

## 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-<br>PR-ASM1 | Ford Ranger PX3 Predator Bar<br>Weldment |       |
| 1   | FB-FRA-PX-11-<br>PR-ASM2R | IMPACT ASSY PREDATOR PX<br>RANGER        |       |
| 1   | FB-FRA-PX-11-<br>PR-ASM2L | IMPACT ASSY PREDATOR PX<br>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<br>ISO              |
| 10  | M8 X 16 BHCS BZP                 | SCREW, BUTTON HEAD CAP,<br>M8X16X1.25 GR12.9 BLACK ZP |
| 20  | M8 FLANGE NUT                    | Flange Nut, M8x1.25 G8.8 ZP                           |
| 14  | M8 FLAT<br>WASHER- BLACK<br>ZINC | M8 FW- BLACK ZINC                                     |
| 6   | M8 X 20 BHCS<br>BLACK ZINC       | SCREW, BUTTON HEAD CAP,<br>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<br>BLACK ZINC         | SCREW, BUTTON HEAD CAP,<br>M6X16X1 GR12.9 BLACK ZP    |
| 16  | M6 FLAT WASHER<br>BLACK ZINC     | M6 FW BLACK ZP  |
| 24  | M6 FLANGE NUT                    | Flange Nut, M6x1 G8.8 ZP                              |
| 8   | M5X15 PAN                        | SCREW, PAN HEAD PHILLIPS,<br>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,<br>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-<br>BLACK            | HDPE SPACER - OD 20 X ID 8 X 5MM<br>THICK BLACK       |
| 2   | M8 NYLOC                         | NYLOC SELF LOCKING NUT, ST STL A2<br>ISO              |
| 2   | M8 X 25 HEX                      | Bolt Hex, M8X25x1.25, GR8.8 ZP                        |
| 1   | SPK-BAG                          | BAG, PLASTIC HEAT SELAED - SUIT<br>SMALL PARTS KIT    |

## **TOOLS REQUIRED**

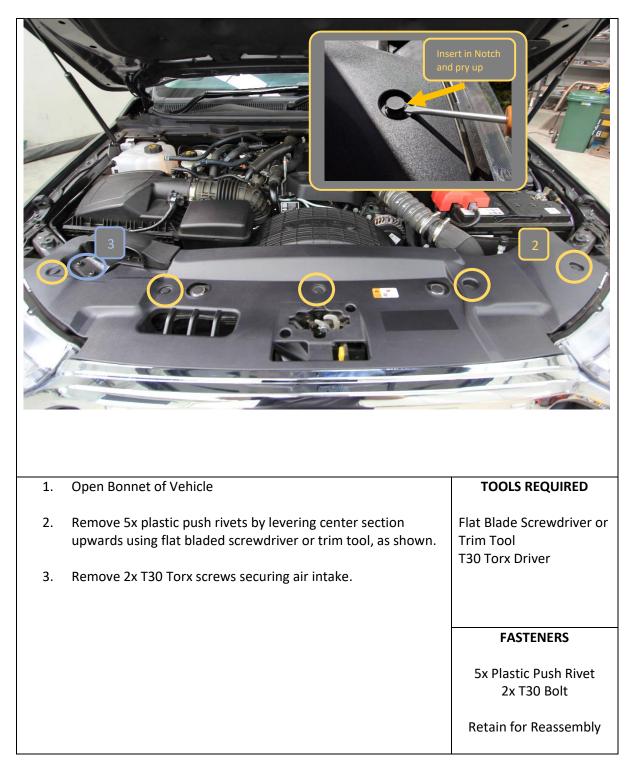
The following tools will be required to install the product.

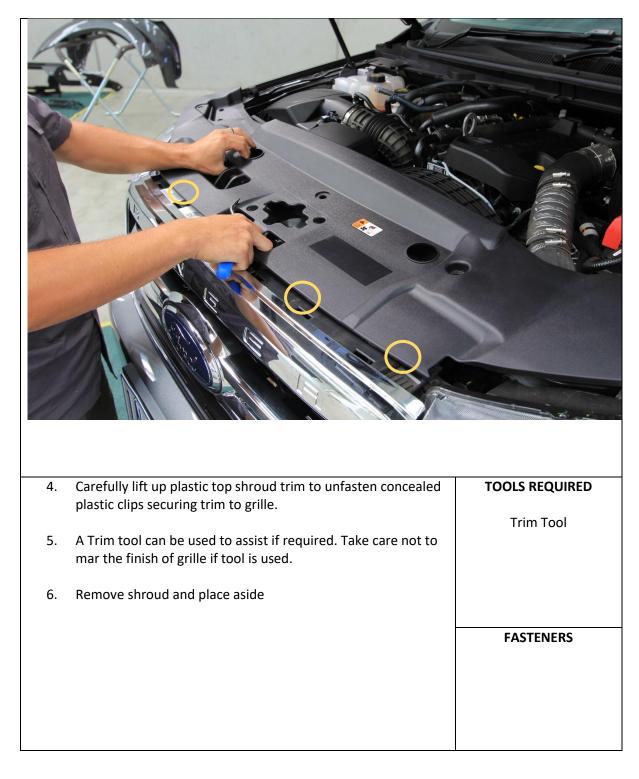
| Hand Tools             | Power Tools          | Workshop Supplies     |
|------------------------|----------------------|-----------------------|
| Metric Socket Set 8-   | Electric Drill       | Double Sided Adhesive |
| 19mm                   | 6mm Drill Bit        | Таре                  |
| Socket 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                 |                      |                       |
|                        |                      |                       |
|                        |                      |                       |
|                        |                      |                       |
|                        |                      |                       |
|                        |                      |                       |
|                        |                      |                       |

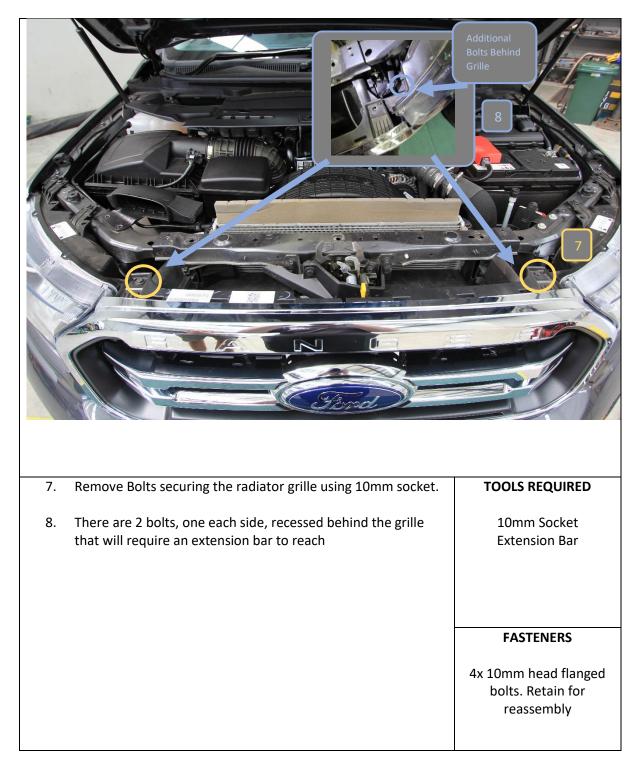
## WORKSHOP SAFTEY

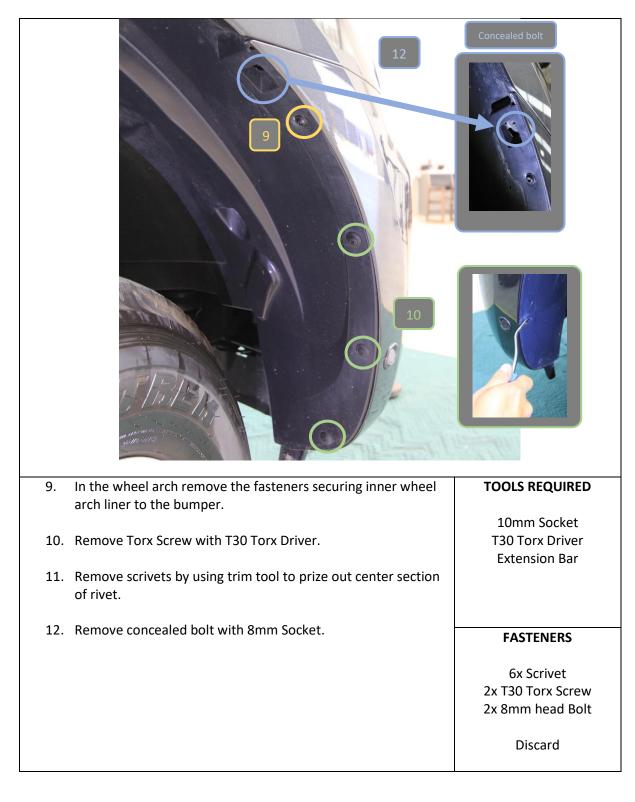
It is the responsibility of the installer to always complete works in a safe manner. Make sure the following safety equipment is available and precautions are observed whilst fitting this product.

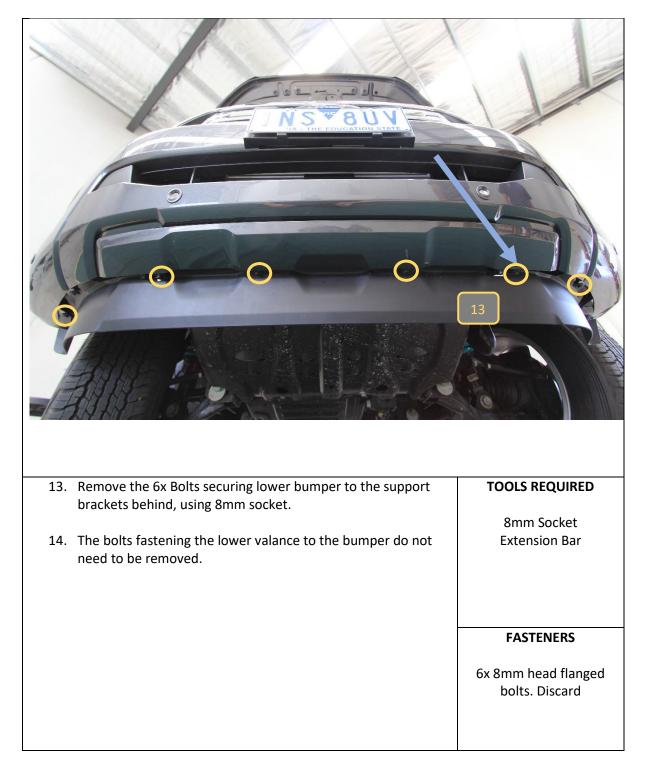
| Hearing Protection | Always wear ear protection when using power<br>tools.   |
|--------------------|---|
| Eye Protection     | Ensure eye protection is always worn when cutting or drilling.  |
| Manual Handling    | Do not attempt to lift bar assemblies or rock<br>sliders on your own.<br>Always use two people to lift or use mechanical<br>Lifting aid such as hydraulic lifting trolley.                                    |
| Vehicle Support    | Always ensure vehicle is properly supported<br>when working on it. Do not attempt to fit<br>products whilst suspension work is being<br>carried out. Do not work under a vehicle<br>supported only by a jack. |







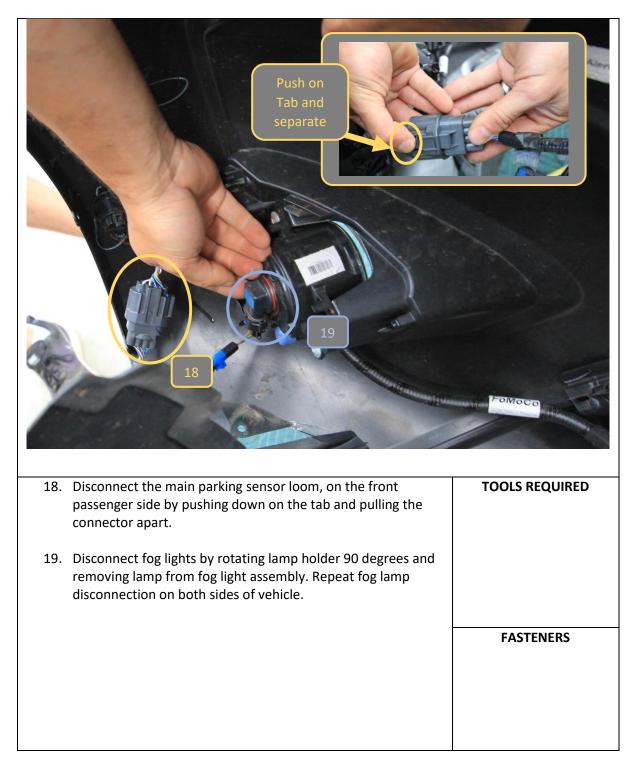


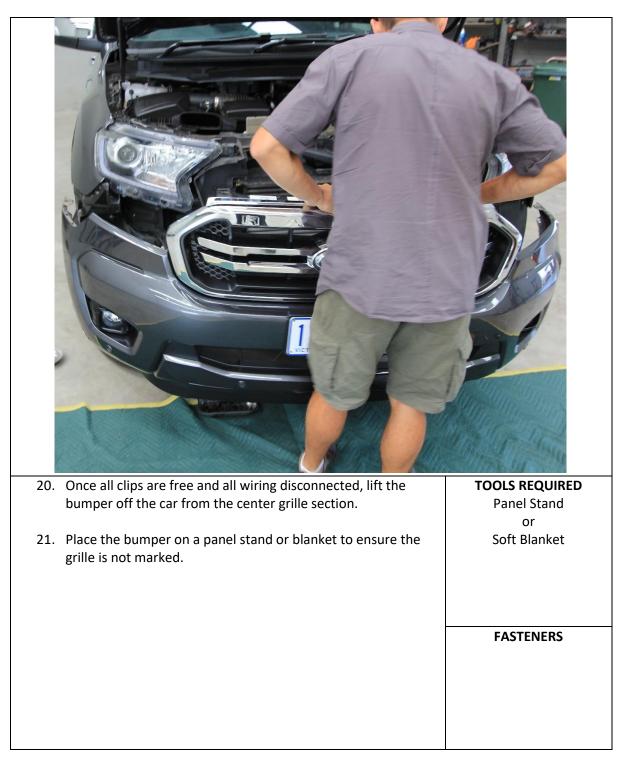


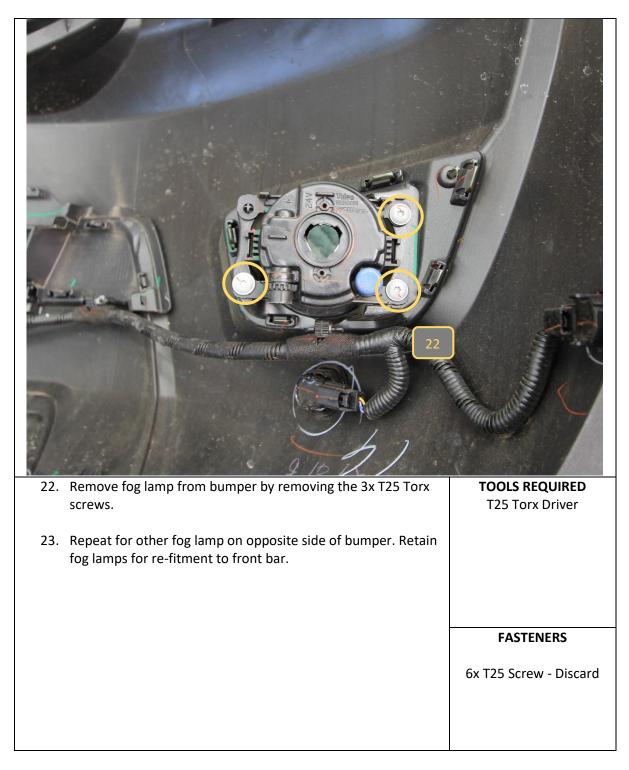
#### 2019+ Ford Ranger PX3 Predator Front Bar

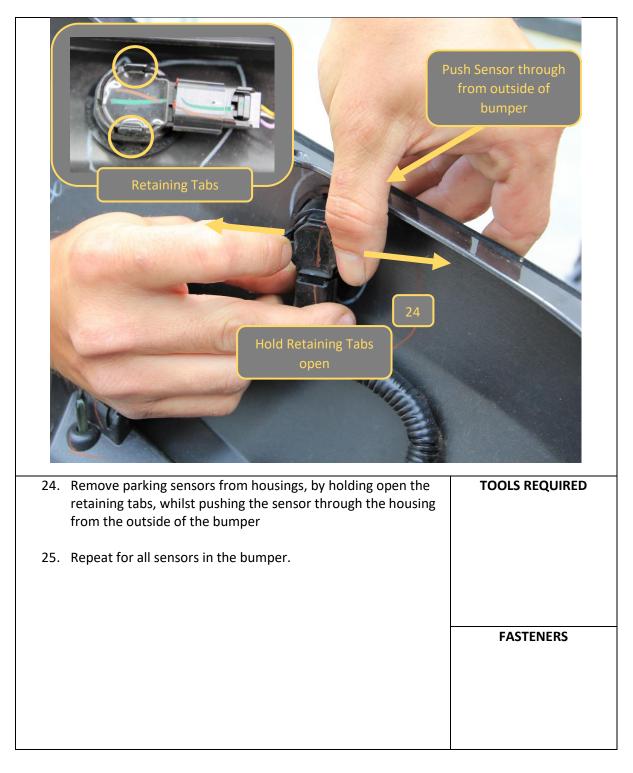
| Арр  | °OX.   |
|--|--|
| Starting at the wheel arch firmly but carefully pull the bumper<br>away from the panel to release the clips.   | TOOLS REQUIRED   |
| As the clips release move the pressure toward the center of<br>the car until the next clip releases. Continue until all clips on<br>each side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

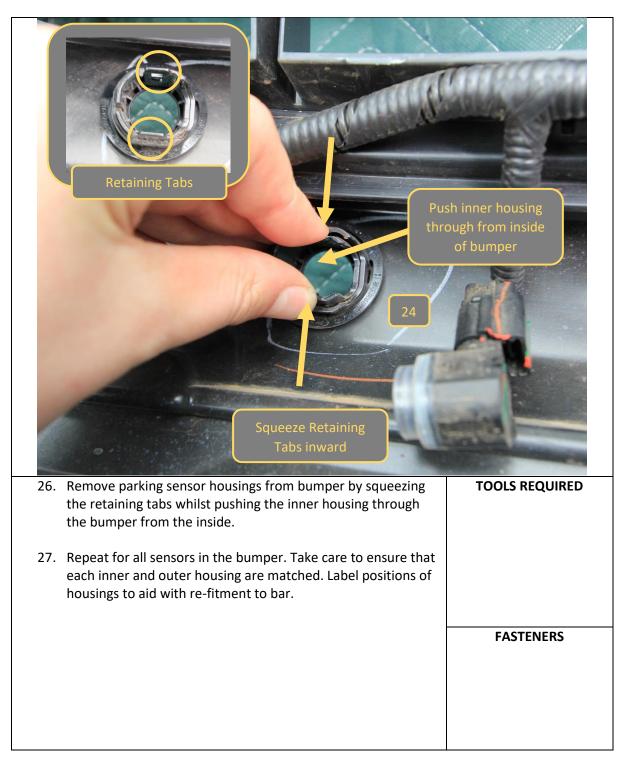
REV B

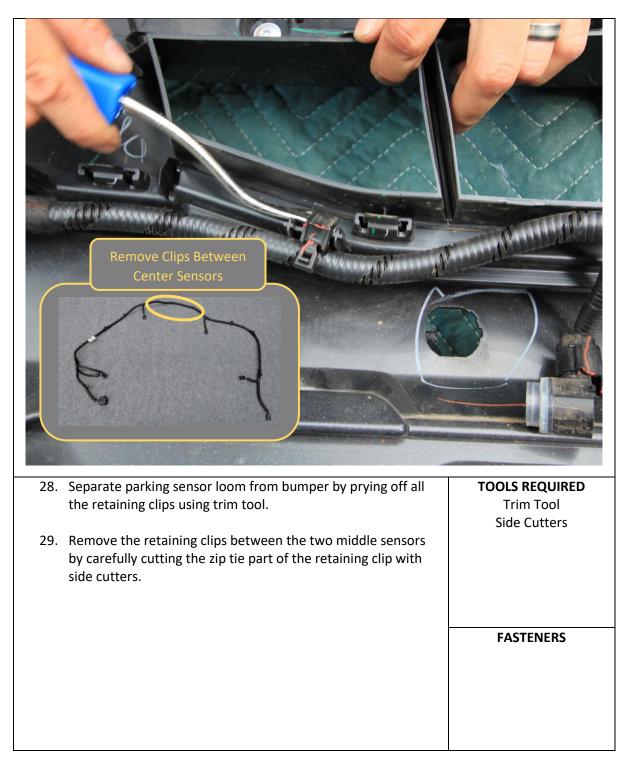


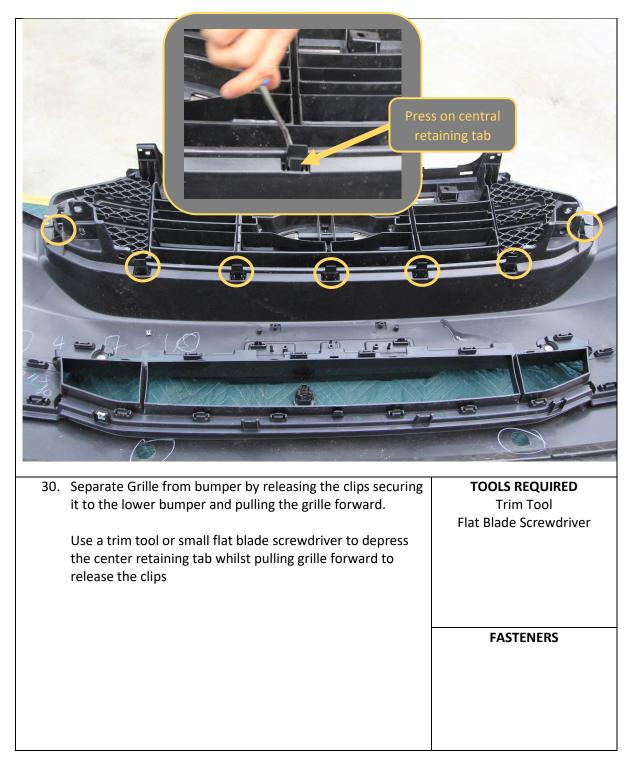


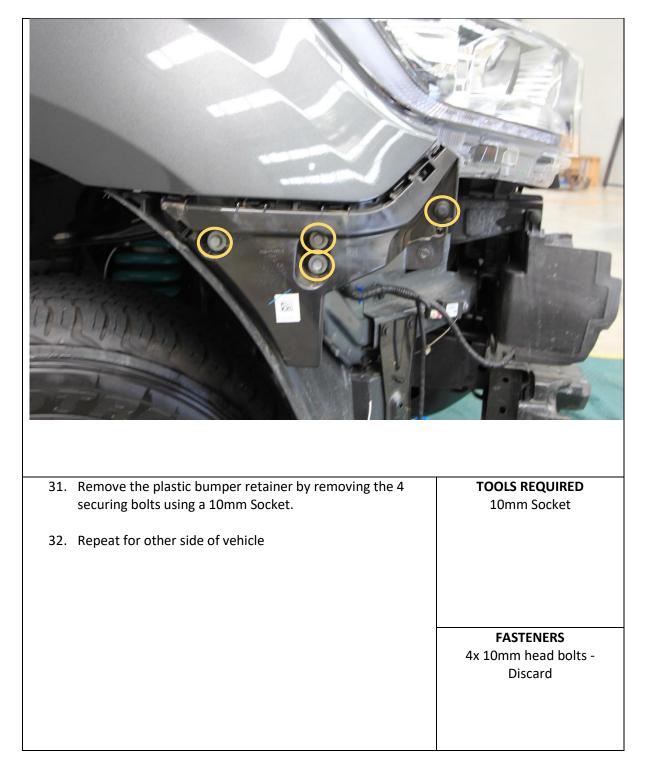


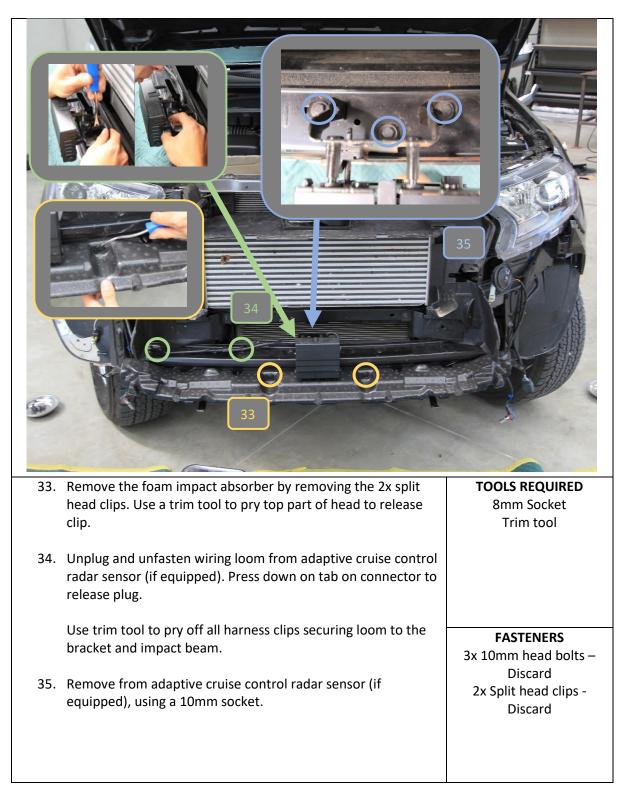






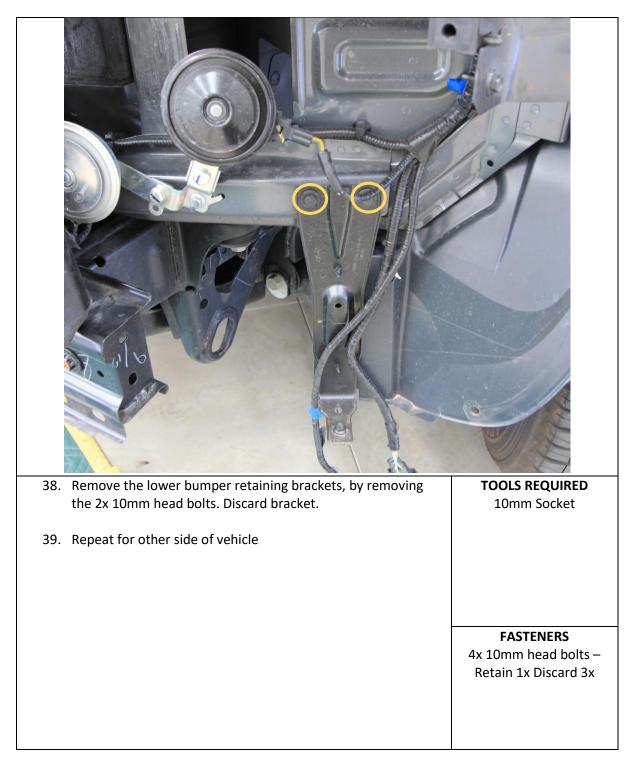


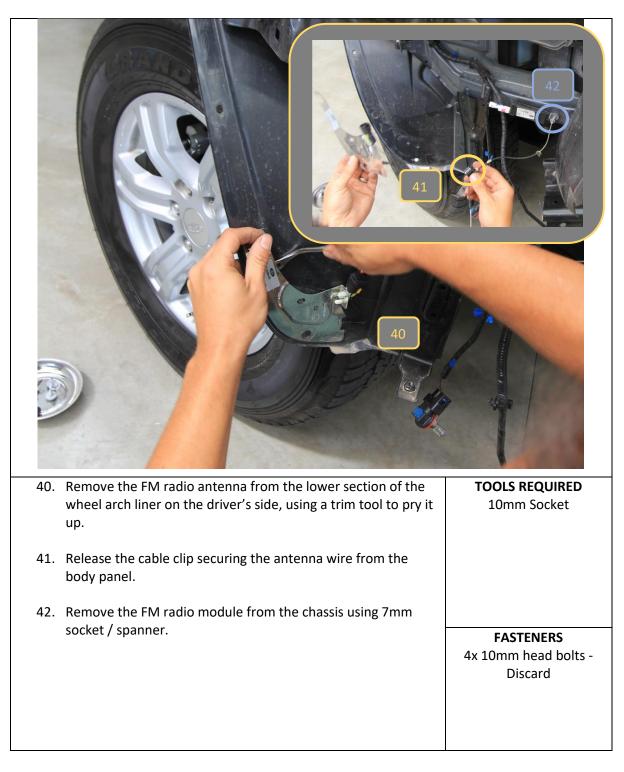


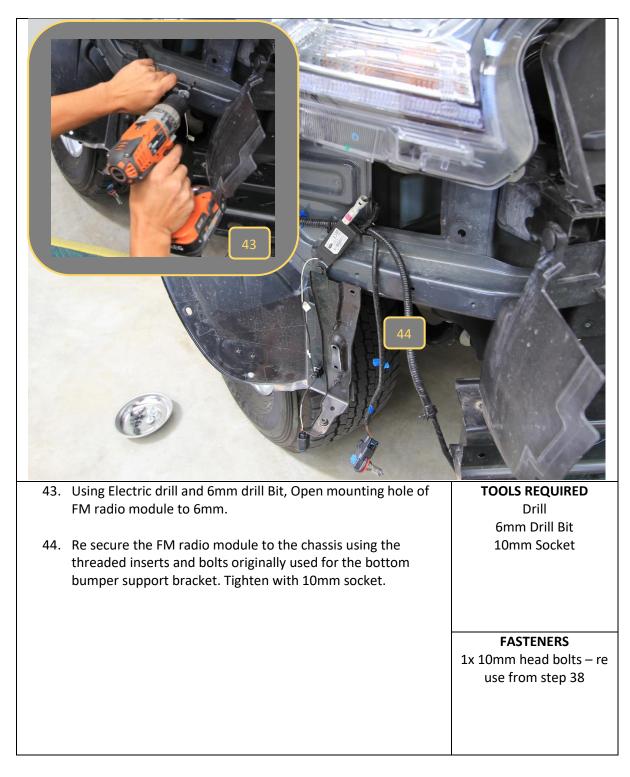


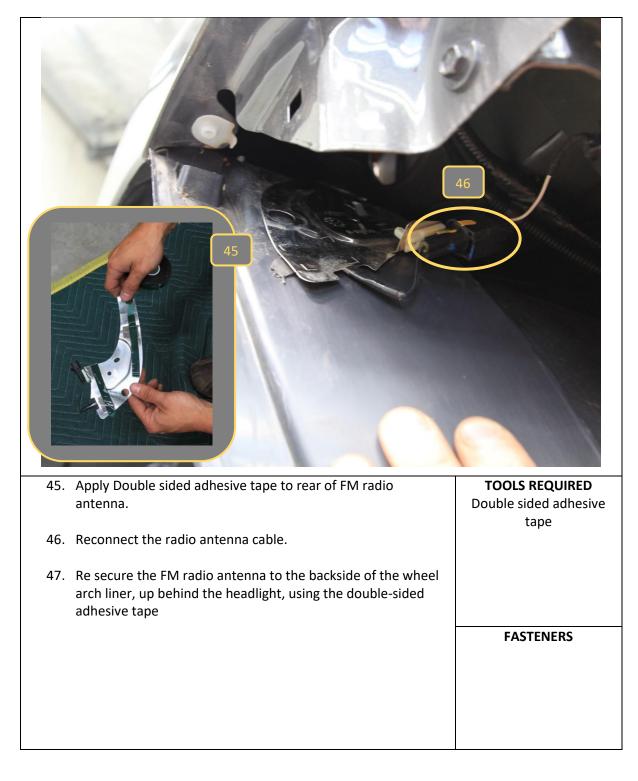
| <image/>   |                |
|--|----------------|
| <ol> <li>Separate the adaptive cruise control bracket from the support<br/>bracket by pulling the bracket out of the ball and socket clips.</li> </ol>   | TOOLS REQUIRED |
| 37. Take care not to drop or damage the adaptive cruise control module. 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      |
|  |                |
|  |                |

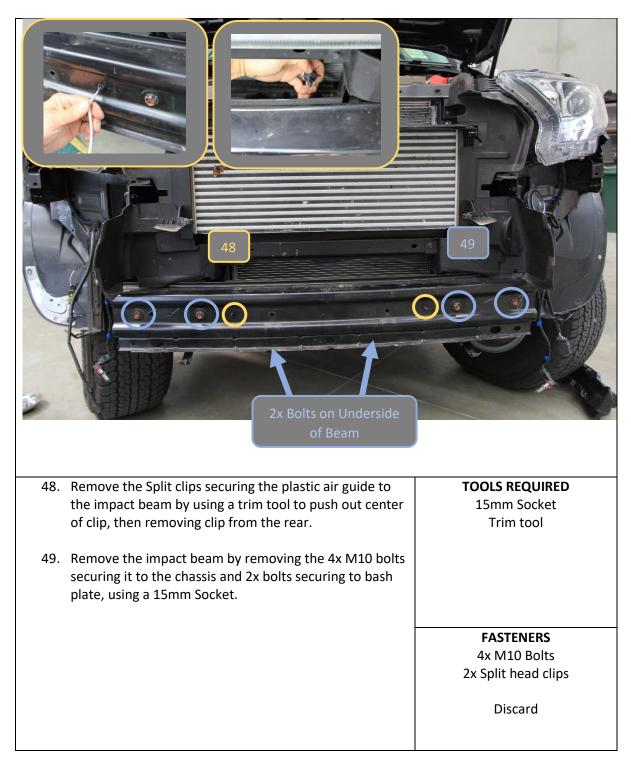
27/04/19

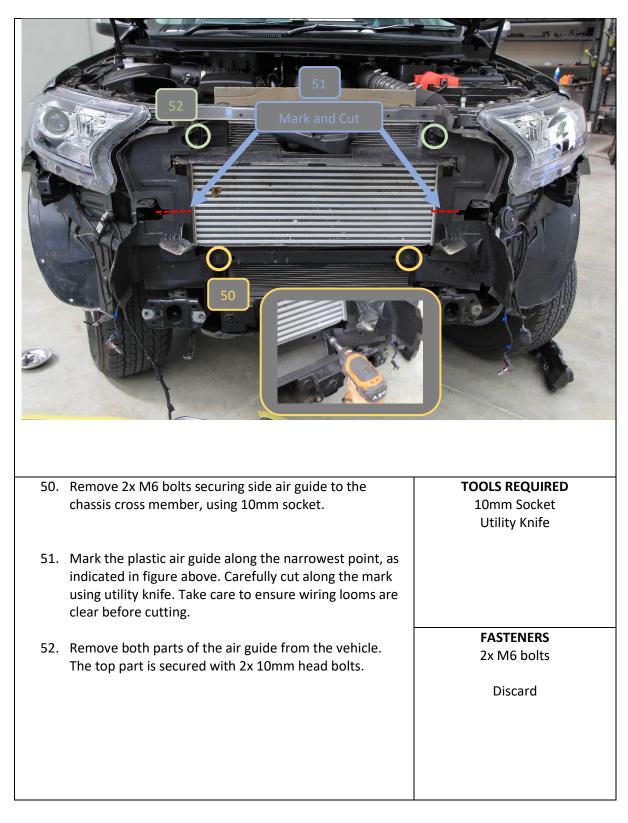


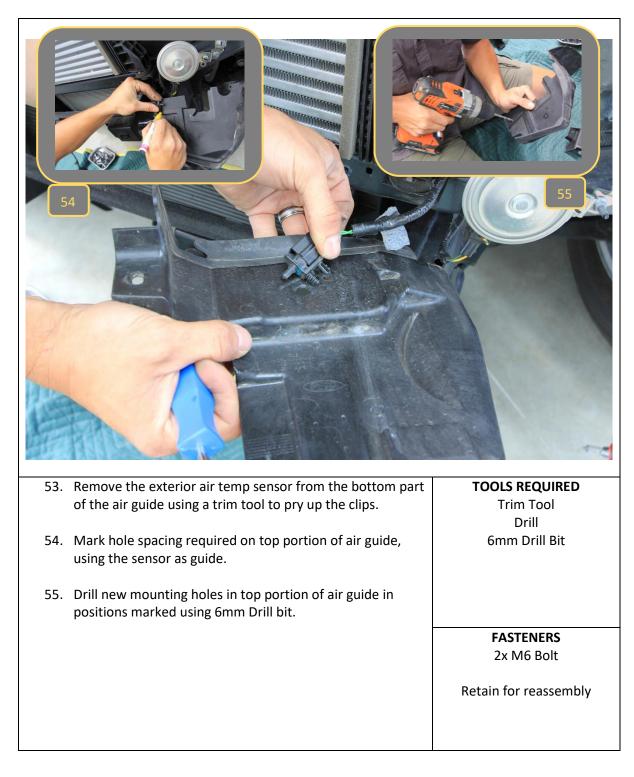


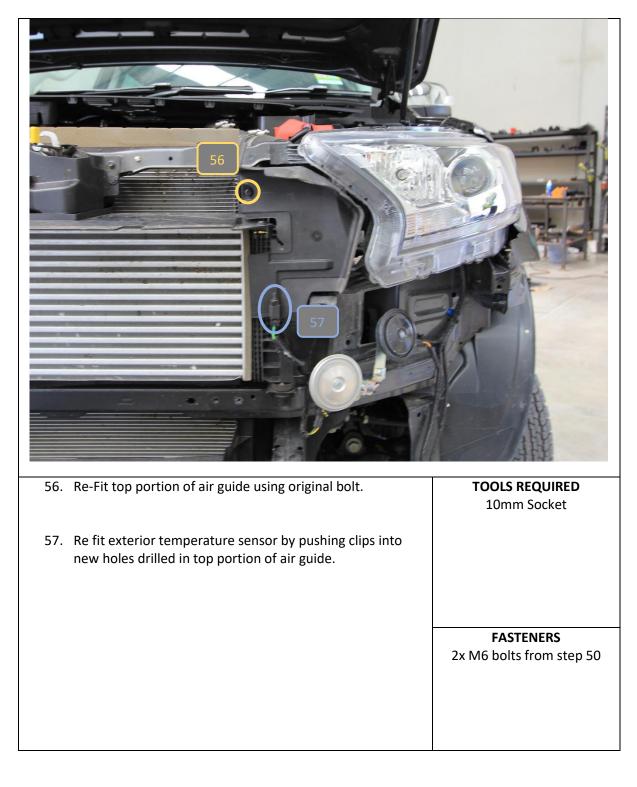


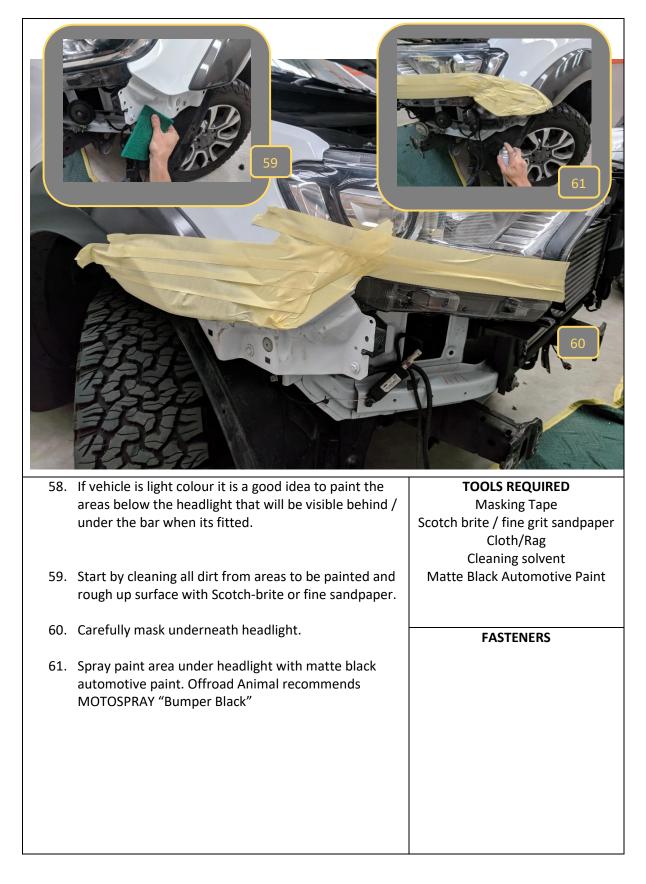


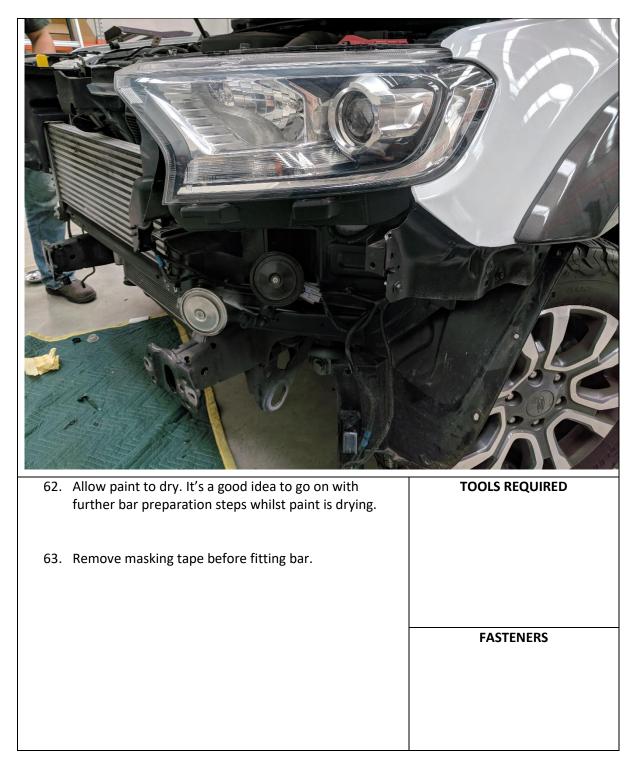


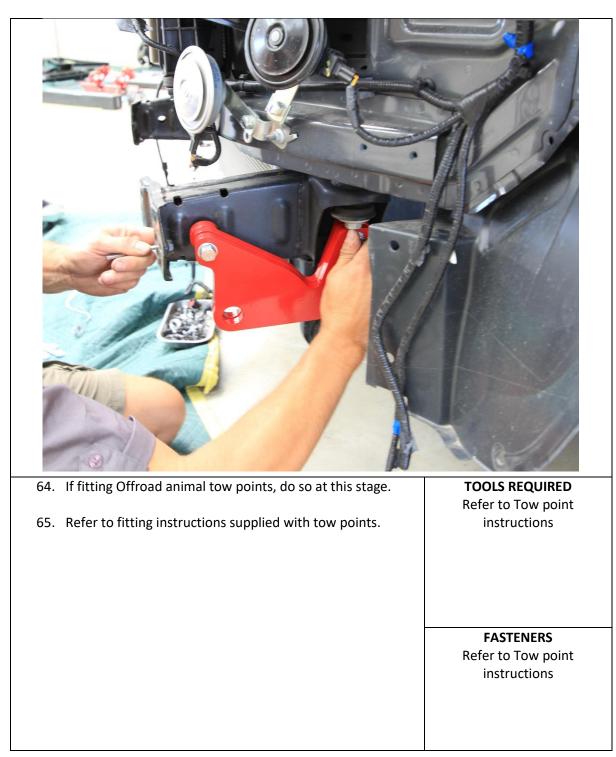


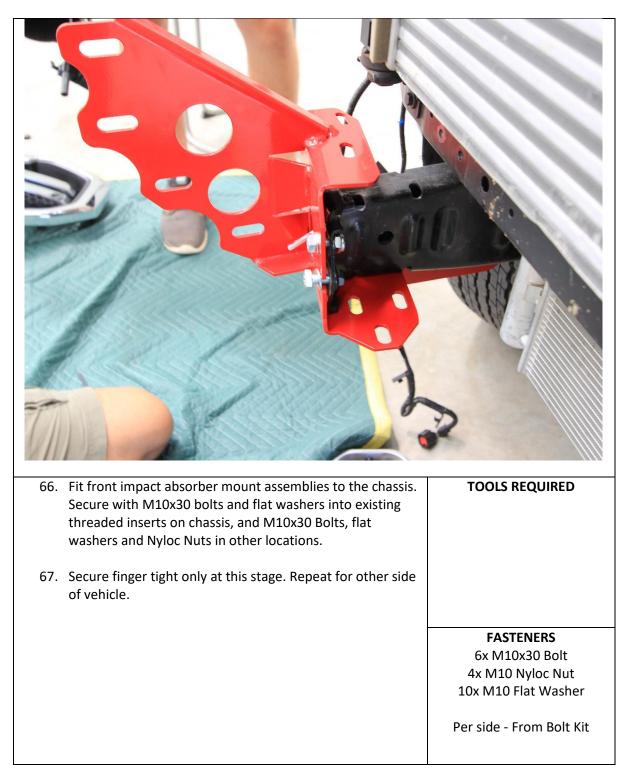




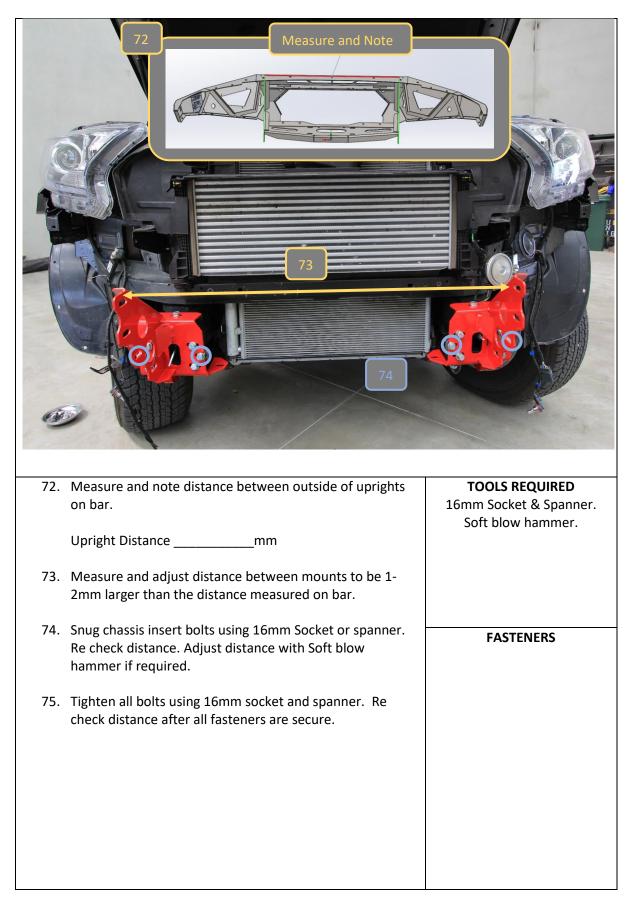


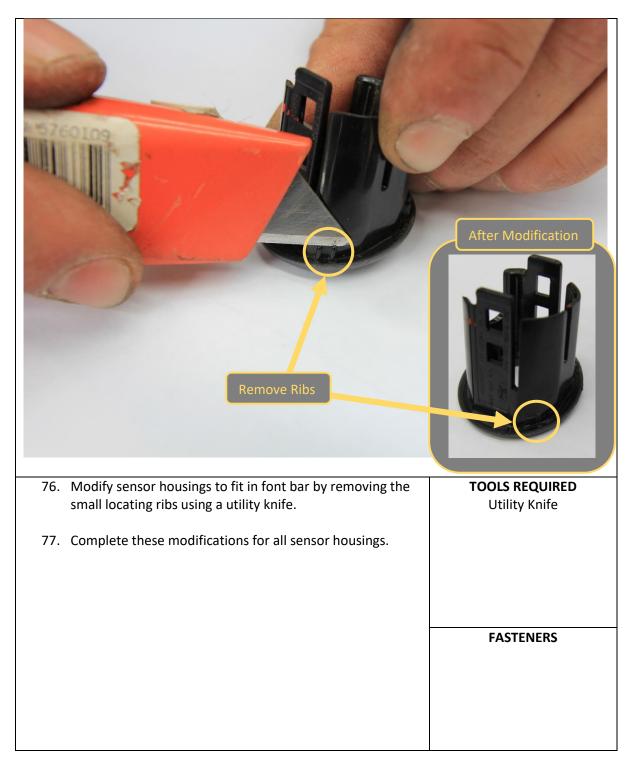


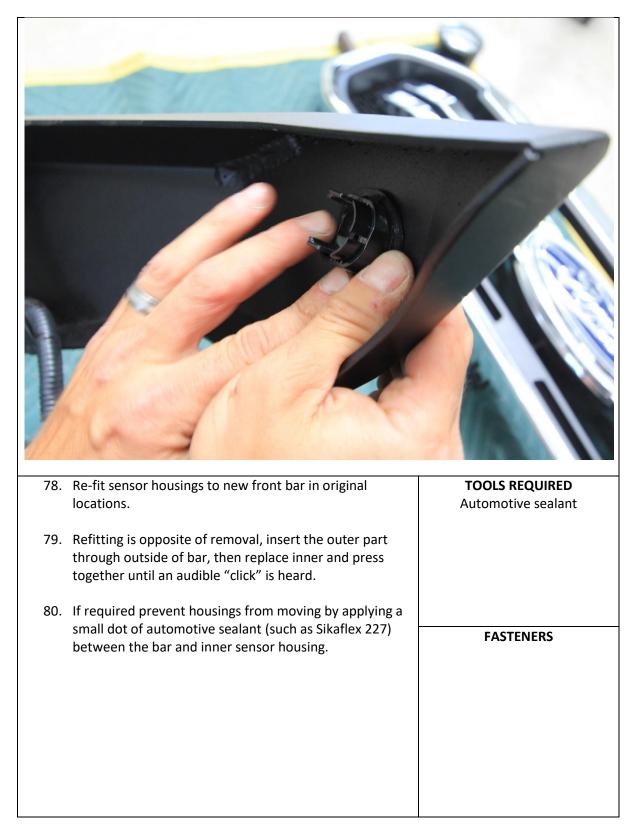


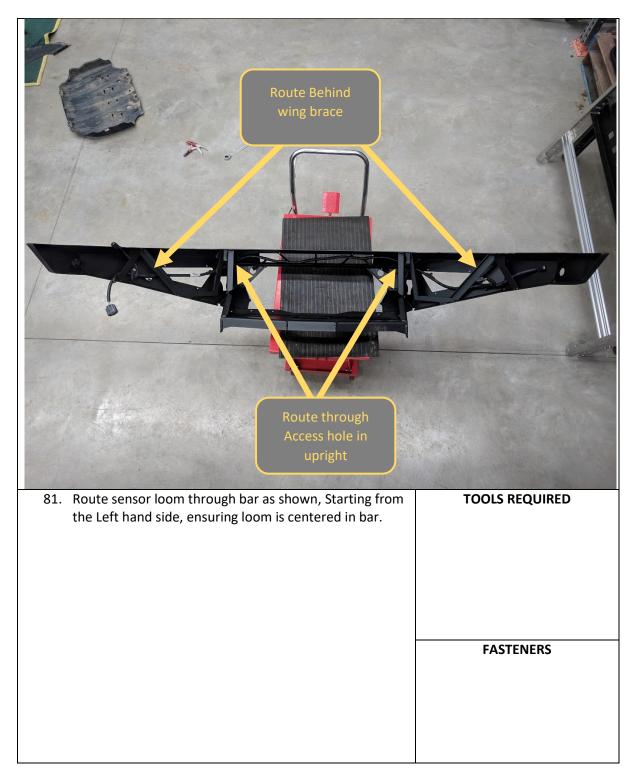


|  | <image/>   |
|--|--|
| 68. Fit Chassis bracket gusset to chassis and mounts.  | TOOLS REQUIRED   |
| 69. Secure gusset to chassis with M10x30 Bolt, Flat washer and Flange nut, mounted inside the chassis. |  |
| 70. Secure to mounts using 3x M10x30 Bolts, Flat washers and Flange nuts.           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

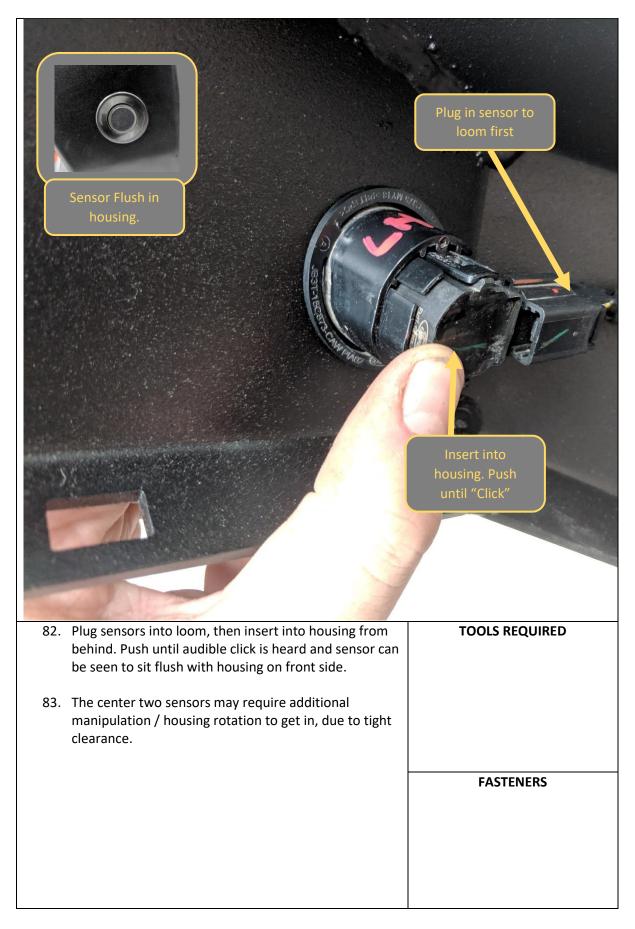


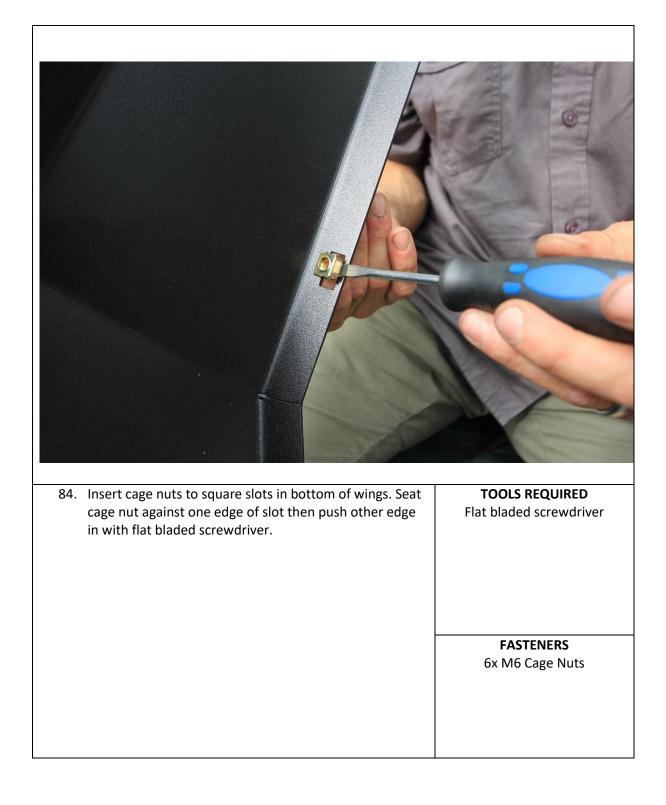






2019+ Ford Ranger PX3 Predator Front Bar



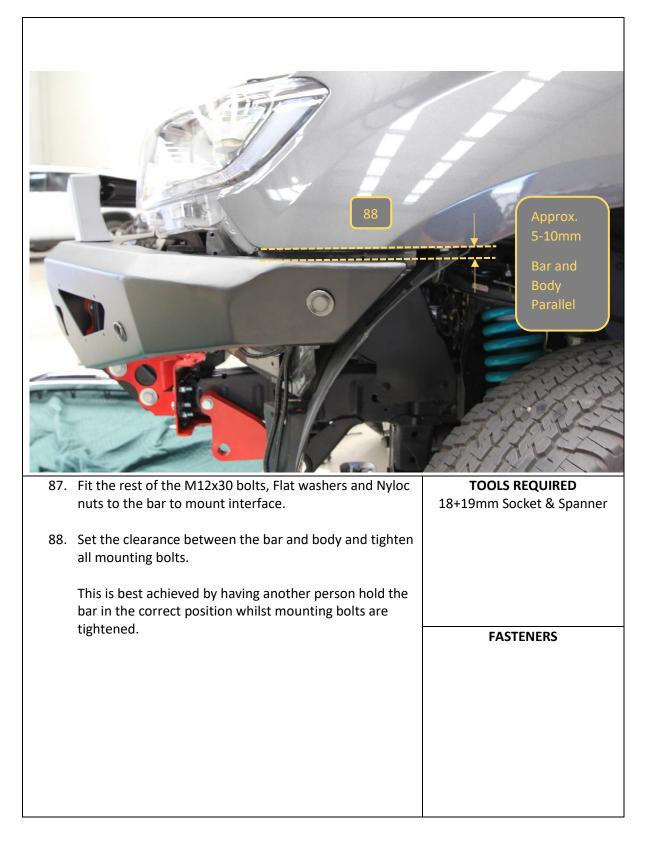


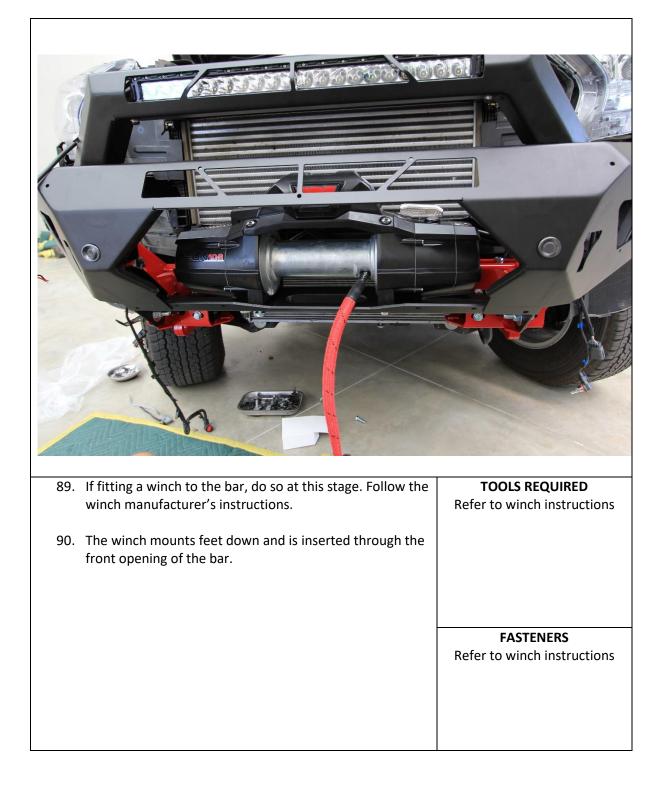


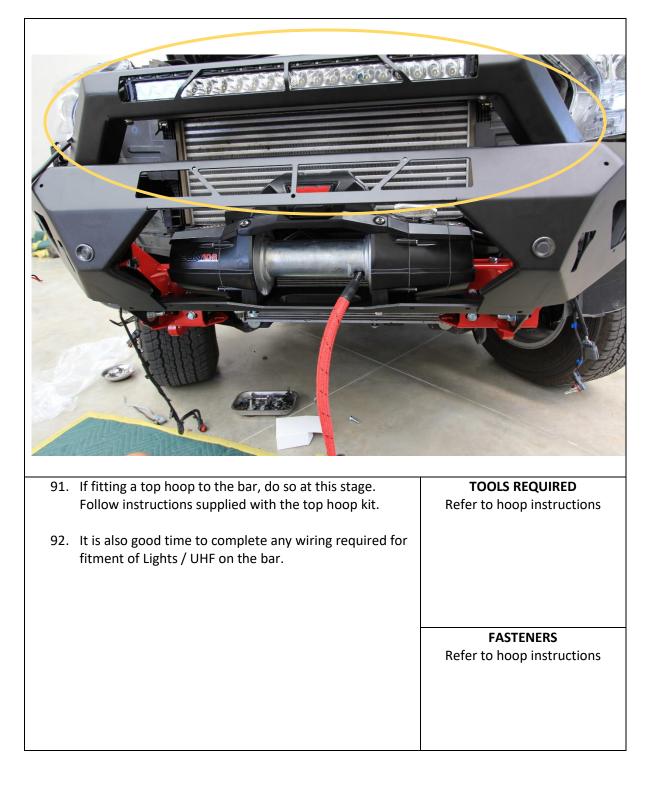
86. Secure with single M12x30 bolt, Flat washers and Nyloc nut each side at this stage. Leave finger tight.

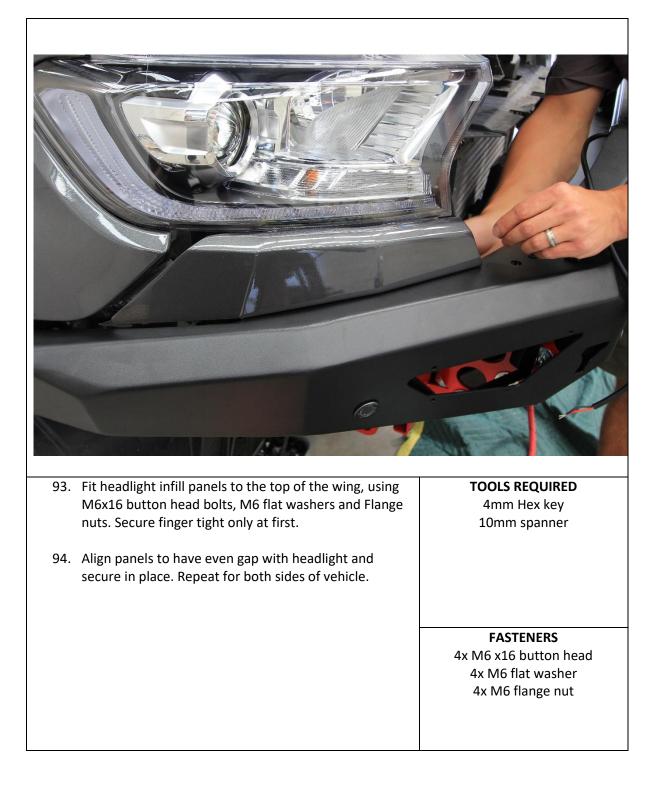
**FASTENERS** 2x M12x30 Bolt 4x Flat Washer

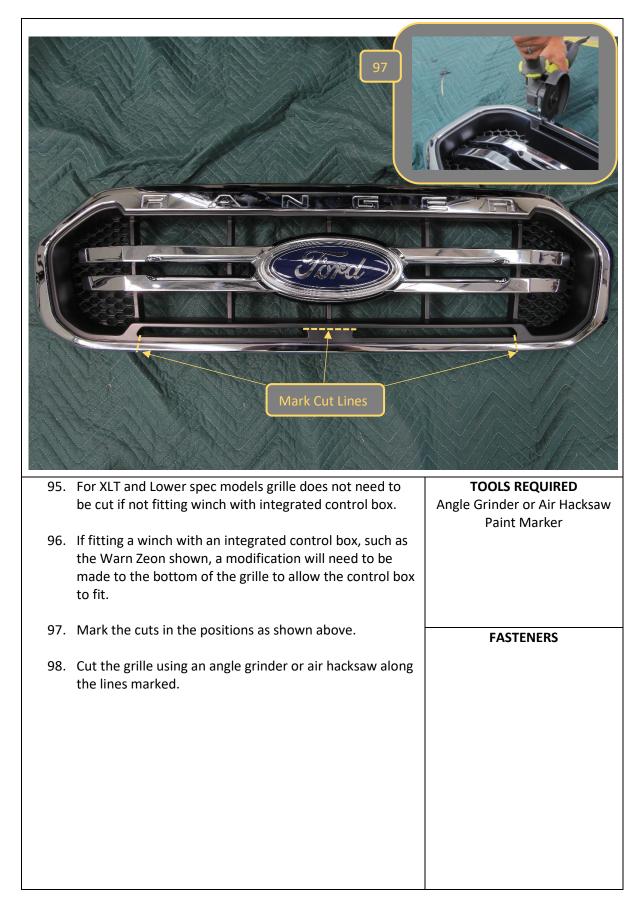
2x M12 Nyloc Nut

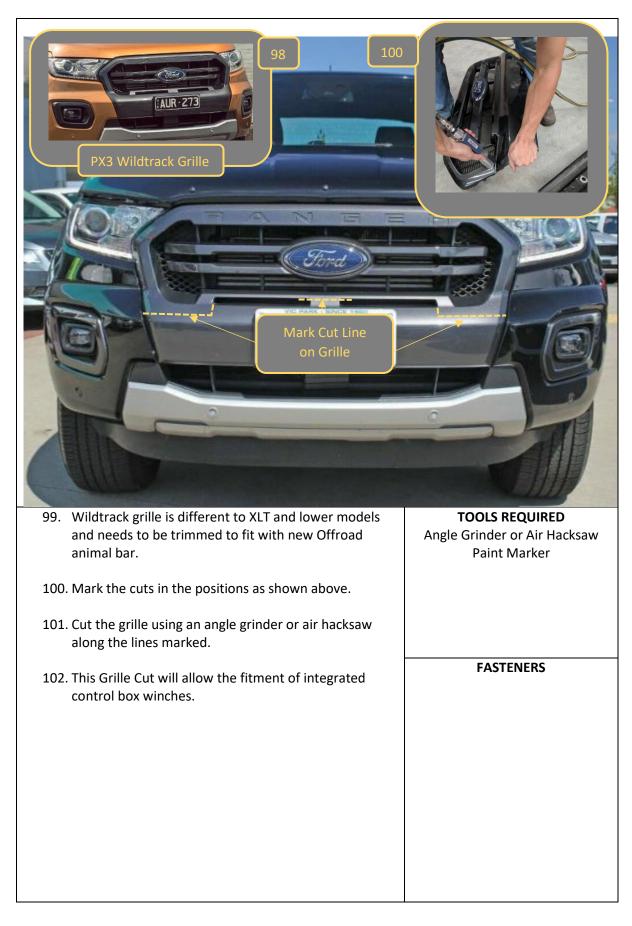


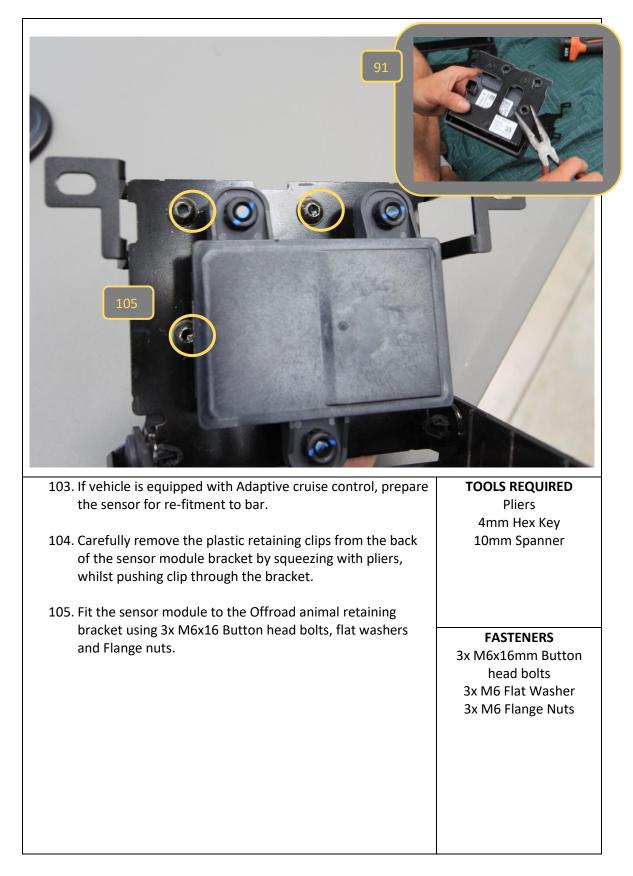


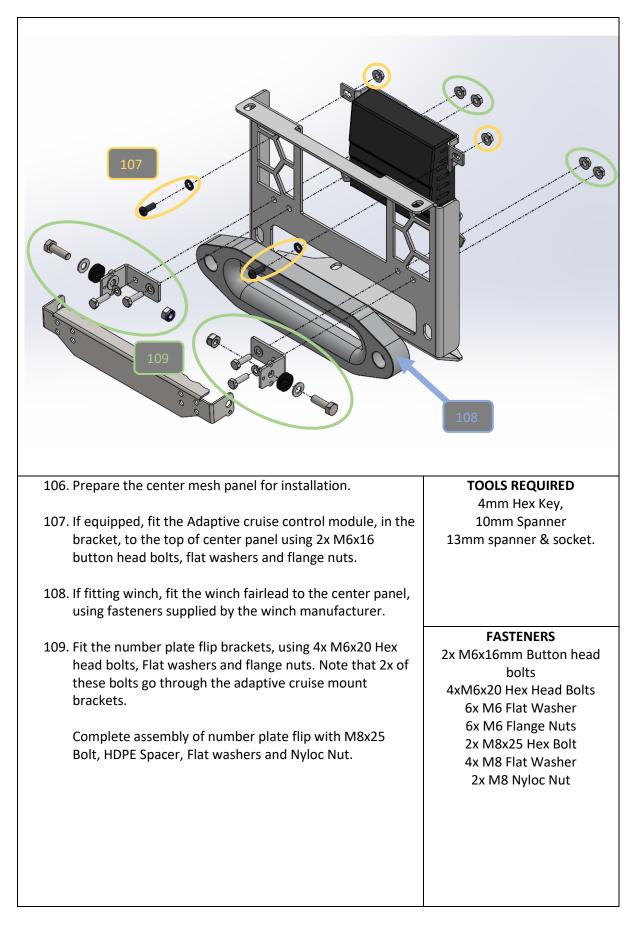




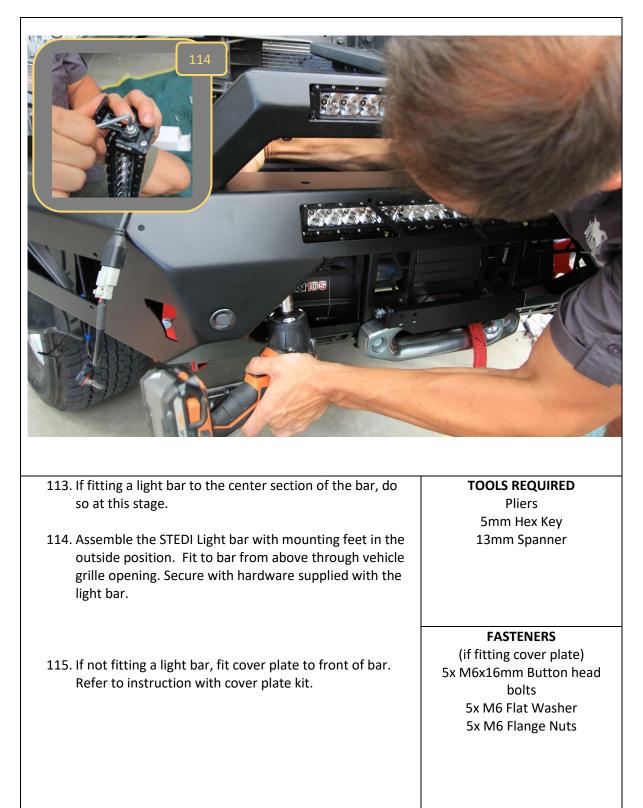












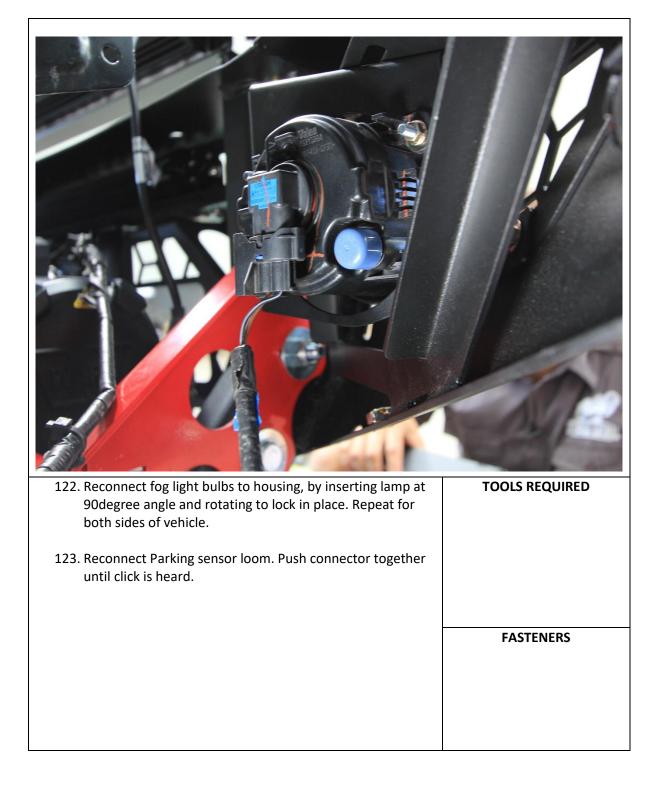


3x M8x16mm Button head bolts 3x M8 Flat Washer 3x M8 Flange Nuts

Per side

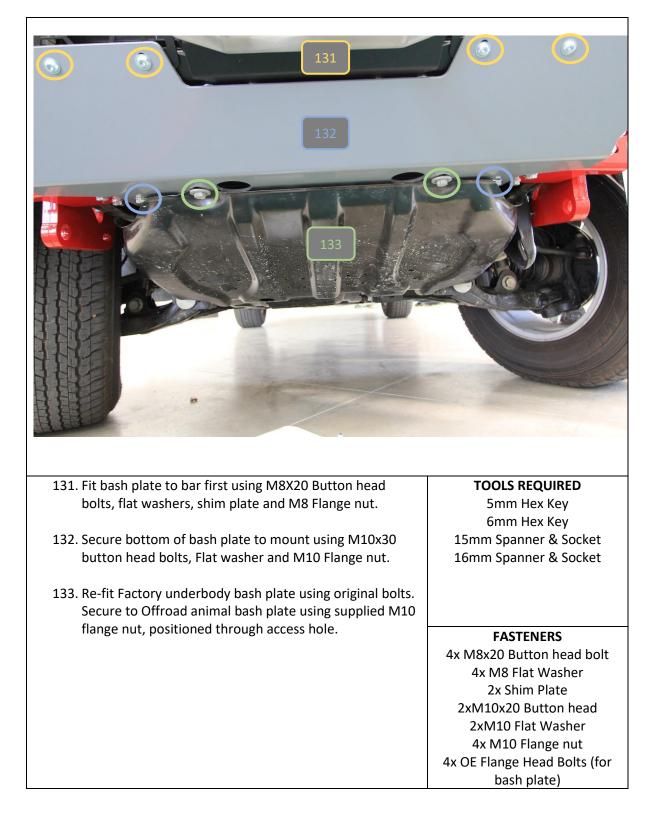


# 2019+ Ford Ranger PX3 Predator Front Bar

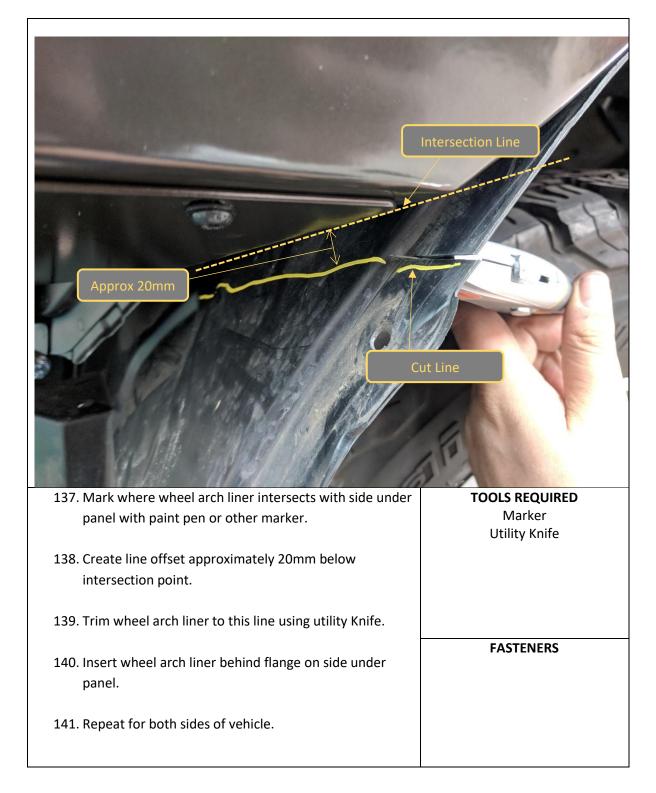


| 126   |   |
|---|---|
| 124. Prepare grille for refitment by fitting grille retaining brackets.   | TOOLS REQUIRED<br>T25 Torx Driver<br>Side Cutters |
| 125. Remove 2x T25 Torx Screws located in bottom corner of grille.  |   |
| 126. Remove the locating lugs adjacent to the screw hole, using side 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><br>2x T25 Screws                 |

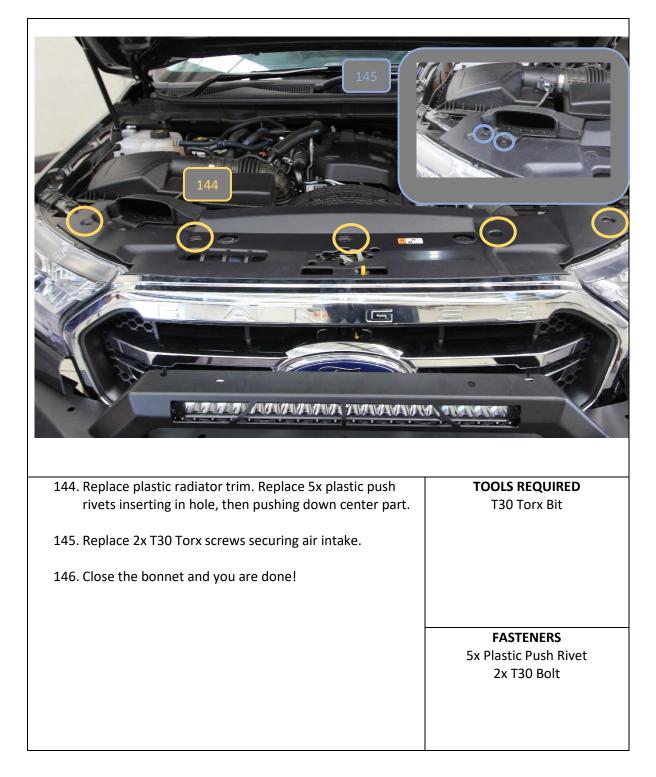




|   | <image/>   |
|---|--|
| <ul> <li>134. Fit side under panels to bar and secure with 3x M6x16<br/>Button head bolts and M6 Flat washers, into M6 cage<br/>nuts fitted earlier.</li> <li>Fitting center bolt first will make it easier to align panel<br/>to bar.</li> </ul> | <b>TOOLS REQUIRED</b><br>4mm Hex Key<br>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<br>6x M8x20 Button head bolt<br>6x M6 Flat Washer<br>2xM8x20 Hex head<br>2xM8Flat Washer<br>2x M8 Flange nut |









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