



## ISUZU DMAX 2016 – 2019 PREDATOR FRONT BAR

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

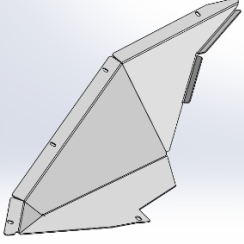
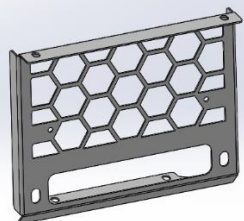
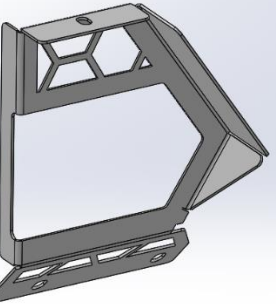
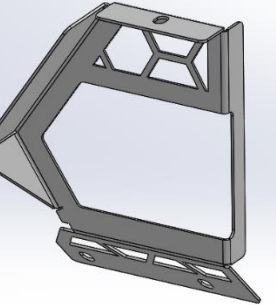
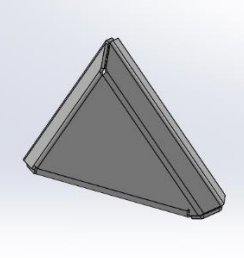
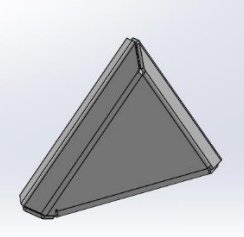
- When installed in accordance with these instructions, the front protection bar does not affect the operation of the vehicles SRS airbags.
- This product must be installed exactly as per these instructions using only hardware supplied.
- Take a few moments to read instructions thoroughly before beginning 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-IDM-G2-16-PR-ASM1	Isuzu DMAX Predator Welded Bar Assy	
1	FB-IDM-G2-16-PR-ASM2L	DMAX/COLORADO IMPACT ASSY	
1	FB-IDM-G2-16-PR-ASM2R	DMAX/COLORADO IMPACT ASSY	
1	U-0017	DMax Predator Bash Plate	
1	U-0021	D-Max Secondary Underpanel	
1	U-0018L	DMax Predator Side Under panel	

<p><b>1</b></p>	<p>U-0018R</p>	<p>DMax Predator Side Under panel</p>	
<p><b>1</b></p>	<p>M-0014</p>	<p>DMax Predator Center Fairlead Mesh</p>	
<p><b>1</b></p>	<p>M-0015L</p>	<p>DMax Predator Side Mesh</p>	
<p><b>1</b></p>	<p>M-0015R</p>	<p>DMax Predator Side Mesh</p>	
<p><b>1</b></p>	<p>B-0298R</p>	<p>Dmax Headlight Infill</p>	
<p><b>1</b></p>	<p>B-0298L</p>	<p>Dmax Headlight Infill</p>	

1	B-0299R	Dmax Impact Assy Brace	
1	B-0299L	Dmax Impact Assy Brace	
1	B-0310R	DMAX Fog Light Bracket	
1	B-0310L	DMAX Fog Light Bracket	
1	M-0002L	Light Cover Mesh	
1	M-0002R	Light Cover Mesh	
1	NPF-COM-SM-ASMO	Number plate flip asm Small	
2	PWS-TOP-670	Pinch Weld PWS51T - Top Bulb Seal 670mm	

**Small Parts – Contained in Small Parts Kit Bag**

Qty	Part Number	Description
2	P-0072	Predator Bash Plate Shim
10	M8 X 20 BHCS BLACK ZINC	SCREW, BUTTON HEAD CAP, M8X20X1.25 BLACK ZP
14	M8 FLAT WASHER- BLACK ZINC	M8 FW- BLACK ZINC
22	M8 FLANGE NUT	Flange Nut, M8x1.25 G8.8 ZP
4	M8 X 16 BHCS BZP	SCREW, BUTTON HEAD CAP, M8X16X1.25 GR12.9 BLACK ZP
12	M8 X 20 HEX	Bolt Hex, M8X20x1.25, GR8.8 ZP
10	M8 FLAT WASHER	M8 FW
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
16	M6x16 BHCS BLACK ZINC	SCREW, BUTTON HEAD CAP, M6X16X1 GR12.9 BLACK ZP
12	M6 FLANGE NUT	Flange Nut, M6x1 G8.8 ZP
8	M6CN3MM	CAGE NUT M6x2.6-3.5
8	M6 FLAT WASHER BLACK ZINC	M6 FW BLACK ZP
6	M10 x 25	Bolt Hex, M10X25x[1.5], GR8.8 ZP
6	M10 Flat Washer	M10 FW
4	M10 FLANGE NUT	Flange Nut, M10x1.5 G8.8 ZP
4	M6 X 20 HEX	M6X20 HEX BOLT, ZP, 8.8
4	M6 FLAT WASHER	M6 FW
4	M8 Cage Nut	NUT, CAGE, M8X1.25 ZINC PLATE
2	NP-COM-M10- 190-SLIM	Nut Plate M10 Slim - Suit DMAX Predator

## TOOLS REQUIRED

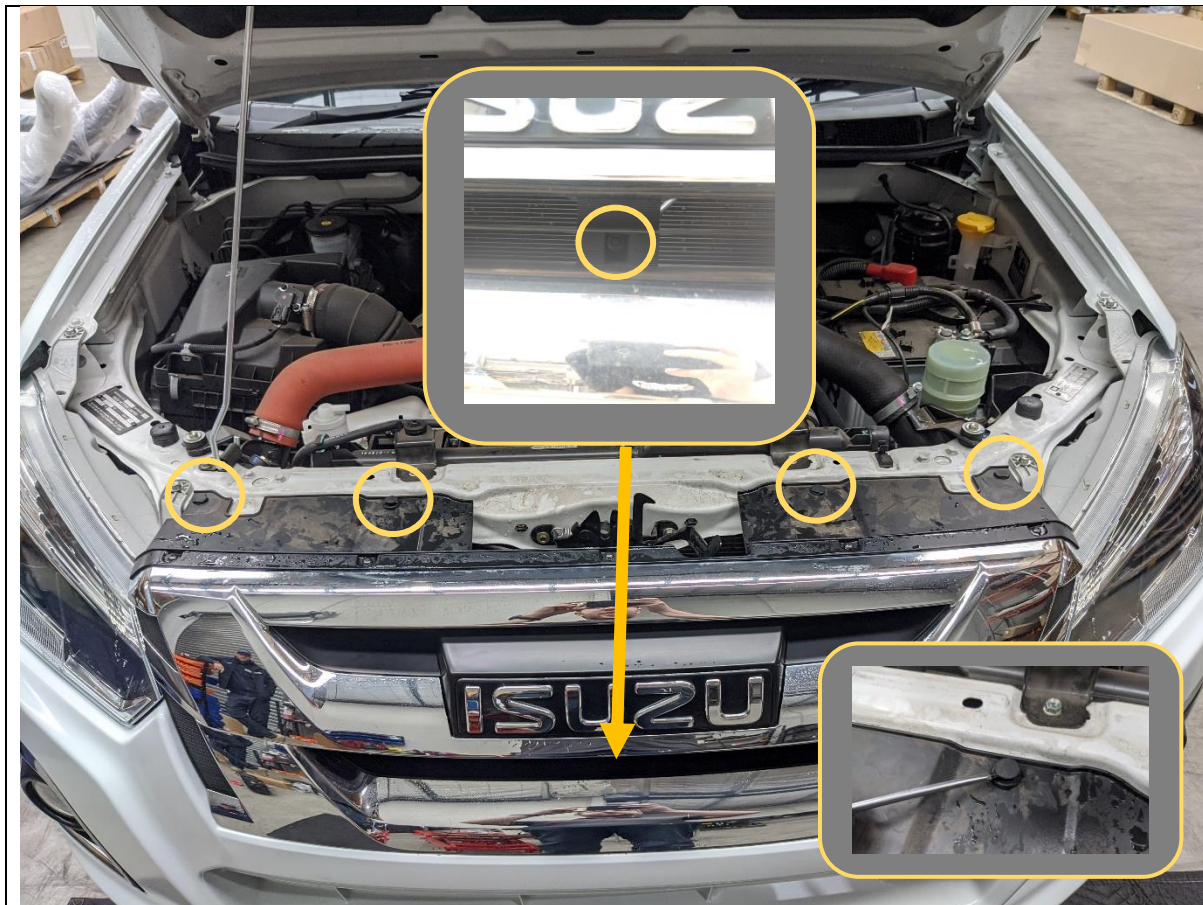
The following tools will be required to install the product.

<b>Hand Tools</b>	<b>Power Tools</b>	<b>Workshop Equipment</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)	Panel Stand or Soft Blanket Cable Ties Masking Tape Black Automotive paint Scotch Brite or Fine Sandpaper Automotive Sealant/Adhesive Bucket Hose Clamp

# 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>



1. Open the Bonnet.
2. Remove the 4x Clips securing the top of the grille by levering up center part using small flat blade screwdriver
3. Remove phillips head screw securing bottom of grille underneath "ISUZU" badge.

**TOOLS REQUIRED**  
Small Flathead Screwdriver  
Phillips Head screwdriver

**FASTENERS**  
**Retain Factory Clips and Screw**

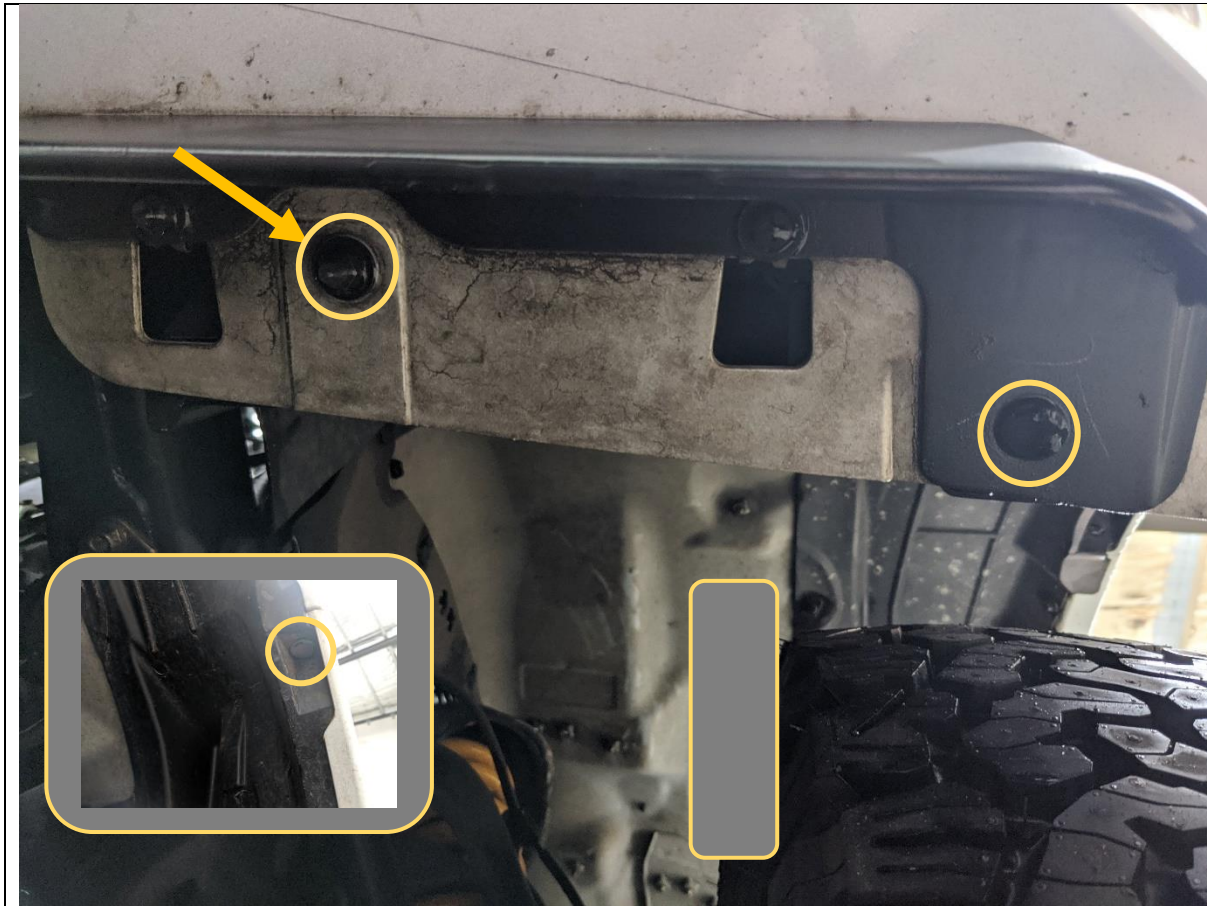




4. Remove the two Clips securing the bottom edge of the bumper, using small flathead screwdriver and same technique as grille clips

**TOOLS REQUIRED**

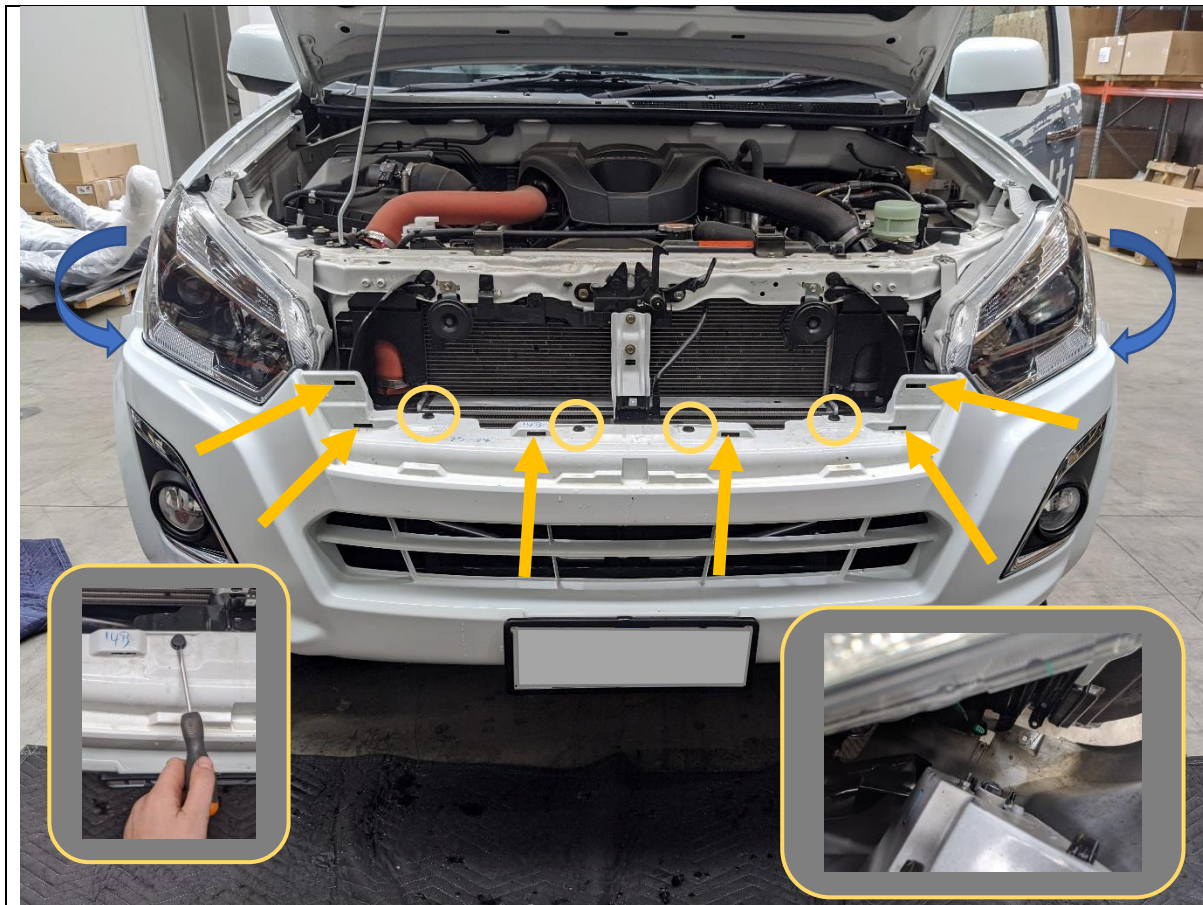
**FASTENERS**



5. Remove the clips on the underside of the wheel arch. by the bumper to quarter panel seam, and under the bottom of the bumper near wheel as shown.
6. Remove using same technique as other clips
7. Remove the 10mm nut securing bottom of bumper.
8. Repeat for other side of vehicle

**TOOLS REQUIRED**  
**10mm socket**

**FASTENERS**  
**Factory Clip and Nut**



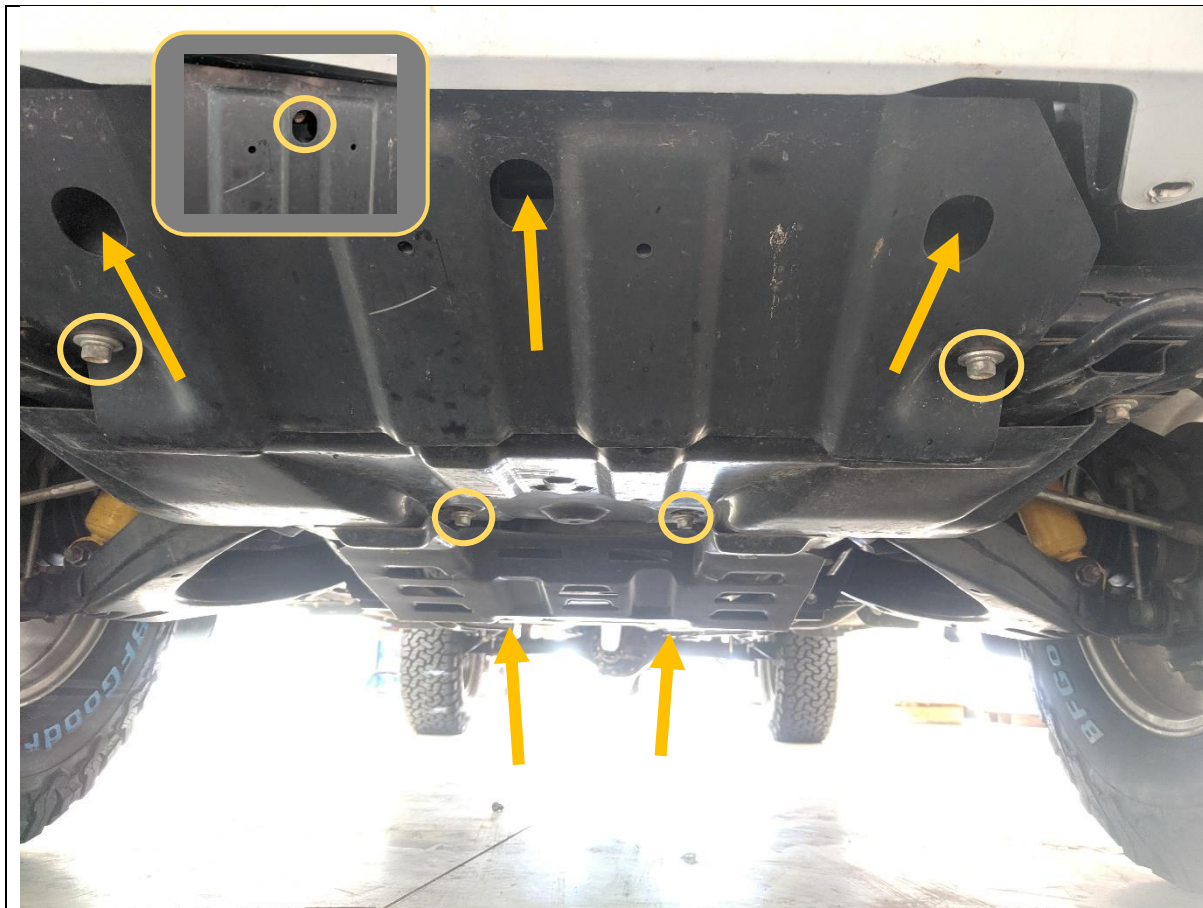
9. Remove grille by pulling forward firmly on bottom half. The clip locations that need to be released are shown by arrows in the image above.
10. Remove the 4x Clips securing the center of the bumper using small flat blade screwdriver to pry up the center section
11. Release the bumper clips by pulling bumper away from bottom of headlights, starting from the outside and working in.
12. When bumper is loose reach in and disconnect the fog light wiring from fog lights.
13. Remove bumper from car and set aside on soft blanket or panel stand.

**TOOLS REQUIRED**

Small flat blade screwdriver

**FASTENERS**

Factory Clips



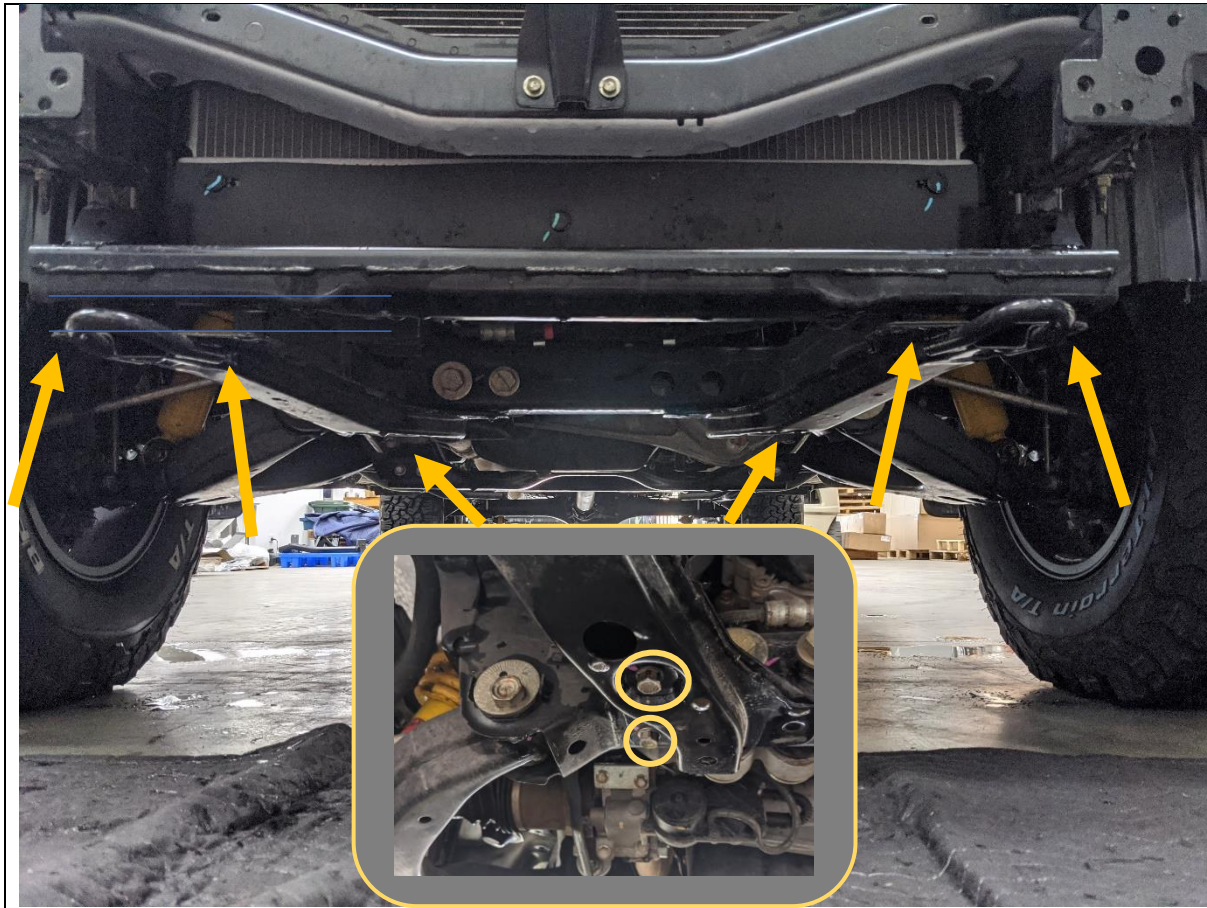
- 14. Remove the underbody skid plates.
- 15. Start by removing the front skid plate, by removing the 5x 14mm head bolts securing it to the chassis. Note 3x of the bolts are recessed into the skid plate, shown with arrows.
- 16. Next remove the middle skid plate, then the rear skid plate. The rear skid plate uses 17mm head bolts.

**TOOLS REQUIRED**

- 14mm Socket**
- 17mm socket**
- Short extension bar**

**FASTENERS**

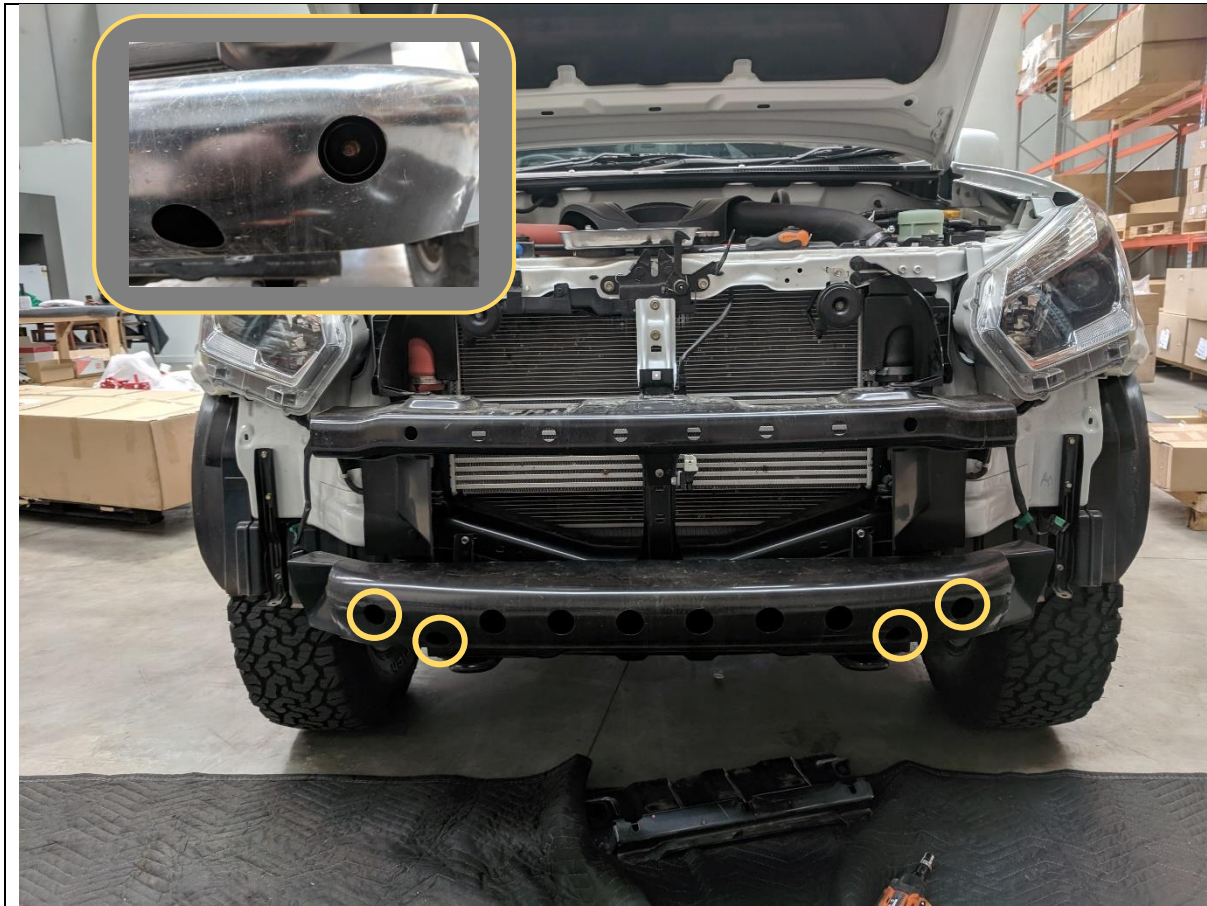
Factory 14mm and 17mm head bolts.  
Retain for refitment.



- 17. With the underside of the chassis exposed remove the 4x 14mm bolts that secure the front of the tow point members to the cross member. Locations indicated by arrows
- 18. Loosen the two bolts connecting the other end of the tow point member enough to allow a 10-15mm gap at the front of vehicle
- 19. Repeat for both sides of vehicle

**TOOLS REQUIRED**  
14mm socket

**FASTENERS**  
Factory 14mm head bolts  
Retain



- 20. Remove the 4x 14mm head bolts that secure the impact beam to the chassis
- 21. Remove and discard the impact beam. Retain bolts for fitting of mount.

**TOOLS REQUIRED**  
14mm socket

**FASTENERS**

Retain for re-fitment of mounts



- 22. Remove the 10mm bolts securing the bottom bumper supports.
- 23. Remove and discard the bumper supports

**TOOLS REQUIRED**

10mm socket

**FASTENERS**

Factory 10mm head bolts  
Discard



- 24. Remove the Philips head screws securing the plastic bumper supports beside the headlights.
- 25. Remove the bumper supports, a firm tug will be required to release the clips. Discard

**TOOLS REQUIRED**

Phillips head screwdriver

**FASTENERS**

Factory screws – discard.





- 26. On light colored vehicles it is recommended to paint the area under the headlight for a neater appearance.
- 27. Mask the guard and headlight with masking tape.
- 28. Rough up the painted areas with scotch-brite or other prep pad.
- 29. Paint area with automotive matte black paint
- 30. Allow time to dry before removing masking. Continue with installation during drying time.

**TOOLS REQUIRED**  
Masking tape  
Matte Black automotive paint  
Scotch Brite

**FASTENERS**



31. Fit the mounts to the chassis, ensuring that the bottom of the mount sits underneath the loosened tie down members.
32. Secure in place to threaded mounting points in chassis using original factory bolts. Leave bolts loose at this stage.

**TOOLS REQUIRED**

**FASTENERS**

Re-Use Facotry.



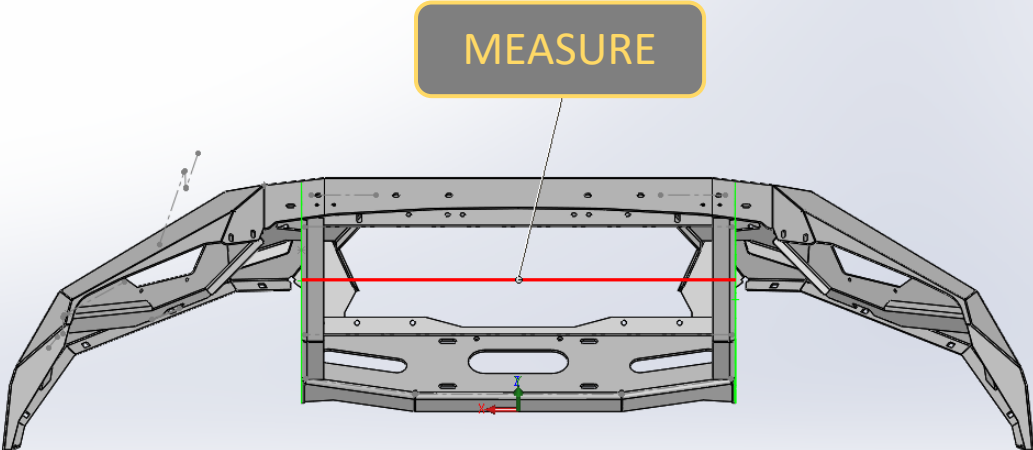
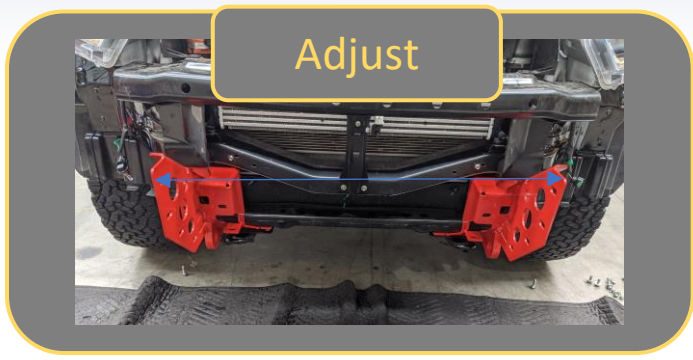
- 33. Fit the impact assembly brace bracket to the side of the chassis rail using the M10 slim nut plate, M10x30 Bolt and M10 Flat Washer.
- 34. Secure the impact assembly brace to the impact assembly with 4x M8x20 Bolts, Flat washers and Flange Nuts as shown.
- 35. Repeat for both sides of vehicle.

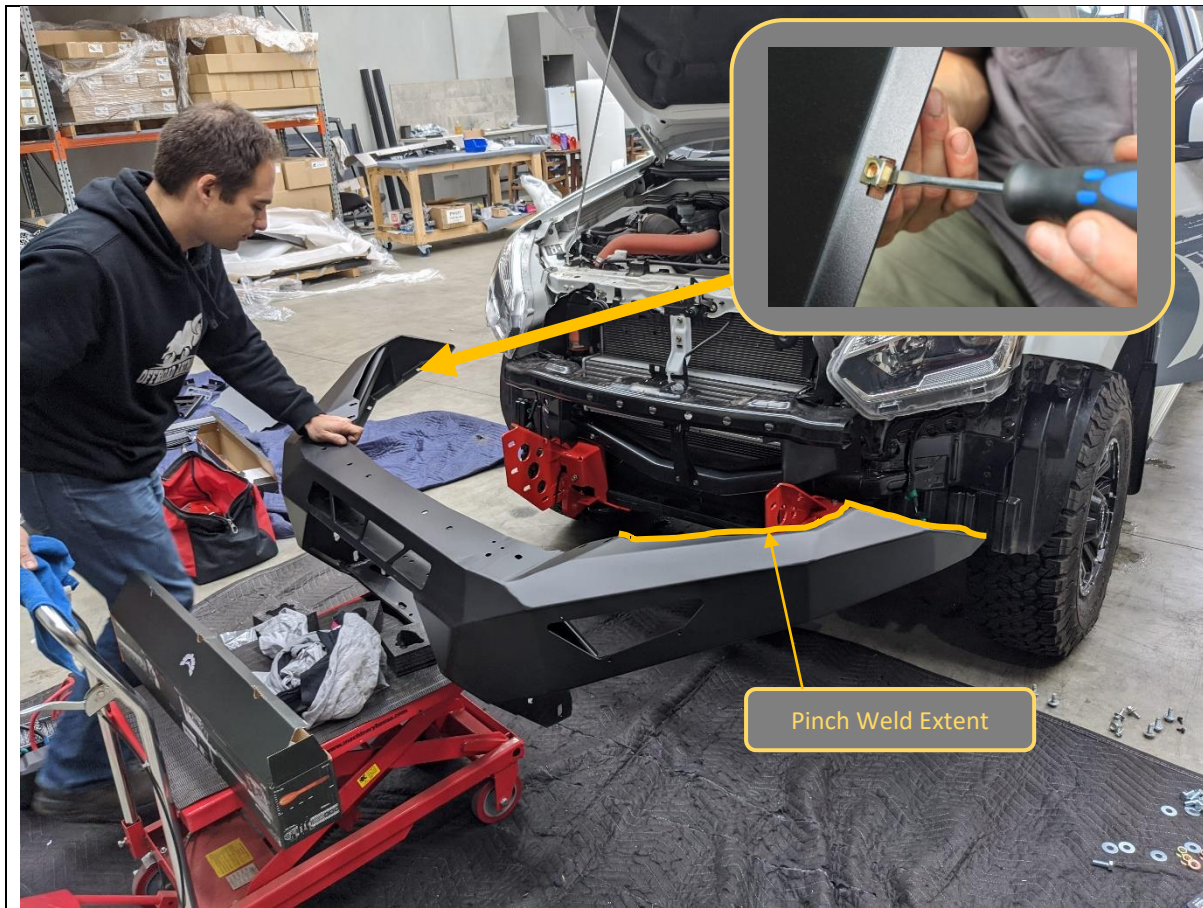
**TOOLS REQUIRED**

**FASTENERS**

- 4x M8x20 Hex Bolt
- 4x M8 Flat Washer
- 4x M8 Flange Nut
- 1xM10x30 Hex Bolt
- 1xM10 Flat washer
- 1xM10 Slim Nut Plate

**Per Side**

	
	
<p>36. Measure distance between bullbar uprights with tape measure. Note down this distance</p> <p>Distance = _____</p> <p>37. Measure and adjust the distance between the mounts on the vehicle to be 2-5mm greater than the distance measured.</p> <p>38. Tighten all bolts securing impact assembly, and re check distance. Re adjust as required to achieve correct distance.</p>	<p><b>TOOLS REQUIRED</b></p> <p>13mm Socket 14mm Socket 16mm Socket</p>
	<p><b>FASTENERS</b></p>



39. 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.

40. Fit the pinch weld to the top edge of the wing, starting from outboard of the slots on top face (for infill panels) and continuing to the back edge of the bar.

41. With assistance, either from another person, or a lifting trolley, lift the bar onto the mounts on the vehicle.

**TOOLS REQUIRED**

Lift Trolley

**FASTENERS**



42. Secure bar to mount with 4x M12x40 Bolts, Heavy Duty washers and M12 Nyloc Nuts per side, Finger tight at this stage.

43. With assistance, 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.

44. 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  
19&18mm Socket and Spanner

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



45. If Fitting an integrated light bar, do so now. Leave bolts loose at this stage to allow fitment of mesh panels.
46. 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.
47. The bar can accommodate most other “20 inch” size light (20-22 inch long) bars.
48. If Fitting a winch, do so now.
49. The bar is designed to fit most low mount winches, in foot down configuration. WARN ZEON 10 is largest winch confirmed to fit.
50. The control box can to be mounted on top of the winch. Winches usually come with a bracket to allow this. Refer to winch manufacturer.

**TOOLS REQUIRED**

Refer to winch / Light Bar Instructions.

**FASTENERS**

Refer to Winch / Light bar instruction.



<p>51. Prepare the Center mesh panel for fitment.</p> <p>52. If Required, Fit winch fairlead to Mesh Fairlead Mount (M-0014). Use M10 or 3/8" Fasteners supplied with winch. The bar is only compatible with Hawse type fairleads.</p> <p>53. Fit Number plate flip kit to fairlead mount, using fasteners supplied in kit.</p>	<p><b>TOOLS REQUIRED</b></p> <p>Depends on winch supplied fasteners</p>
	<p><b>FASTENERS</b></p>





- 54. Fit the Mesh Fairlead Mount (M-0014) to the center of the bar, using M8x16 Button head (Top), M8x20 Button Head (Bottom) M8 Flat washers and M8 Flange Nuts.
- 55. Tighten fasteners using 13mm socket / spanner and 5mm Allen Wrench.

**TOOLS REQUIRED**

- 13mm Spanner
- 5mm Allen Wrench

**FASTENERS**

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



56. 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

57. Don't fit any bolts to bottom holes at this stage.

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

59. Once the top bolts are tightened, any bolts securing the light bar can now be tightened.

**TOOLS REQUIRED**

13mm Spanner  
5mm Allen Wrench

**FASTENERS**

2x M8x16 Button Head  
2x M8 Flange Nut



60. Fit Headlight infill panels, using 2x M6x20 Hex Bolts, Flat washer and M6 Flange nuts per side.

61. Tighten finger tight at this stage.

**TOOLS REQUIRED**

**FASTENERS**



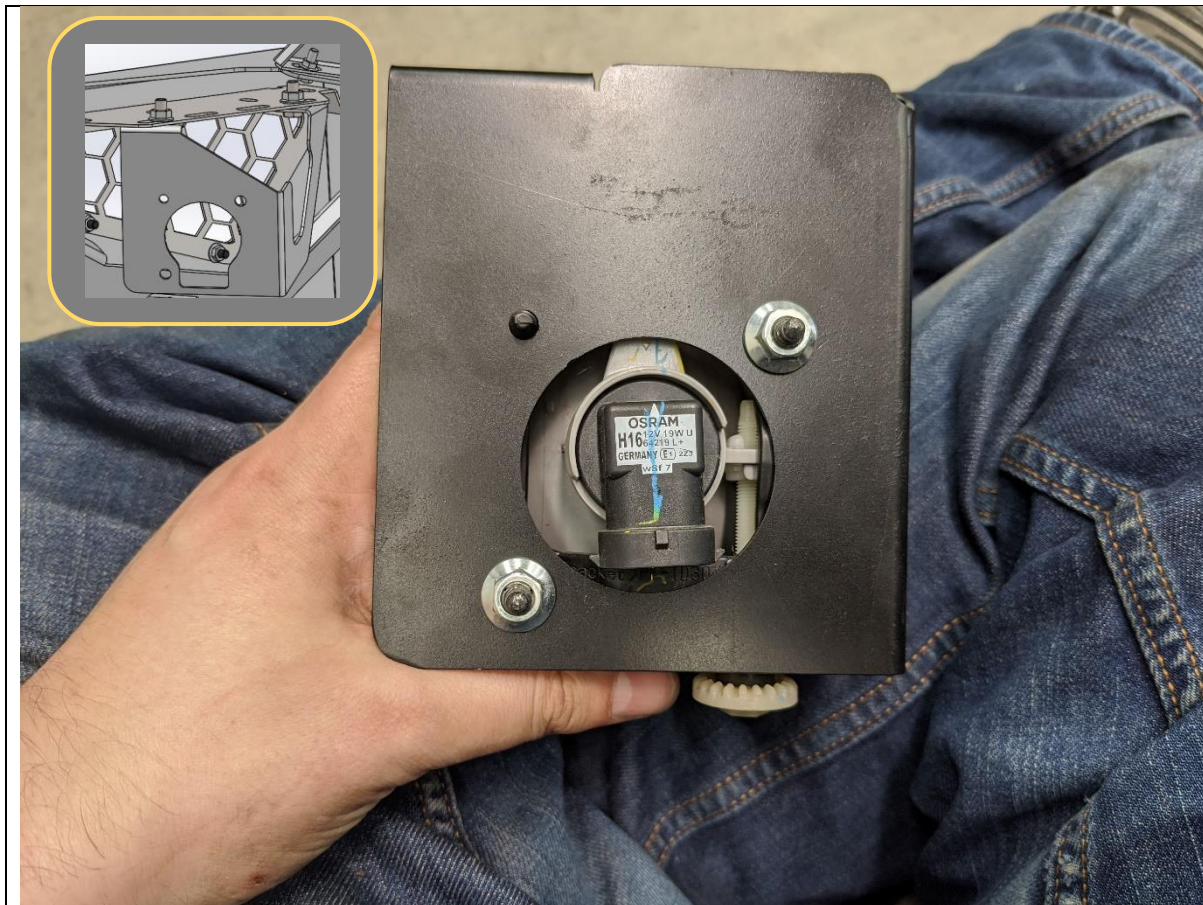
- 62. If fitting a top hoop, do so at this stage, before the grille is re-fitted.
- 63. Re fit the grille, replacing the factory clips on the top and screw under the badge.
- 64. Position the headlight infill panels to achieve a uniform gap, then tighten from underside of bar, using 10mm spanner or socket.

**TOOLS REQUIRED**

10mm socket or spanner  
Phillips Head Screwdriver

**FASTENERS**

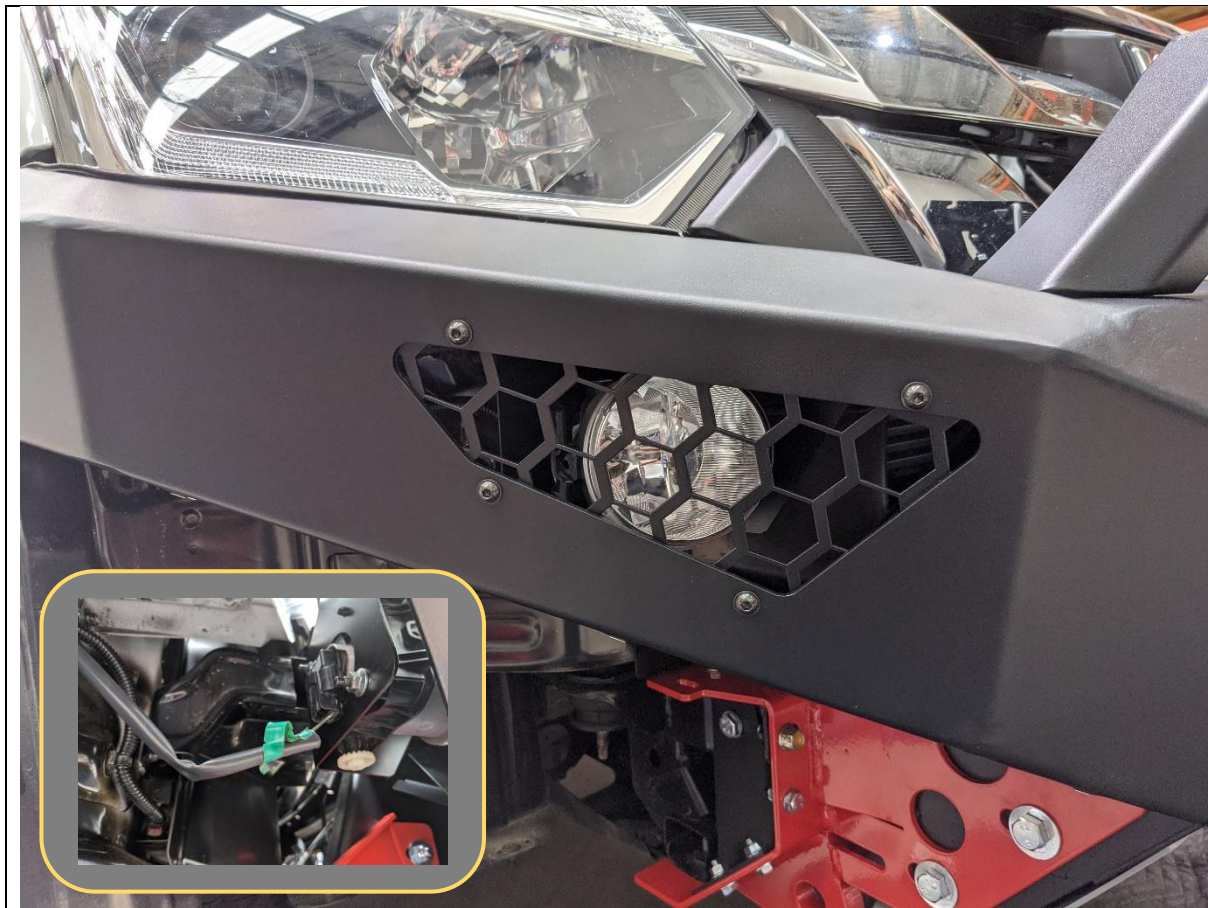
Factory Clips  
Factory Philips head screw



- 65. Remove the fog lights from the bumper by removing the 2x M10 Flange nuts.
- 66. Re fit fog lights using original fasteners to the Fog light brackets supplied. Note that the fog lights and brackets are handed.
- 67. Fit the fog light brackets to the light mesh panels using 2x M8x20 bolts, flange nuts and flat washers per side.

**TOOLS REQUIRED**  
10mm spanner

**FASTENERS**  
Factory 10mm head Flange Nut



68. Fit the light mesh to bar, position from underneath and securing with 4x M6x16 Button head bolts, Flat washers and M6 Flange Nuts.

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

70. Re Connect fog light wiring connectors.

**TOOLS REQUIRED**

4mm Allen Key  
10mm Spanner / Socket

**FASTENERS**

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



- 71. Fit Center Bash Plate (U-0017) using, M8x30 button head, flat washer and flange nut to front face. Ensure these fasteners pass through the side mesh panels and shim plate also.
- 72. Secure back of Center Bash Plate (U-0017) using M10x25 Hex head, Flat washers and M10 Flange nuts.
- 73. Tighten Bottom fasteners using 16mm spanner & Socket
- 74. Tighten front fasteners using 13mm socket / spanner and 5mm Allen Wrench. Reach through access hole in mesh panel to reach nut.

**TOOLS REQUIRED**

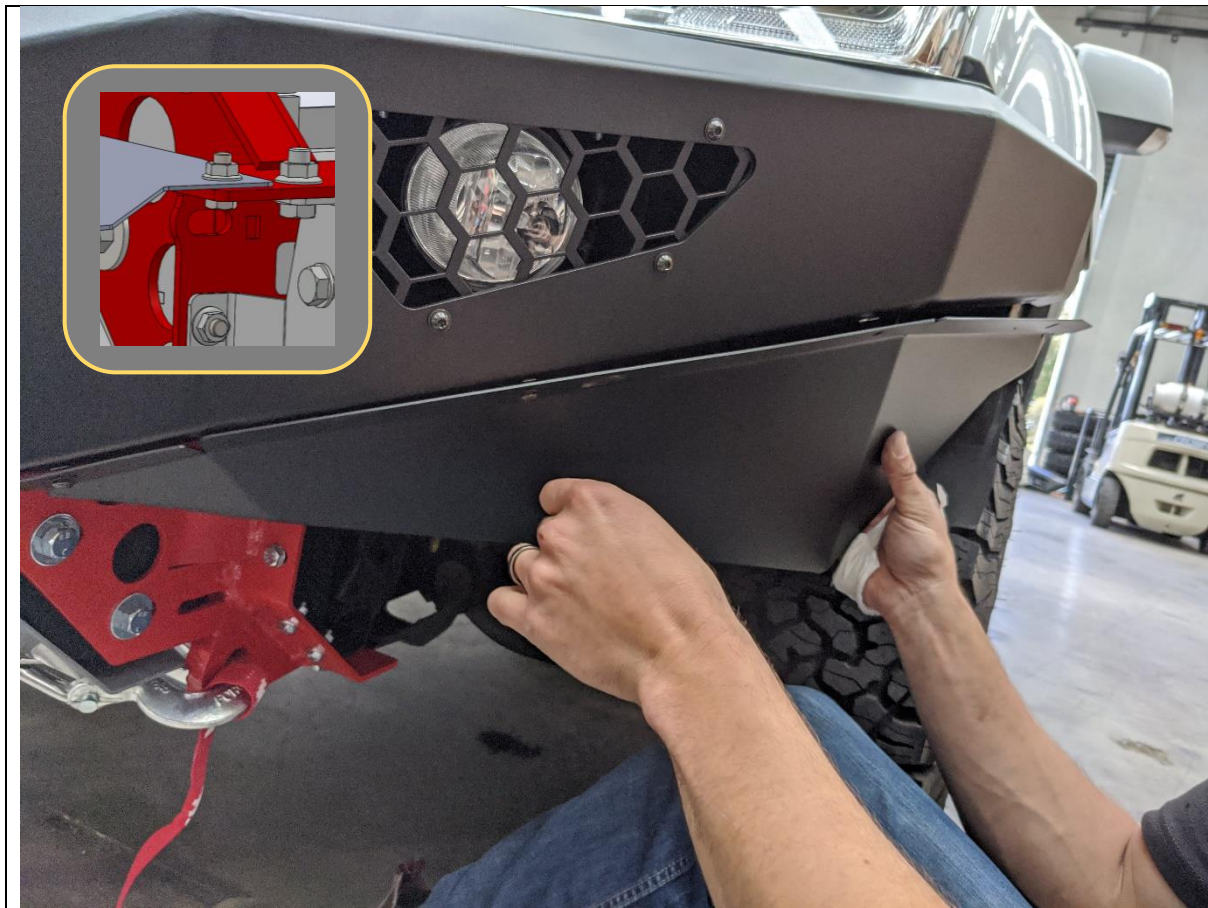
- 16mm Spanner
- 16mm Socket
- 5mm Allen Key
- 13mm spanner

**FASTENERS**

- 2x M10x25 Hex Head
- 2x M10 Flat Washer
- 2x M10 Flange Nut
- 4x M8x30 Button Head
- 4x M8 Flange Nut
- 4xM8 Flat Washer
- 2x P-0072 Shim

<p>75. Remove the inside bolts from the bottom of the impact assembly.</p> <p>76. Fit the M8 Cage nuts to the back side of the secondary bash plate</p> <p>77. Fit Secondary bash plate using 4x M8X20 Button Head bolts and Flat Washers, and the factory bolts removed before at the impact assembly</p>	<p><b>TOOLS REQUIRED</b> 5mm Allen Key 18mm Socket / Spanner</p>
<p>78. Tighten with 5mm Allen Key &amp; 18mm Socket / Spanner</p>	<p><b>FASTENERS</b> 4x M8x20 Button Head 4x M8 Flat Washer</p>





- 79. Fit Side Underpanels (U-0018L/R) using, M6x16 button head and flat washer into the cage nuts placed earlier.
- 80. Tighten with 4mm Allen wrench
- 81. Secure back of side under panel to mount using M8x25 Hex Bolt, Flat washer and M8 Flange Nut.
- 82. Tighten with 13mm spanner / Socket

**TOOLS REQUIRED**  
 13mm Spanner  
 5mm Allen Wrench  
 4mm Allen Wrench

**FASTENERS**

8x M6x16 Button Head  
 8 M6 Flat Washer  
 2x M8x20 Hex Head  
 2x M8 Flange Nut  
 2x M8 Flat Washer



- 83. Using a sharp utility knife cut back the plastic inner wheel arch liner to match the profile of the under panel.
- 84. Tuck the wheel arch liner behind the flanges on the under panel.
- 85. Repeat for both sides of vehicle.

**TOOLS REQUIRED**  
Utility Knife

**FASTENERS**



<p>86. Re Check all Fasteners are tight.</p> <p>87. Re-Fit Number Plate to number plate flip.</p> <p>88. Your done. Hit the tracks and enjoy your newly protected DMAX!</p>	<p><b>TOOLS REQUIRED</b></p>
	<p><b>FASTENERS</b></p>