



ISUZU D-MAX

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.

GENERAL CARE AND MAINTENANCE

Only wash the product with a PH neutral car wash to prevent paint damage and discolouration.

Plastic parts may be maintained with silicone spray.

Do not use acidic or alkaline based cleaning products.

It is important to perform regular checks (pre trip or on an annual basis) on the installed product. Checks include:

- Visual inspection for damage (eg. cracks, chips, dents etc.)
- Electrical wiring is not rubbing anything or worn out
- Bolts are torqued to correct specification (see torque guide below)

For touching up small stone chips, Offroad Animal recommends the following paint products:

- Dupli-Color Trim & Bumper Paint Black (TB101)
- VHT Hood, Bumper & Trim Paint Black (SP27)

BOLT TORQUE SETTINGS

Use the following bolt torques on all general fasteners, unless otherwise specified.

GENERAL FASTENERS	
Size	Torque Nm
M5	5 Nm
M6	9 Nm
M8	22 Nm
M10	44 Nm
M12	77 Nm

Use the following bolt torques on all structural front bar mount and tow point fasteners, and rear towbar fasteners, unless otherwise specified.

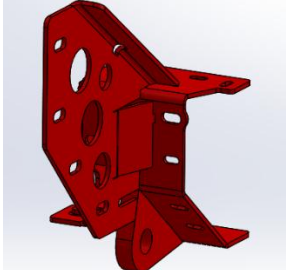
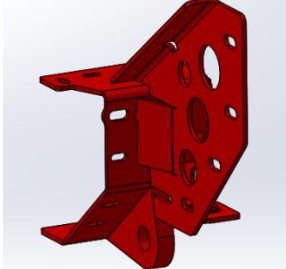
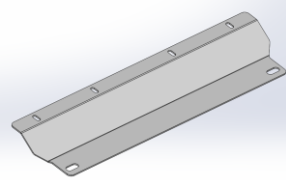
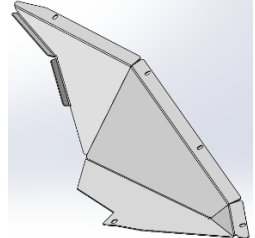
FRONT BAR MOUNTS AND TOW POINTS + REAR TOWBAR	
Size	Torque Nm
M10	57 Nm
M12	100 Nm
M14	164 Nm
M16	248 Nm

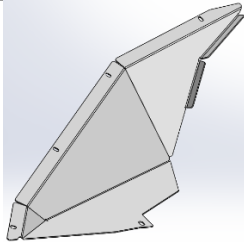
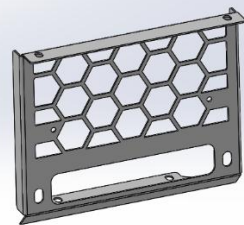
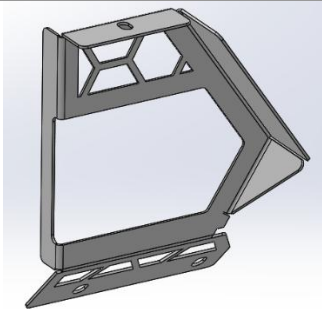
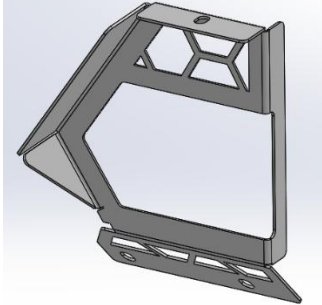
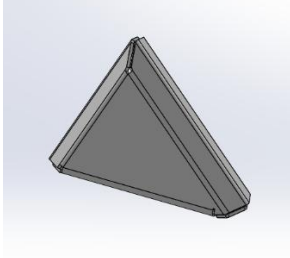
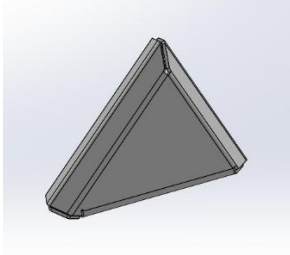
Always use a torque wrench to set correct torque settings. Ensure torque wrench is set to Nm unit of measurement. Otherwise perform conversion to lb-ft.

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	

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

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-ASM0	Number plate flip asm Small	
2	PWS-TOP-670	Pinch Weld PWS51T - Top Bulb Seal 670mm	
1	FB-IDM-G2-16-PR-ADRCP	ADR Compliance Plate DMAX 16+	

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

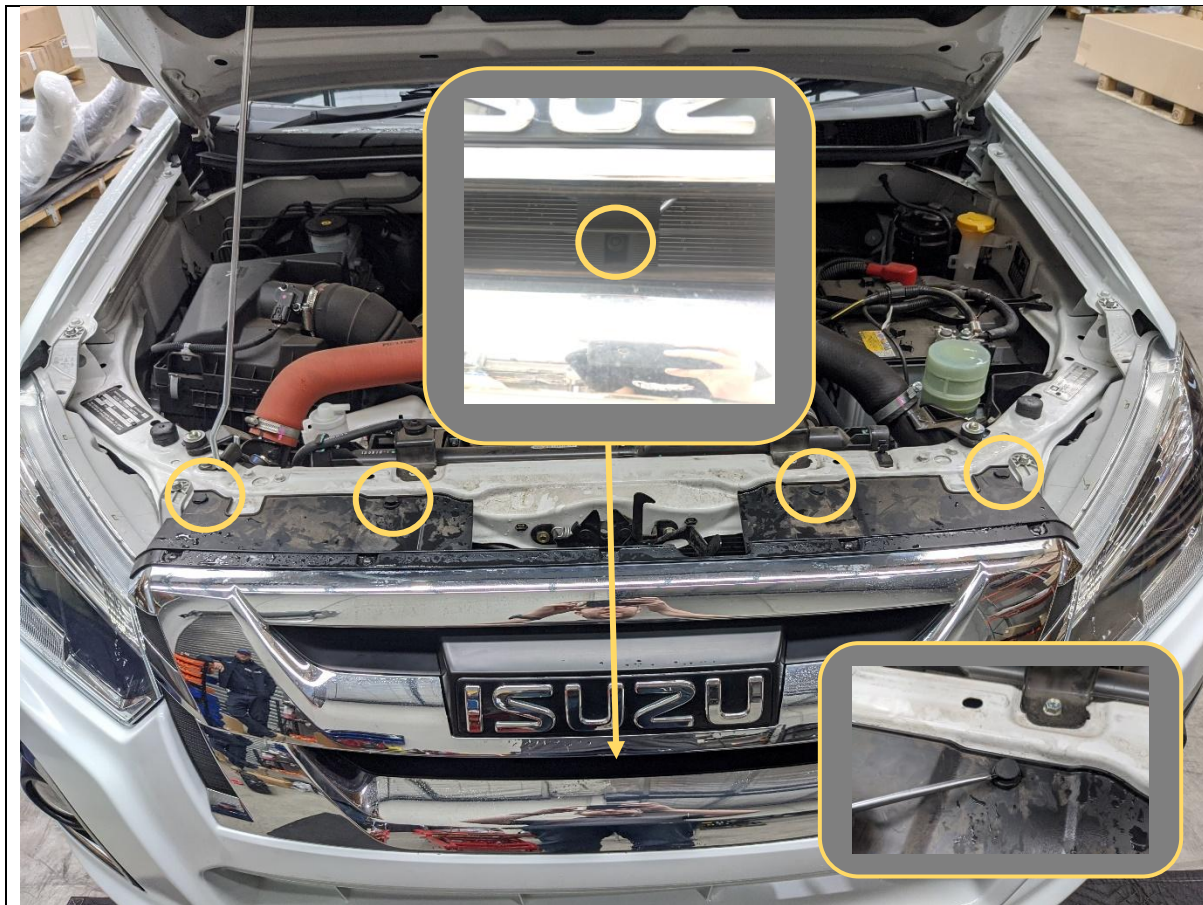
The following tools will be required to install the product.

Hand Tools	Power Tools	Workshop Equipment
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



<p>4. Remove the two clips securing the bottom edge of the bumper, using small flathead screwdriver and same technique as grille clips.</p>	<p>TOOLS REQUIRED</p> <p>Small Flathead Screwdriver</p>
	<p>FASTENERS</p>



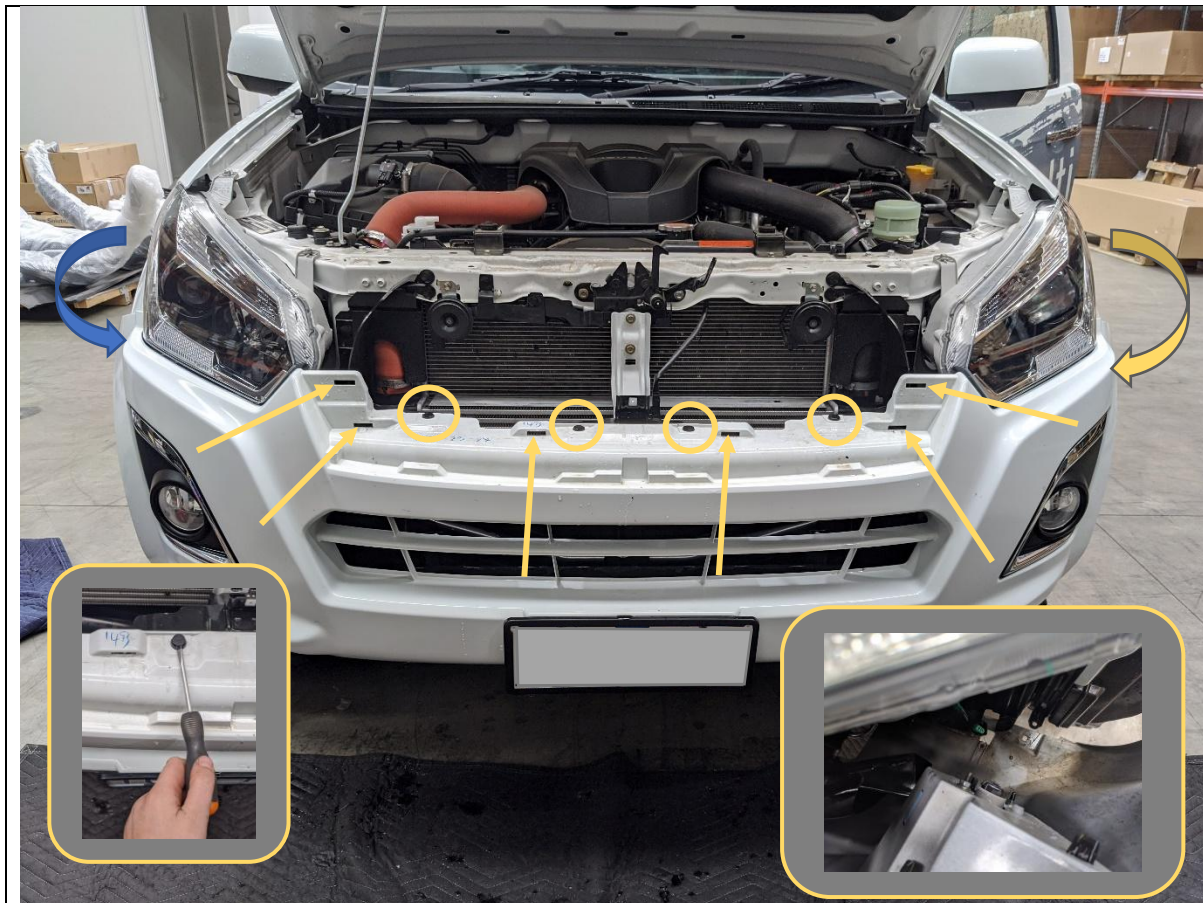
5. Remove the clips on the underside of the wheel arch. by the bumper to quarter panel seam, and under the bottom of the bumper near wheel as shown.
6. Remove using same technique as other clips
7. Remove the 10mm nut securing bottom of bumper.
8. Repeat for other side of vehicle.

TOOLS REQUIRED

Small Flathead Screwdriver
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.

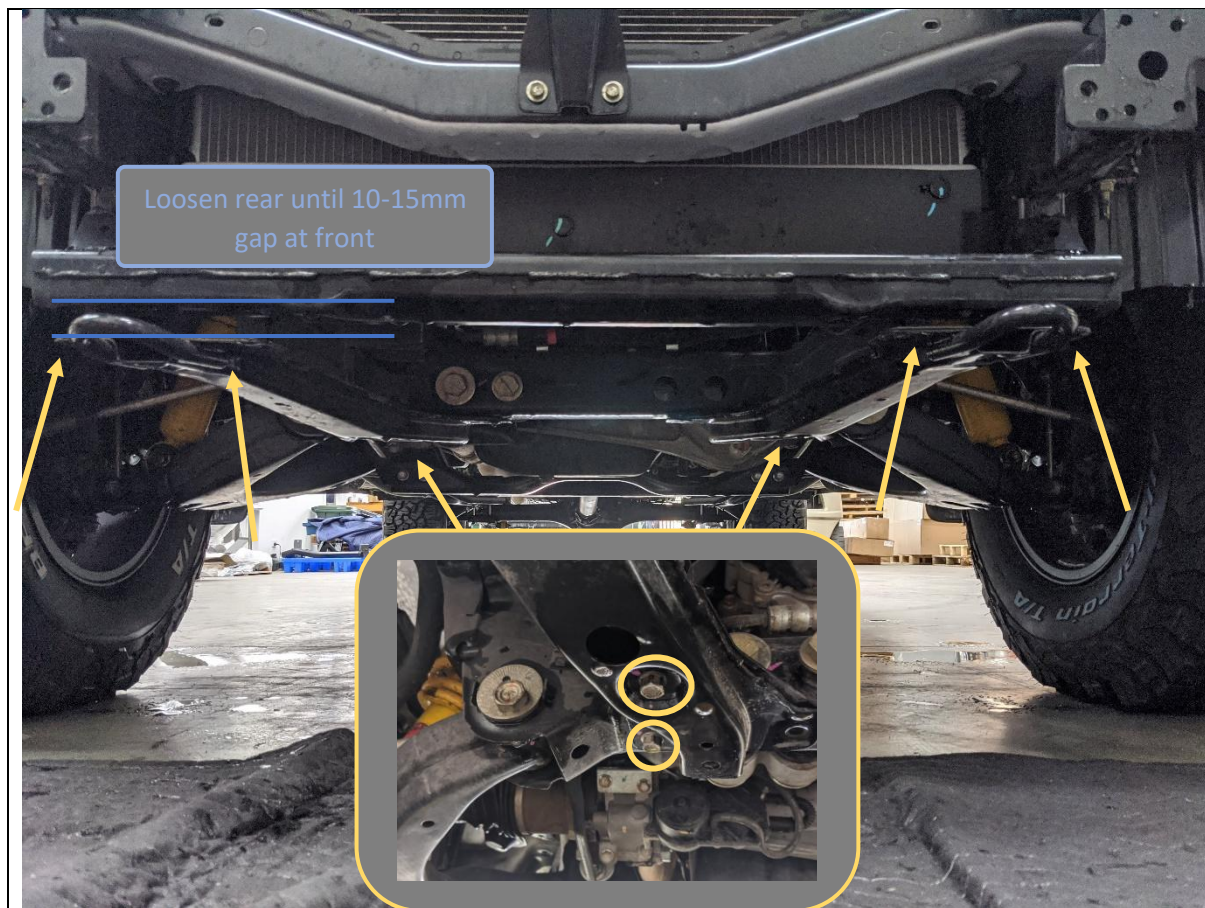
TOOLS REQUIRED

14mm Socket
17mm socket
Short extension bar

FASTENERS

Factory 14mm and 17mm head bolts

Retain for re-fitment.

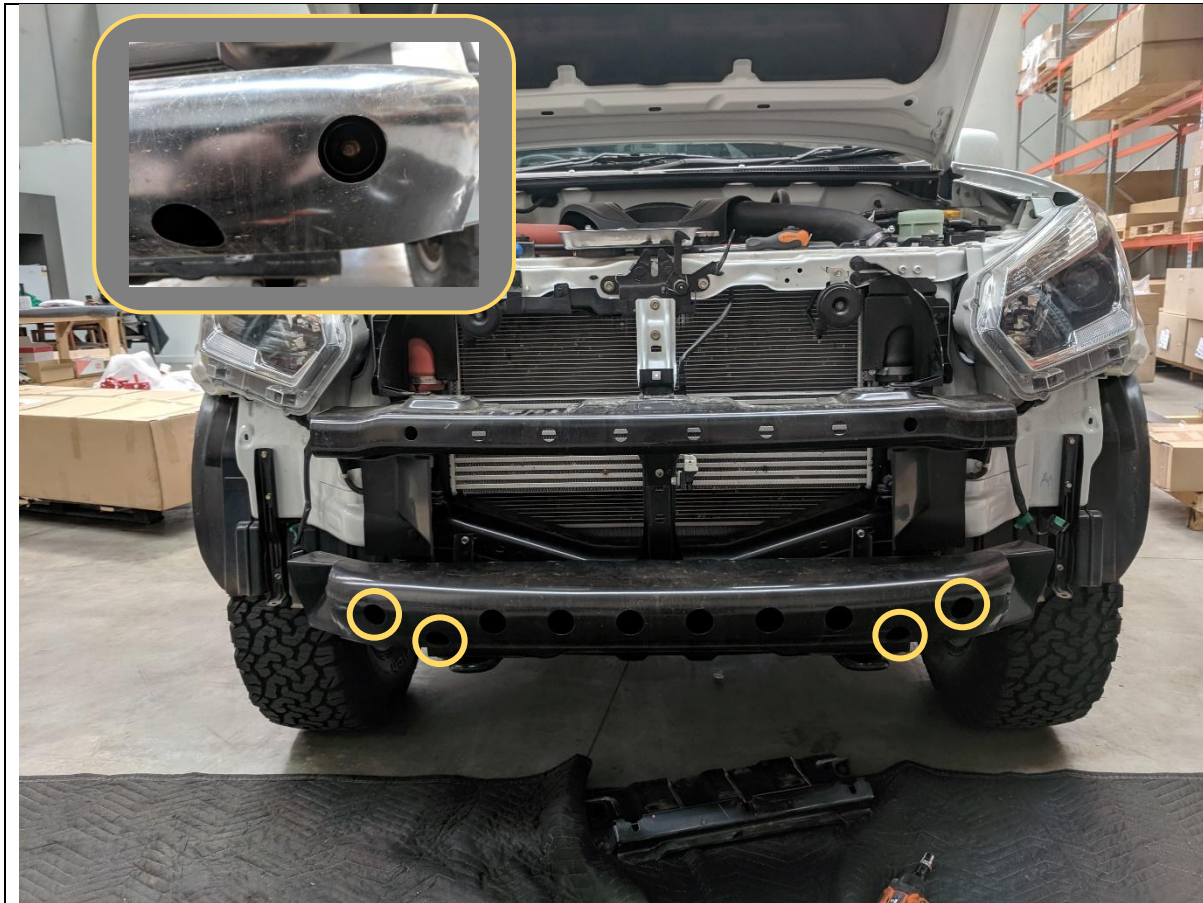


17. With the underside of the chassis exposed remove the 4x 14mm bolts that secure the front of the tow point members to the cross member. Locations indicated by arrows
18. Loosen the two bolts connecting the rear end of the tow point member enough to allow a 10-15mm gap at the front of vehicle
19. Repeat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

TOOLS REQUIRED

14mm socket

FASTENERSFactory 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 coloured 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

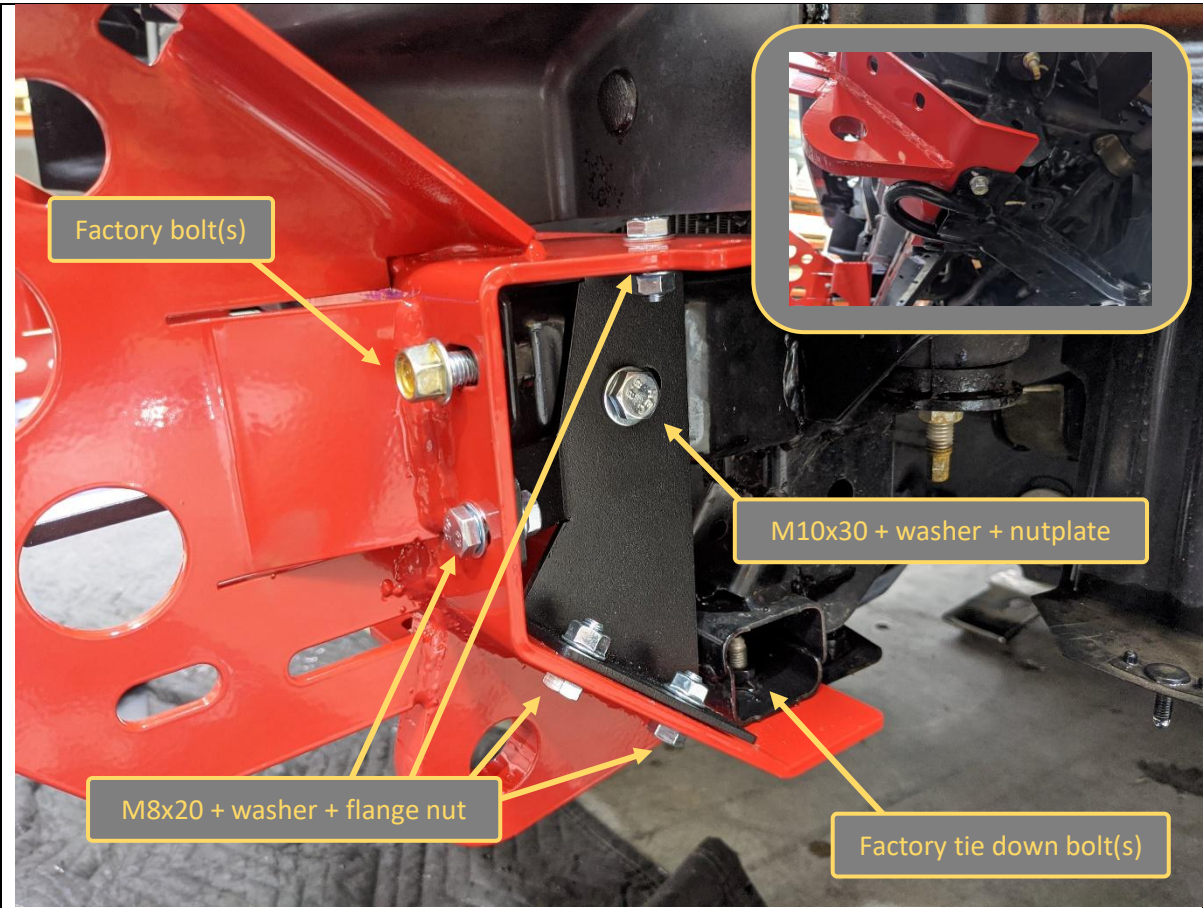
FASTENERS



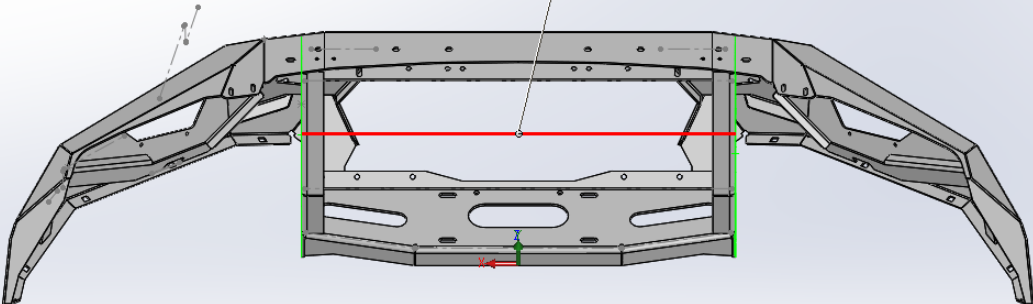

31. Fit the mounts to the chassis, ensuring that the bottom of the mount sits underneath the loosened tie down members.
32. Secure in place to threaded mounting points in chassis using original factory bolts. Leave bolts loose at this stage.

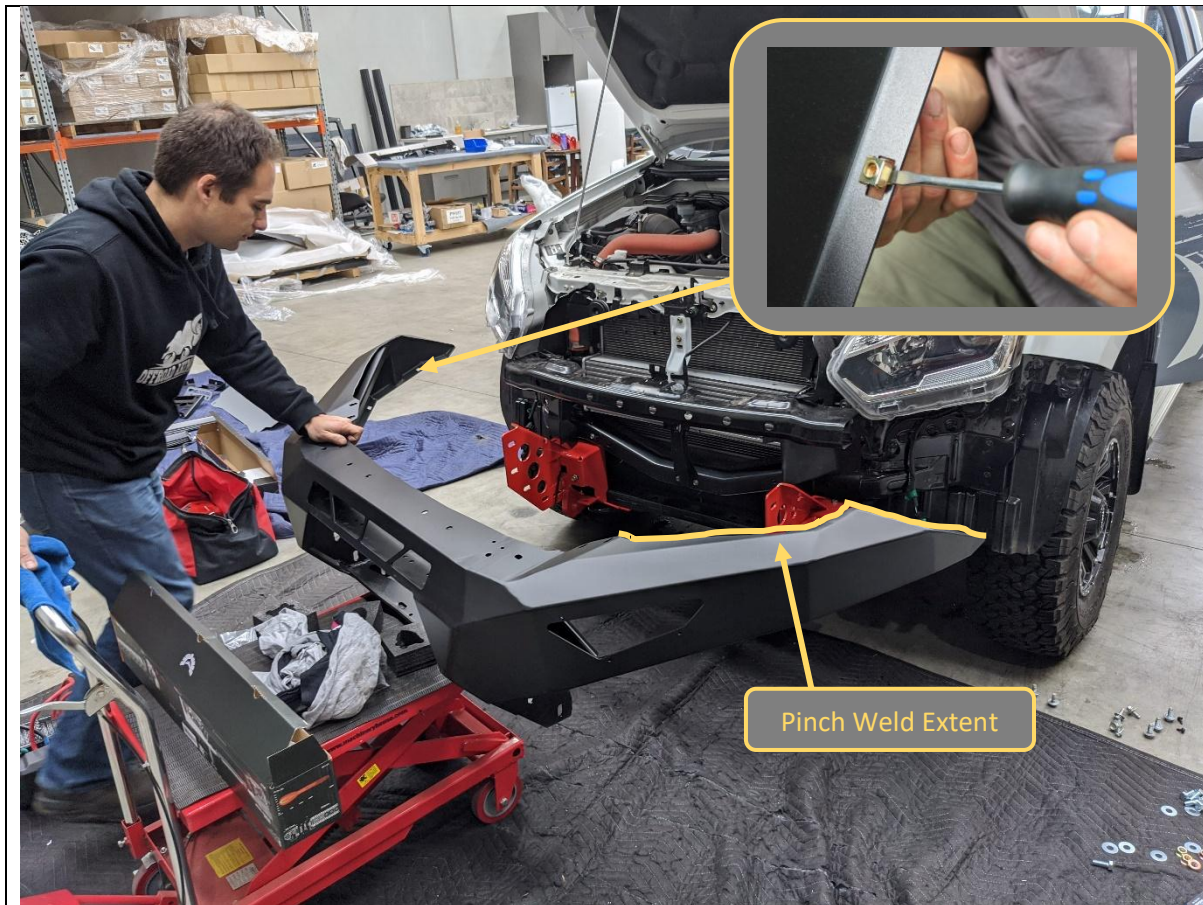
TOOLS REQUIRED**FASTENERS**

Re-Use Factory.



<div>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.</div> <div>34. Secure the impact assembly brace to the impact assembly with 4x M8x20 Bolts, Flat washers and Flange Nuts as shown.</div> <div>35. Repeat for both sides of vehicle.</div>	TOOLS REQUIRED
	FASTENERS <div>4x M8x20 Hex Bolt 4x M8 Flat Washer 4x M8 Flange Nut 1xM10x30 Hex Bolt 1xM10 Flat washer 1xM10 Slim Nut Plate</div> <div>Per Side</div>

<div data-bbox="678 257 970 353">MEASURE</div> 	
<div data-bbox="450 757 1141 1102">Adjust</div> 	
<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>	TOOLS REQUIRED Tape measure 13mm Socket 14mm Socket 16mm Socket
	FASTENERS



39. Fit 4x Cage nuts from small parts kit to rectangular slots in bottom of each 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

Flat blade screwdriver
Lift Trolley

FASTENERS

8x M6 cage nuts
Pinch weld



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
18/19mm 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>TOOLS REQUIRED</p> <p>Depends on winch supplied fasteners</p>
	<p>FASTENERS</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
2x M8 Flange Nut
4x M8 Flat Washer



56. Fit Mesh Infill Panels (M-0008L/R). Use M8x16 Button head bolt and M8 flat washer into threaded insert in bar for top mount.
57. Don't fit any bolts to bottom holes at this stage.
58. Tighten top fasteners using 5mm Allen Wrench.
59. Once the top bolts are tightened, any bolts securing the light bar can now be tightened.

TOOLS REQUIRED

5mm Allen Wrench

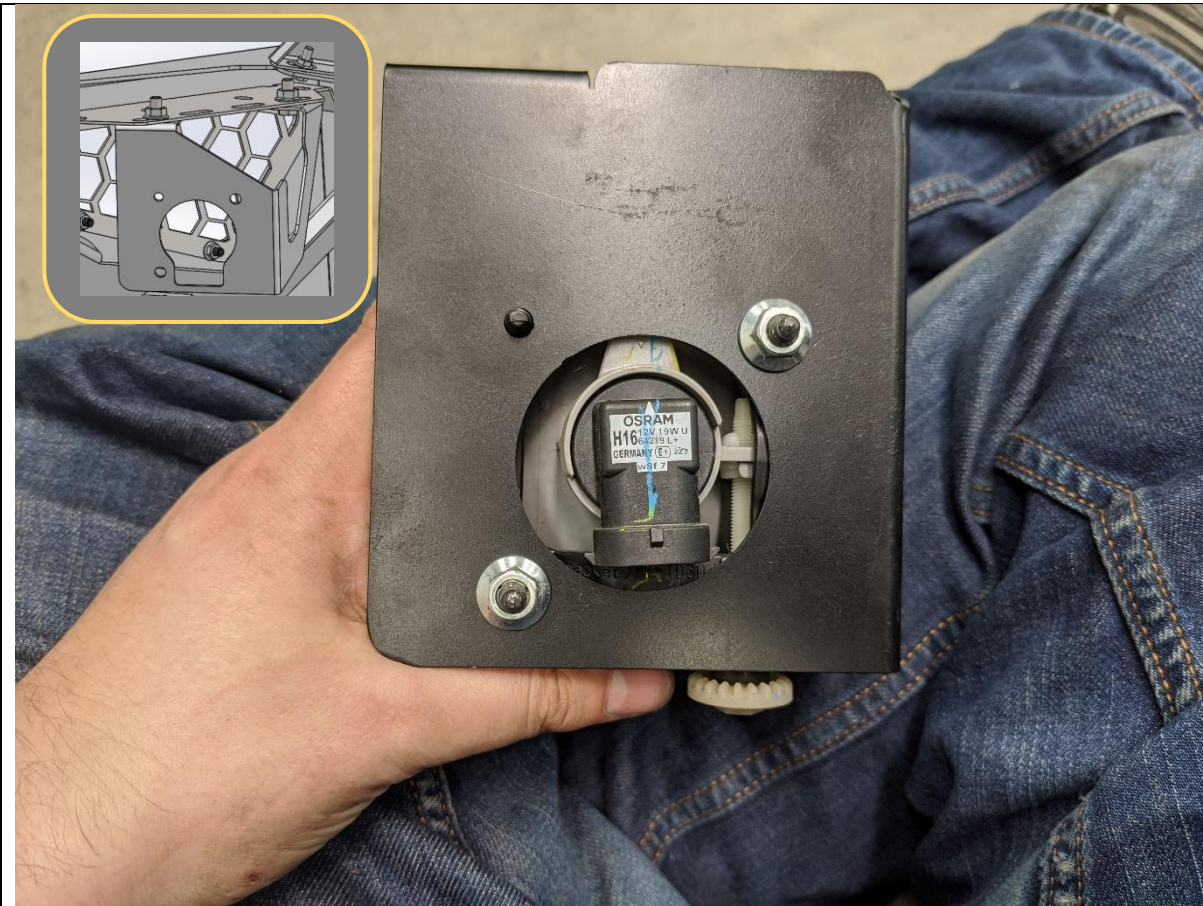
FASTENERS2x M8x16 Button Head
2x M8 Flat Washer



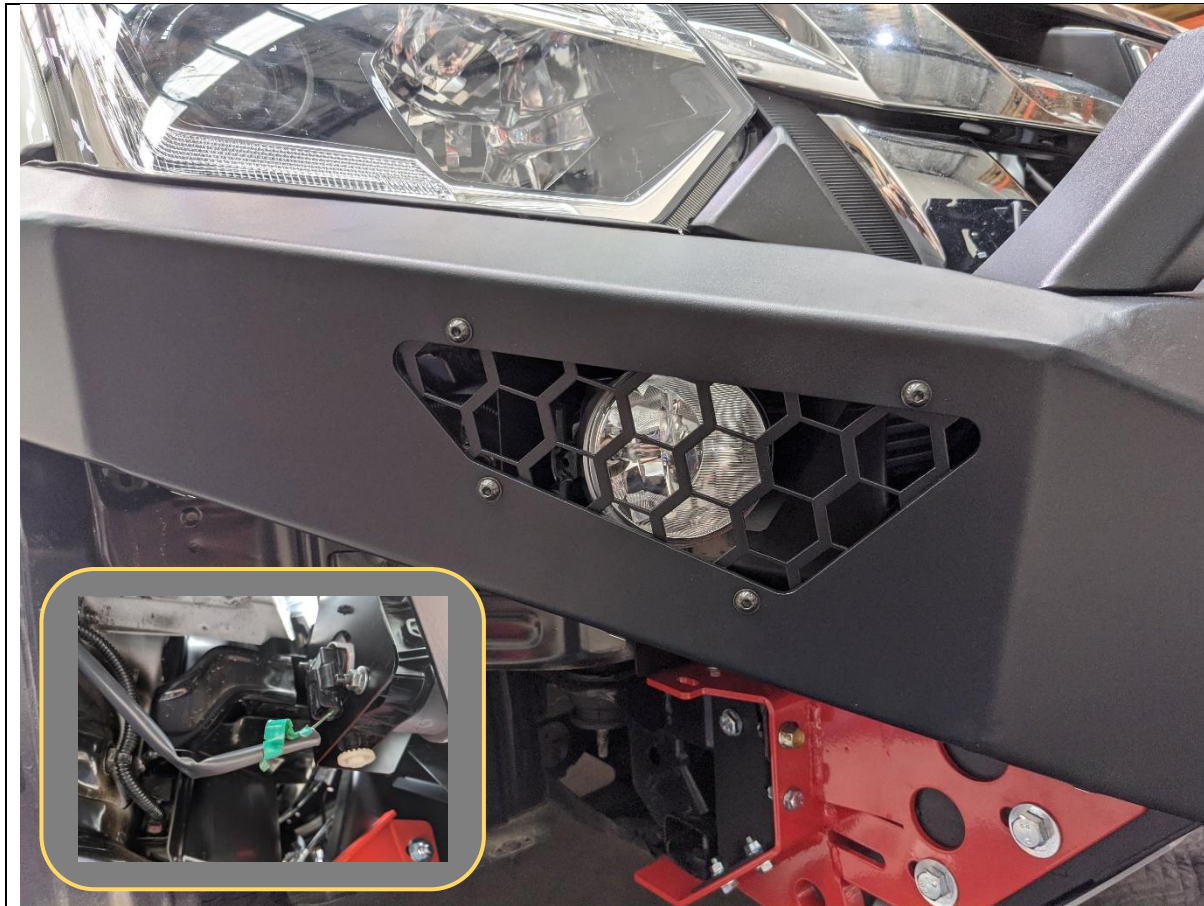
<p>60. Fit Headlight infill panels, using 2x M6x20 Hex Bolts, Flat washer and M6 Flange nuts per side.</p> <p>61. Tighten finger tight at this stage.</p>	<p>TOOLS REQUIRED</p>
	<p>FASTENERS</p> <p>2x M6x20 hex bolt 2x M6 flat washer 2x M6 flange nut</p> <p>Per side</p>



<p>62. If fitting a top hoop, do so at this stage, before the grille is re-fitted.</p> <p>63. Re fit the grille, replacing the factory clips on the top and screw under the badge.</p> <p>64. Position the headlight infill panels to achieve a uniform gap, then tighten from underside of bar, using 10mm spanner or socket.</p>	<p>TOOLS REQUIRED</p> <p>10mm socket or spanner Phillips Head Screwdriver</p>
	<p>FASTENERS</p> <p>Factory Clips Factory Philips head screw</p>



<div>65. Remove the fog lights from the bumper by removing the 2x M10 Flange nuts.</div> <div>66. Re fit fog lights using original fasteners to the Fog light brackets supplied. Note that the fog lights and brackets are handed.</div> <div>67. Fit the fog light brackets to the light mesh panels using 2x M8x20 bolts, flat washers and flange nuts per side.</div>	<div>TOOLS REQUIRED</div> <div>10mm spanner 13mm spanner</div>
	<div>FASTENERS</div> <div>Factory 10mm head Flange Nut</div> <div>2x M8x20 hex bolt 2x M8 flat washer 2x M8 flange nut</div> <div>Per side</div>



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



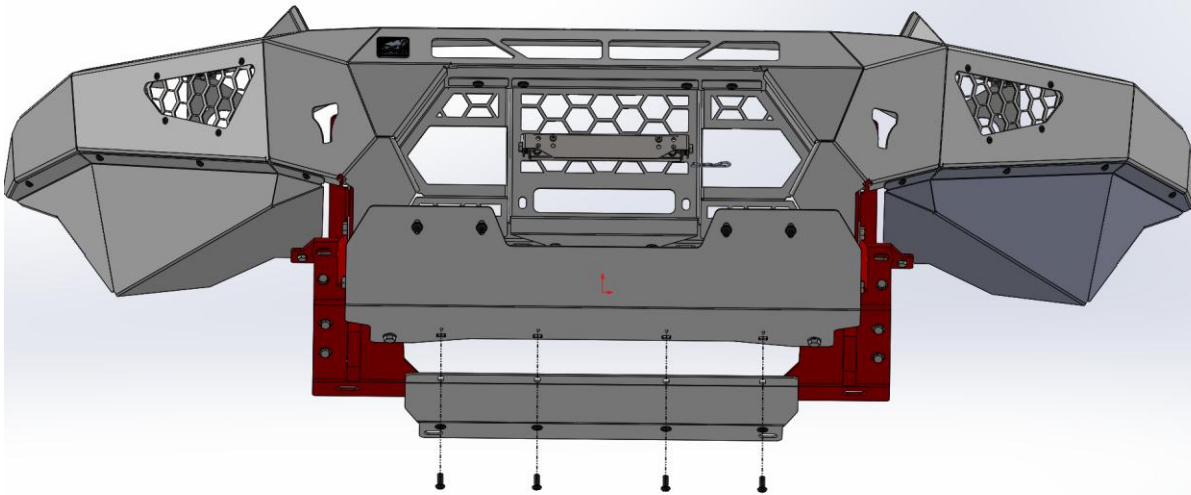
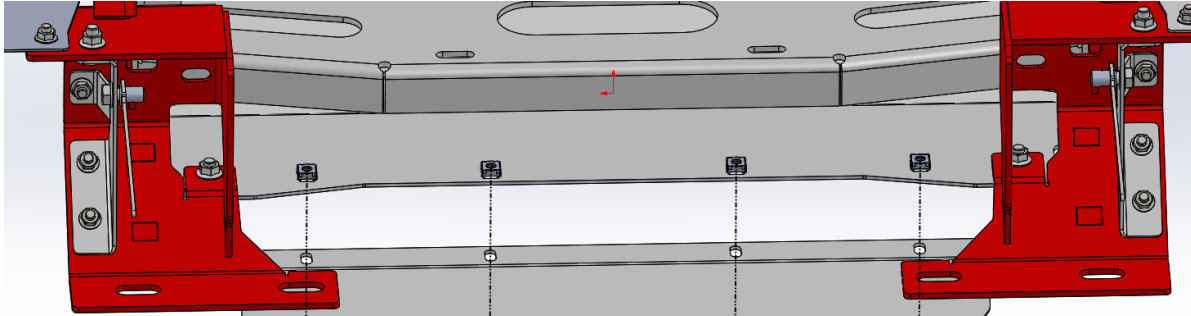
71. Fit Center Bash Plate (U-0017) using 4x M8x30 button heads, flat washers and flange nuts to front face. Ensure these fasteners pass through the side mesh panels and P-0072 shim plate also.
72. Secure back of Center Bash Plate (U-0017) using M10x25 Hex head, Flat washers and M10 Flange nuts.
73. Tighten 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.

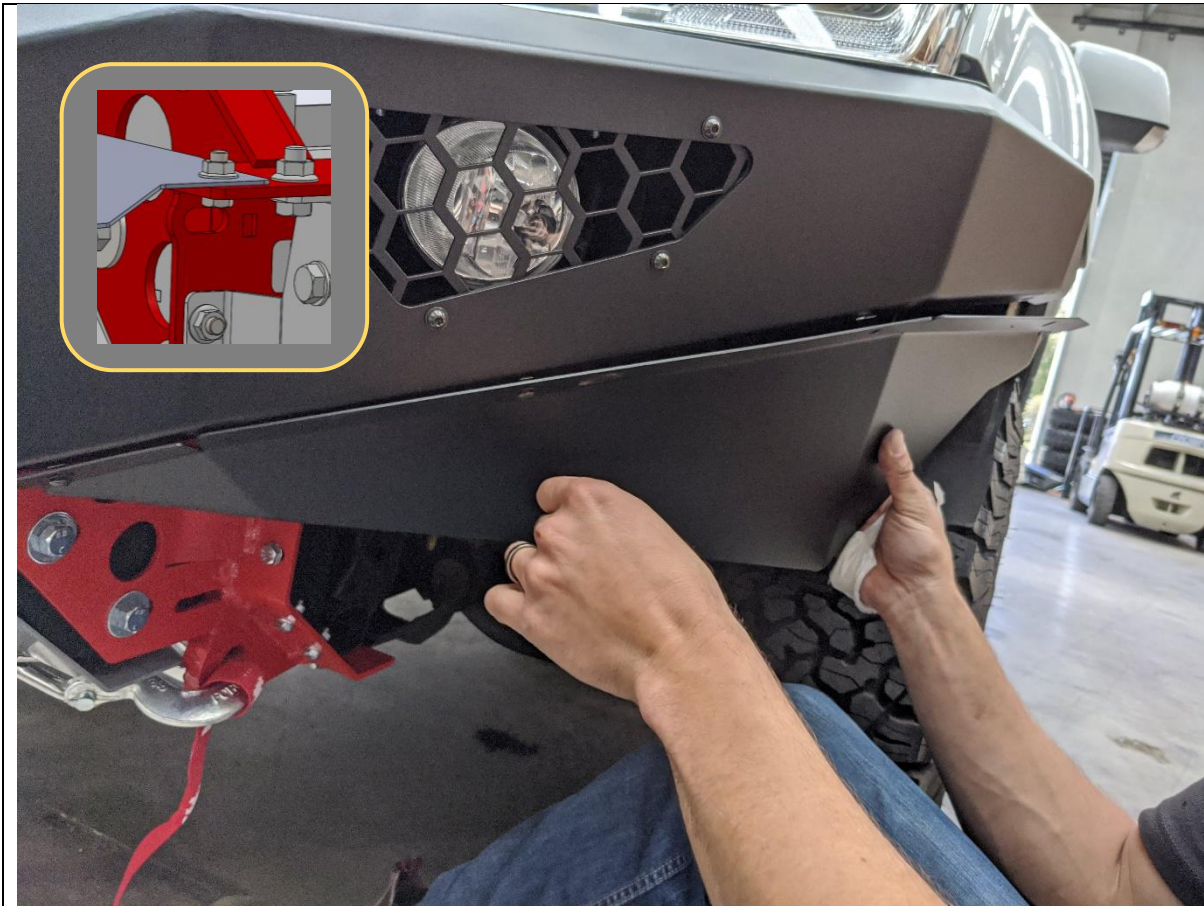
TOOLS REQUIRED

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
4x M8 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>78. Tighten with 5mm Allen Key & 18mm Socket / Spanner.</p>	<p>TOOLS REQUIRED</p> <p>5mm Allen Key 18mm Socket / Spanner</p>
	<p>FASTENERS</p> <p>4x M8x20 Button Head 4x M8 Flat Washer 4x M8 cage nut</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 M8x20 Hex Bolt, Flat washer and M8 Flange Nut.
82. Tighten with 13mm spanner / Socket.

TOOLS REQUIRED

13mm Spanner
4mm Allen Wrench

FASTENERS

8x M6x16 Button Head
8x M6 Flat Washer

2x M8x20 Hex Head
2x M8 Flat Washer
2x M8 Flange Nut



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



86. Re Check all Fasteners are tight.

87. Re-Fit Number Plate to number plate flip.

88. Fit the Compliance plate to the underside of bash plate, in location where accessible if required.

89. You're done. Hit the tracks and enjoy your newly protected D-MAX!

TOOLS REQUIRED

FASTENERS