



## Toyota Landcruiser 200 Series MY2015+ (Second Facelift) Predator Front Bar Fitting Instruction

### **IMPORTANT! – READ BEFORE INSTALLATION**

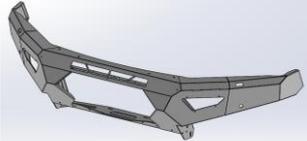
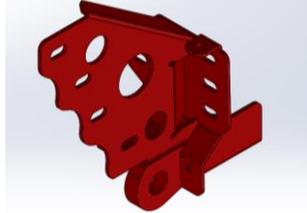
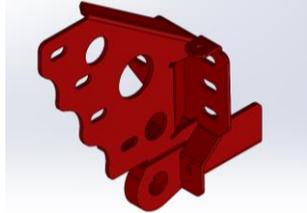
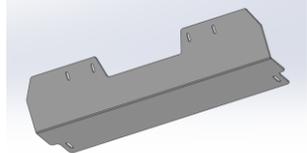
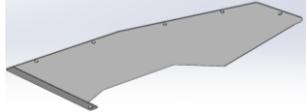
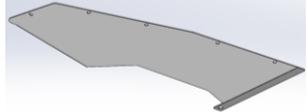
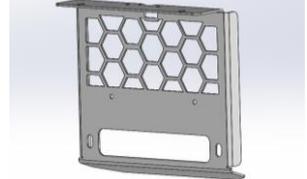
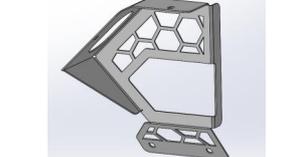
- When installed in accordance with these instructions, the front protection bar does not affect the operation of the vehicles SRS airbags.
- This product must be installed exactly as per these instructions using only hardware supplied.
- Take a few moments to read instructions thoroughly before beginning 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.

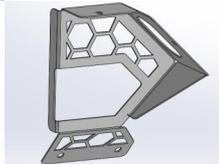
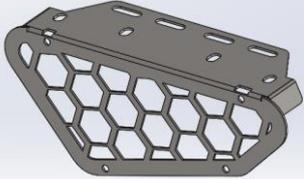
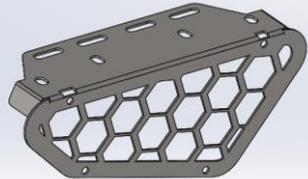
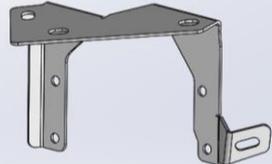
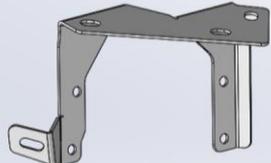
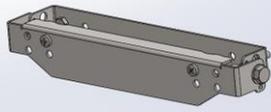
### Main Parts – In the Box

Qty	Part Number	Description	Image
1	FB-TLC-200-15-PR-ASM1	LC200 Front Predator Bar Weldment	
1	FB-TLC-200-15-PR-ASM2L	LC200 Front Mount - Welded Assembly	
1	FB-TLC-200-15-PR-ASM2R	LC200 Front Mount - Welded Assembly	
1	U-0011	200 Series Bash Plate	
1	U-0008L	200 SERIES FRONT BAR - SIDE UNDERPANEL	
1	U-0008R	200 SERIES FRONT BAR - SIDE UNDERPANEL	
1	M-0007	LC200 Mesh Fairlead Mount	
1	M-0008L	LC200 Mesh Infill Panel LHS	



FB-TLC-200-15-PR-ASMO  
Fitting Instruction

2015+ Toyota LC200  
Predator Front Bar

<b>1</b>	M-0008R	LC200 Mesh Infill Panel RHS	
<b>1</b>	M-0002L	Light Cover Mesh	
<b>1</b>	M-0002R	Light Cover Mesh	
<b>1</b>	P-0057	Front Cover Plate - 200 Series Predator	
<b>1</b>	B-0185L	Toyota Style Fog Lamp Bracket LHS	
<b>1</b>	B-0185R	Toyota Style Fog Lamp Bracket RHS	
<b>1</b>	NPF-COM-SM-ASMO	Number plate flip asm Small	
<b>2</b>	PWS-90-775	Pinch Weld - Right Angle Seal 775mm	



## Small Parts – Contained in Small Parts Kit Bag

QTY.	PART NO.	DESCRIPTION
33	M6 FLAT WASHER BLACK ZINC	M6 FW BLACK ZP
33	M6x16 BHCS BLACK ZINC	SCREW, BUTTON HEAD CAP, M6X16X1 GR12.9 BLACK ZP
23	M6 FLANGE NUT	Flange Nut, M6x1 G8.8 ZP
10	M6CN3MM	CAGE NUT M6x2.6-3.5
18	M8 FLANGE NUT	Flange Nut, M8x1.25 G8.8 ZP
14	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
10	M8 X 20 BHCS BLACK ZINC	SCREW, BUTTON HEAD CAP, M8X20X1.25 BLACK ZP
2	M8 X 25 HEX	Bolt Hex, M8X25x1.25, GR8.8 ZP
4	M8 FLAT WASHER	M8 FW
2	M10X20 BHCS	SCREW, BUTTON HEAD CAP, M10X20X1.5 GR12.9 ZP
2	M10 Flat Washer	M10 FW
2	M10 FLANGE NUT	Flange Nut, M10x1.5 G8.8 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
2	M8X20	Bolt Hex, M8X20X1.25, GR8.8 ZP
2	P-0072	Predator Bash Plate Shim
1	SPK-BAG	BAG, PLASTIC HEAT SELAED - SUIT SMALL PARTS KIT
2	FB-TLC-200-15-PR- ASM4	Parking Sensor Plug Assy 200 Series
1	FB-TLC-200-15-PR- ASM3L	Headlight Washer Plug Assy 200 Series
1	FB-TLC-200-15-PR- ASM3R	Headlight Washer Plug Assy 200 Series
1	OFA-LOGO	OFFROAD ANIMAL METAL LOGO



## TOOLS REQUIRED

The following tools will be required to install the product.

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

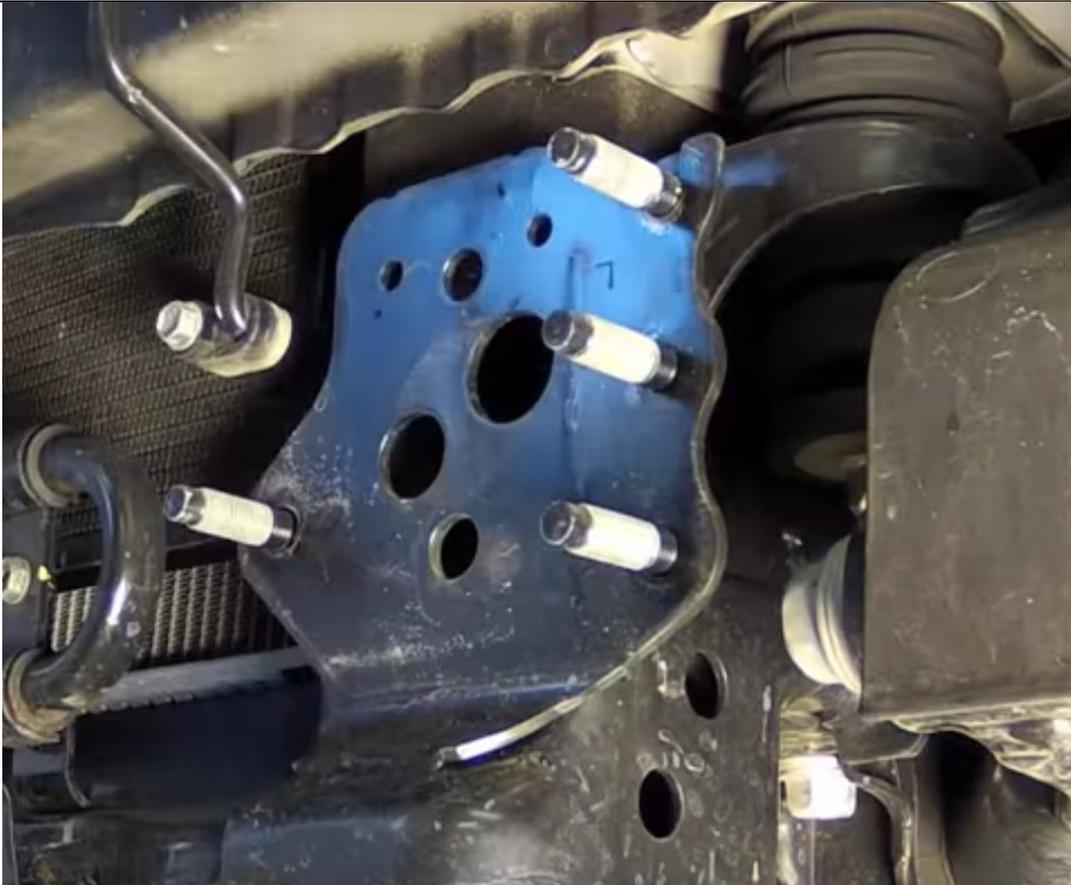
# WORKSHOP SAFETY

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.

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



<ol style="list-style-type: none"> <li>1. Remove Vehicle Bumper, including aluminum impact rail, and impact rail support brackets and tow hooks. Refer to Toyota workshop manual for more details.</li> <li>2. Keep all impact rail bracket and tow hook hardware for re-use.</li> </ol>	<p><b>TOOLS REQUIRED</b></p> <p><b>Socket and Spanner Set</b> <b>Trim Tool</b></p>
<ol style="list-style-type: none"> <li>3. Take care to ensure all wiring and headlight washers are unplugged before removing bumper.</li> <li>4. The grille comes off the car with the bumper. Remove grille from bumper and re-fit to the vehicle.</li> <li>5. Remove all cameras, sensors, headlight washers and fog lights from bumper to re-fit to Offroad Animal Bar</li> </ol>	<p><b>FASTENERS</b></p>



6. Fit the impact assembly to the studs on the chassis of the vehicle.
7. Secure with factory Nuts on the studs on front of mount and Factory Bolts remove from tow point on bottom of mount, retained from the disassembly. Secure finger tight at this stage
8. Repeat mount installation for other side of vehicle.

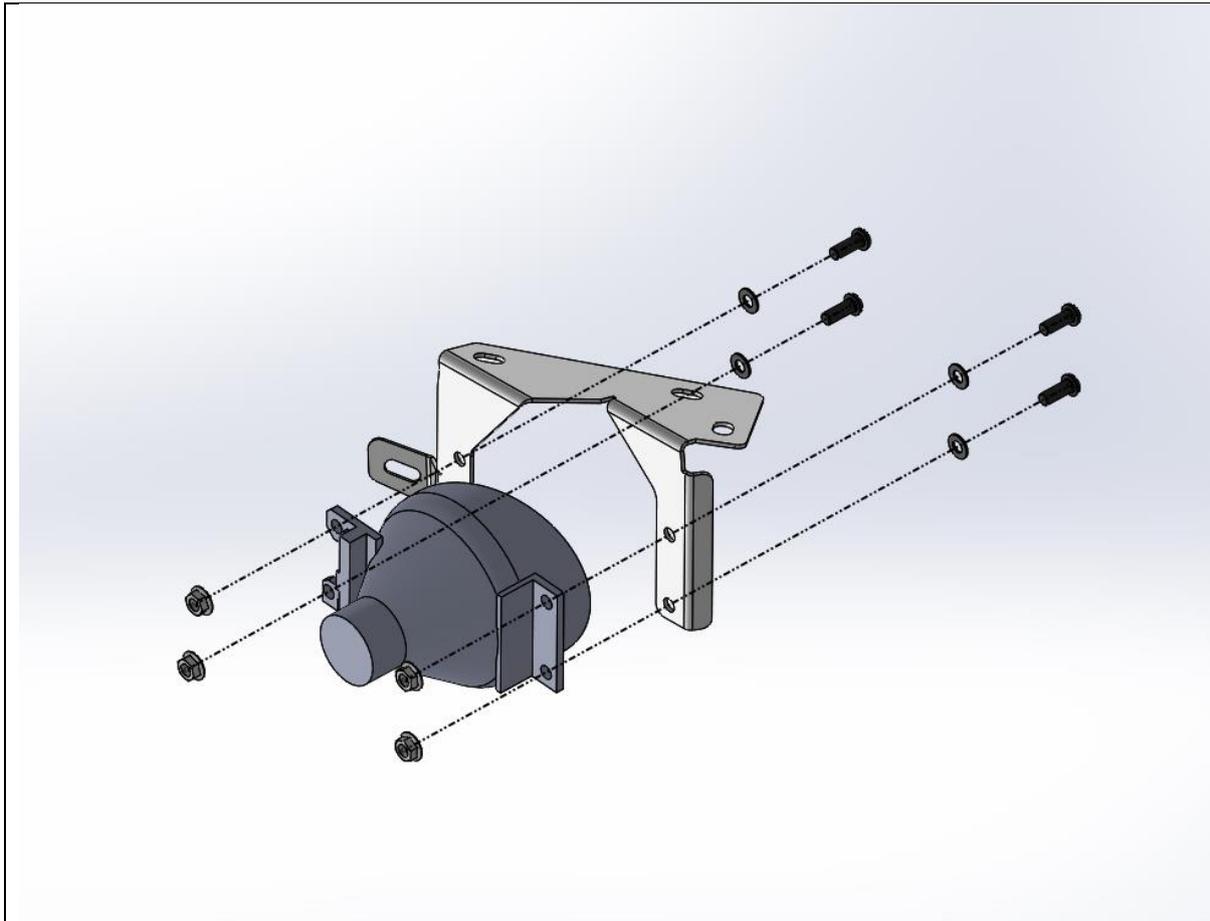
**TOOLS REQUIRED**

Socket set

**FASTENERS**

Re-Use Factory

<p style="font-size: 24px; font-weight: bold; color: yellow; background-color: gray; border: 2px solid yellow; border-radius: 15px; padding: 10px; display: inline-block; margin: 10px auto;">MEASURE</p>	
<p>9. Measure Distance between outside edges uprights on bar using tape measure. Write distance below for reference if required.</p> <p style="margin-left: 40px;">Bar Upright Width = _____mm</p> <p>10. Adjust mounts by sliding mounts on slots, such that distance between outside edges of mounts is approximately 2mm less than bar.</p> <p>11. Secure and tighten mounts.</p>	<p style="text-align: center; font-weight: bold;">TOOLS REQUIRED</p> <p style="text-align: center; font-weight: bold; margin-top: 20px;">TAPE MEASURE</p> <hr style="border: 0.5px solid black;"/> <p style="text-align: center; font-weight: bold;">FASTENERS</p> <p style="text-align: center; margin-top: 10px;">Factory Nuts to secure mounts</p>



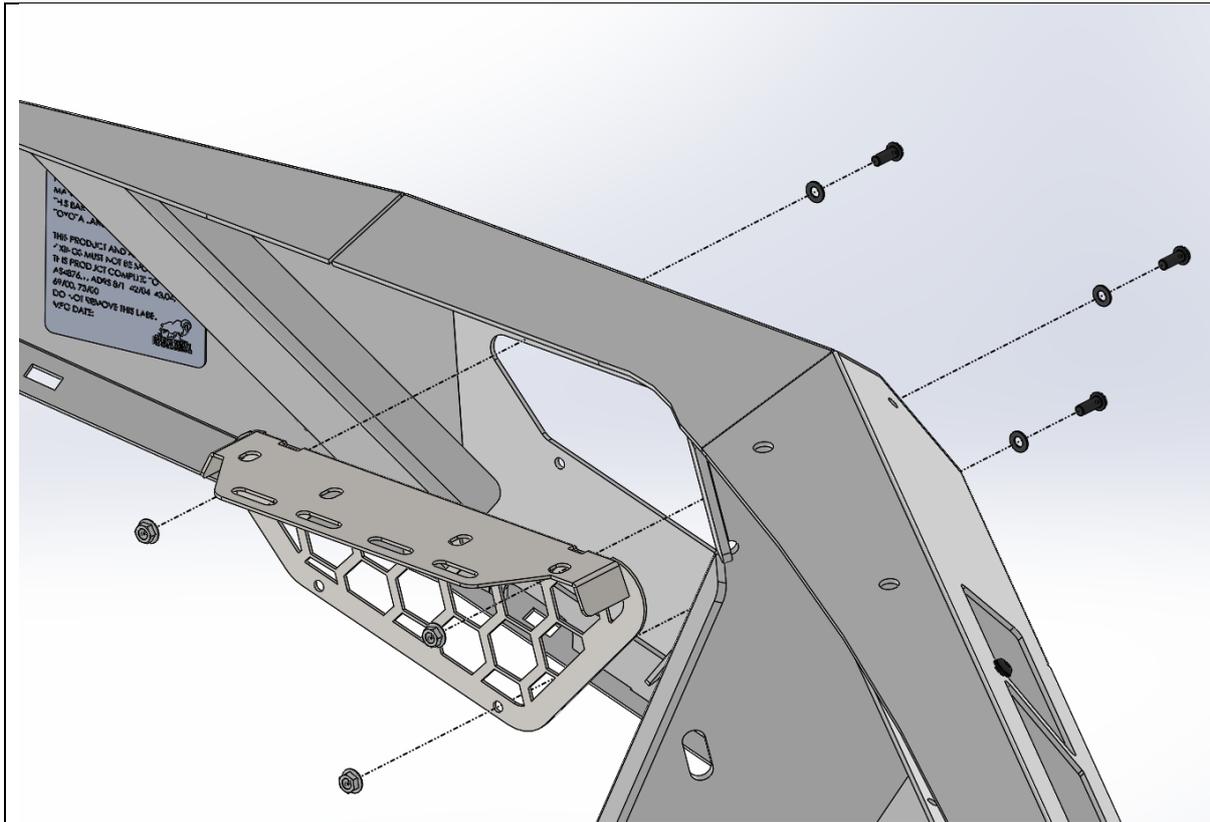
12. Remove fog lights from bar. Discard factory fasteners
13. Re-Fit fog lamps to the Fog light brackets (B-0186L/R) using M6X16 Button head Bolts, Flat washers and Flange nuts from the Small Parts Kit.
14. Secure and tighten using 4mm Allen Key and 10mm Spanner

**TOOLS REQUIRED**

4mm Allen Key  
**10mm Spanner / Socket**

**FASTENERS**

4x M6x16 BHCS – Black  
4x M6 Flat Washer  
4x M6 Flange Nut



15. Fit Light cover mesh to bar using 3x M6x16 Button head bolts, Flat washers and M6 Flange Nuts

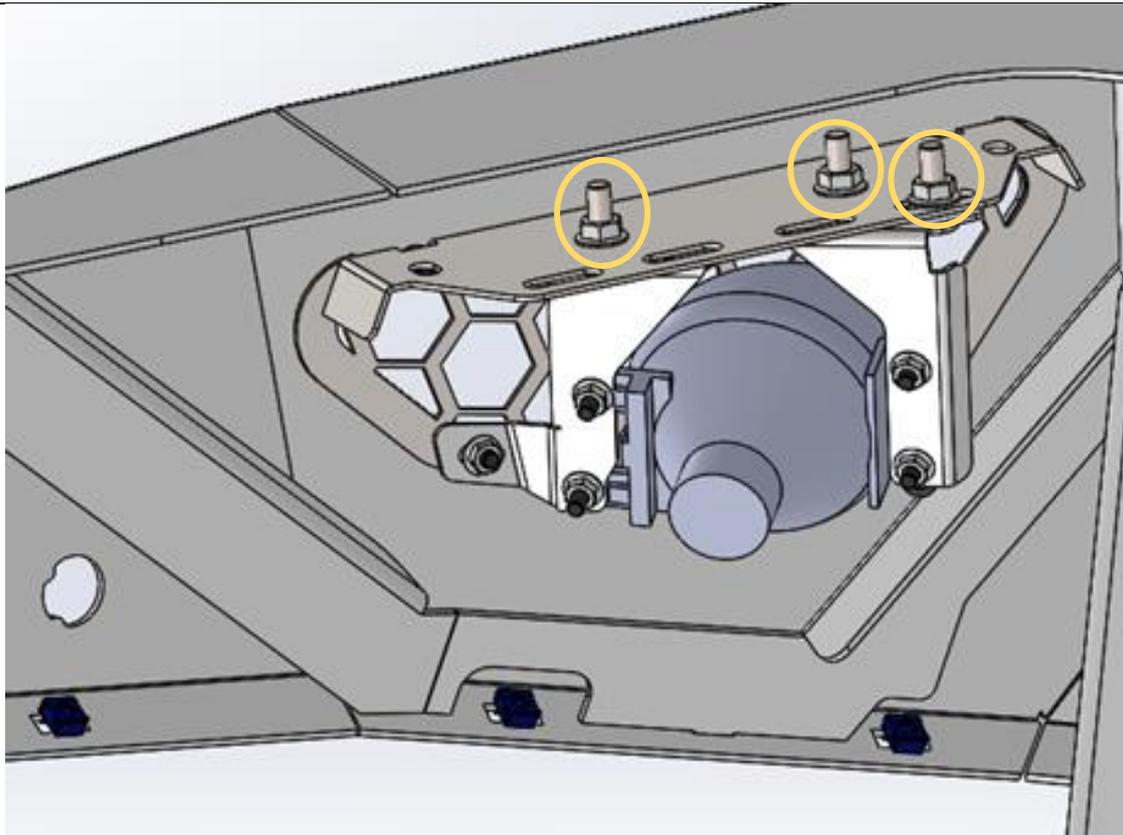
16. Secure and tighten using 5mm Allen Key and 10mm Spanner

**TOOLS REQUIRED**

4mm Allen Key  
10mm Spanner / Socket

**FASTENERS**

3x M6x16 BHCS – Black  
3x M6 Flat Washer  
3x M6 Flange Nut  
Per side



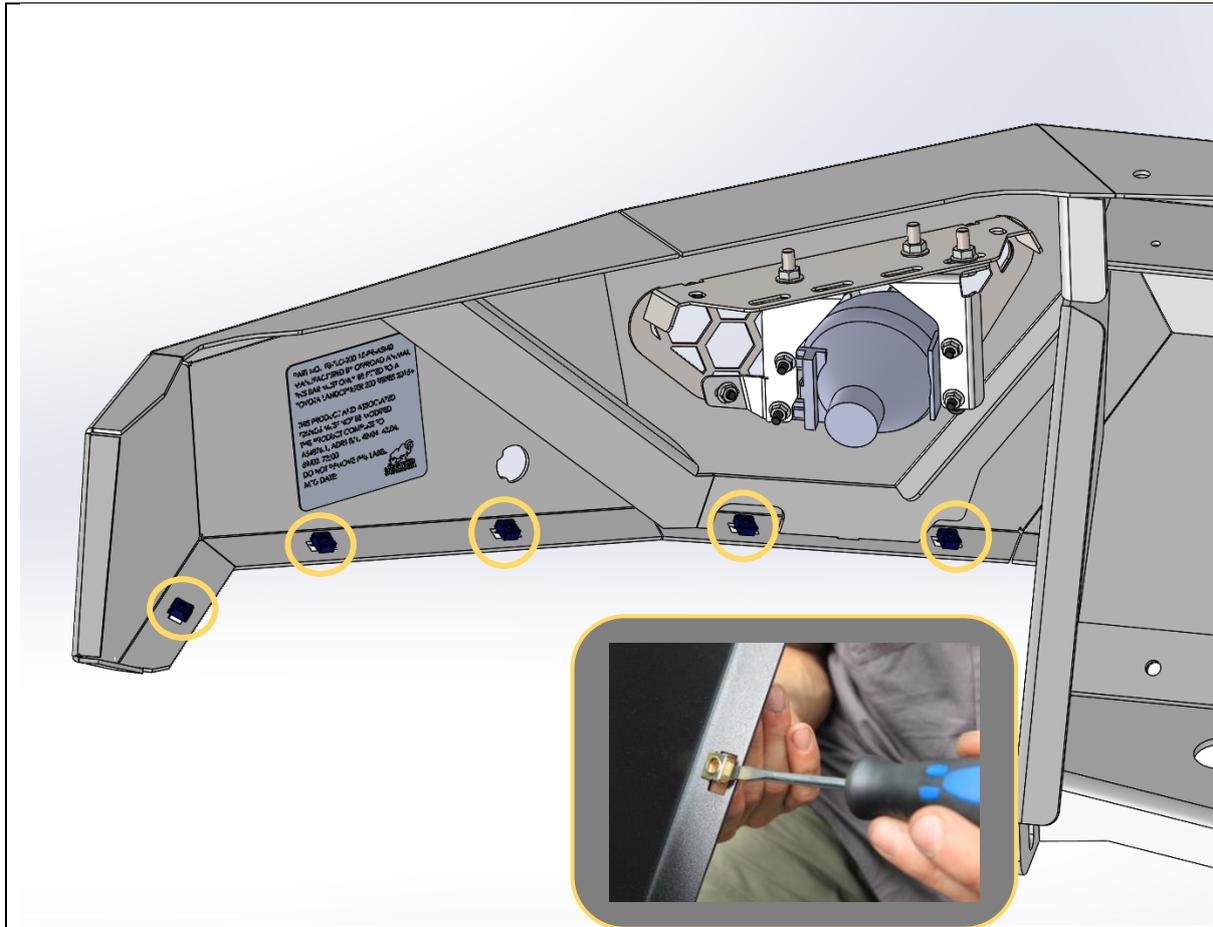
17. Fit fog light bracket, with fog light in place to the Mesh panel using 3x M8x25,
18. Secure and tighten using 13mm Spanner or socket.
19. Fit fourth M6x16, Flat washer and Flange nut, through both mesh panel, and fog light bracket.
20. Repeat for other side of bar.
21. If equipped, parking sensors and headlight washers need to be removed from bumper and re-fitted into bar.

**TOOLS REQUIRED**

4mm Allen Key  
**10mm Spanner / Socket**  
**13mm Spanner / Socket**

**FASTENERS**

3x M8x25 Hex  
3x M8 Flat Washer  
3x M8 Flange Nut  
  
1x M6x16 BHCS – Black  
1x M6 Flat Washer  
1x M6 Flange Nut



22. Fit 5x Cage nuts from small parts kit to rectangular slots in bottom of wing.

Use a small flat bladed screwdriver to push the edge of the cage to engage with the slot to aid fitting.

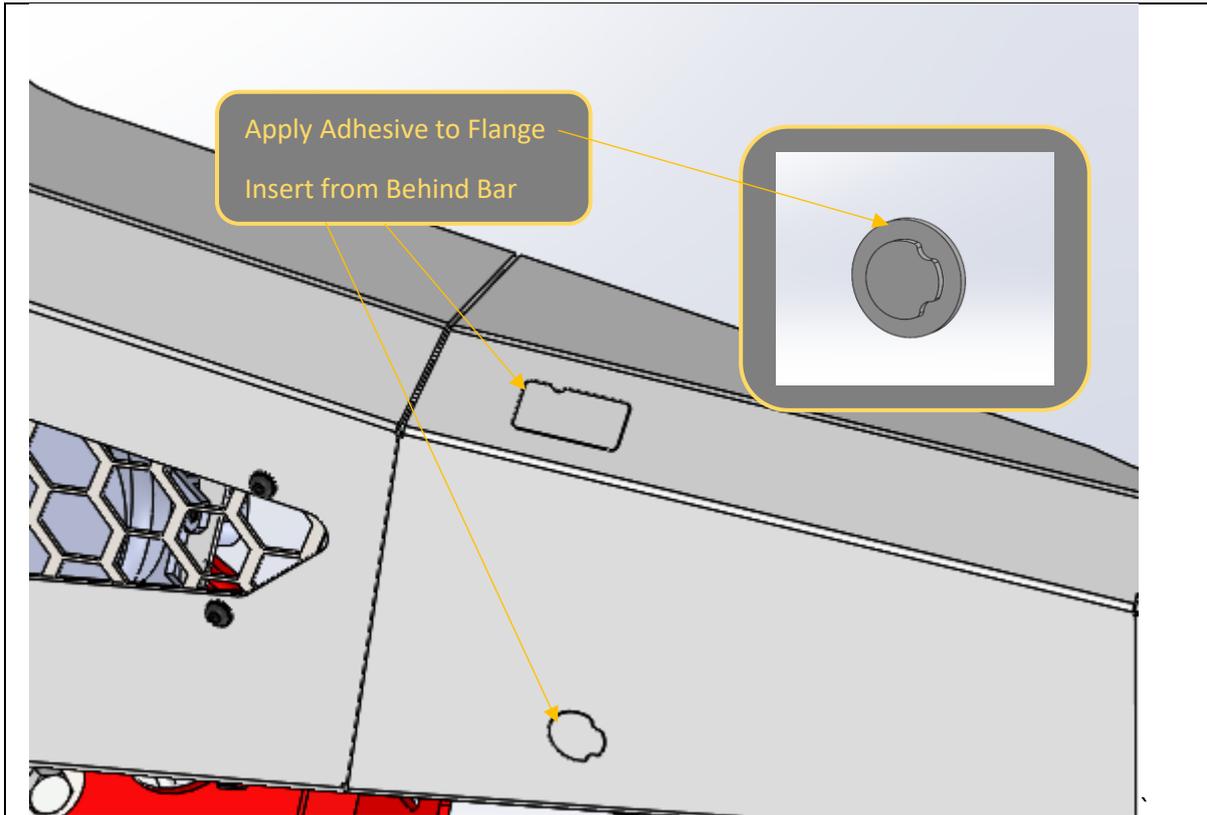
23. Repeat for other side of Bar

**TOOLS REQUIRED**

Small Flat Bladed Screwdriver

**FASTENERS**

5x M6 Cage Nut



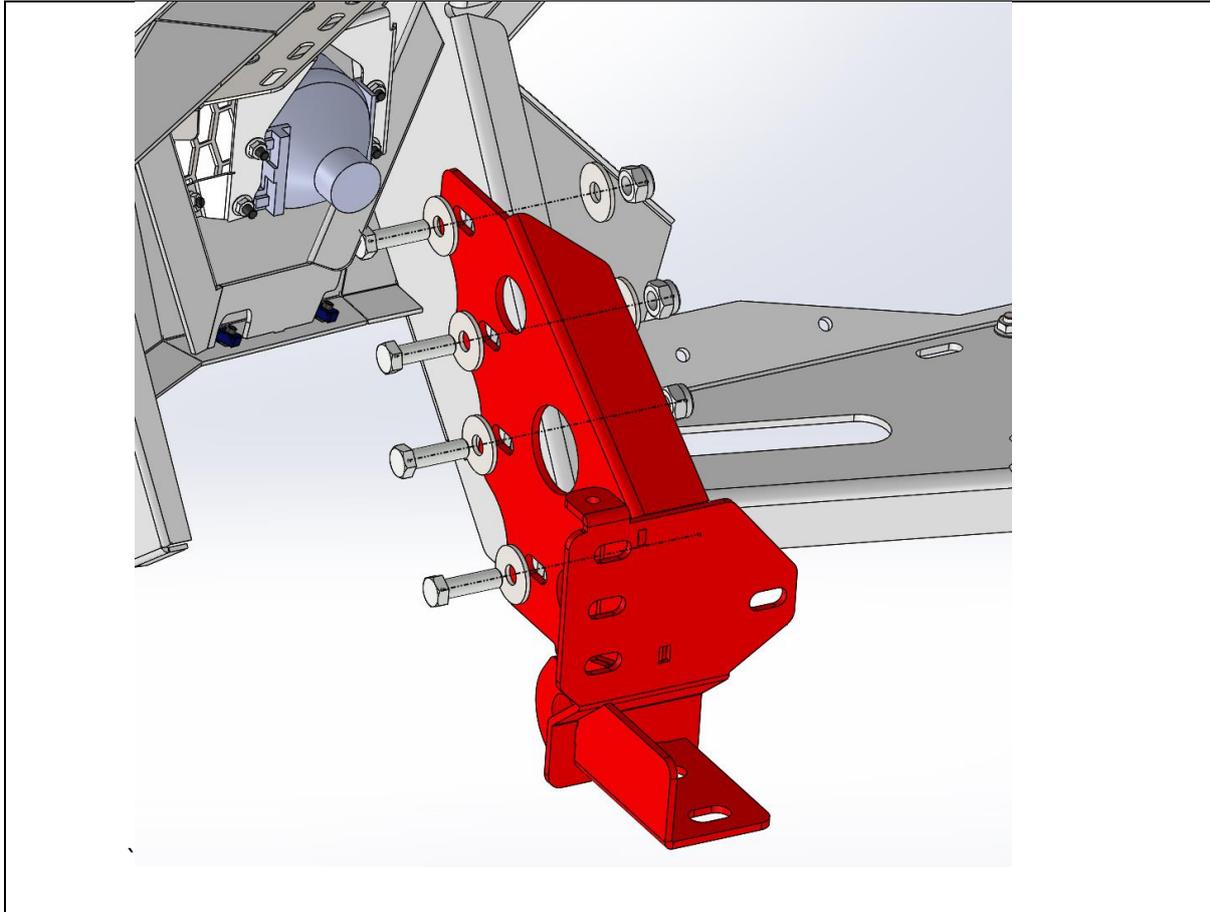
24. Re Fit factory sensors and headlight washers to the bar.

25. If not fitting sensors / washers install supplied plug plates, using Automotive grade adhesive

**TOOLS REQUIRED**

Automotive adhesive

**FASTENERS**



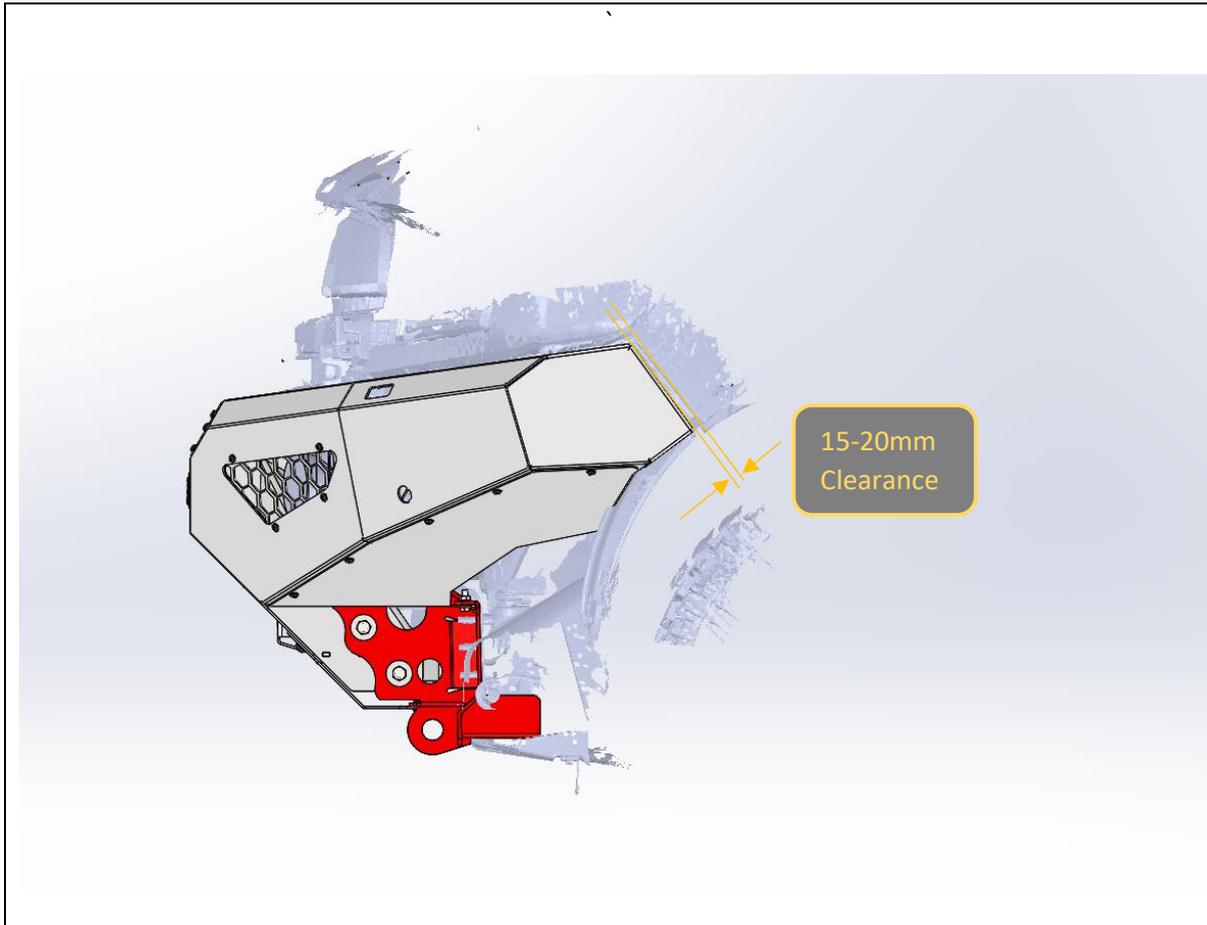
26. With assistance, either from another person, or a lifting trolley, lift the bar onto the mounts on the vehicle.
27. Secure with 4x M12x40 Bolts, Heavy Duty washers and M12 Nyloc Nuts per side, Finger tight at this stage.

**TOOLS REQUIRED**

Lifting Trolley

**FASTENERS**

8x M12x40 Bolt  
16x M12 Heavy Duty Large Washer  
8x M12 Nyloc Nut



28. With assistance, either from another person, Align the bar with the edges of the vehicle. Adjust such that the clearances are neat and even side to side.

Acceptable range of clearances shown in image above.

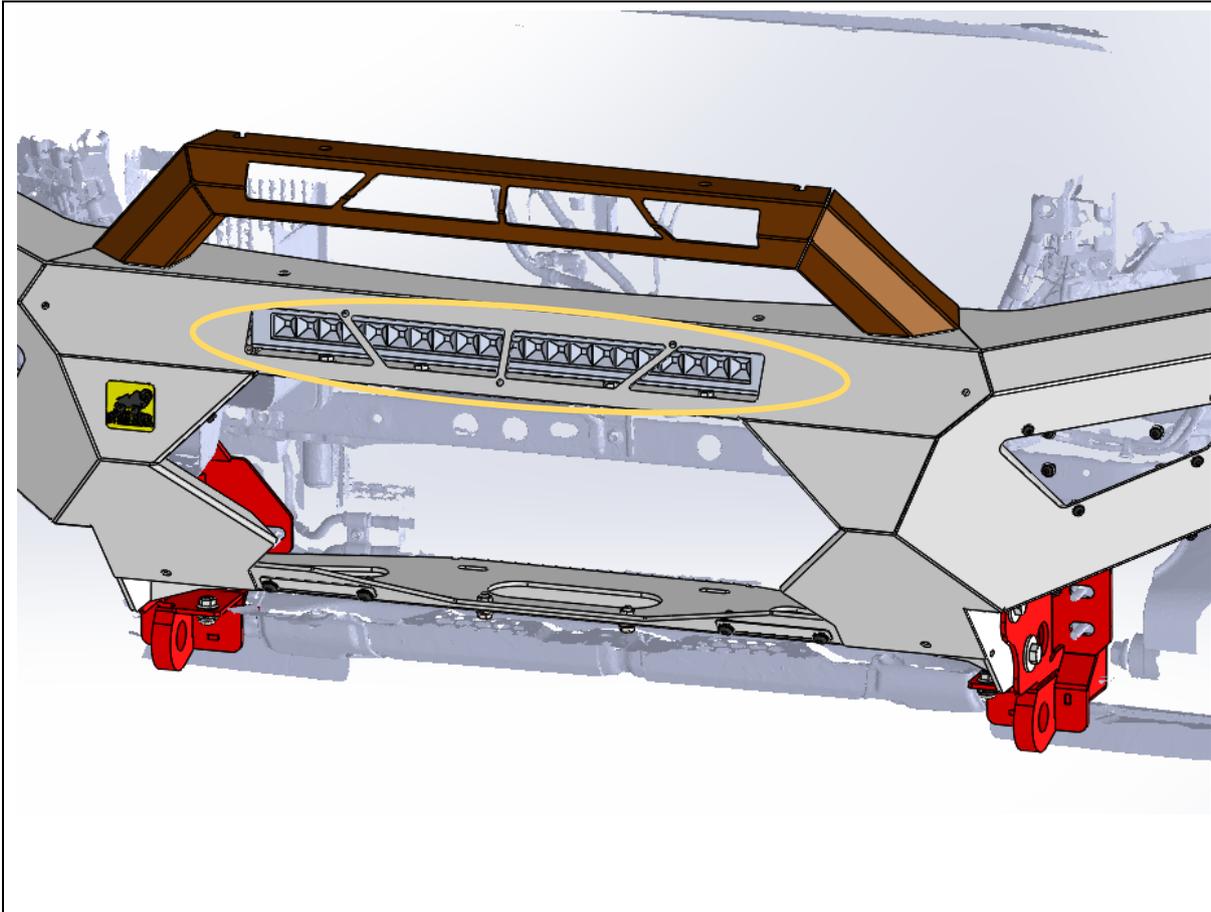
29. Once in position tighten the M12 Bolts using socket and spanner. An impact driver may be used to speed up this process.

**TOOLS REQUIRED**

Lifting Trolley  
**19mm Socket and Spanner**

**FASTENERS**

8x M12x40 Bolt  
16x M12 Heavy Duty Large Washer  
8x M12 Nyloc Nut



30. If Fitting an integrated light bar, do so now.

31. The bar is designed to fit a STEDI ST3K 21.5 inch light bar. If fitting this light bar, assemble bar with legs inward, and it will line up with the slots in the center gusset. Secure with M8 Fasteners supplied with the light bar.

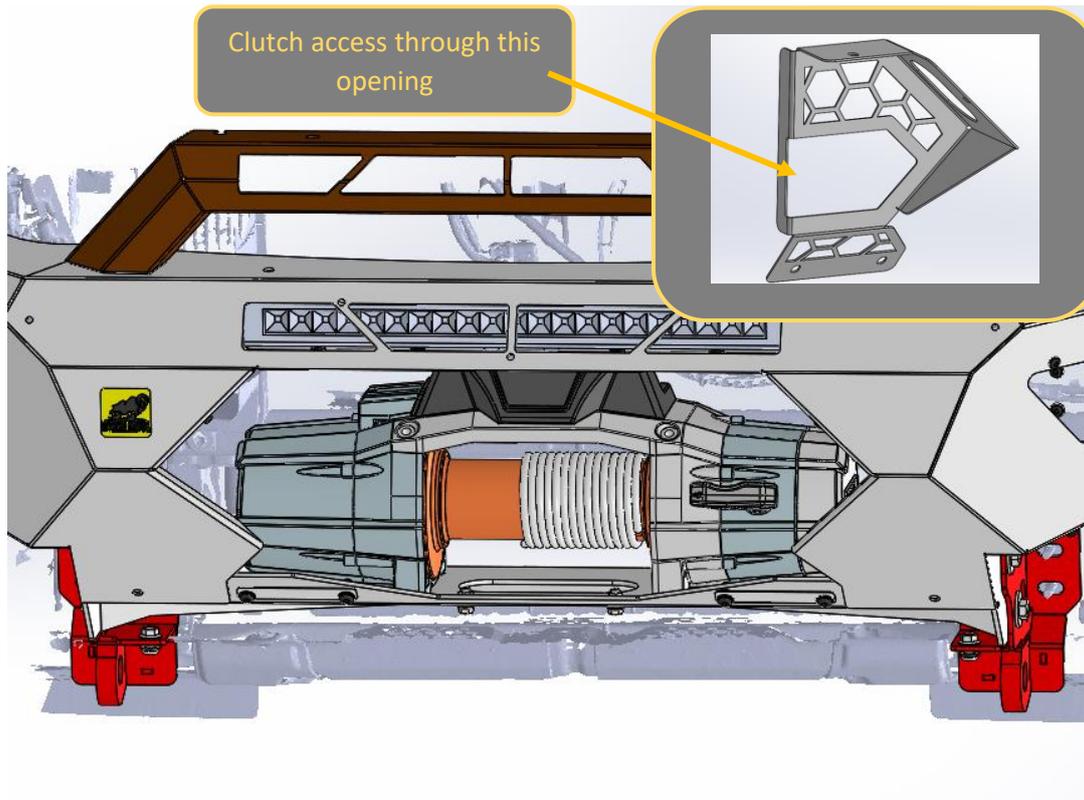
32. The bar can accommodate most other "20 inch" size light bars through use of the *Predator universal light bar mounting kit*.

**TOOLS REQUIRED**

13mm Spanner / Socket

**FASTENERS**

Supplied with Light Bar



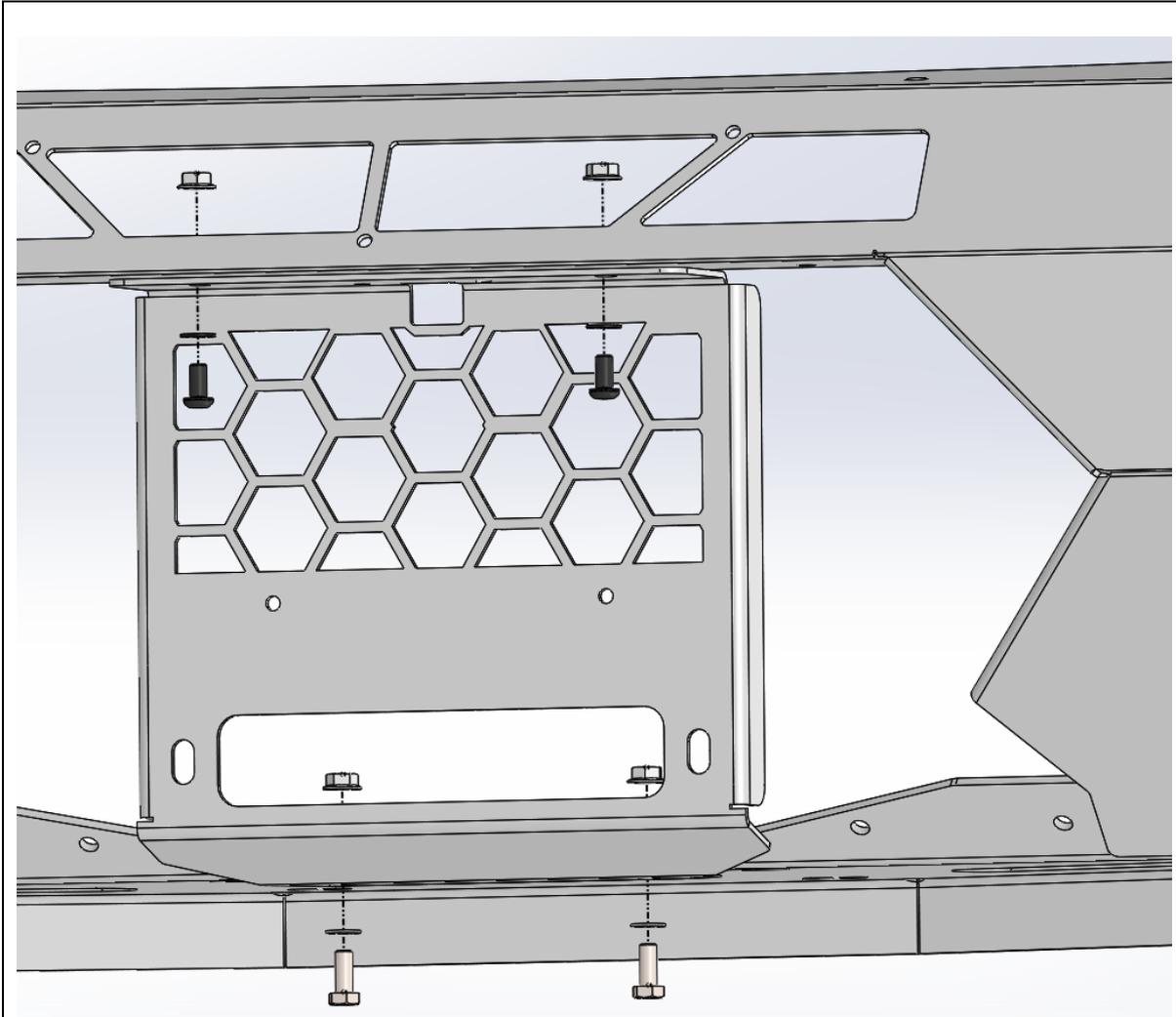
- 33. If Fitting a winch, do so now.
- 34. The bar is designed to fit most low mount winches, in foot down configuration. WARN ZEON 10 is largest winch confirmed to fit.
- 35. The control box is to be mounted on top of the winch. Winches usually come with a bracket to allow this. Refer to winch manufacturer.
- 36. 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



37. If Required, Fit winch fairlead to Mesh Fairlead Mount (M-0007). Use M10 or 3/8" Fasteners supplied with winch. The bar is only compatible with Hawse type fairleads.

38. Fit the Mesh Fairlead Mount (M-0007) to the center of the bar, using M8x16 Button head (Top), M8x20 Hex (Bottom) M8 Flat washers and M8 Flange Nuts.

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

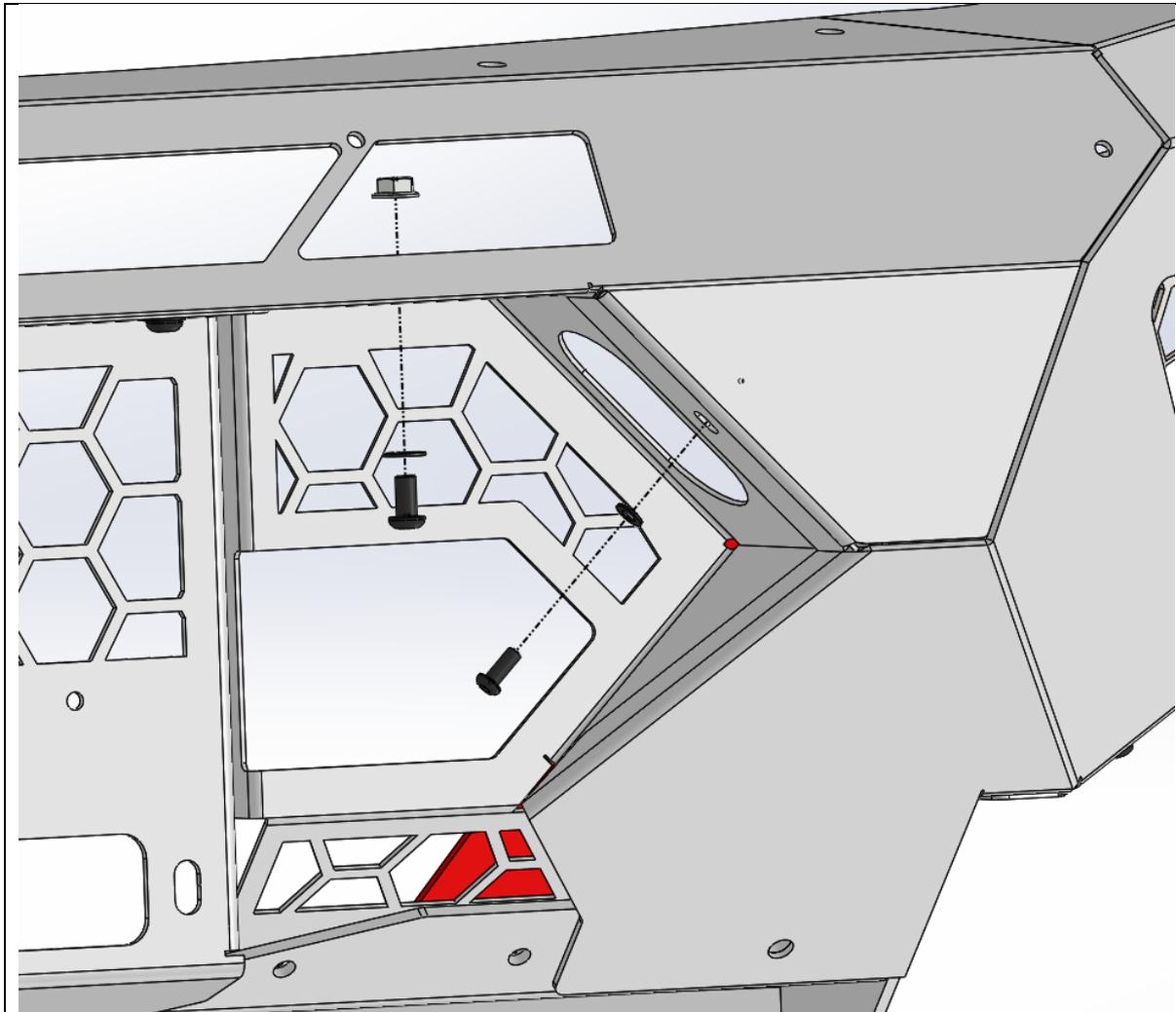
40. Fit Number plate flip kit to fairlead mount, using fasteners supplied in kit.

**TOOLS REQUIRED**

13mm Spanner  
**5mm Allen Wrench**

**FASTENERS**

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



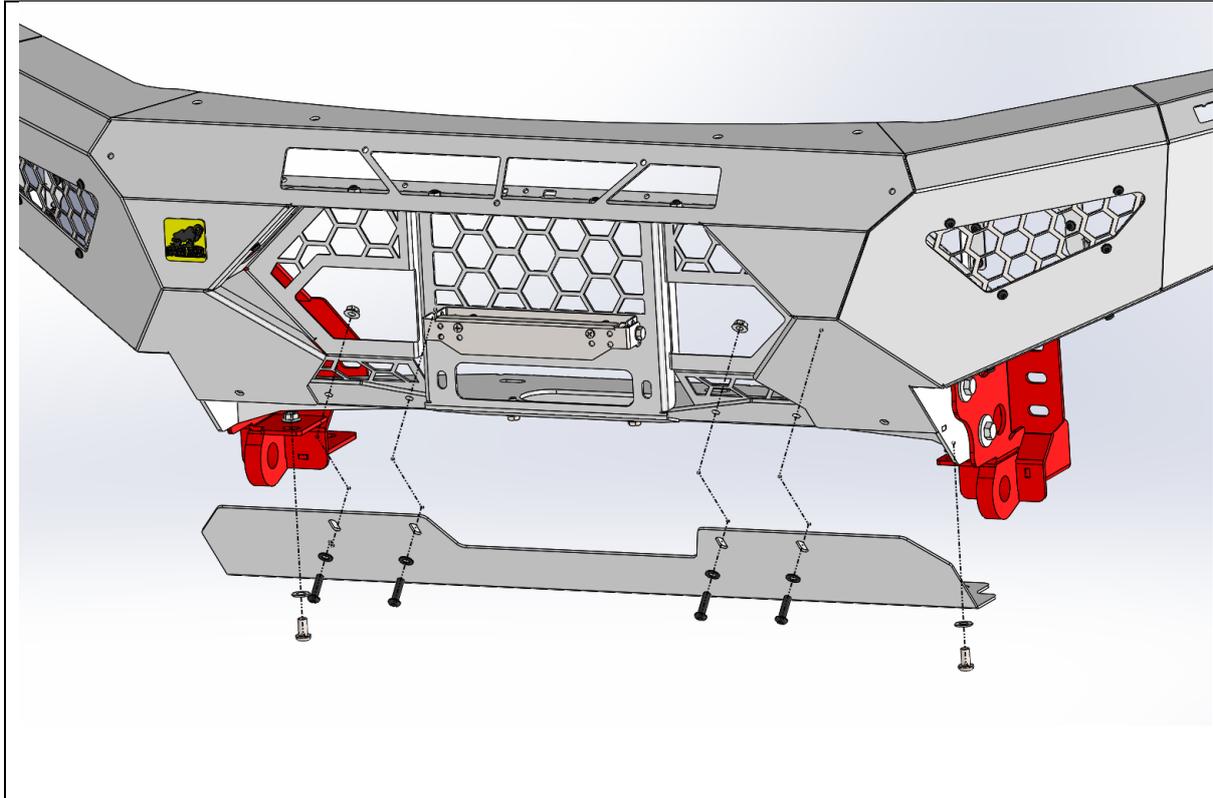
41. Fit Mesh Infill Panels (M-0008L/R). Use M8x16 Button head bolt, M8 flat washer and M8 flange nut for top mount and M6x16 button head, M6 flat washer and M6 Flange nut for side bolt
42. Don't fit any bolts to bottom holes at this stage.
43. Tighten top fasteners using 13mm socket / spanner and 5mm Allen Wrench.
44. Tighten side fasteners using 13mm socket / spanner and 5mm Allen Wrench. Reach through access hole in mesh panel to reach nut.

**TOOLS REQUIRED**

13mm Spanner  
**5mm Allen Wrench**  
10mm Spanner  
**4mm Allen Wrench**

**FASTENERS**

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



45. Fit Center Bash Plate (U-0011) using, M8x30 button head, flat washer and flange nut to front face. Ensure these fasteners pass through the side mesh panels also.

46. Secure back of Center Bash Plate (U-0011) using M10x20 Button head, Flat washers and M10 Flange nuts.

47. Tighten Bottom fasteners using 6mm Allen wrench and 16mm spanner

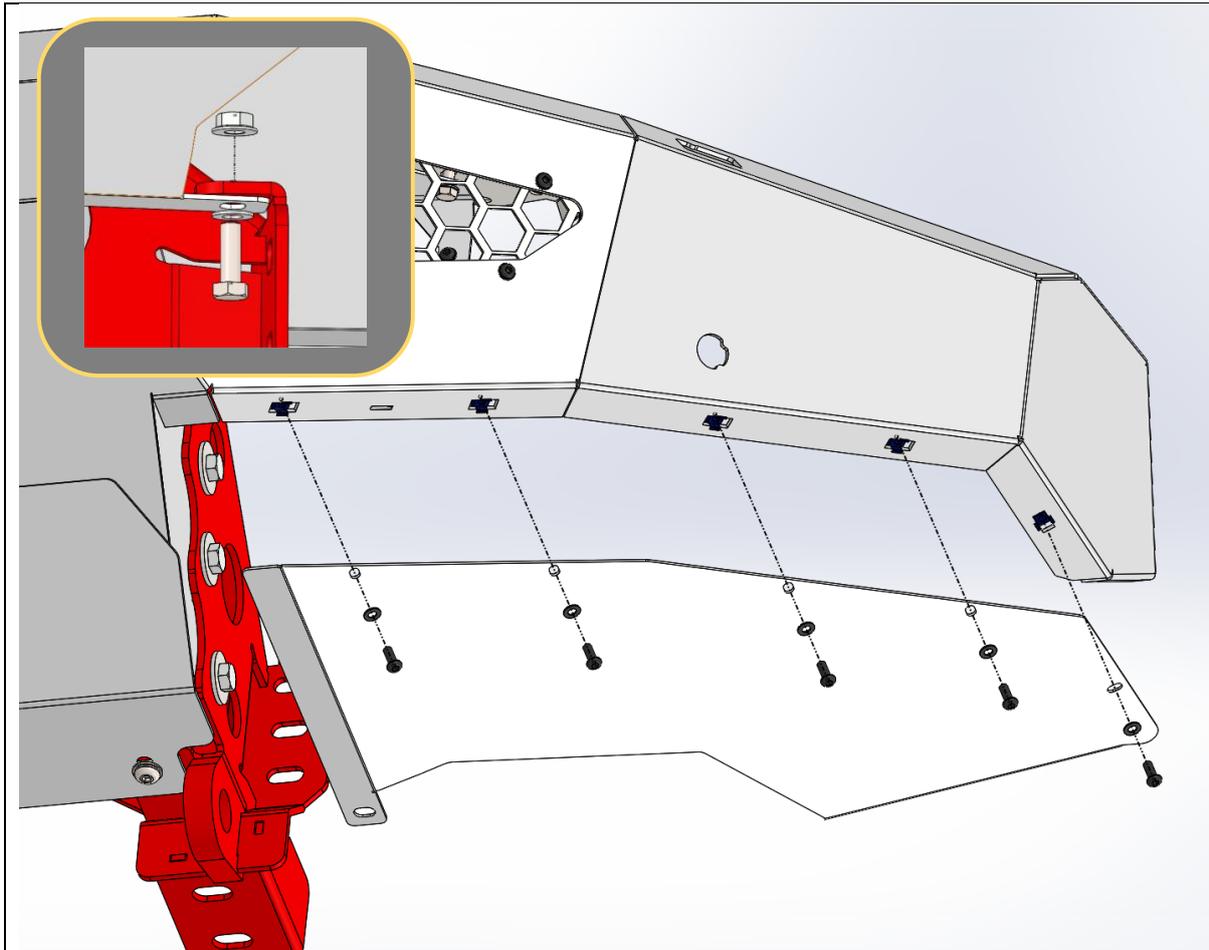
48. Tighten front fasteners using 13mm socket / spanner and 5mm Allen Wrench. Reach through access hole in mesh panel to reach nut.

**TOOLS REQUIRED**

13,15mm Spanner  
5,6mm Allen Wrench

**FASTENERS**

2x M10x20 Button Head  
2x M10 Flat Washer  
2x M10 Flange Nut  
4x M8x30 Button Head  
4x M8 Flange Nut  
4xM8 Flat Washer



49. Fit Side Underpanels (U-0008L/R) using, M6x16 button head and flat washer into the cage nuts placed earlier.
50. Tighten with 5mm Allen wrench
51. Secure back of side under panel to mount using M8x25 Hex Bolt, Flat washer and M8 Flange Nut.
52. Tighten with 13mm spanner / Socket

**TOOLS REQUIRED**

13mm Spanner  
5mm Allen Wrench

**FASTENERS**

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



53. Check all Fasteners are tight.

54. Head Bush and Enjoy your newly protected 200 series!

[For contact details see www.offroadanimal.com](http://www.offroadanimal.com)