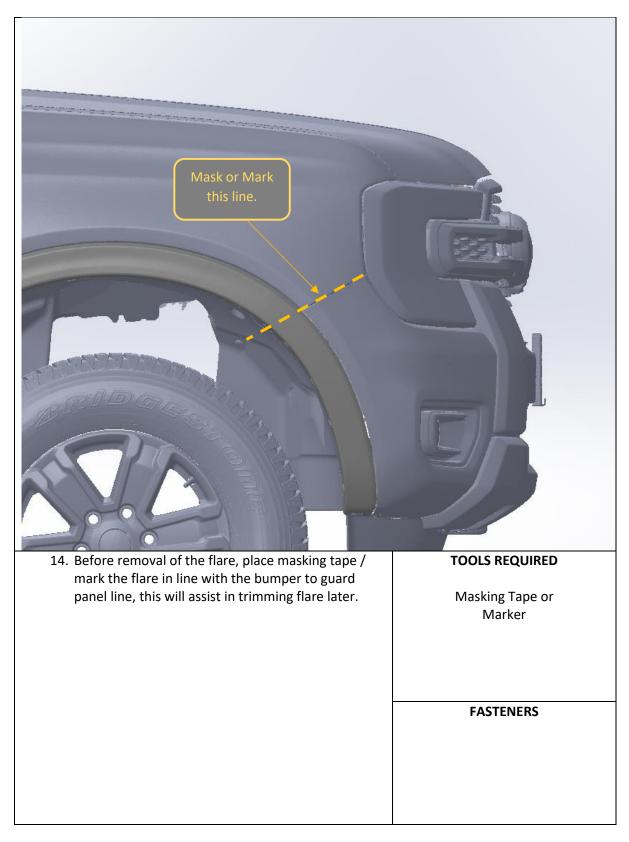




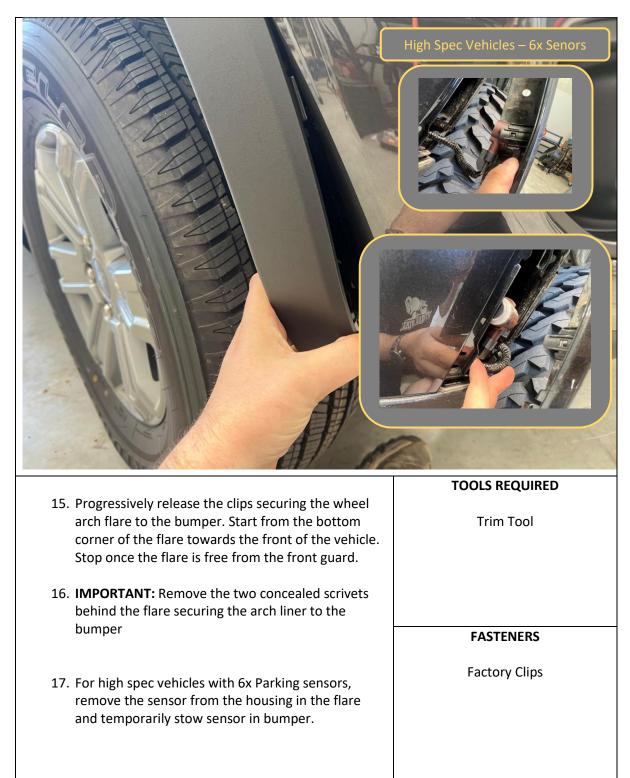




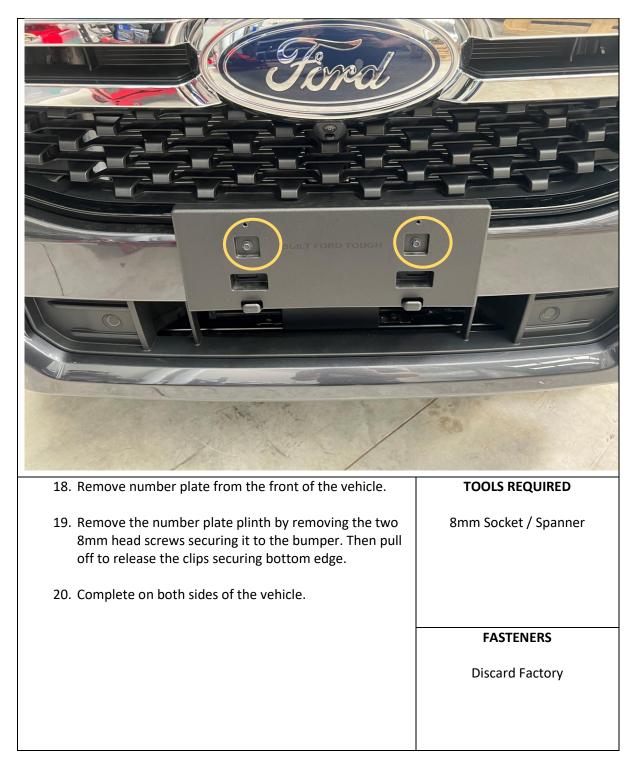




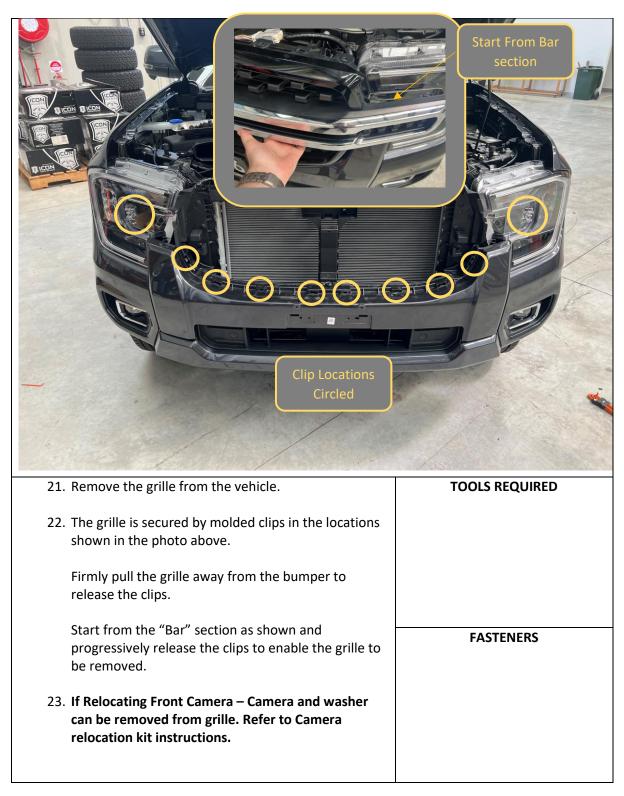




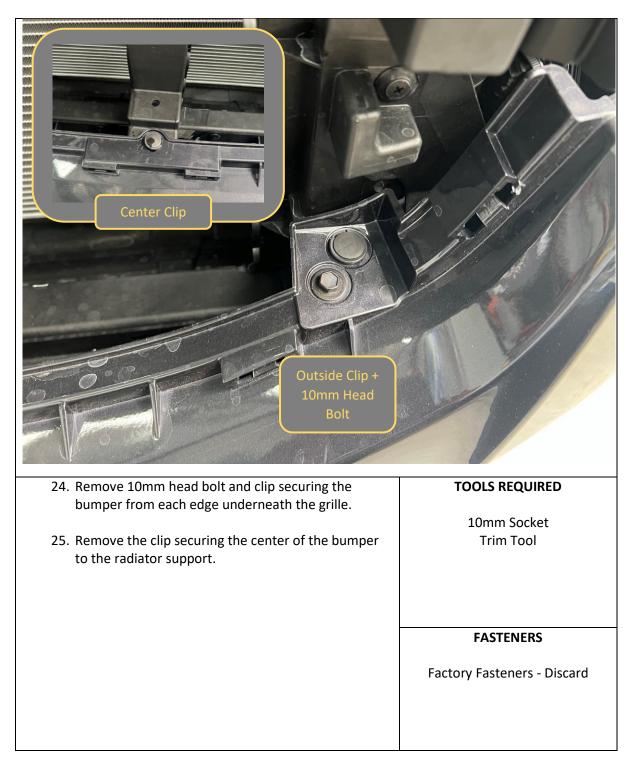




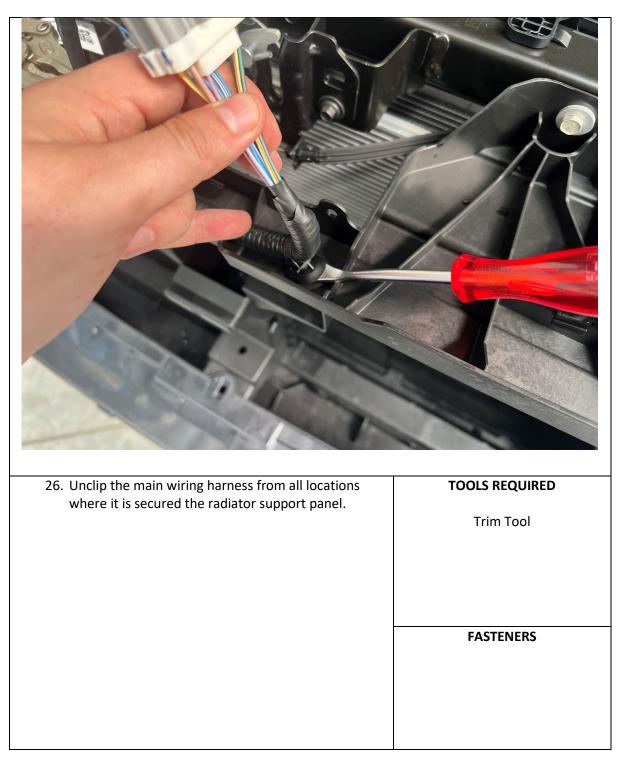




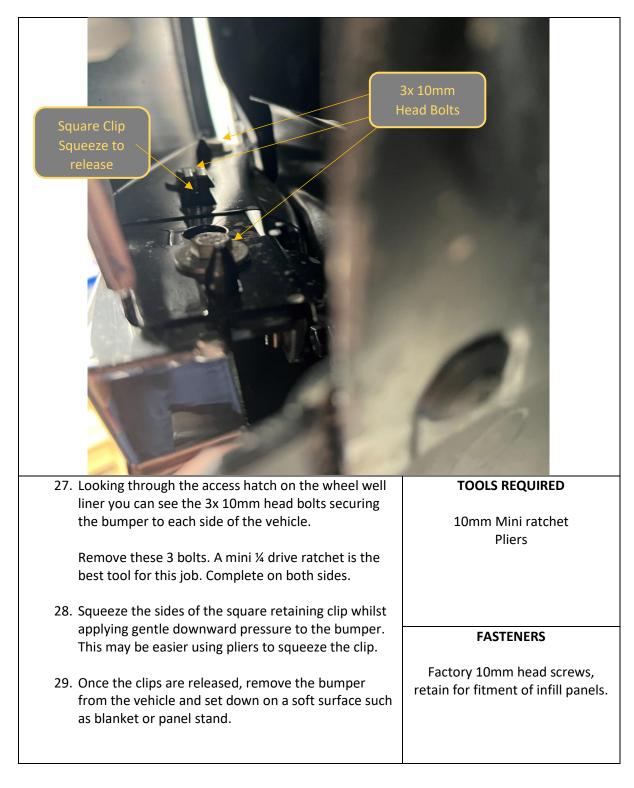




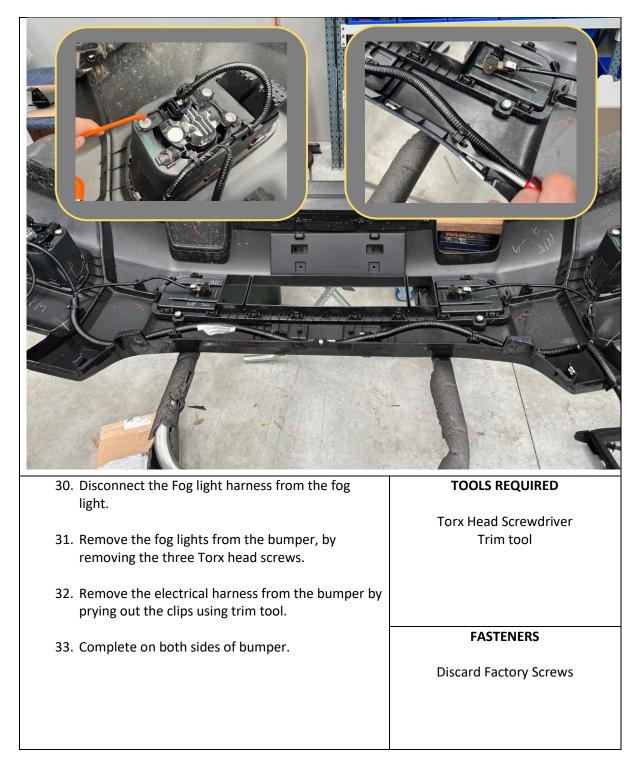




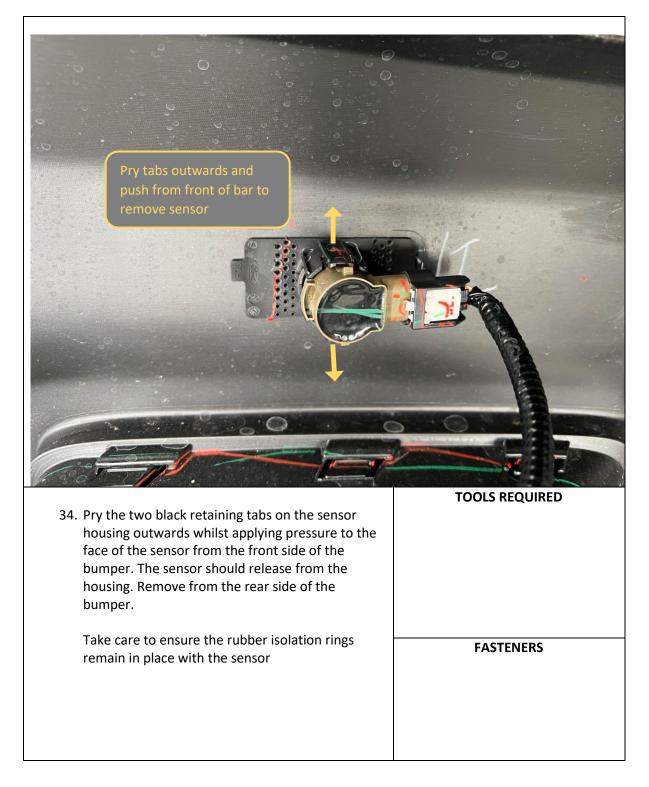




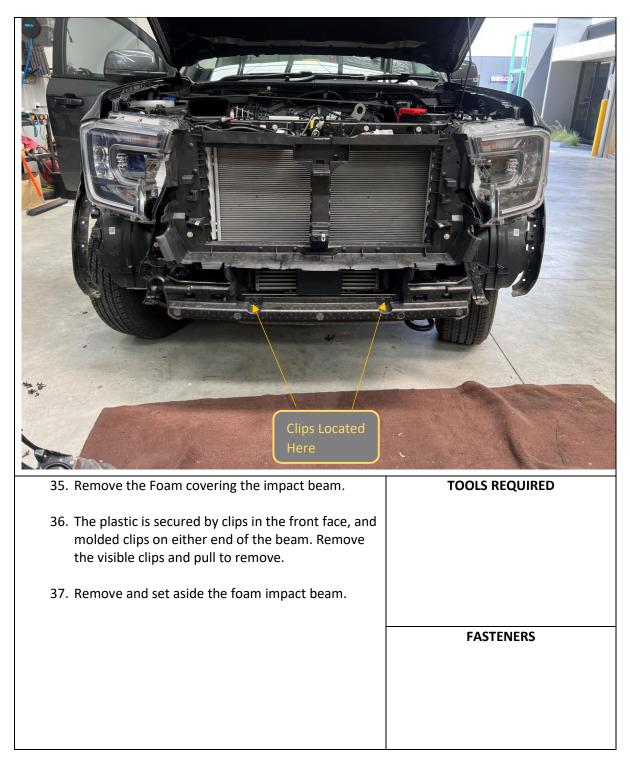




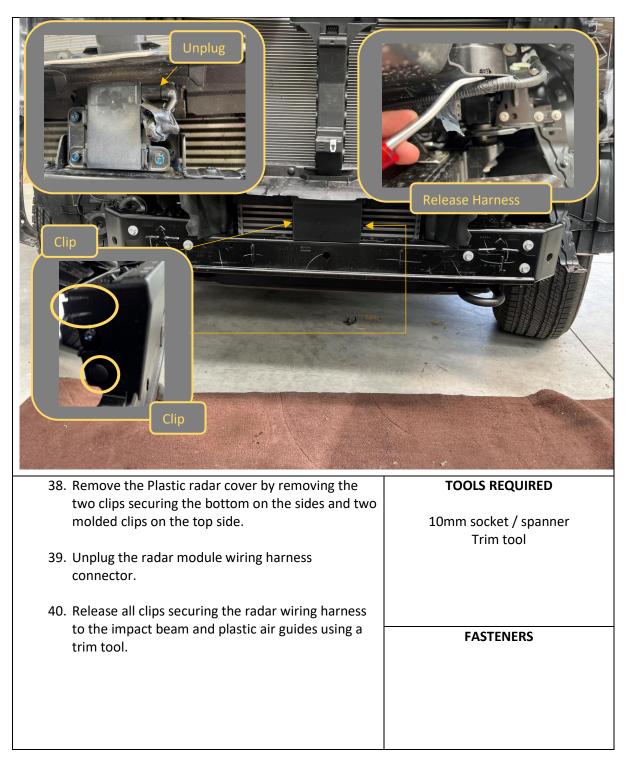




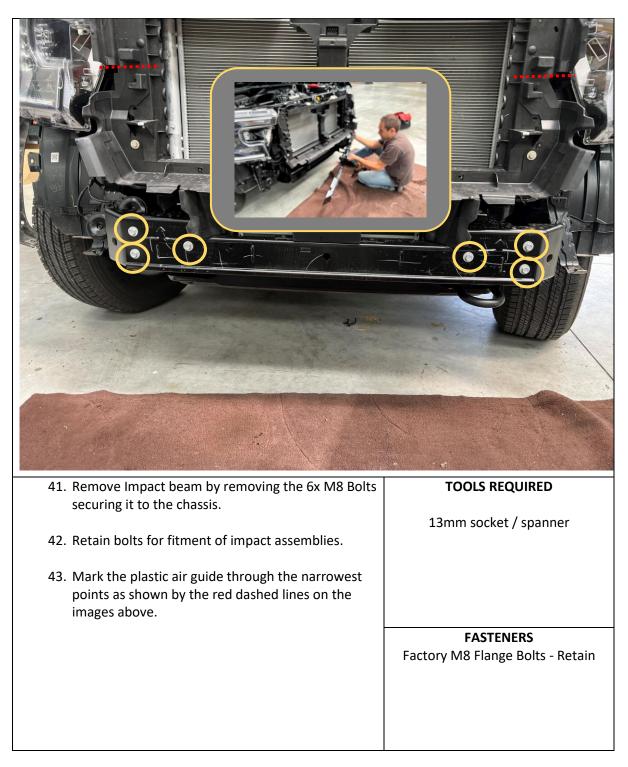






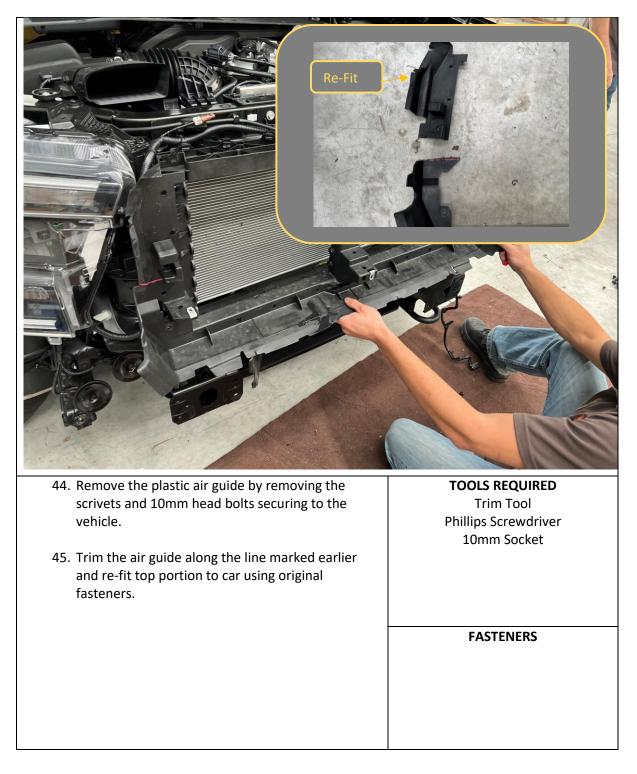




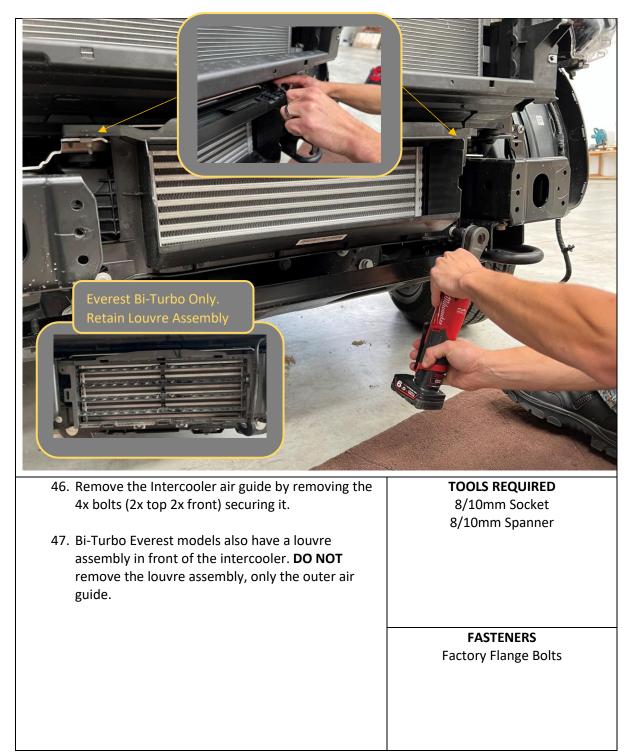




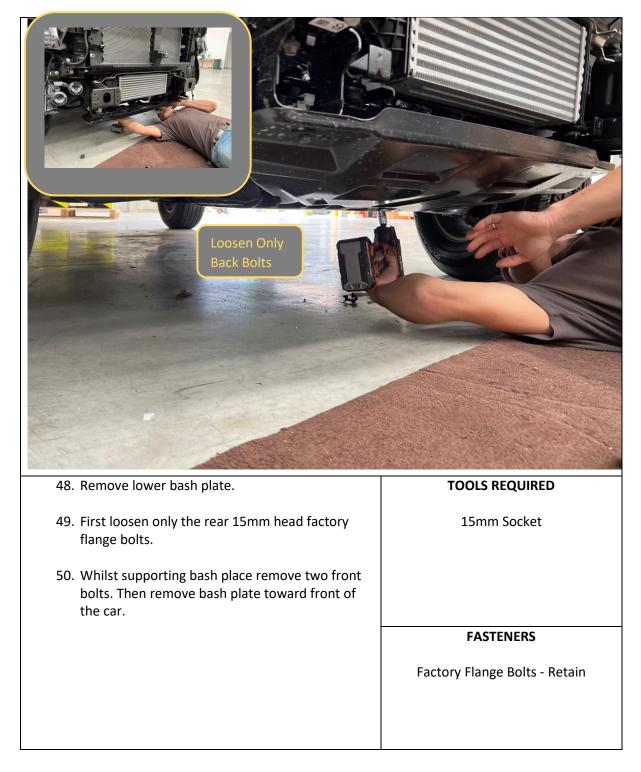
Next Gen Ford Ranger Predator Front Bar



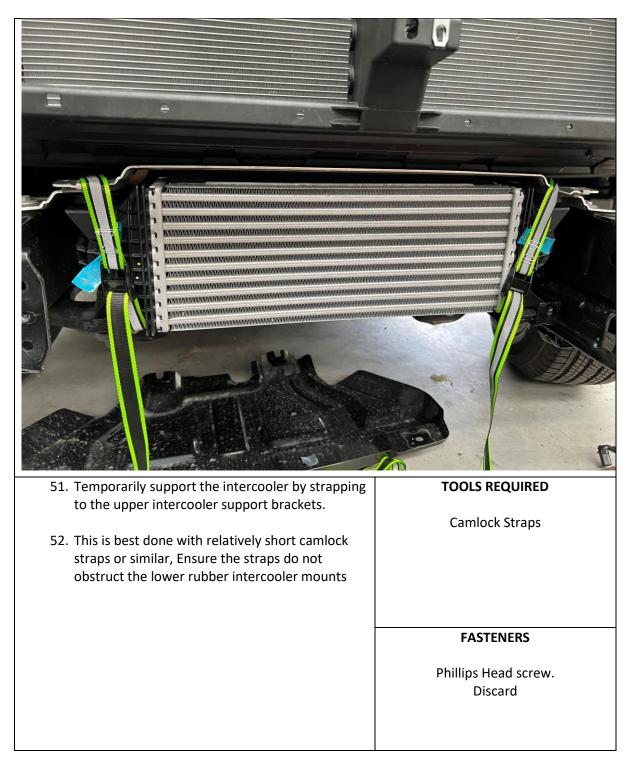




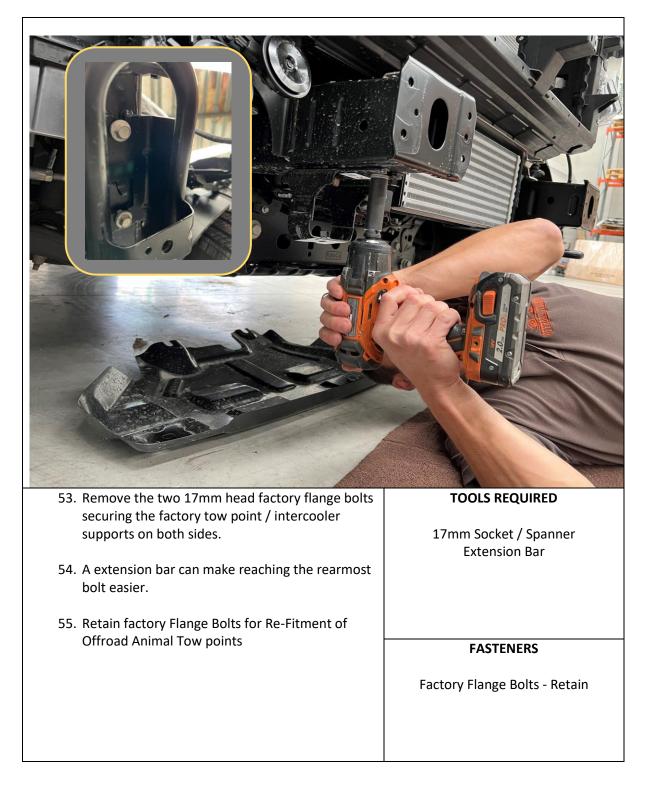




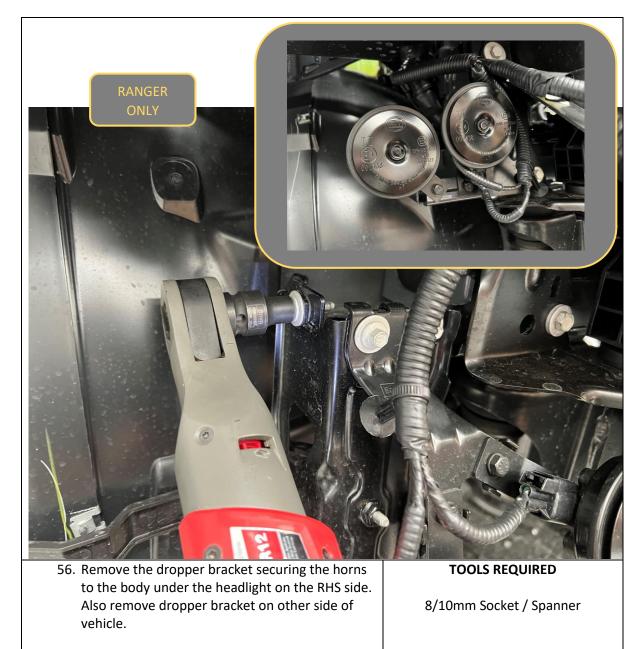










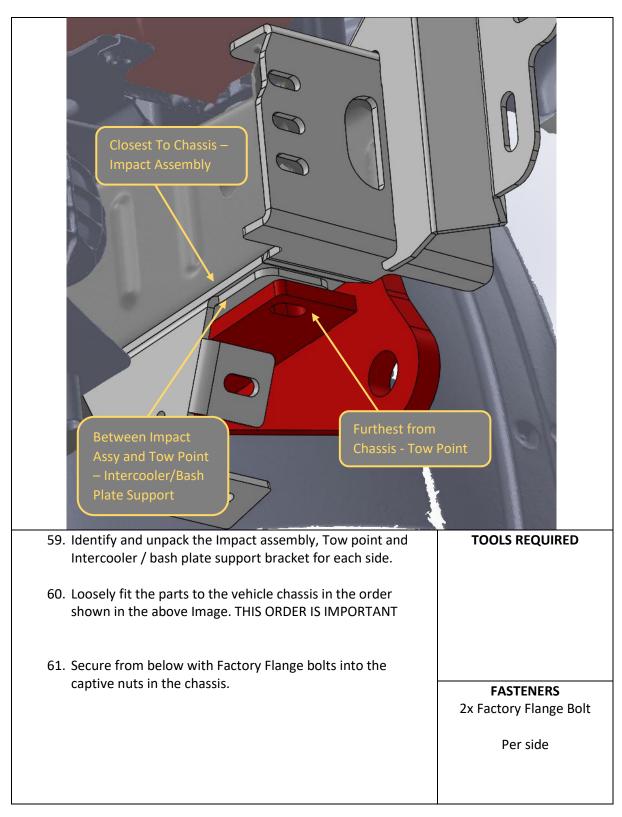


- 57. Remove the horns from the bracket and re-fit, in inverted position to the captive nuts in the body the dropper bracket was removed from, using original fasteners.
- 58. Everest vehicles have horn located elsewhere, and relocation is not required, just remove the dropper brackets.

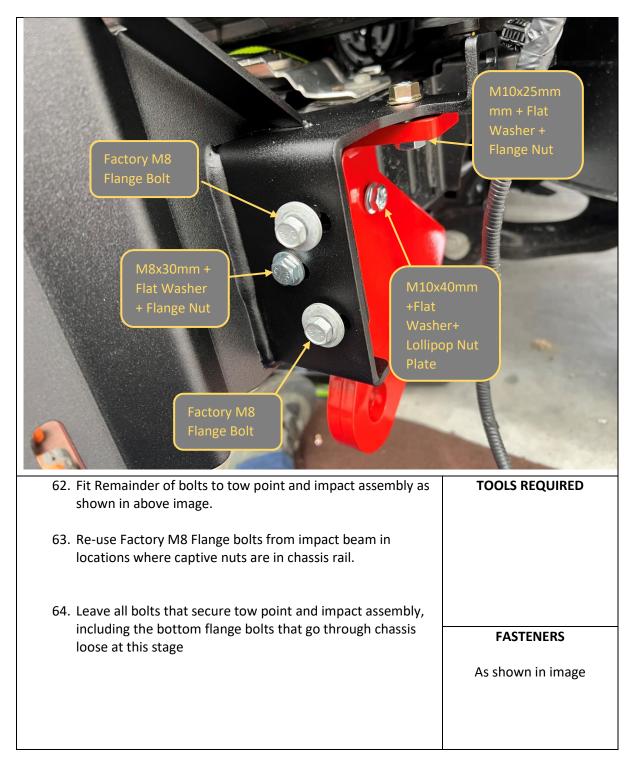
FASTENERS

Factory Flange Bolts - Retain





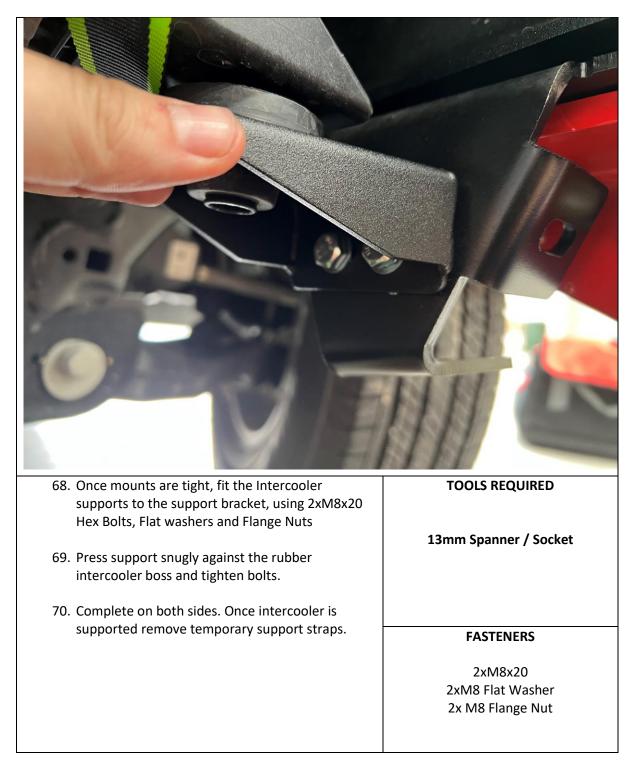






MEASURE	
65. Measure Distance between outside edges uprights on bar	TOOLS REQUIRED
using tape measure. Write distance below for reference if required.	
	TAPE MEASURE
Bar Upright Width =mm	
66. Adjust mounts by sliding mounts on slots, such that	
distance between outside edges of mounts is approximately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







- 71. Prepare bar for fitment. Start by routing the Wiring harness through the bar such that all plugs are in the correct location. The main harness connector should sit to the OUTSIDE of the bar upright on the LH side of the vehicle.
- 72. Fit the fog lights to the fog light brackets. There are two different types of fog light fitted depending on model grade. (3 bolt or 4 bolt) Use the bracket that matches the light removed from the vehicle.
- 73. Fit the fog light brackets to the Mesh Panels, using the supplied M8x12 Bolts. Fog lights should face straight ahead when fitted.

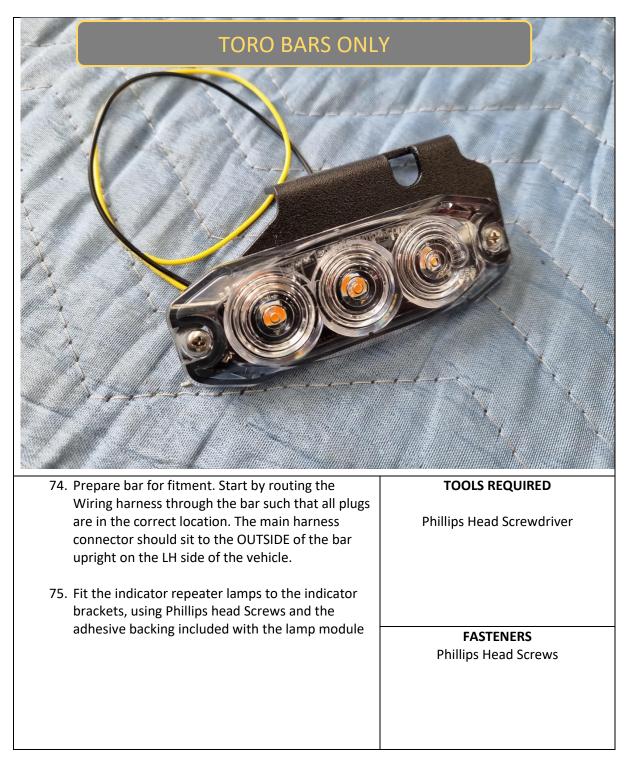
TOOLS REQUIRED

4mm Allen Key 10mm Spanner / Socket

FASTENERS

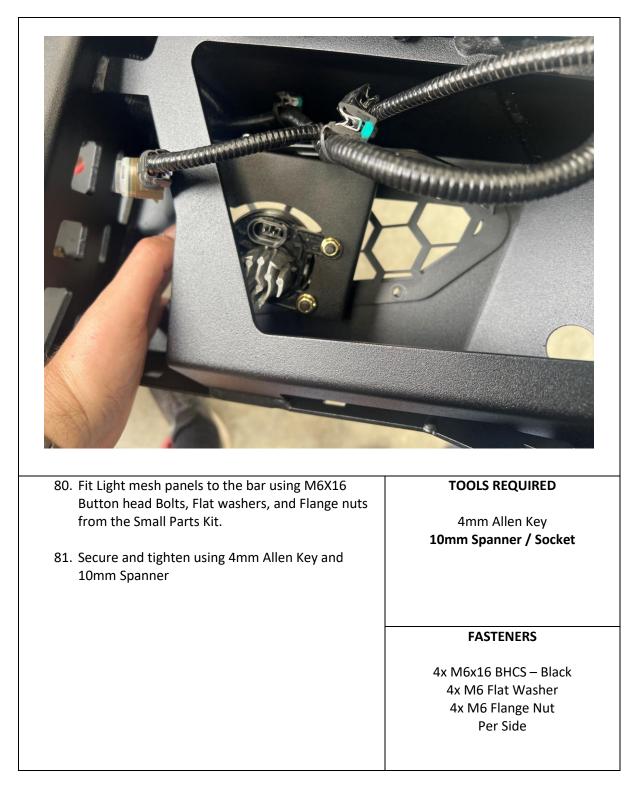
4x M6x16 BHCS – Black 4x M6 Flat Washer 4x M6 Flange Nut per Side 2xM8x12 2xM8 Flat Washer 2x M8 Flange Nut



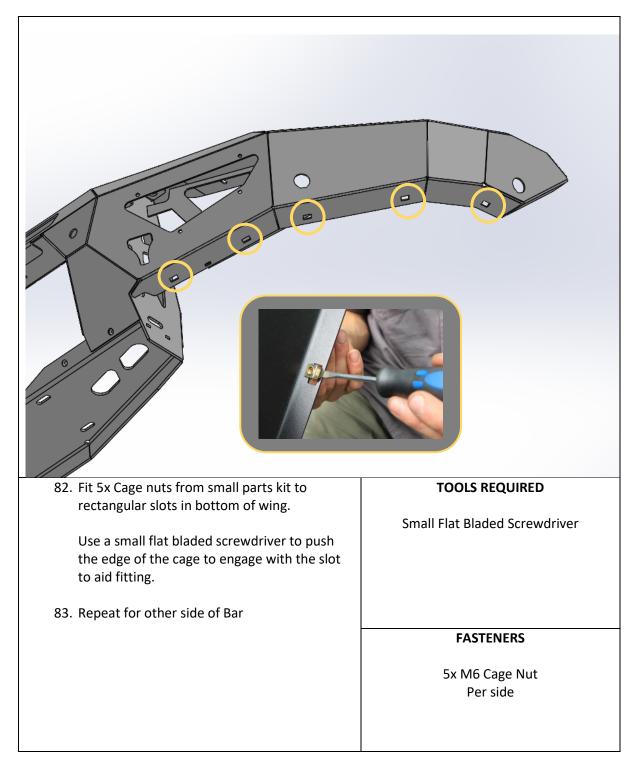














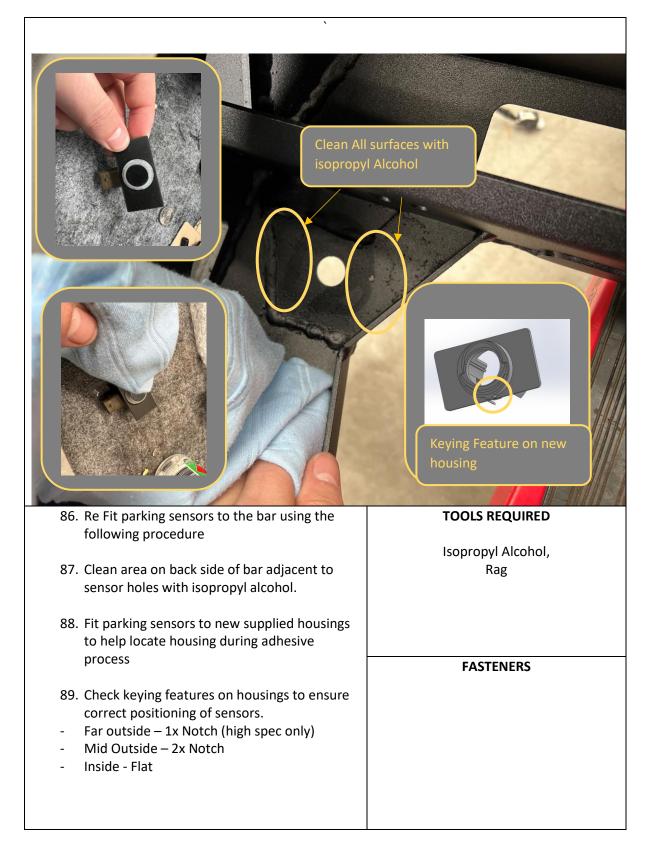


85. Ensure head of bolt on bottom to allow tightening after fitment. Leave finger tight only at this stage

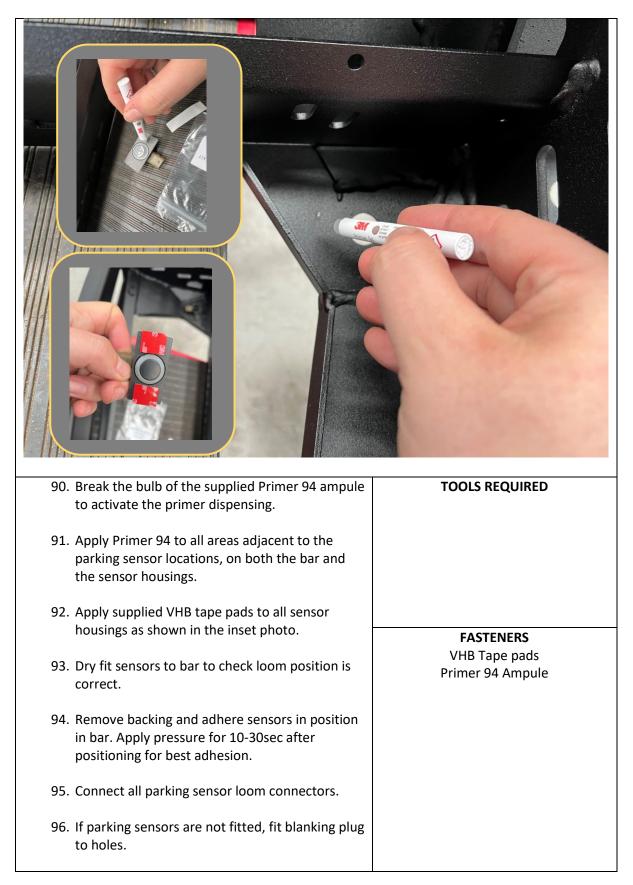
FASTENERS

2x M6x16 BHCS – Black 2x M6 Flat Washer 2x M6 Flange Nut Per Side

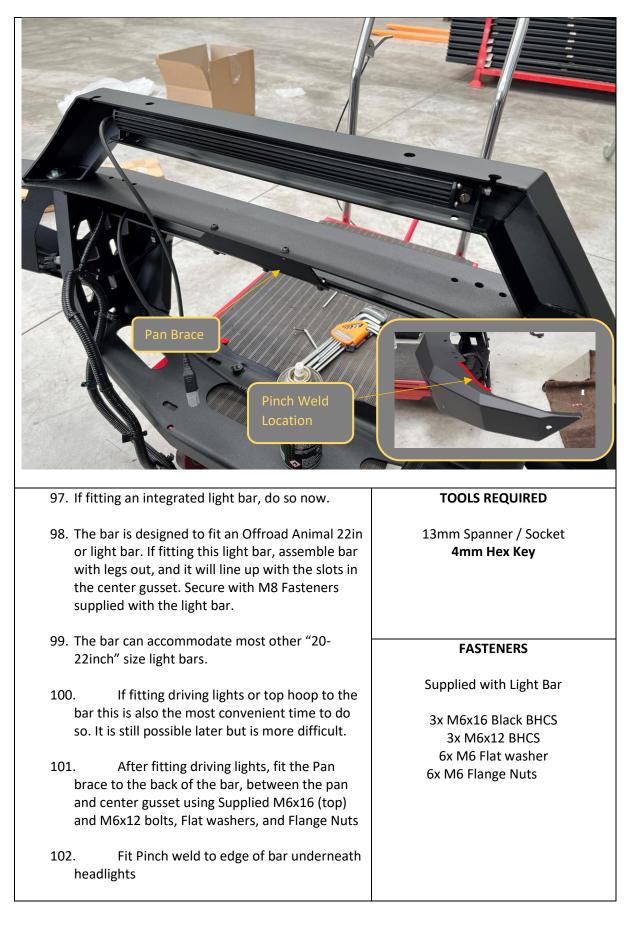




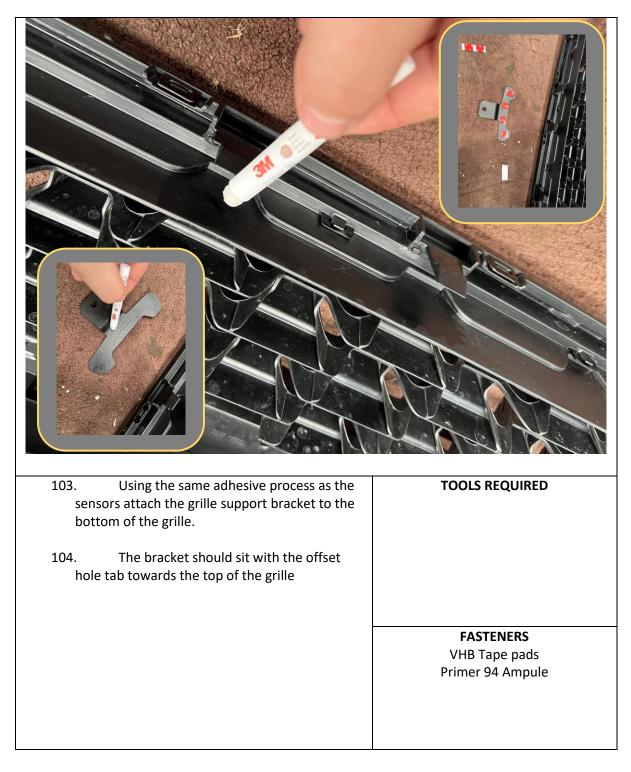




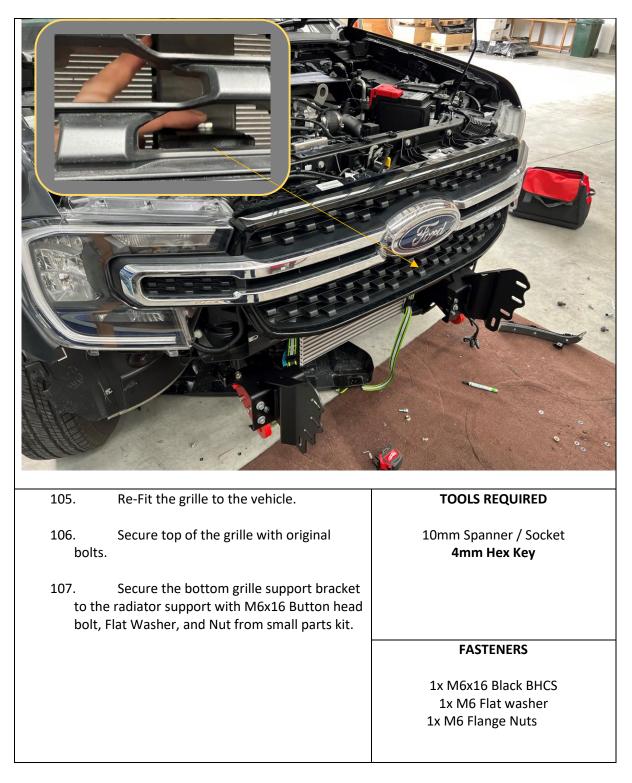




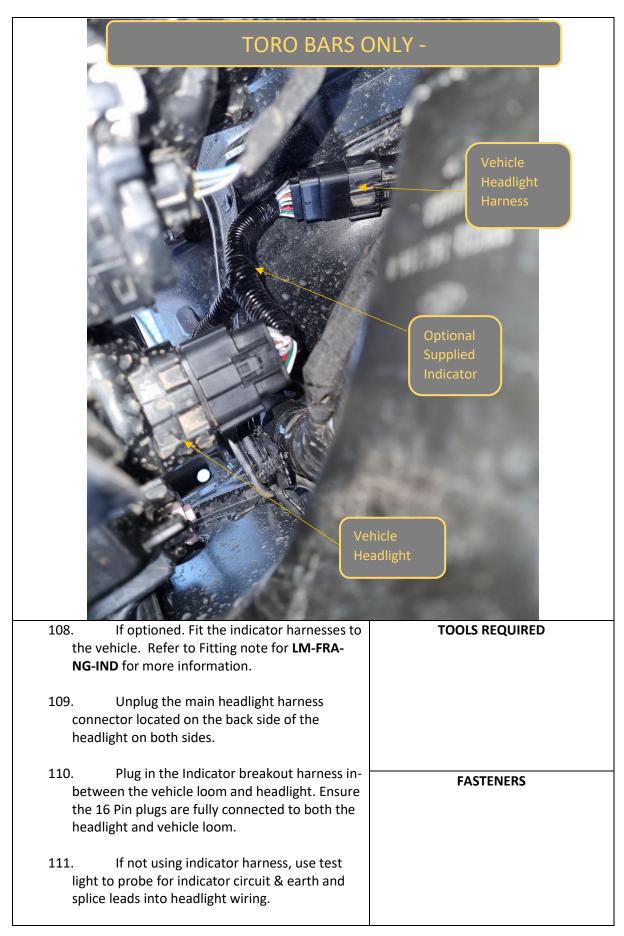




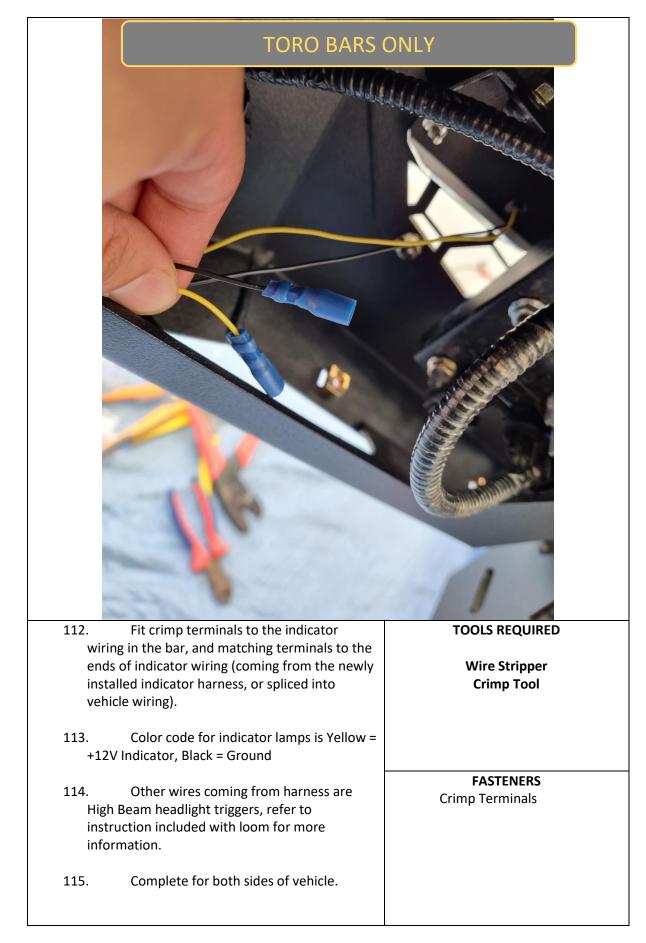
















- 116. Cut the flare along the line colinear with the bumper junction marked with masking tape before the bumper was removed.
- 117. This can be done with an Air Hacksaw, Angle Grinder or Oscillating multi tool. Ensure cut is neat and straight.
- 118. Complete on both sides of the vehicle.

TOOLS REQUIRED

Air Hacksaw Or Oscillating multi tool

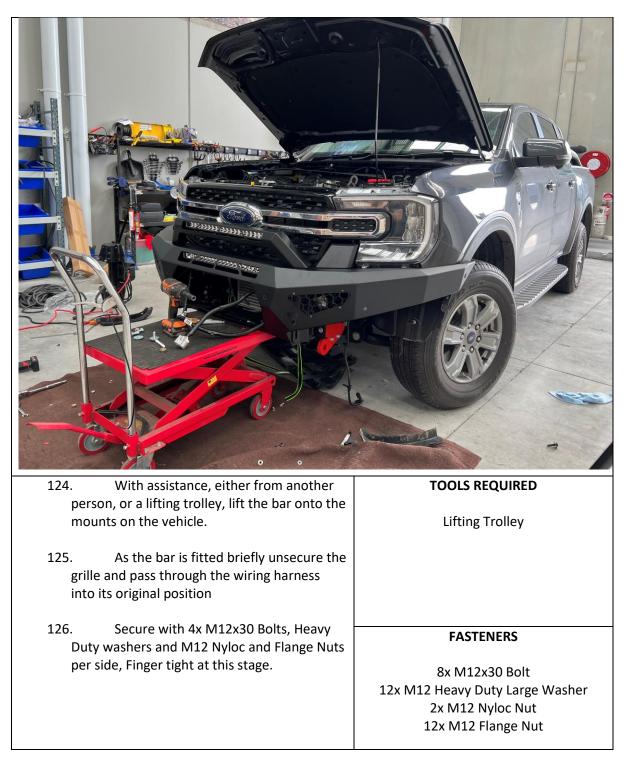
FASTENERS



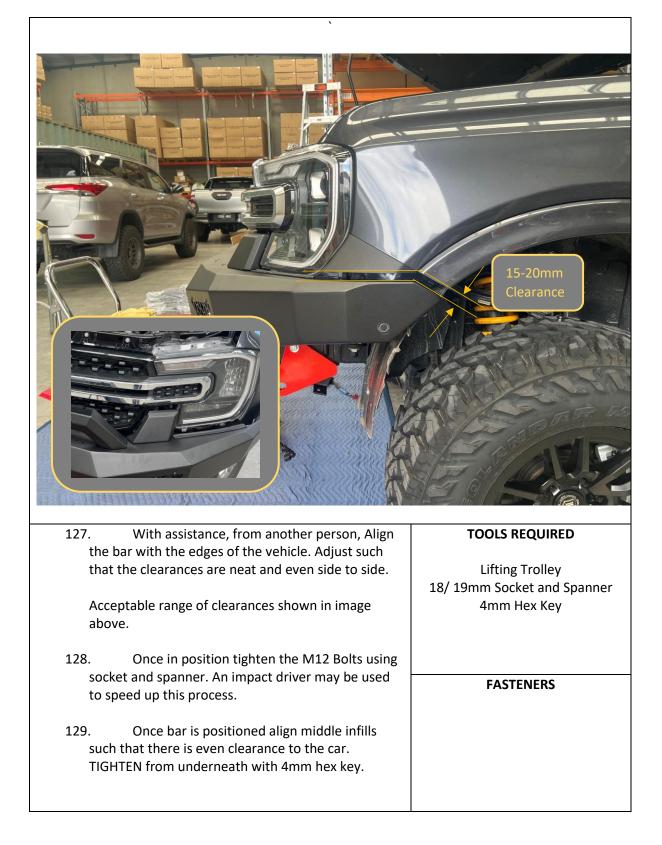
Next Gen Ford Ranger Predator Front Bar

119.	Before fitting the outer infill panel cut	TOOLS REQUIRED
sma	Before fitting the outer infill panel cut all pad of 3M VHB tape lengthways and place end of infill panel in location shown.	TOOLS REQUIRED 10mm Mini Ratchet
sma on e 120.	all pad of 3M VHB tape lengthways and place and of infill panel in location shown. Fit the infill panel to the guard in the	
sma on e 120. orie fror	all pad of 3M VHB tape lengthways and place and of infill panel in location shown.	
sma on e 120. orie fror	all pad of 3M VHB tape lengthways and place and of infill panel in location shown. Fit the infill panel to the guard in the entation shown. Use OE flange bolts removed in bumper through the access hatch in wheel r, and secure to nut plate	
sma on e 120. orie fror line 121. veh pos	all pad of 3M VHB tape lengthways and place and of infill panel in location shown. Fit the infill panel to the guard in the entation shown. Use OE flange bolts removed in bumper through the access hatch in wheel	10mm Mini Ratchet
sma on e 120. orie fror line 121. veh pos	all pad of 3M VHB tape lengthways and place end of infill panel in location shown. Fit the infill panel to the guard in the entation shown. Use OE flange bolts removed in bumper through the access hatch in wheel r, and secure to nut plate Align panel so that it sits flush with icle fender and headlight, then tighten in ition. Ensure tape on end bonds to underside	10mm Mini Ratchet FASTENERS Factory M6 Flange Bolts













130. If fitting a winch, do so now.

- 131. If winch has top mount control box, the center tab at bottom of grille will need to be cut off to allow clearance. This can be done with side cutters.
- 132. The bar is designed to fit most low mount winches, in foot down configuration. WARN ZEON 12 is largest winch confirmed to fit.
- 133. The control box can be mounted on top of the winch. Winches usually come with a bracket to allow this. Refer to winch manufacturer.
- 134. Ensure clutch handle will be accessible through access hole in front mesh panel. Refer to winch instructions regarding changing clutch handle location.

TOOLS REQUIRED

Refer to winch fitting instructions

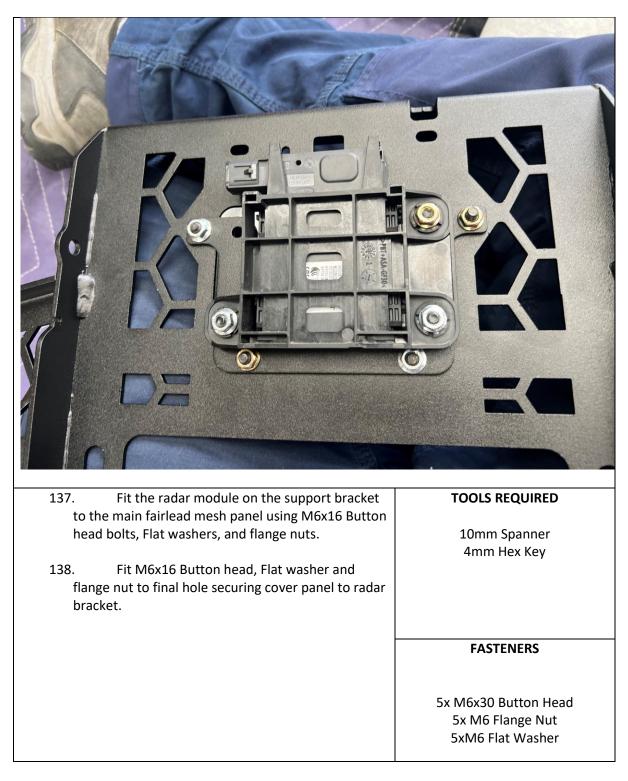
FASTENERS

Supplied with winch

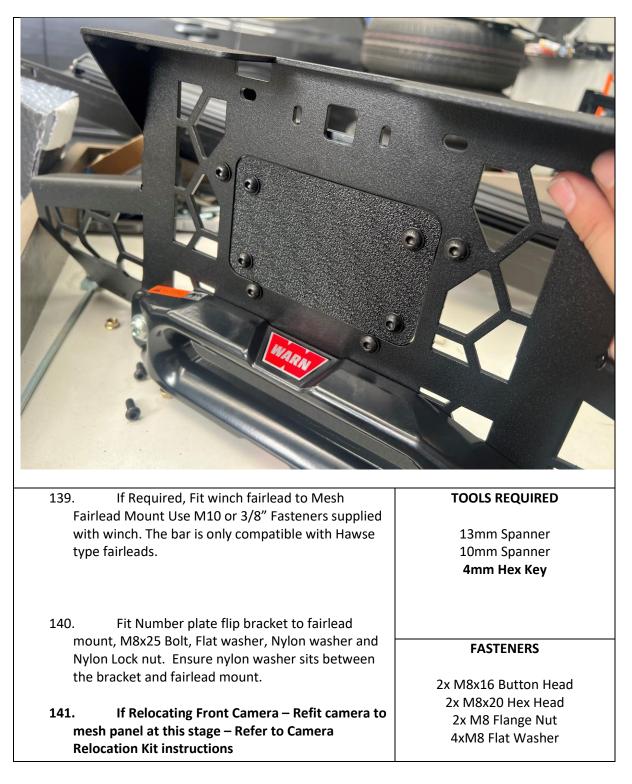




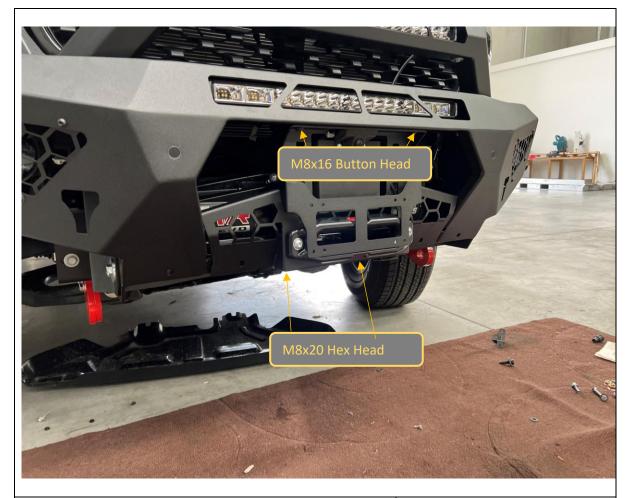












142. Fit the Mesh Fairlead Mount to the center of the bar, using M8x16 Button head (Top), M8x20 Hex (Bottom) M8 Flat washers and M8 Flange Nuts (Bottom Only).

143. Tighten fasteners using 13mm socket / spanner and 5mm Allen Wrench.

TOOLS REQUIRED

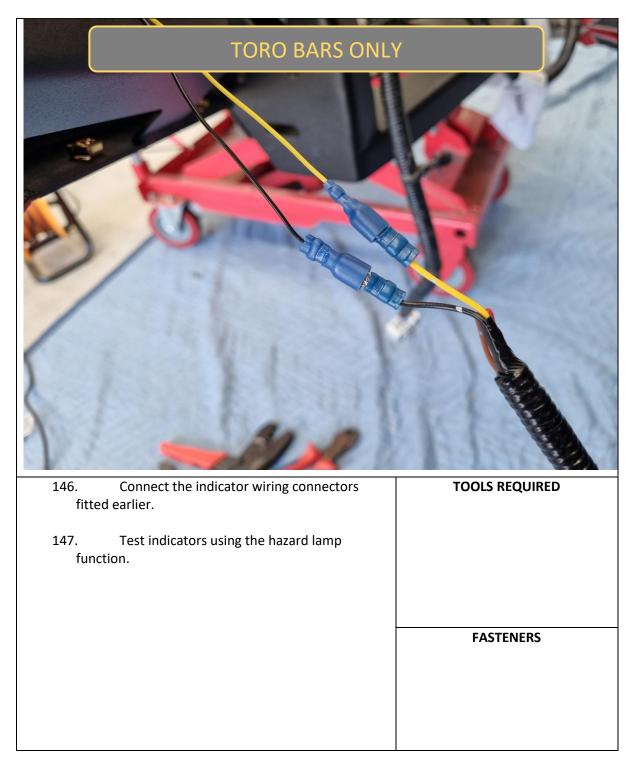
13mm Spanner 5mm Allen Wrench

FASTENERS

2x M8x16 Button Head 2x M8x20 Hex Head 2x M8 Flange Nut 4xM8 Flat Washer



<image/>	
144. Re Connect Electrical Harness, camera plug and camera washer hose.	TOOLS REQUIRED
145. Replace upper radiator cowl using original clips.	
	FASTENERS
	Factory clips (re-use)







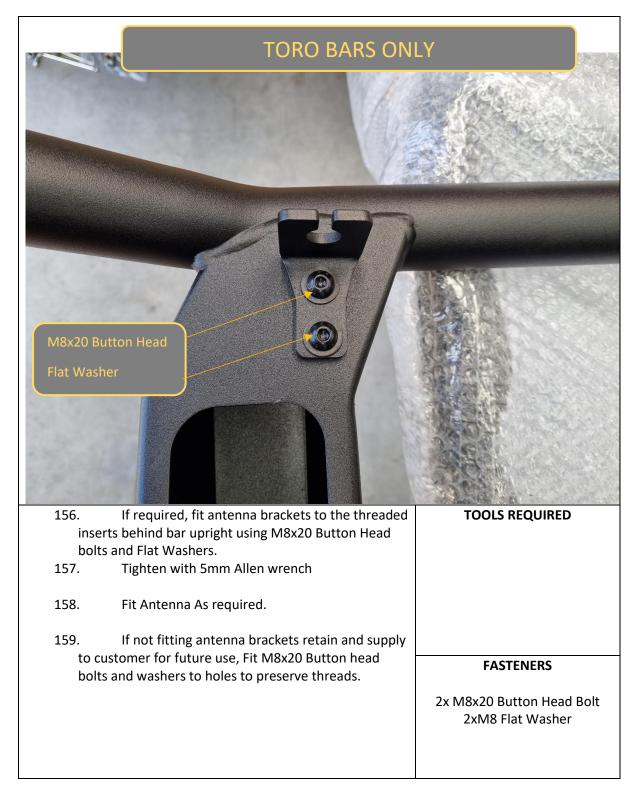
151. Tighten front fasteners using 5mm Hex key.

4x M8x20 Button Head 4xM8 Flat Washer 2x M10x25 Button Head 2xM10 Flat Washer 2xM10 Flange Nut

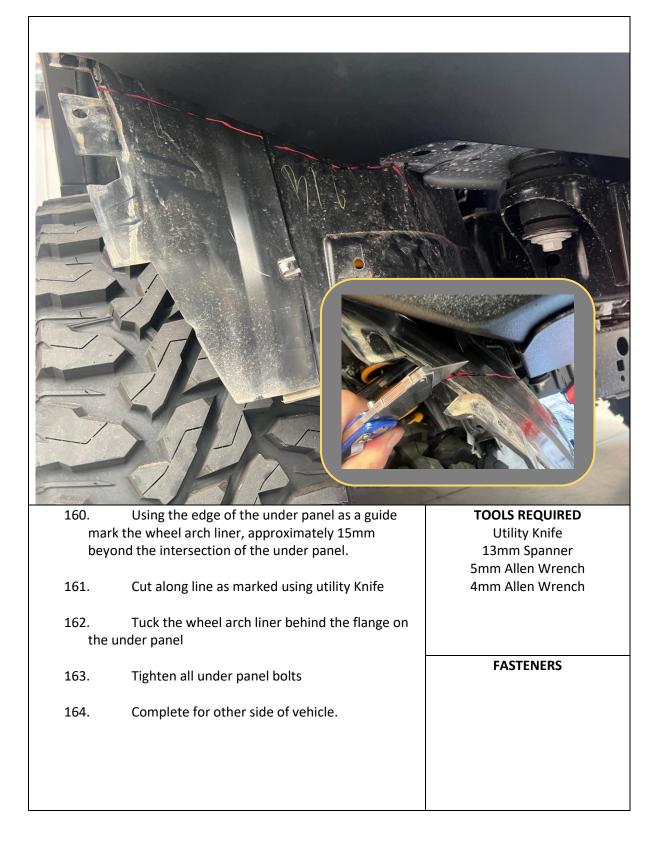


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152. butto earlie	Fit Side Under panels using, M6x16 on head and flat washer into the cage nuts placed er.	TOOLS REQUIRED
153.	Tighten with 4mm Allen wrench	
154. using	Secure back of side under panel to tow point g M8x20 Hex Bolt, Flat washer, and M8 Flange Nut.	
155.	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

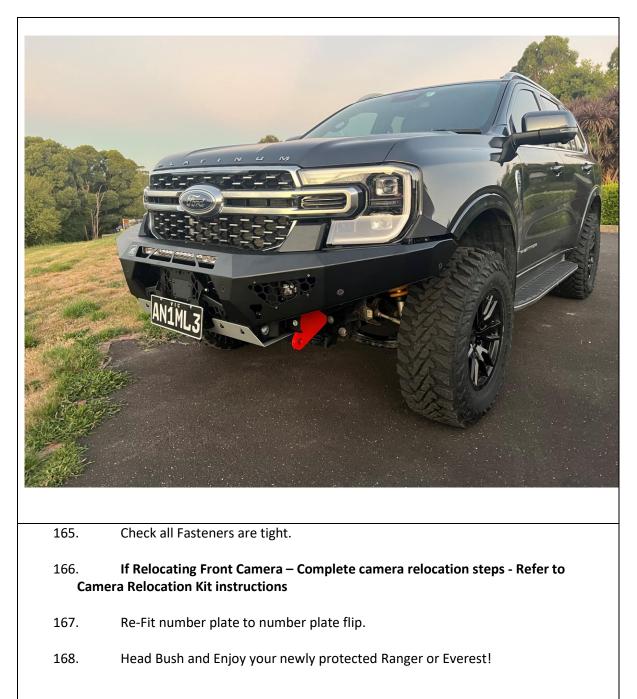












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