

## FORD RANGER PX3

## **MY2019 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-FRA-PX3-19- PR-ASM1	Ford Ranger PX3 Predator Bar Weldment	
1	FB-FRA-PX-11- PR-ASM2R	IMPACT ASSY PREDATOR PX RANGER	
1	FB-FRA-PX-11- PR-ASM2L	IMPACT ASSY PREDATOR PX RANGER	
1	B-0082L	PX CHASSIS BRKT GUSSET	
1	B-0082R	PX CHASSIS BRKT GUSSET	
1	U-0010	PX Ranger Bash Plate	
1	U-0003L	px under panel	

Offroad Animal

#### FB-FRA-PX3-19-PR-ASM0 Fitting Instruction

1	U-0003R	px under panel	
1	M-0009	PX3 Mesh Fairlead Mount	
1	M-0010L	PX3 Mesh Infill Panel LHS	ECA
1	M-0010R	PX3 Mesh Infill Panel RHS	
1	B-0194	PX3 ACC Support Bracket	
1	B-0083R	PX2 HEADLIGHT INFILL	
1	B-0083L	PX2 HEADLIGHT INFILL	
1	B-0216	Ranger Winch control box bracket	and
1	B-0086	Flip ORA bar	

Offroad Animal

2	B-0217	Ranger number plate flip bracket	
1	M-0002R	Light Cover Mesh	
1	M-0002L	Light Cover Mesh	CEREBO
1	B-0186L	Fog Lamp Bracket - Ranger PX	
1	B-0186R	Fog Lamp Bracket - Ranger PX	

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

Qty	Part Number	Description
20	M10 x 30	Bolt Hex, M10X30x[1.5], GR8.8 ZP
30	M10 Flat Washer	M10 Flat Washer
8	M10 NYLOC	NYLOC SELF LOCKING NUT, ST STL A2 ISO
10	M8 X 16 BHCS BZP	SCREW, BUTTON HEAD CAP, M8X16X1.25 GR12.9 BLACK ZP
20	M8 FLANGE NUT	Flange Nut, M8x1.25 G8.8 ZP
14	M8 FLAT WASHER- BLACK ZINC	M8 FW- BLACK ZINC
6	M8 X 20 BHCS BLACK ZINC	SCREW, BUTTON HEAD CAP, M8X20X1.25 BLACK ZP
8	M12X30	Bolt Hex, M12X30x1.75, GR8.8 ZP
16	M12 FW LHD	M12 FW Large Heavy Duty
8	M12 Nyloc nut	M12 NYLOC NUT
24	M6x16 BHCS BLACK ZINC	SCREW, BUTTON HEAD CAP, M6X16X1 GR12.9 BLACK ZP
16	M6 FLAT WASHER BLACK ZINC	M6 FW BLACK ZP
24	M6 FLANGE NUT	Flange Nut, M6x1 G8.8 ZP
8	M5X15 PAN	SCREW, PAN HEAD PHILLIPS, M5X15X0.8 GR4.6 ZP
8	M5 FLANGE NUT	Flange Nut, M5x0.8 G8.8 ZP
6	M6 X 20 HEX	M6X20 HEX BOLT, ZP, 8.8
6	M6 FLAT WASHER	M6 Flat Washer
6	M6CN3MM	CAGE NUT M6x2.6-3.5
10	M8 FLAT WASHER	M8 Flat Washer
4	M8X20	Bolt Hex, M8X20X1.25, GR8.8 ZP
2	M10X20 BHCS	SCREW, BUTTON HEAD CAP, M10X20X1.5 GR12.9 ZP
12	M10 FLANGE NUT	Flange Nut, M10x1.5 G8.8 ZP
2	B-0210	PX Ranger Grille Bracket
2	P-0072	Predator Bash Plate Shim
2	HDPE SPACER- BLACK	HDPE SPACER - OD 20 X ID 8 X 5MM THICK BLACK
2	M8 NYLOC	NYLOC SELF LOCKING NUT, ST STL A2 ISO
2	M8 X 25 HEX	Bolt Hex, M8X25x1.25, GR8.8 ZP
1	SPK-BAG	BAG, PLASTIC HEAT SELAED - SUIT SMALL PARTS KIT

## **TOOLS REQUIRED**

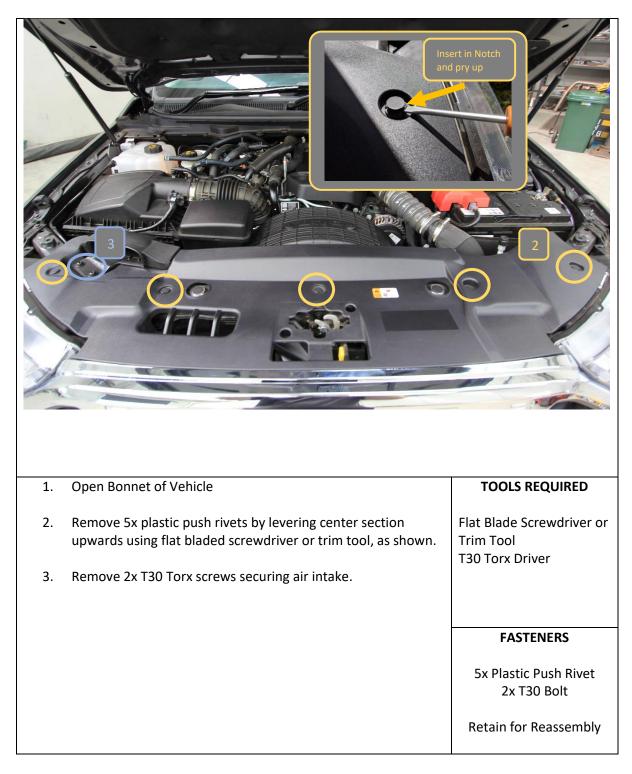
The following tools will be required to install the product.

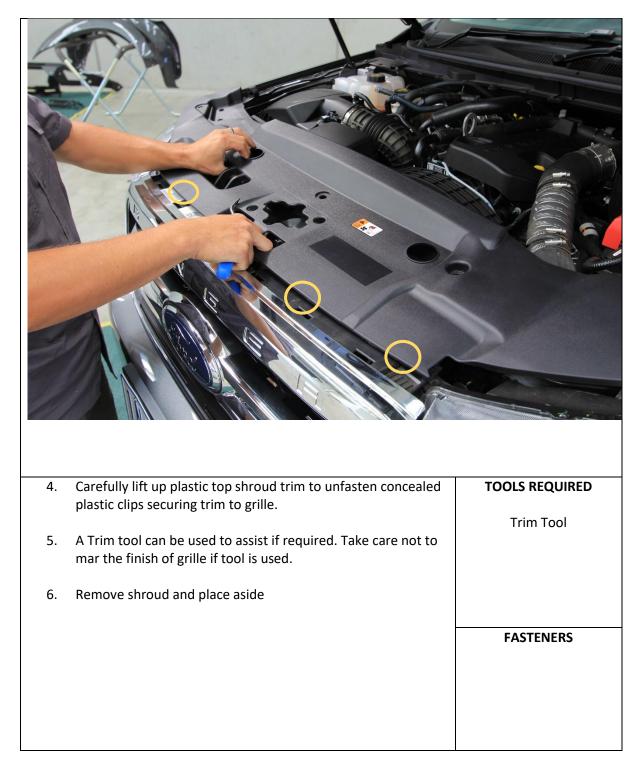
Hand Tools	Power Tools	Workshop Supplies
Metric Socket Set 8-	Electric Drill	Double Sided Adhesive
19mm	6mm Drill Bit	Таре
Socket Extension Bar		Panel Stand or Soft
Metric Spanner Set 10-	Air Hacksaw or Angle	Blanket
19mm	Grinder	Cable Ties
Torx Drivers T25-T30		Masking Tape
Hex (Allen) Key Set 4-	Electric/Air Impact	Black Automotive
6mm	Driver (Optional)	paint
Trim Puller Tool		Scotch Brite or Fine
Flat Blade Screwdriver		Sandpaper
set		Automotive
Phillips Head		Sealant/Adhesive
Screwdriver set		
Utility Knife		
Side Cutters		
Pliers		

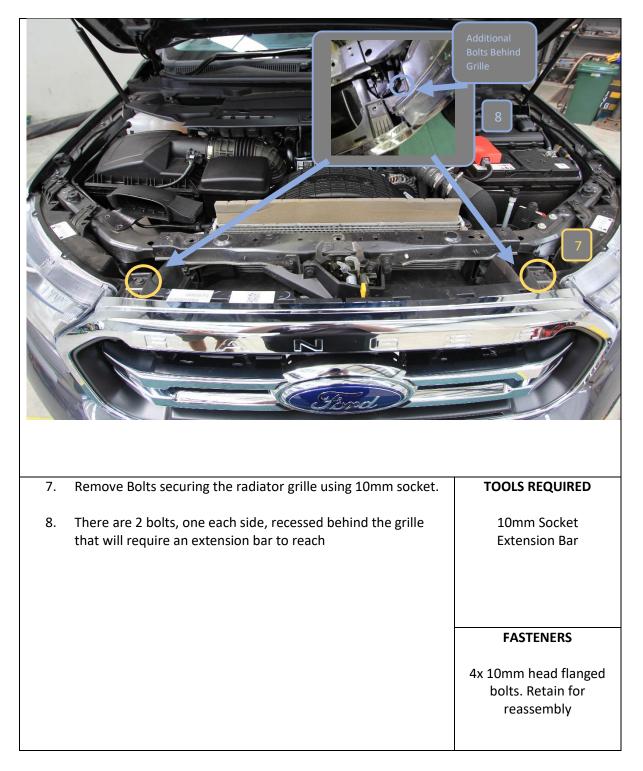
## WORKSHOP SAFTEY

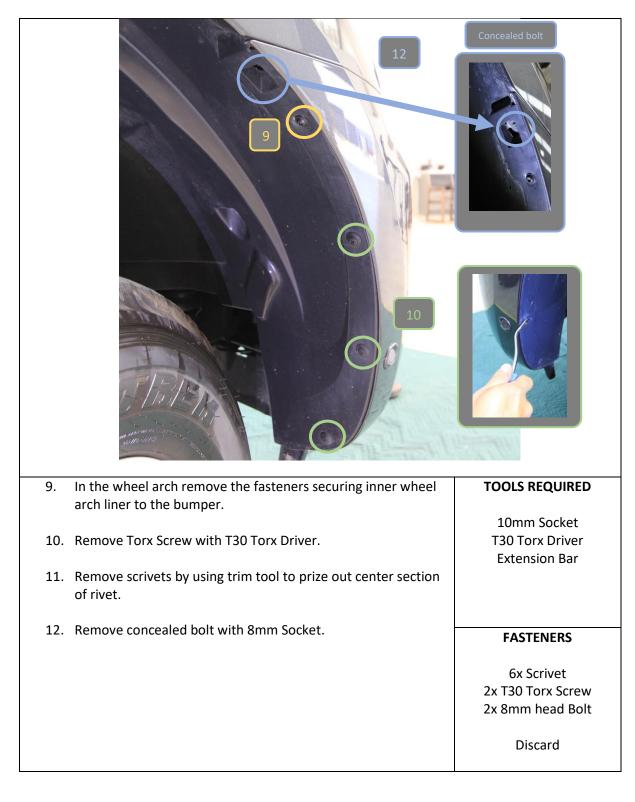
It is the responsibility of the installer to always complete works in a safe manner. Make sure the following safety equipment is available and precautions are observed whilst fitting this product.

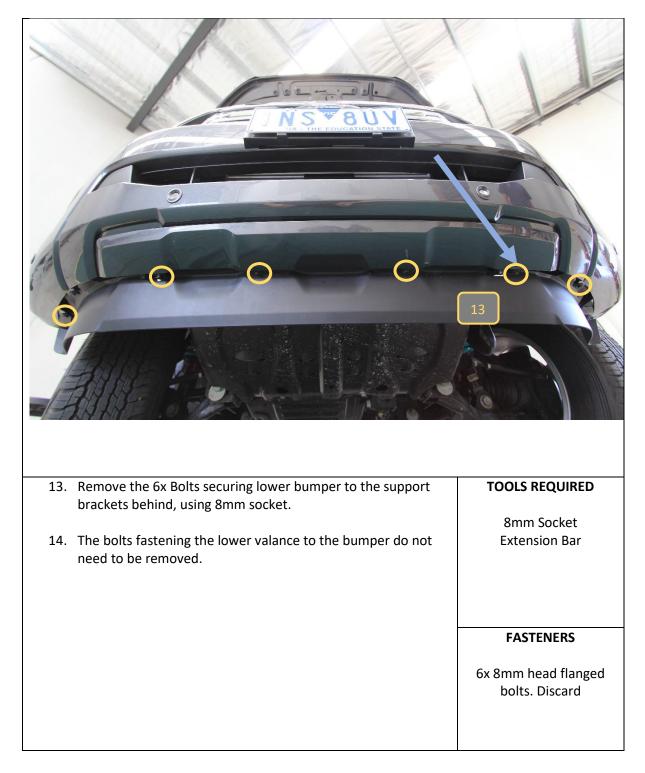
Hearing Protection	Always wear ear protection when using power tools.
Eye Protection	Ensure eye protection is always worn when cutting or drilling.
Manual Handling	Do not attempt to lift bar assemblies or rock sliders on your own. Always use two people to lift or use mechanical Lifting aid such as hydraulic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







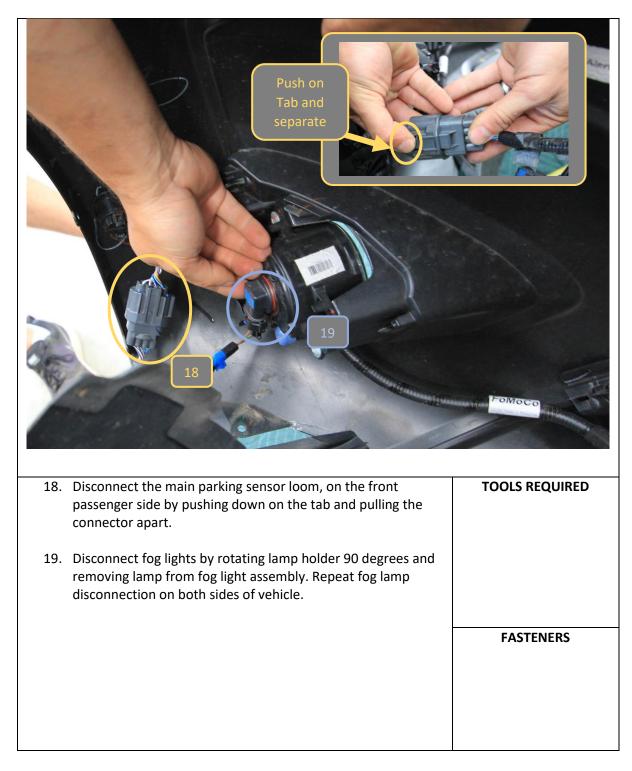


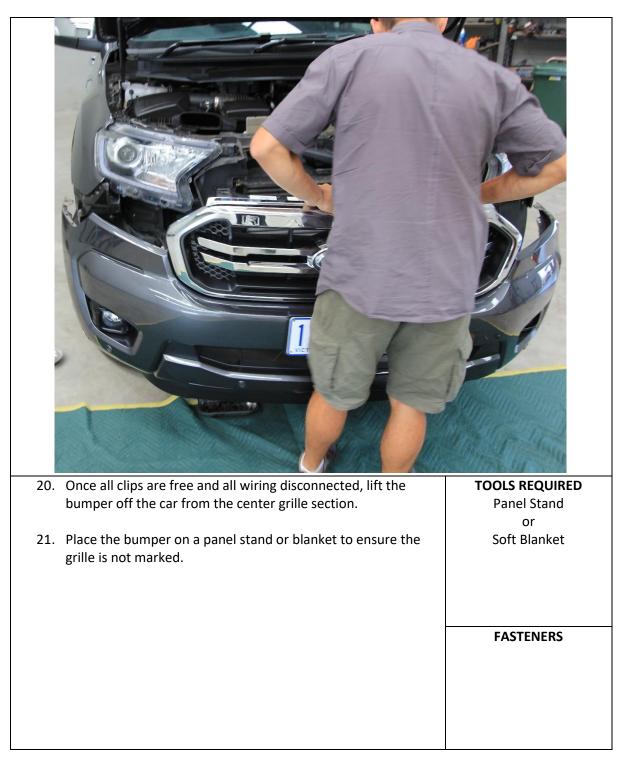


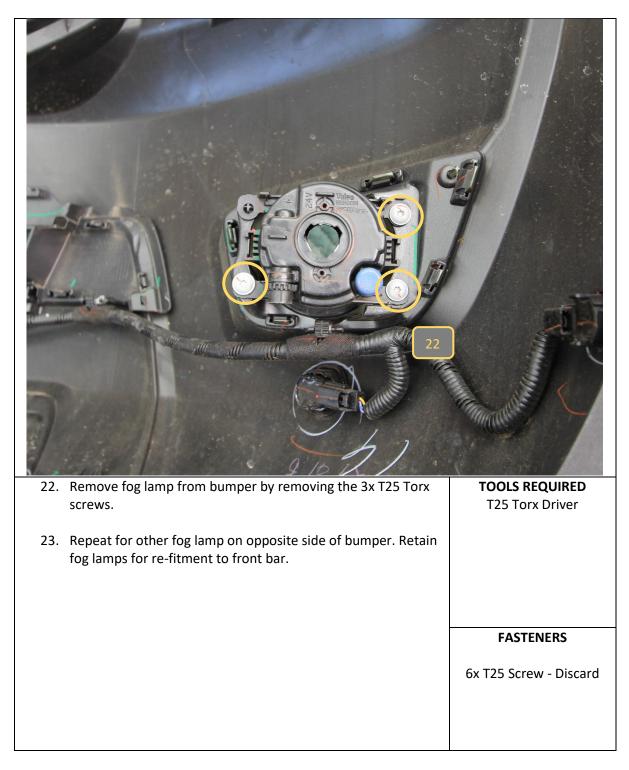
#### 2019+ Ford Ranger PX3 Predator Front Bar

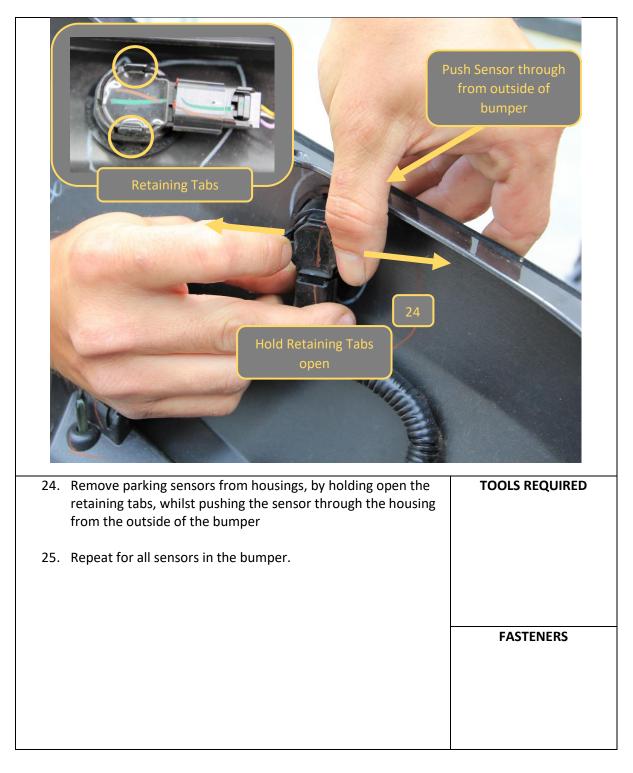
Арр	°OX.
Starting at the wheel arch firmly but carefully pull the bumper away from the panel to release the clips.	TOOLS REQUIRED
As the clips release move the pressure toward the center of the car until the next clip releases. Continue until all clips on each side are free. The final clips are located underneath the headlight.	
Repeat clip release on both sides of the bumper.	FASTENERS
	Starting at the wheel arch firmly but carefully pull the bumper away from the panel to release the clips.         As the clips release move the pressure toward the center of the car until the next clip releases. Continue until all clips on each side are free. The final clips are located underneath the

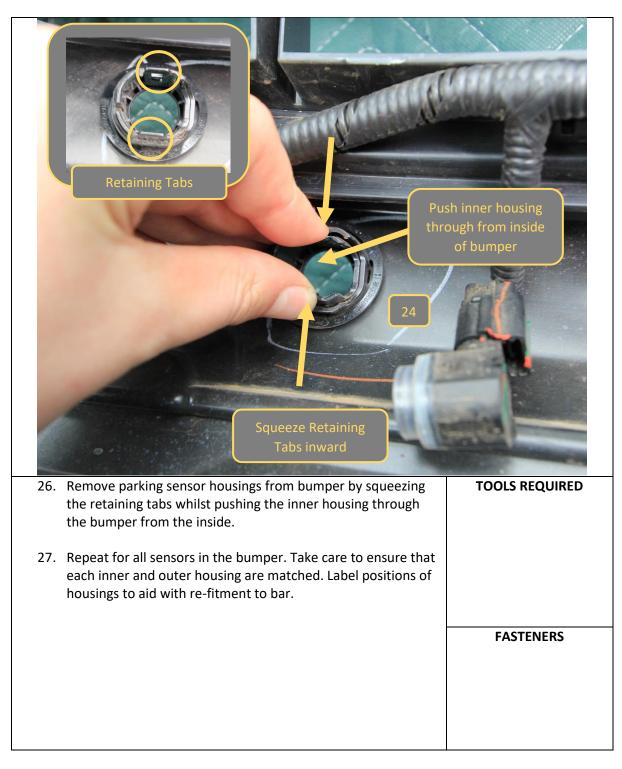
REV B

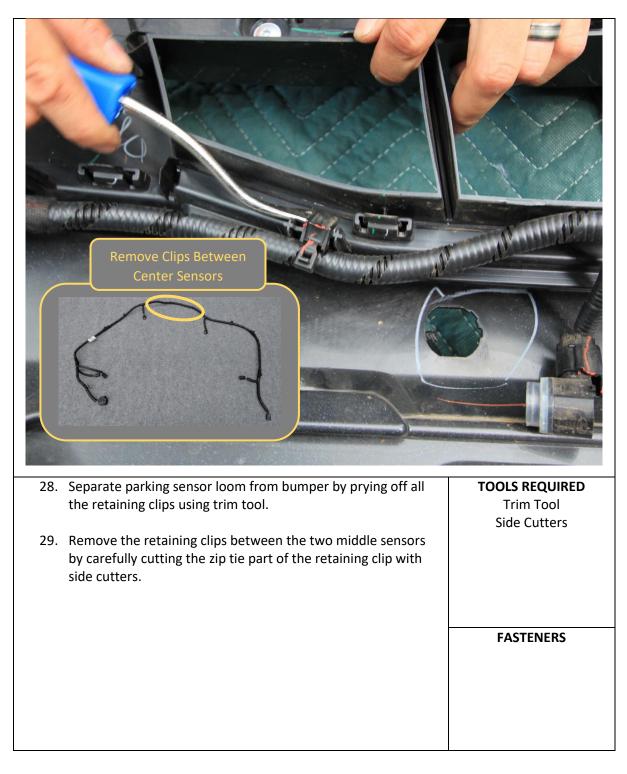


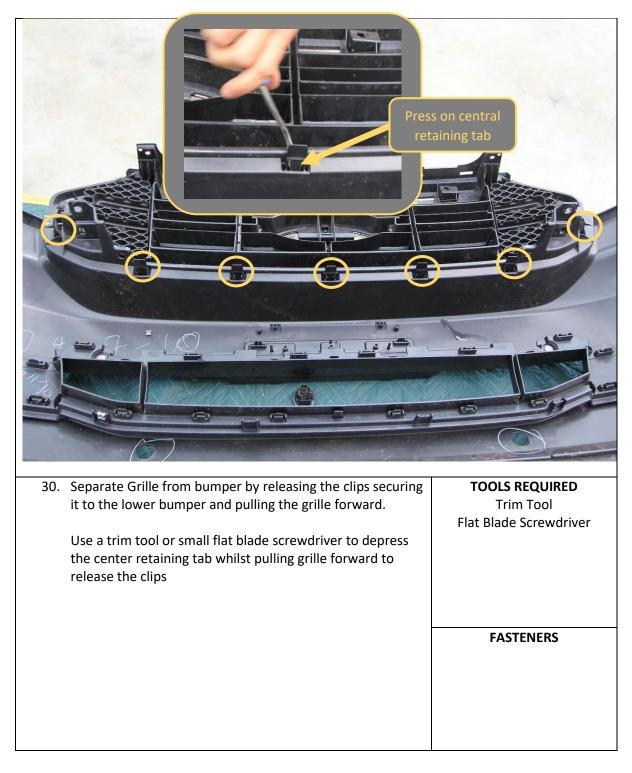


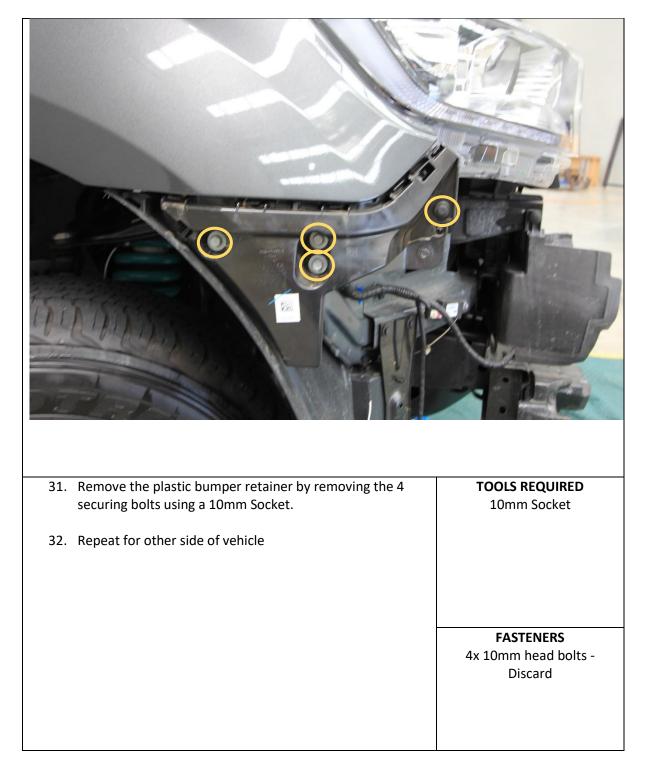


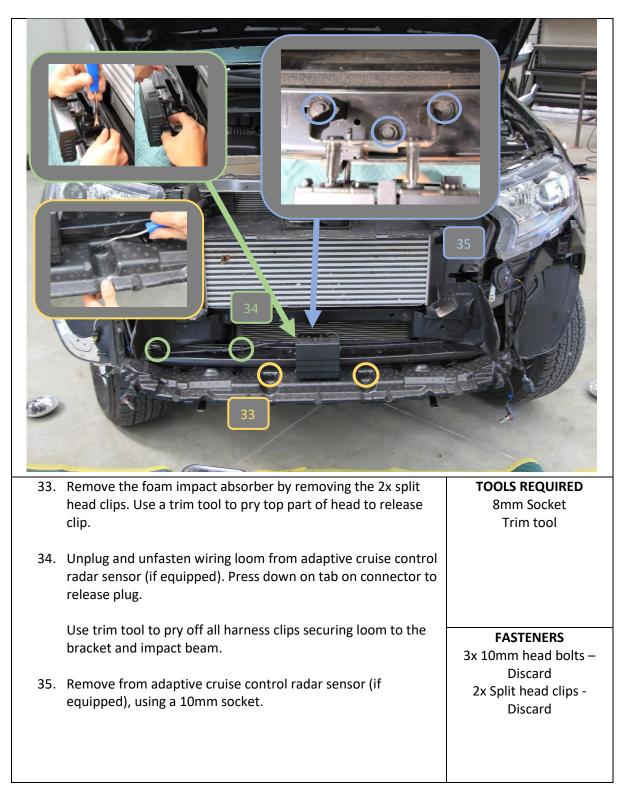






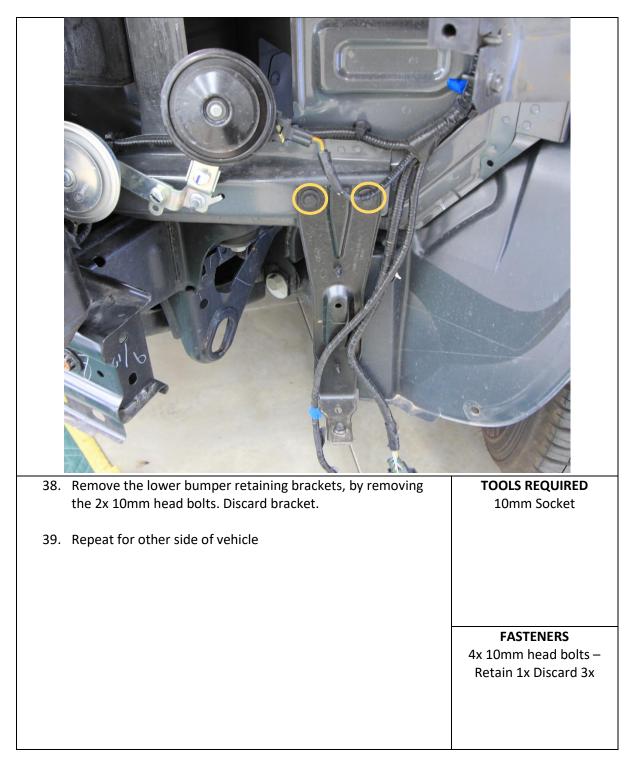


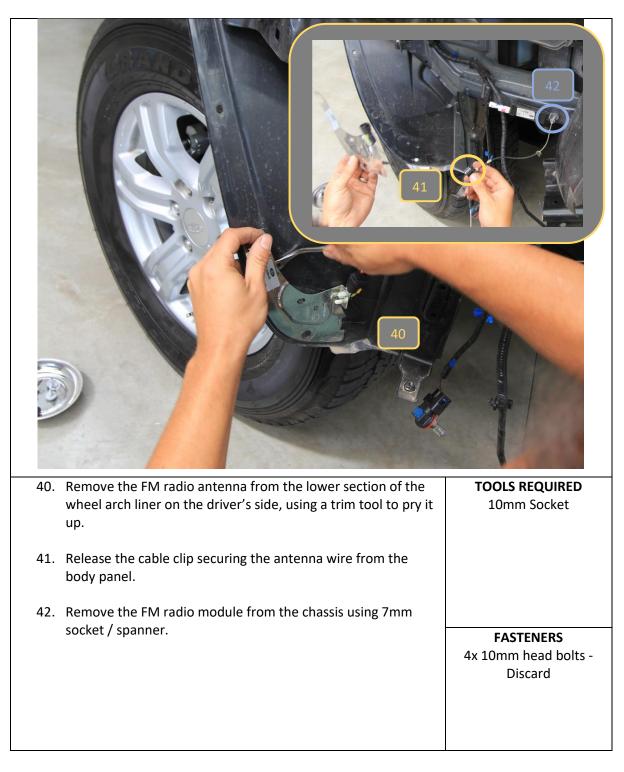


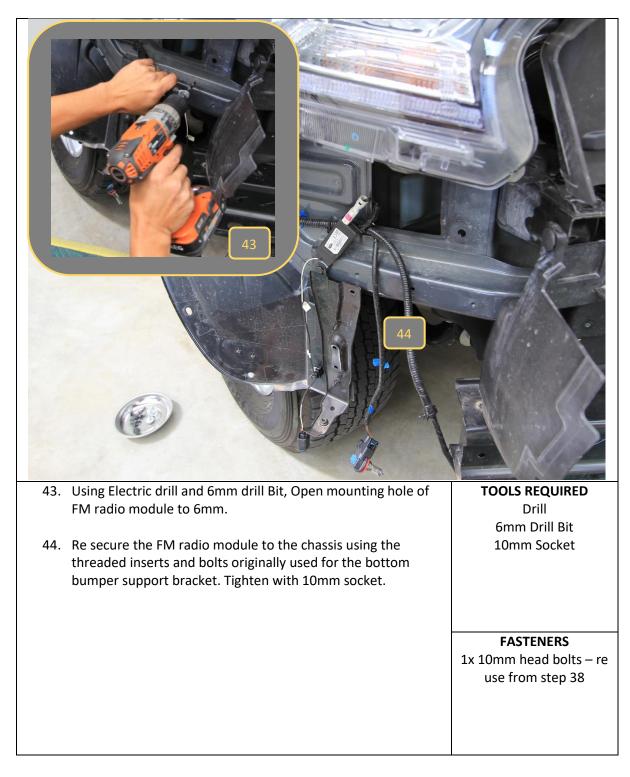


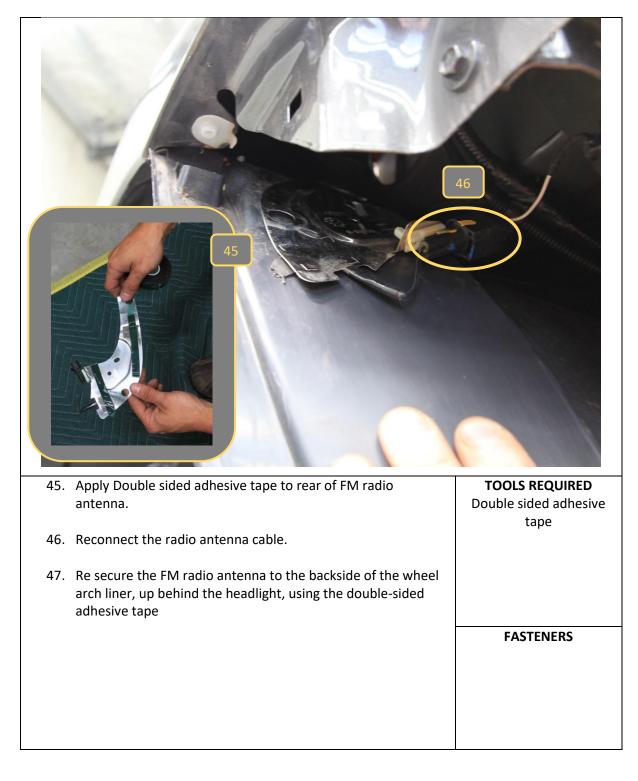
<image/>	
<ol> <li>Separate the adaptive cruise control bracket from the support bracket by pulling the bracket out of the ball and socket clips.</li> </ol>	TOOLS REQUIRED
37. Take care not to drop or damage the adaptive cruise control module. Start with the side with the single clip and release clips one by one. A moderate to firm amount of force is require to release the clips.	
	FASTENERS

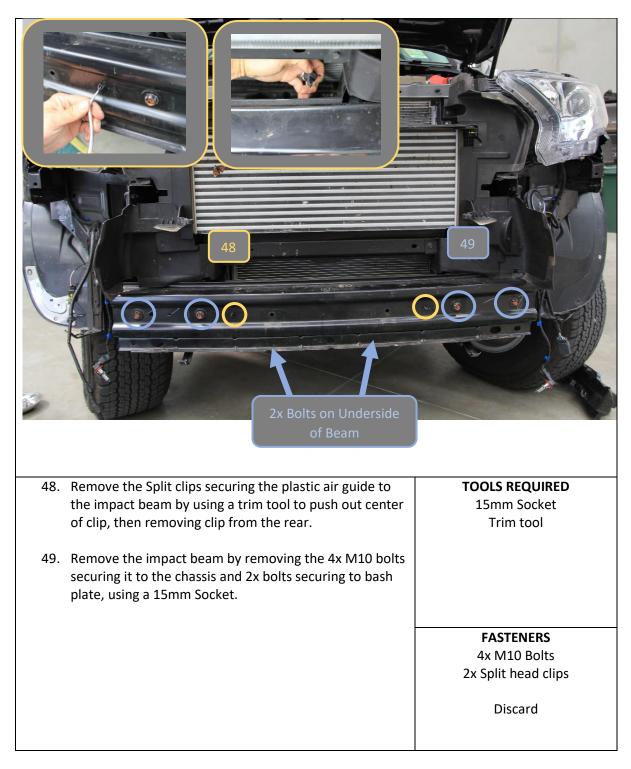
27/04/19

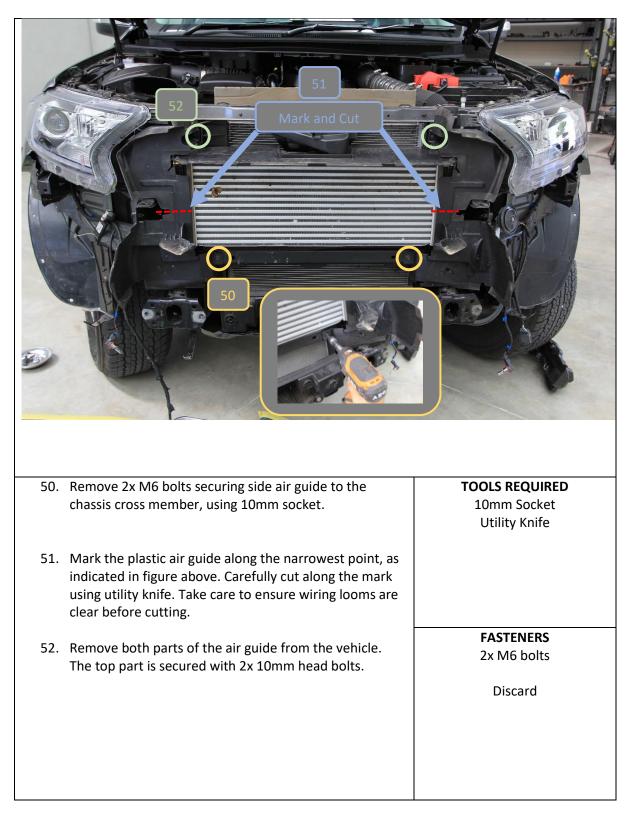


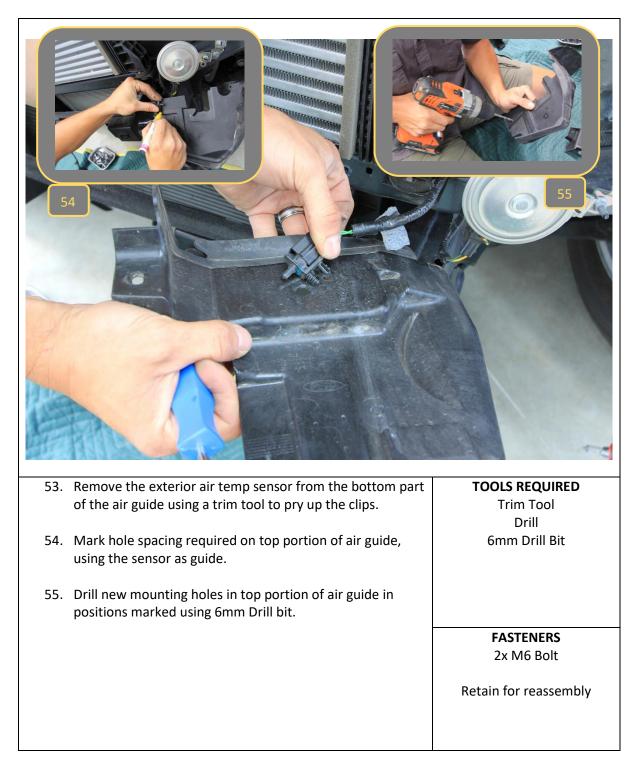


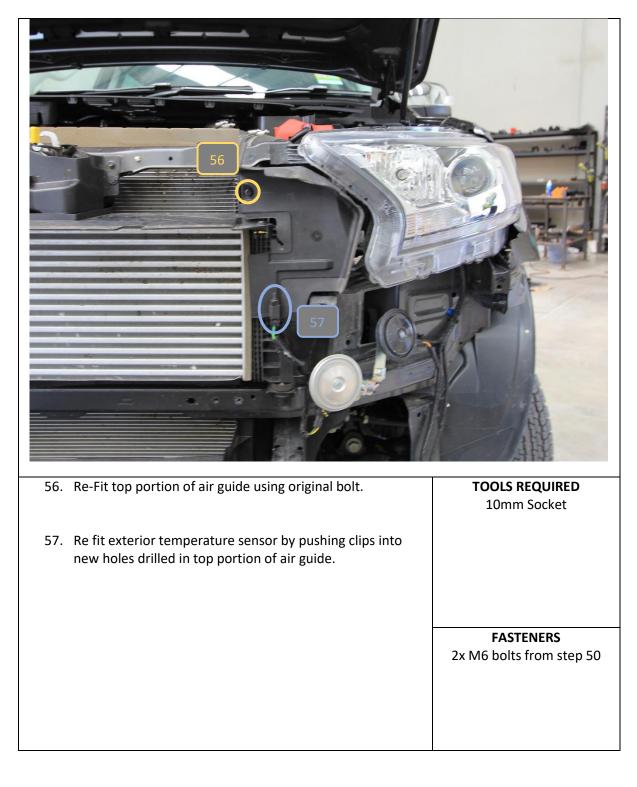


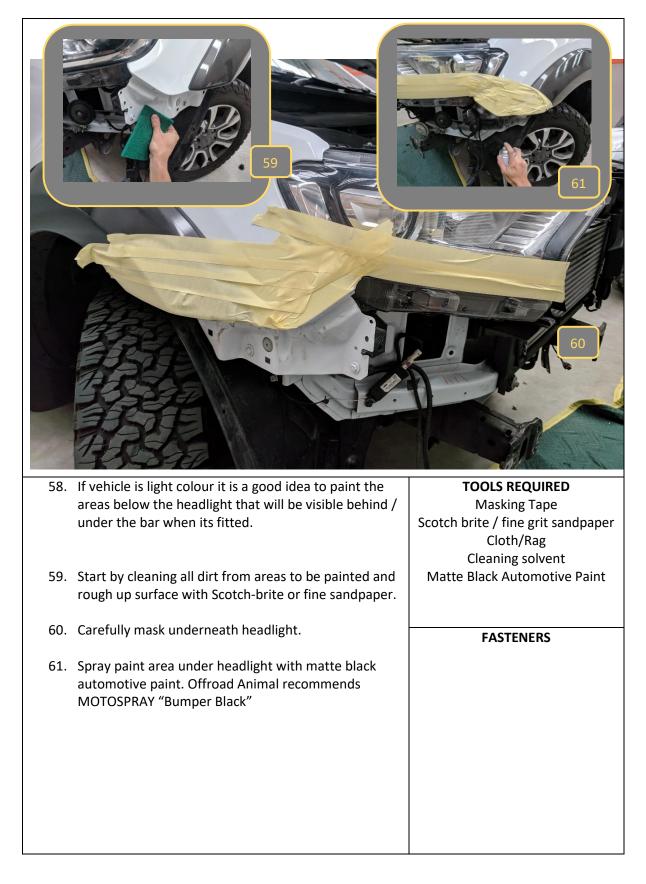


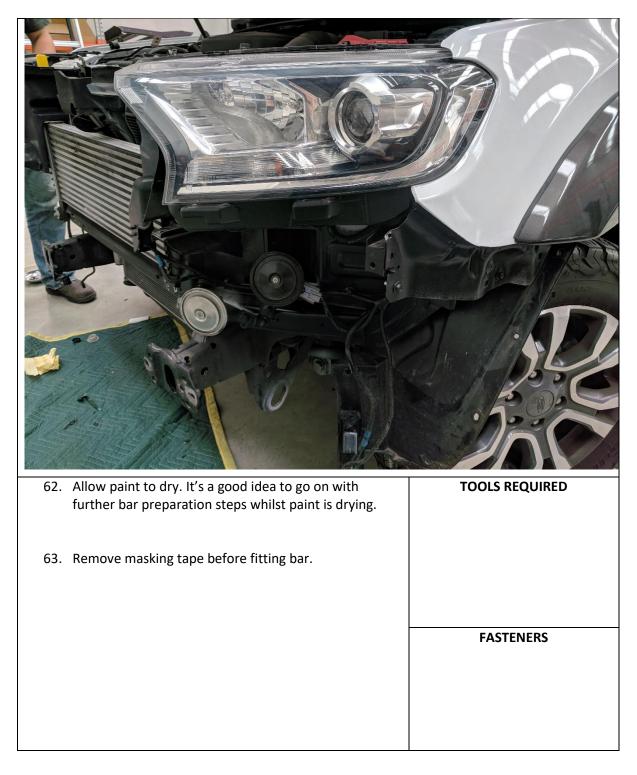


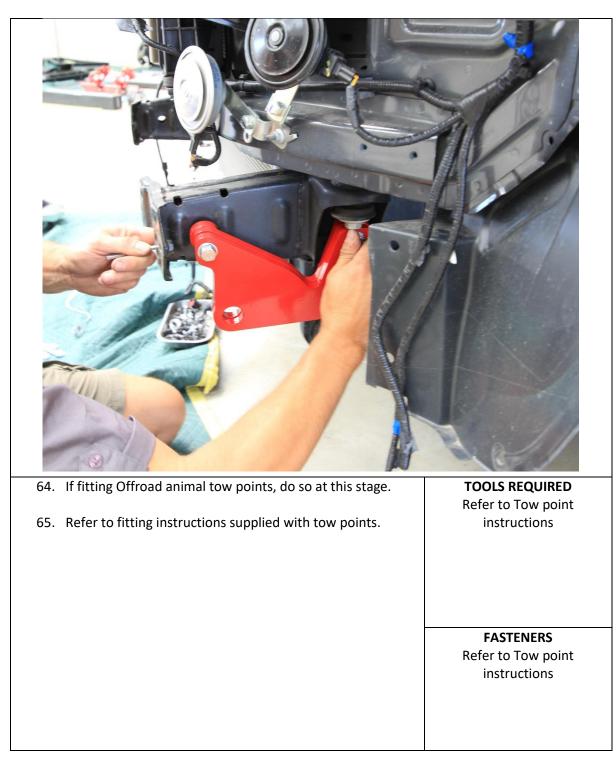


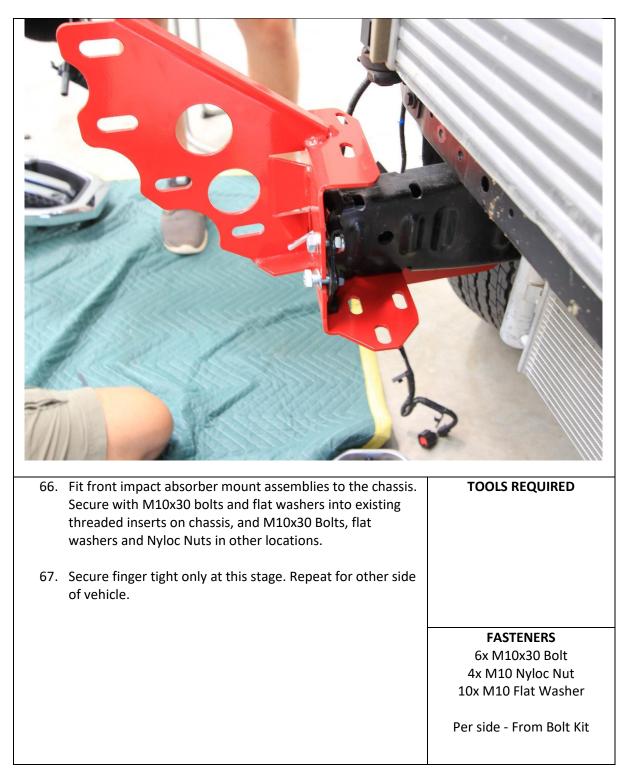




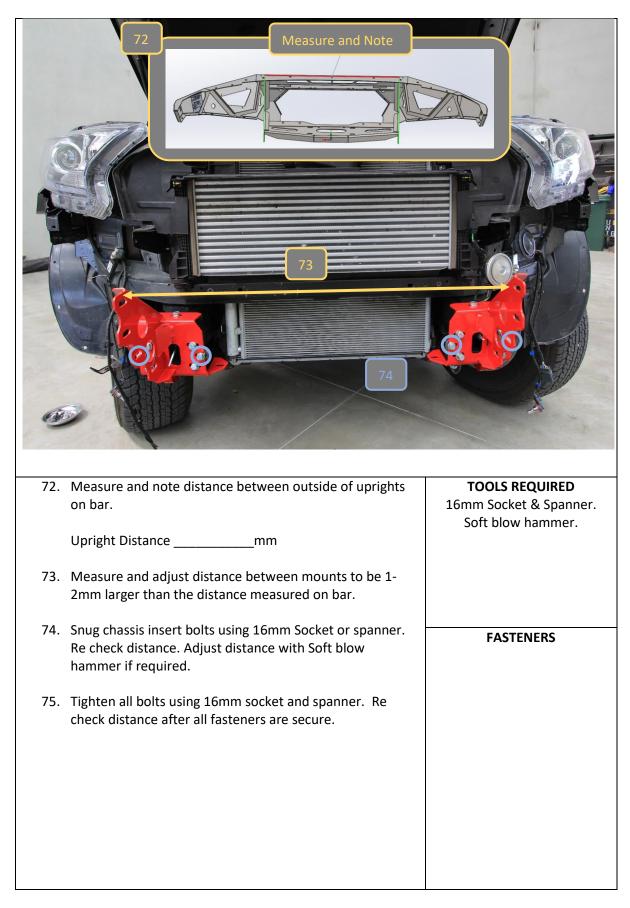


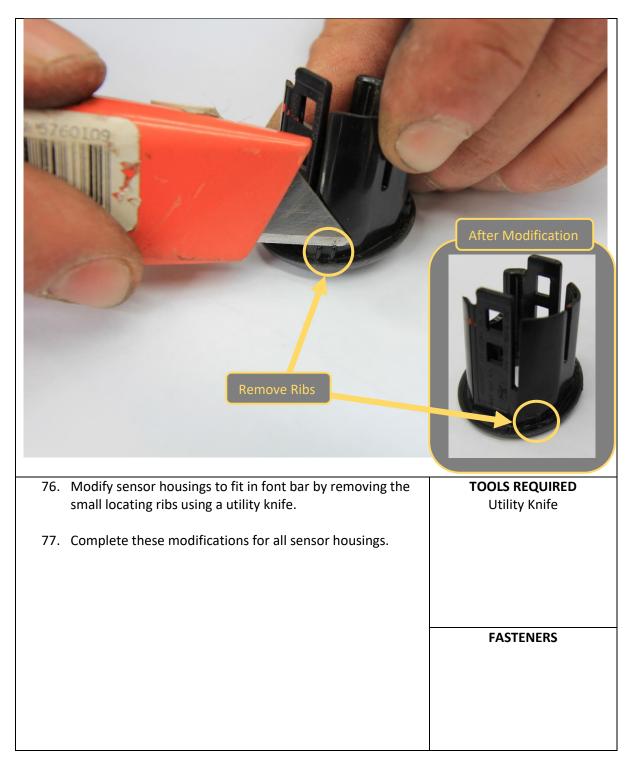


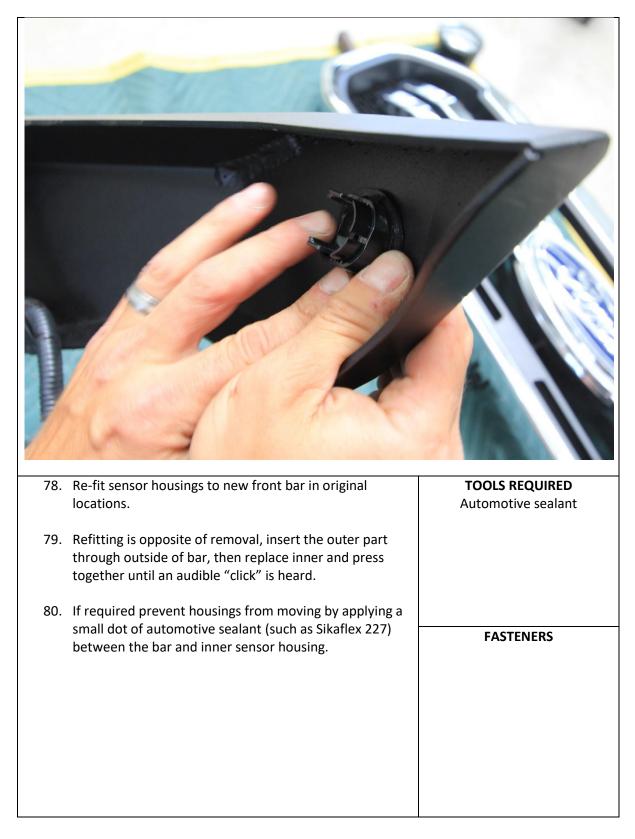


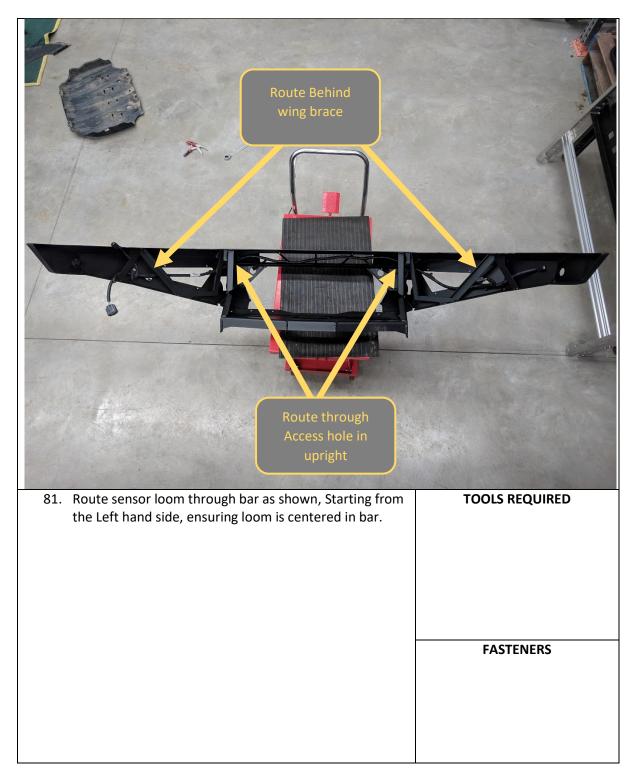


	<image/>
68. Fit Chassis bracket gusset to chassis and mounts.	TOOLS REQUIRED
69. Secure gusset to chassis with M10x30 Bolt, Flat washer and Flange nut, mounted inside the chassis.	
70. Secure to mounts using 3x M10x30 Bolts, Flat washers and Flange nuts.	
71. Secure finger tight only at this stage. Repeat for other side of vehicle.	FASTENERS 4x M10x30 Bolt 4x M10 Flange Nut 4x M10 Flat Washer Per side - From Bolt Kit

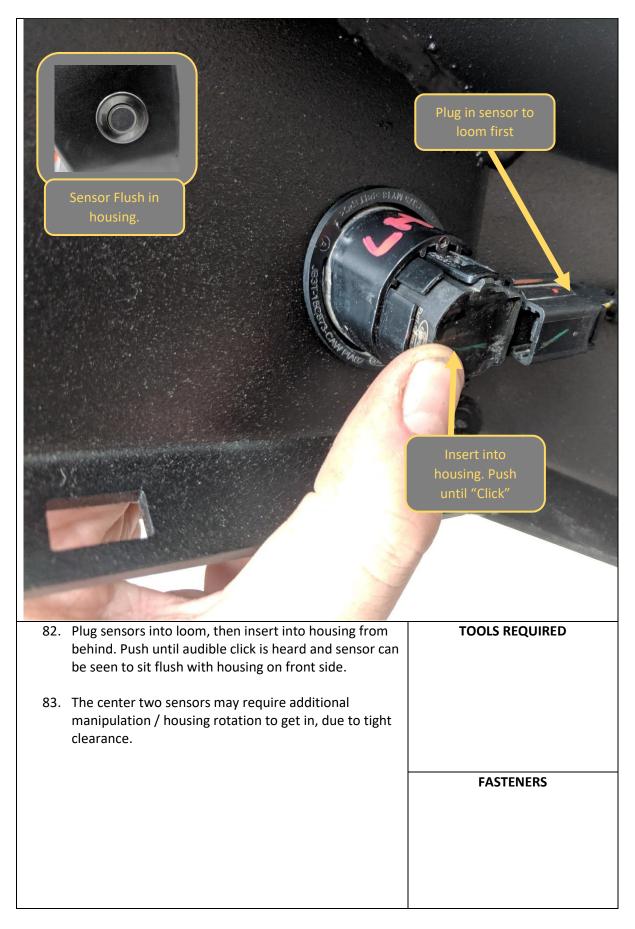


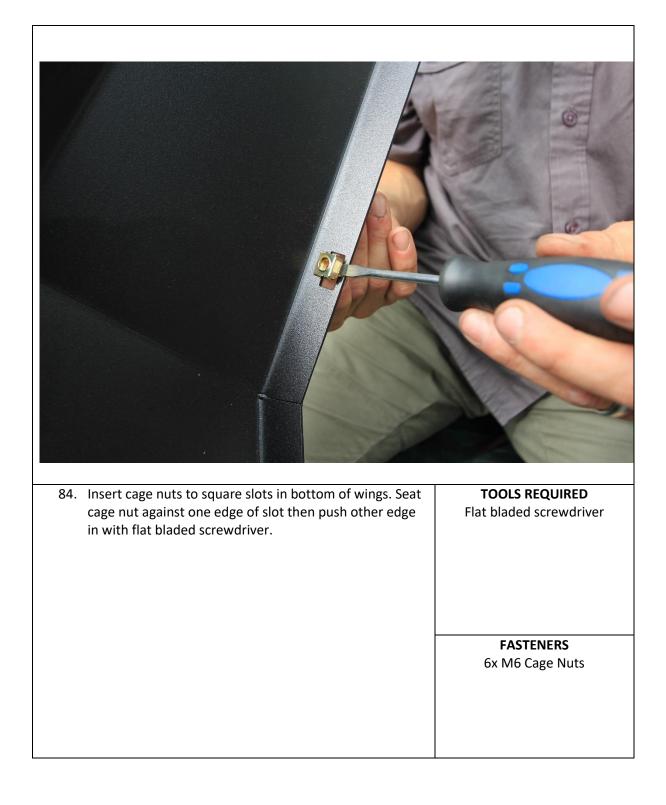






2019+ Ford Ranger PX3 Predator Front Bar





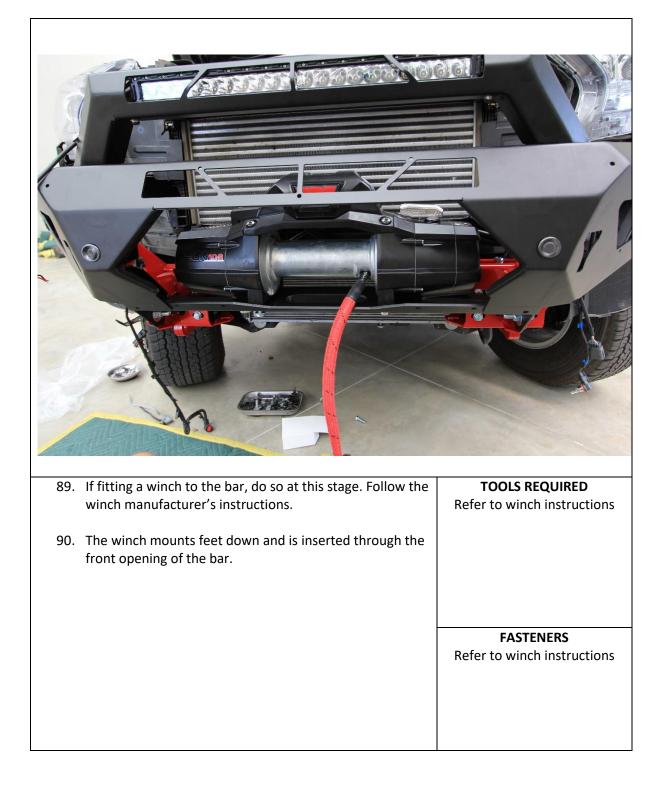


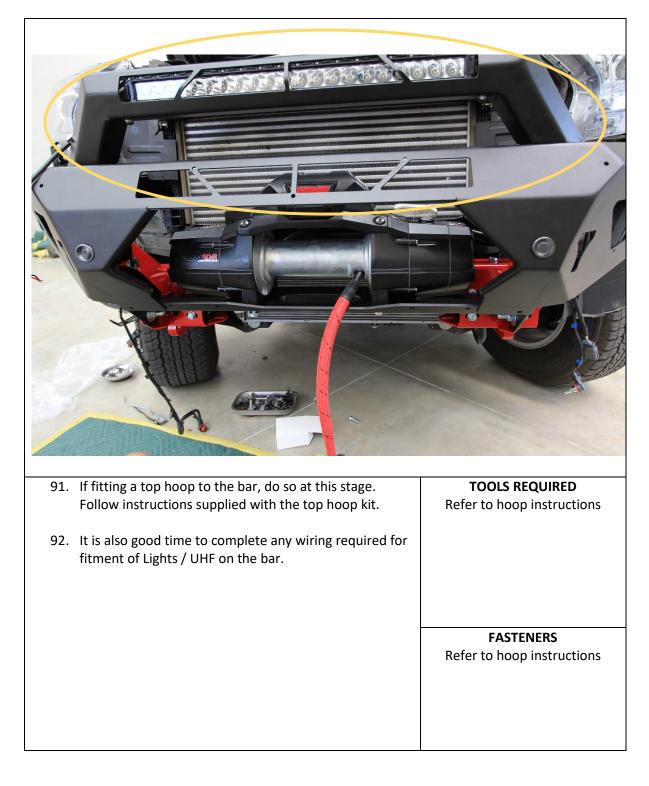
86. Secure with single M12x30 bolt, Flat washers and Nyloc nut each side at this stage. Leave finger tight.

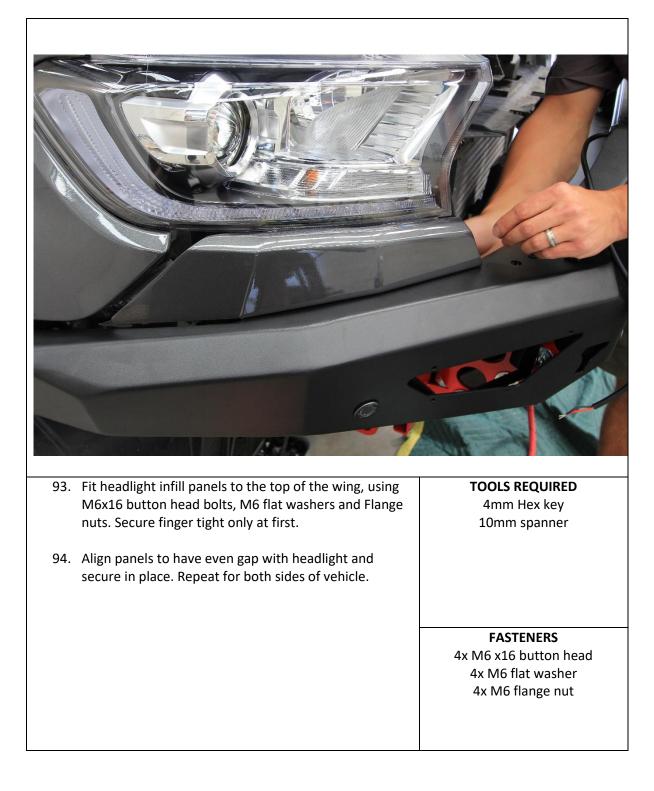
**FASTENERS** 2x M12x30 Bolt 4x Flat Washer

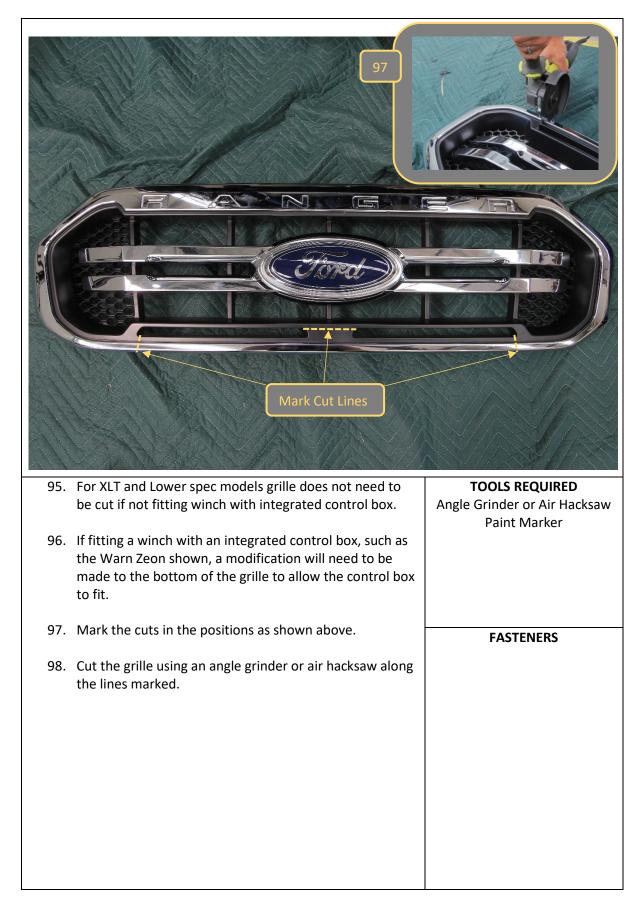
2x M12 Nyloc Nut

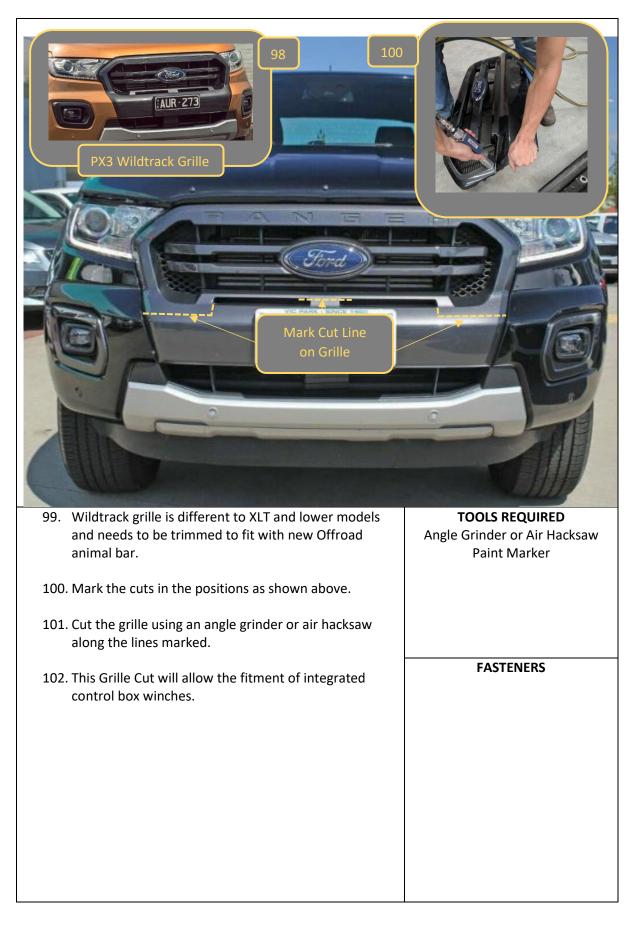


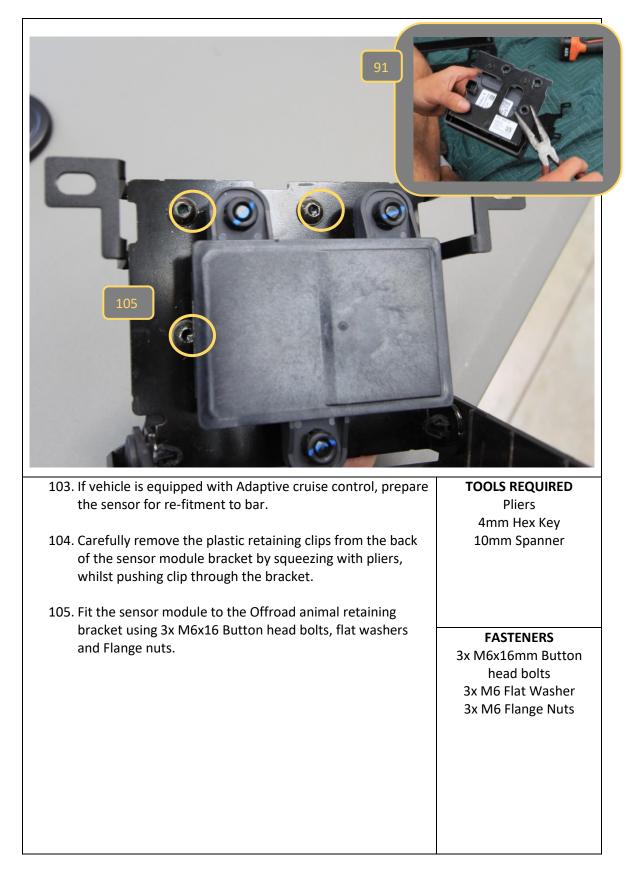


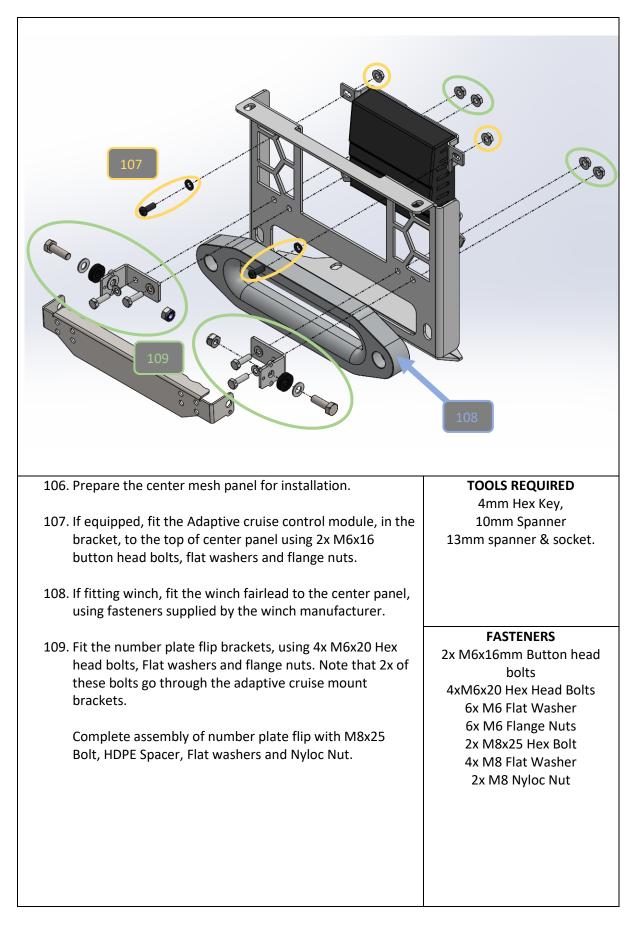




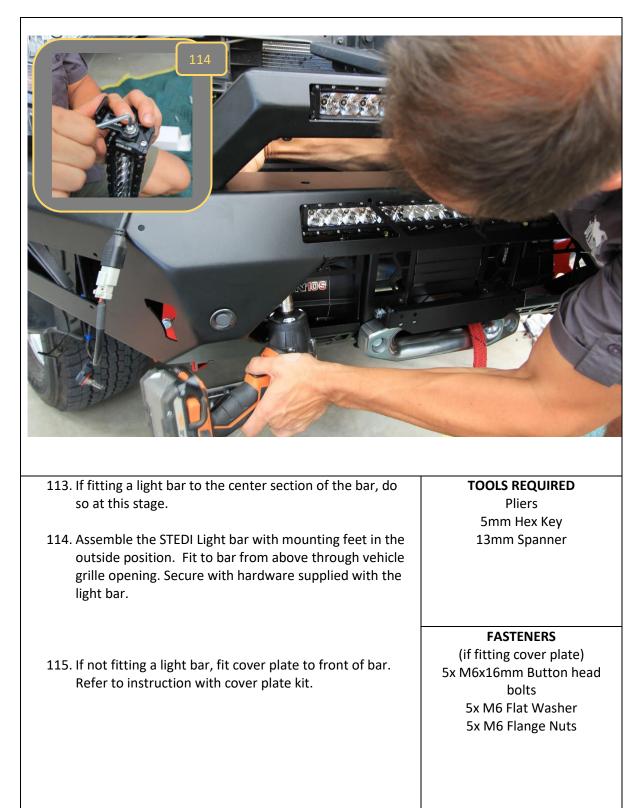












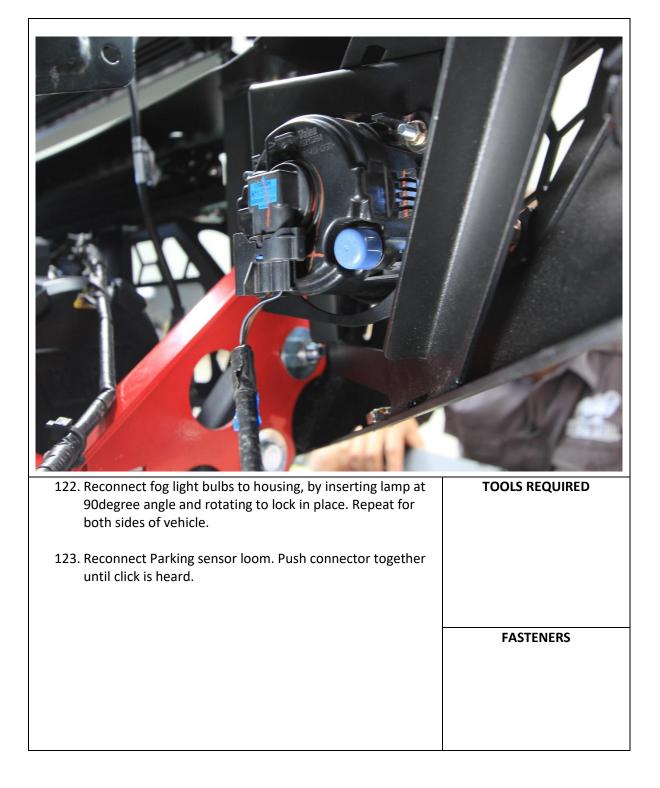


3x M8x16mm Button head bolts 3x M8 Flat Washer 3x M8 Flange Nuts

Per side

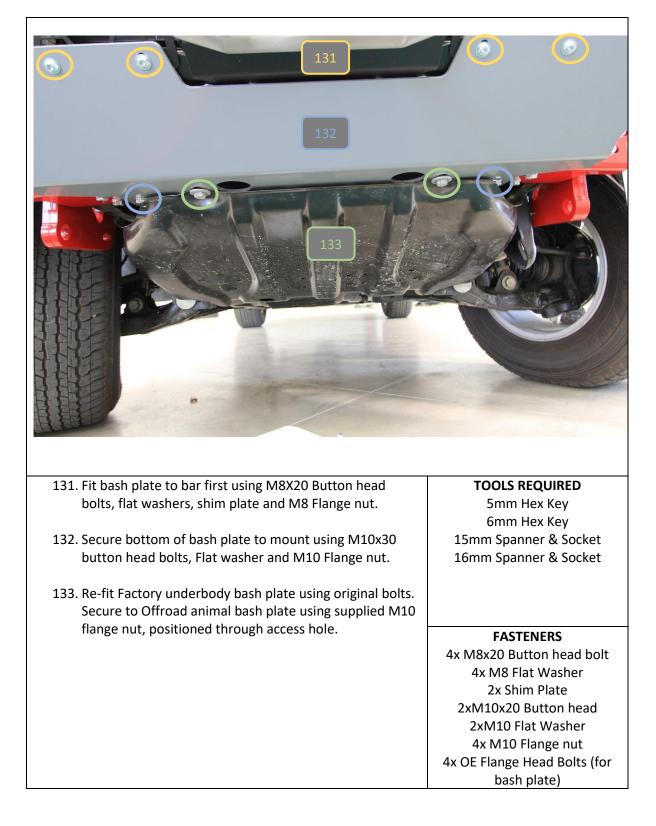


# 2019+ Ford Ranger PX3 Predator Front Bar

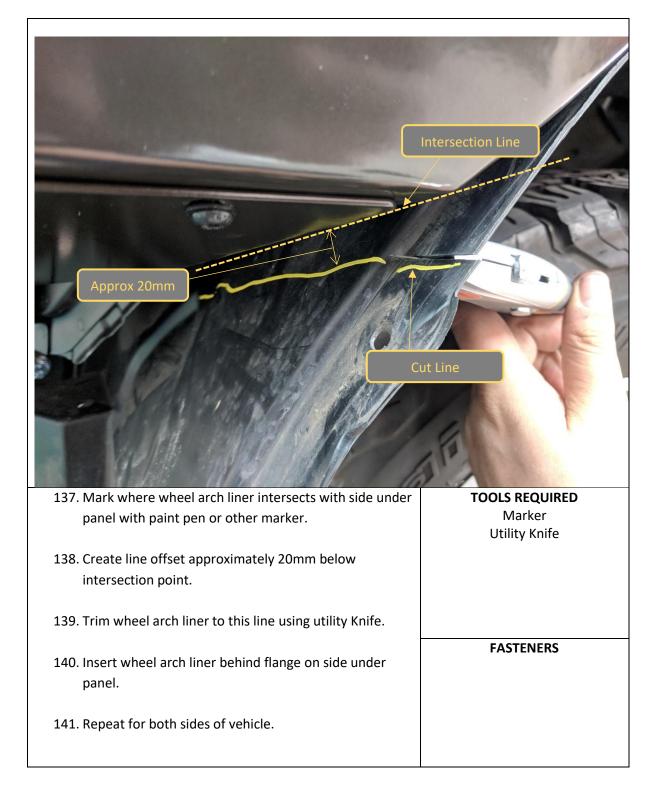


126	
124. Prepare grille for refitment by fitting grille retaining brackets.	TOOLS REQUIRED T25 Torx Driver Side Cutters
125. Remove 2x T25 Torx Screws located in bottom corner of grille.	
126. Remove the locating lugs adjacent to the screw hole, using side cutters.	
127. Fit the Grille retaining brackets to the grille using the original T25 Screw. Brackets should face outwards with the short side mounted to the grille.	<b>FASTENERS</b> 2x T25 Screws

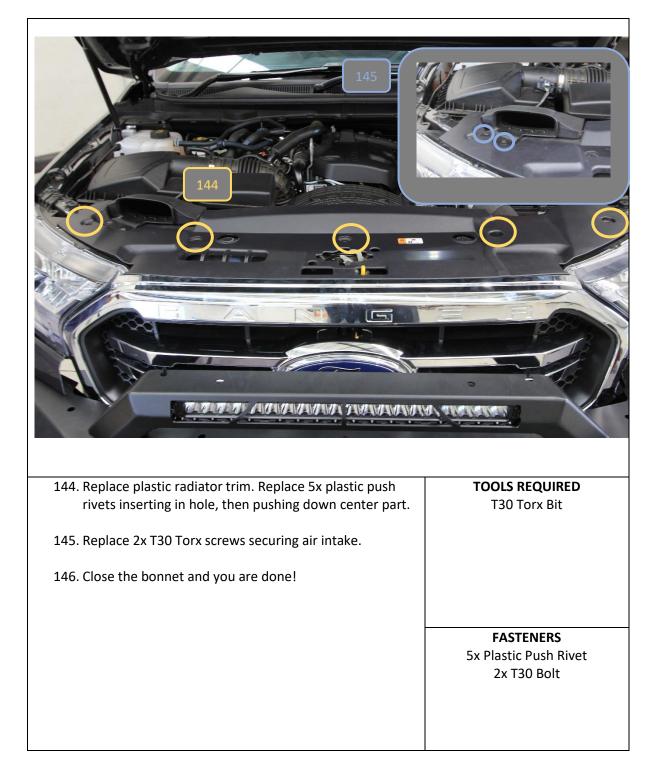




	<image/>
<ul> <li>134. Fit side under panels to bar and secure with 3x M6x16 Button head bolts and M6 Flat washers, into M6 cage nuts fitted earlier.</li> <li>Fitting center bolt first will make it easier to align panel to bar.</li> </ul>	<b>TOOLS REQUIRED</b> 4mm Hex Key 13mm Socket and Spanner
<ul> <li>135. Secure the back corner of underpanel to mount using M8x20 Hex bolt, Flat washer and M8 Flange Nut.</li> <li>136. Repeat for other side of vehicle.</li> </ul>	FASTENERS 6x M8x20 Button head bolt 6x M6 Flat Washer 2xM8x20 Hex head 2xM8Flat Washer 2x M8 Flange nut









Congratulations! Head for the tracks and enjoy your newly protected Ford Ranger!