

# ISUZU D-MAX MY2021-2024 PREDATOR & TORO FRONT BAR

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

- When installed in accordance with these instructions, the front protection bar does not affect the operation of the vehicle's 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-RG- 21-PR-ASM1	ISUZU DMAX 21+ PREDATOR WELDMENT	
		Or	
1	FB-IDM-RG- 21-TOR-ASM1	ISUZU DMAX 21+ TORO WELDMENT	
1	FB-IDM-RG- 21-PR-ASM2R	DMAX IMPACT ASSY	
1	FB-IDM-RG- 21-PR-ASM2L	DMAX IMPACT ASSY	
1	FB-IDM-RG- 21-PR-ASM3R	ISUZU DMAX 21+ TOW POINT ASSY	

1	FB-IDM-RG- 21-PR-ASM3L	ISUZU DMAX 21+ TOW POINT ASSY	
1	U-0036	Isuzu DMAX 2021+ Predator Bash Plate	
1	U-0037L	Isuzu DMAX 2021+ Predator Side Underpanel	
1	U-0037R	Isuzu DMAX 2021+ Predator Side Underpanel	
1	U-0041	DMAX 21+ Supplementary Underpanel	
1	M-0014	DMax Predator Center Fairlead Mesh	
1	M-0015L	DMax Predator Side Mesh	

1	M-0015R	DMax Predator Side Mesh	
1	M-0019R	Isuzu DMAX 2021+ Indicator/Fog Mesh Panel	
1	M-0019L	Isuzu DMAX 2021+ Indicator/Fog Mesh Panel	
1	B-0485R	Isuzu DMAX 2021+ Indicator/Fog Bracket	
1	B-0485L	Isuzu DMAX 2021+ Indicator/Fog Bracket	
1	B-0486R	Isuzu DMAX 2021+ Indicator/Fog infill	
1	B-0486L	Isuzu DMAX 2021+ Indicator/Fog infill	

1	B-0487	Isuzu DMAX 2021+ Mesh Grille Fill Panel	
2	B-0508	DMAX 21+ Headlight Securing Bracket	
1	B-1055	Isuzu DMAX 21+ Pan brace	
1	NPF-COM-SM- ASM0	Number plate flip asm Small	
1	FB-IDM-RG- 21-PR-ADRCP	ADR Compliance Plate DMAX 21+	CHEROAD ANIMAL 17 BAYPORT COURT  MINISTER MORNINGTON VC, 3931, ALIS  PART NO: FIR-URB-RG-12 - 12**-4.58989  THIS BAR MUST ONLY BE FITTED TO A  ISUZU DIMAX RG NY 12021+  BER PRODUCT CONFUESTO  ANGOLIZORO, ARRAY, 1940, ALIGH AND ZAVO  THE PRODUCT ONE TRANS, MUST NOT SE MODRED  NO ACCESSORY OF FRANS MUST NOT SE MODRED  ON HOST SENDED ON THE SENDED ON THE SENDED OF THE SENDED OF THE SENDED WITH SENDED ON THE SENDED WITH SENDED ON THE SENDED WITH SENDED ON THE SENDED ON THE SENDED WITH SENDED ON THE SENDED ON THE SENDED WITH SE
1	OFA-LOGO	Offroad Animal Metal Logo	
1	FI Note	Fitting Instruction Note	N/A
4	СРНР035	Plastic Hole Insert, 22MM, Black, Tigerlink Hardware CPHP035	
2	PWS-SIDE-275	Pinch Weld PWS53S - Side Bulb Seal 275mm	N/A

## Small Parts - Contained in Small Parts Kit Bag

Qty	Part Number	Description	
2	FB-IDM-RG-21-	DMAX 21+ Tow Point Nut Plate	
_	PR-ASM4	DIVINUX 21 YOW YOUR TWEET INCO	
7	M10 FLANGE	Flange Nut, M10x1.5 G8.8 ZP	
	NUT		
11	M10 x 30	Bolt Hex, M10X30x[1.5], GR8.8 ZP	
11	M10 Flat	M10 FW	
	Washer		
18	M12 FW LHD	M12 FW Large Heavy Duty	
12	M12X30	Bolt Hex, M12X30x1.75, GR8.8 ZP	
4	M12 FLANGE	Flange Nut, M12x1.75 G8.8 ZP	
	NUT		
6	M12 Nyloc nut	M12 NYLOC NUT	
10	M8 FLAT	M8 FW- BLACK ZINC	
	WASHER- BLACK		
	ZINC		
4	M8 X 16 BHCS	SCREW, BUTTON HEAD CAP,	
	BZP	M8X16X1.25 GR12.9 BLACK ZP	
6	M8 X 20 BHCS	SCREW, BUTTON HEAD CAP,	
	BLACK ZINC	M8X20X1.25 BLACK ZP	
4	M8 FLANGE NUT	Flange Nut, M8x1.25 G8.8 ZP	
10	M6CN3MM	CAGE NUT M6x2.6-3.5	
48	M6x16 BHCS	SCREW, BUTTON HEAD CAP, M6X16X1	
	BLACK ZINC	GR12.9 BLACK ZP	
48	M6 FLAT	M6 FW BLACK ZP	
	WASHER BLACK		
40	ZINC	Flores Next NAC-1 CO 0.7D	
40	M6 FLANGE NUT	Flange Nut, M6x1 G8.8 ZP	
2	M6 X 20 HEX M6 FLAT	M6X20 HEX BOLT, ZP, 8.8 M6 FW	
	WASHER	IVIO FVV	
2	NP-COM-M10-	M10 LOLLYPOP NUT PLATE 190MM	
	190-ASM0	LONG	
3	M5 FLANGE NUT	Flange Nut, M5x0.8 G8.8 ZP	
3	M5 Flat washer	M5 FW	
3	M5X15 BHCS	SCREW, BUTTON HEAD CAP,	
	IVIONTO DI ICO	M5X15X0.8 GR12.9 ZP	
4	M8 FLAT	M8 FW	
•	WASHER	1410 1 44	
4	M8 X 20 HEX	Bolt Hex, M8X20x1.25, GR8.8 ZP	
•		20.0.100 THOREONETES, GROWE	

#### **TORO EXTRA Parts – IN ADDITION to PREDATOR Parts**

Qty	Part Number	Description
2	B-0523	Toro Antenna Bracket - 90 Degree
4	M8 X 20 BHCS	SCREW, BUTTON HEAD CAP,
	BLACK ZINC	M8X20X1.25, ISO4042 ZnNi BLACK
		PASSIVATED FINISH
4	M8 FLAT	M8 FLAT WASHER, 16.5x8.4x1.2,
	WASHER- BLACK	ISO4042 ZnNi BLACK PASSIVATED
	ZINC	FINISH

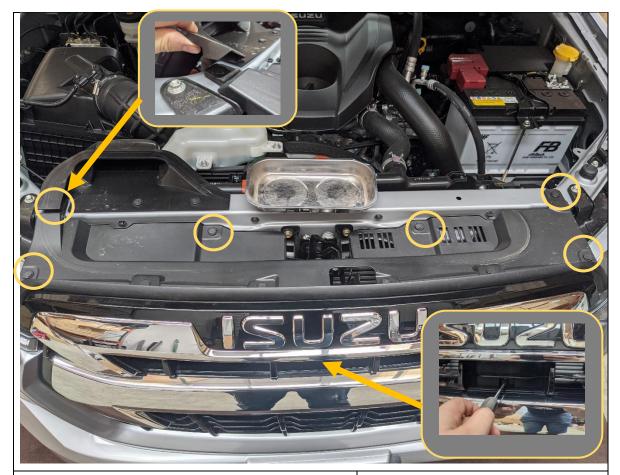
The following tools will be required to install the product.

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



- 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.
- 4. Remove the top portion of the grille from the car

Small Flathead Screwdriver Phillips Head screwdriver

#### **FASTENERS**

**Retain Factory Clips and Screw** 



Remove the three screws securing the bottom edge of the bumper, using 10mm Socket / Spanner TOOLS REQUIRED

10mm socket / spanner

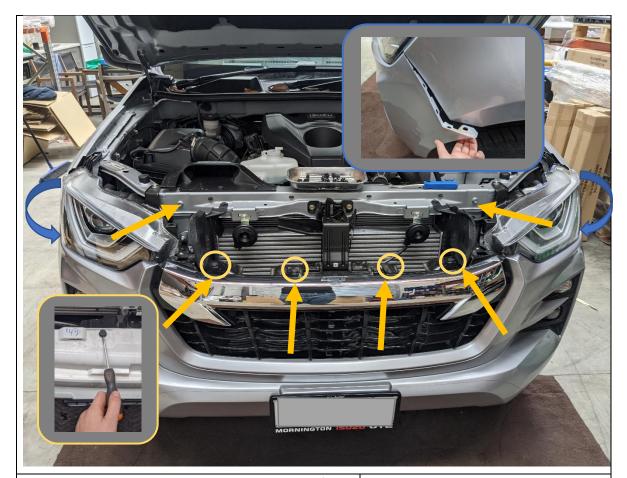


- 6. Remove the clips on the underside of the wheel arch by the bumper to quarter panel seam, and under the bottom of the bumper near wheel as shown.
- 7. Remove using same technique as other clips
- 8. Remove the 10mm nut securing bottom of bumper.
- 9. Repeat for other side of vehicle

TOOLS REQUIRED 10mm socket Trim Tool

#### **FASTENERS**

Factory Clip and Nut

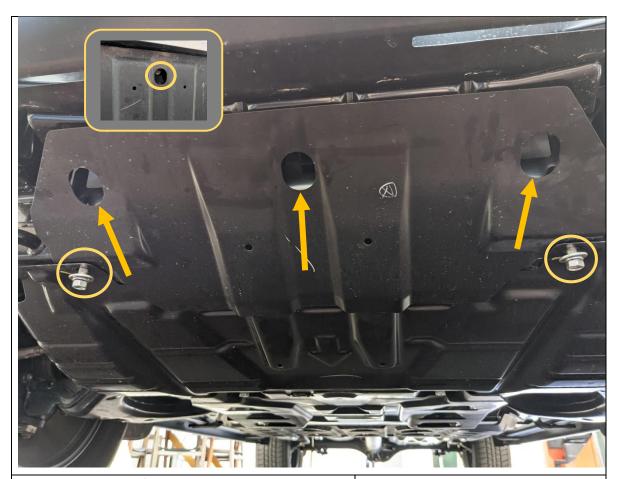


- 10. Remove the 4x clips securing the center of the bumper using small flat blade screwdriver to pry up the center section
- 11. Release the bumper clips by pulling bumper away from bottom of headlights, starting from the outside and working in.
- 12. When bumper is loose, reach in and disconnect the fog light wiring harness located under the left hand headlight.
- 13. Remove bumper from car and set aside on soft blanket or panel stand.

Small flat blade screwdriver

#### **FASTENERS**

**Factory Clips** 



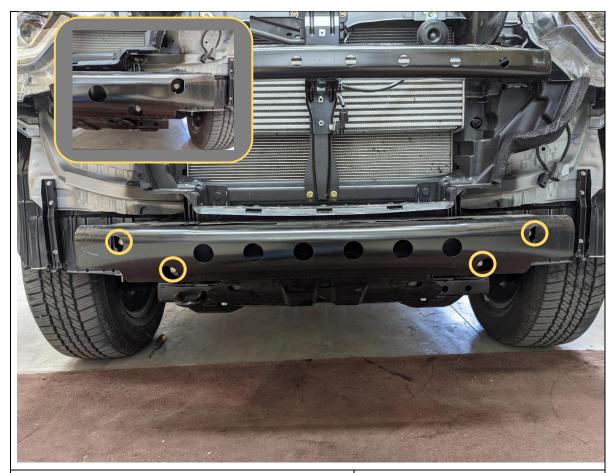
14. Remove the front skid plate by removing the 5x 14mm head bolts securing it to the chassis. Note 3x of the bolts are recessed into the skid plate, shown with arrows.

#### **TOOLS REQUIRED**

14mm socket Short extension bar

#### **FASTENERS**

Factory 14mm head bolts.
Retain for refitment.

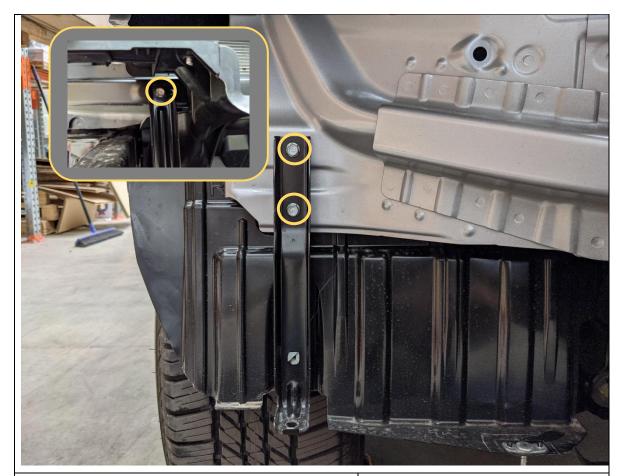


- 15. Remove the 4x 14mm head bolts that secure the impact beam to the chassis
- 16. Remove and discard the impact beam. Retain bolts for fitting of mount.

#### TOOLS REQUIRED 14mm socket

#### **FASTENERS**

Retain for re-fitment of mounts



- 17. Remove the 10mm bolts securing the bottom bumper supports.
- 18. Remove and discard the bumper supports

10mm socket

#### **FASTENERS**

Factory 10mm head bolts Discard



- 19. Remove the 10mm and Philips head screws securing the plastic bumper supports beside the headlights. Retain the screw that secures the bumper support to the headlight.
- 20. Remove the bumper supports, a firm tug will be required to release the clips. Discard
- 21. Fit the headlight support bracket between the fender and headlight. Re-use factory bolt to secure bracket to headlight and use M6x16 flat washer and flange nut to secure to fender.
- 22. Complete on both sides of vehicle

Phillips head screwdriver

#### **FASTENERS**

Factory Bolt.

1x M6x16 Button Head

1x M6 Flat Washer

1x M6 Flange Nut



- 23. Trim the plastic air guide along the marking as shown.
- 24. It is easiest to remove the guide from the vehicle before trimming. Guide is secured with clips
- 25. Replace the top section of trimmed guide once cuts are completed.

## TOOLS REQUIRED Utility knife or air hacksaw



- 26. Unplug the electrical connectors from the fog light and indicators.
- 27. Remove the harness clips from the bumper using a trim tool.
- 28. Set aside harness for re-fitment to Offroad Animal Bar.
- 29. If equipped, remove the parking sensors and parking sensor harness from the bumper.

## TOOLS REQUIRED Trim Tools

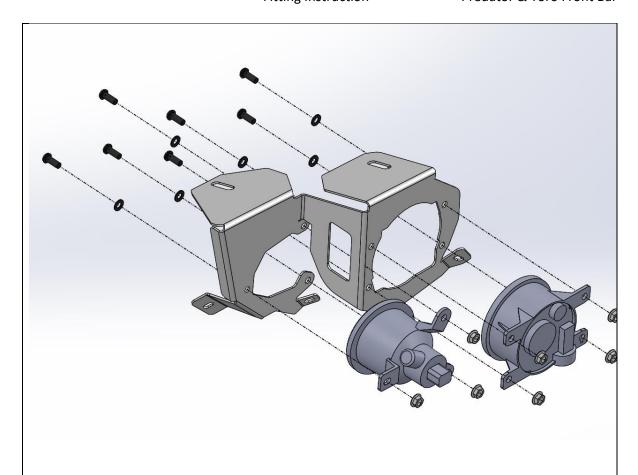


- 30. Remove the indicator and fog lights from the bumper using Phillips head screwdriver.
- 31. Discard the factory Philips head screws.

## **TOOLS REQUIRED**Phillips head screwdriver

#### **FASTENERS**

OE Philips head screws



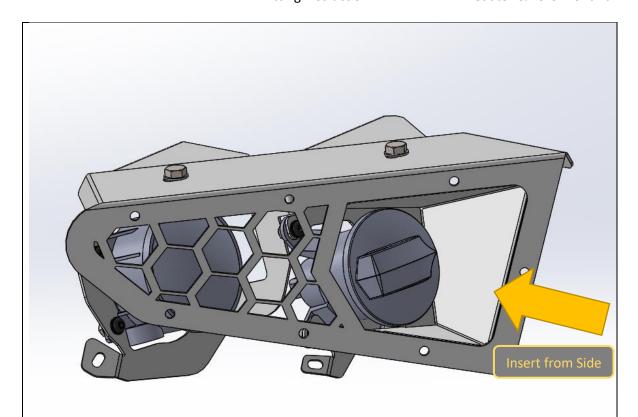
- 32. Fit the fog light and indicator to the light mounting bracket supplied in the kit using supplied M6x16 button head screws, flat washers, and flange nuts.
- 33. Lights sit on the back side of the bracket. Take care to ensure the correct handed lights are re-fitted.

4mm Allen Key

#### **FASTENERS**

7x M6x16 Button Head Screw 7x M6Flat Washer 7x M6 Flange Nut

Per side



- 34. Fit the light bracket to the mesh cover panel using supplied M8x20 bolts, flat washers, and flange nuts.
- 35. As the light bracket is being positioned with the mesh panel, insert the indicator trim bracket in position between the indicator and the mesh panel, from the side.

13mm Spanner / Socket

#### **FASTENERS**

2x M8x20 Bolts, 2x M8 Flat washers 2x M8 Flange Nuts Per Side



- 36. Insert the assembled light bracket / mesh panel into the wing of the bar.
- 37. Secure to wing brace with supplied M6x16 button head bolts, washers, and flange Nuts

#### TOOLS REQUIRED 4mm Hex Key

#### **FASTENERS**

2x M6x16 Button Head Screw 2x M6 Flat Washer 2x M6 Flange Nut

Per side



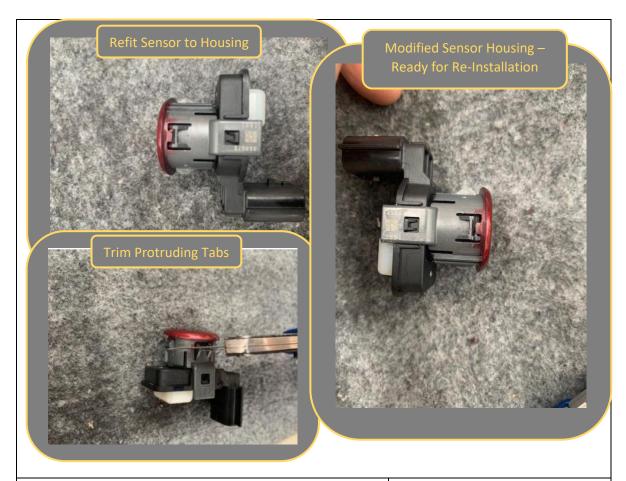
- 38. Secure to the wing of bar using with supplied M6x16 button head bolts, washers, and flange Nuts
- 39. Re install wiring harness to bar and plug in connectors for fog light and indicators
- 40. If equipped, re fit parking sensors to bar by relocating original housings to the holes on the bar.

4mm Hex Key

#### **FASTENERS**

7x M6x16 Button Head Screw 7x M6 Flat Washer 7x M6 Flange Nut

Per side



- 41. Re install wiring harness to bar and plug in connectors for fog light and indicators
- 42. If equipped with parking sensors, you'll need to do a small mod to allow them to grip on the bull bar which is thicker than the factory bumper.
- 43. Fit sensor back into housing (top left)
- 44. Using a Utility knife trim 2mm off the front of the push in tabs (up to the join in the middle as shown in bottom left) Do for all 4 tabs around sensor.
- 45. Photo to the right shown, is a completed sensor. Repeat for other sensors.
- 46. Re-fit parking sensors to bar by relocating original housings to the holes on the bar.
- 47. If parking sensors not equipped fit plastic blanking plugs to parking sensor holes on bar.

## TOOLS REQUIRED Utility Knife



- 48. If fitting an integrated light bar, do so now. Leave bolts loose at this stage to allow fitment of mesh panels.
- 49. The bar is designed to fit a Offroad Animal 22 inch light bar. If fitting this light bar, assemble bar with legs out, and it will line up with the slots in the center gusset. Secure with fasteners supplied with the light bar.

The bar can accommodate most other "20 inch" size light (20-22 inch long) bars

- 50. If fitting stealth top hoop or round lights do so at this stage.
- 51. Fit the Lower Grille mesh panel to the top pan of the bar.
- 52. Fit the Pan Brace between the center gusset and top of pan at the center using supplied fasteners. The top fastening uses the same bolt as the center of the lower grille mesh panel.

#### **TOOLS REQUIRED**

Refer to light bar instructions

#### **FASTENERS**

Supplied with Light bar M6x16 Button M6 Flat washer M6 Flange Nut



53. 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.

**TOOLS REQUIRED**Flat Blade Screwdriver

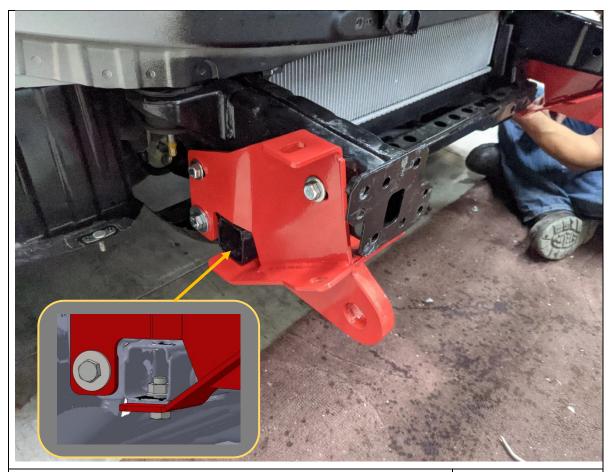


- 54. Fit the supplied lengths of side bulb pinch weld rubber to the outermost edge of the wing on each side of the bullbar.
- 55. Use a pair of side cutters to make a notch in the pinch weld, to go around the internal bracing in the bullbar (see inset photo).
- 56. Trim to length if required.

Side cutters

#### **FASTENERS**

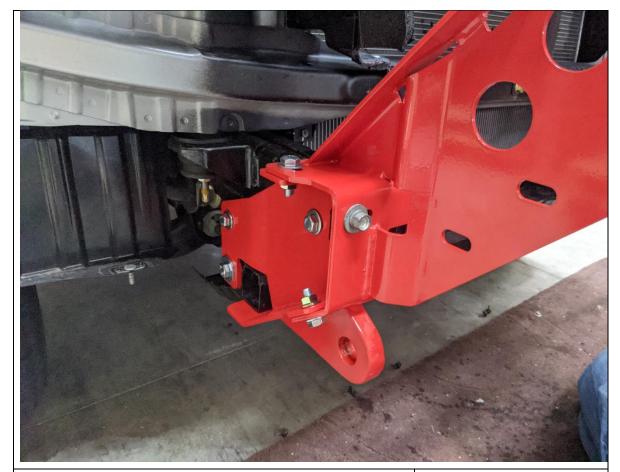
2x side bulb pinch weld rubber



- 57. Fit the Tow Point to the chassis using the lollipop nut plate through the center of the chassis rail and the M10 / M12 nut plate behind the rear section of chassis. Use M12X30 bolt with flange nut inside chassis rail for bottom of mount.
- 58. Secure in place to threaded mounting points in chassis using original factory bolts. Leave bolts loose at this stage.

#### **FASTENERS**

2x M10x30 1x M10 Lollypop Nut Plate 2x M12x30 Bolt 1x M12 Flange Nut 2x M10 Flat Washer 2x M12 Flat Washer 1x M10 + M12 Nut Plate



- 59. Fit the impact assembly to the chassis using the 14mm head factory bolts retained from the crash beam.
- 60. Secure to the tow point using 3x M10x30 bolts, flat washers and flange nuts as shown.
- 61. Repeat for both sides of vehicle. Leave finger tight at this stage

#### **FASTENERS**

2x Factory M10x1.25P Bolts 3x M10x30 Hex Bolt 3x M10 Flat washer 3x M10 Flange Nut

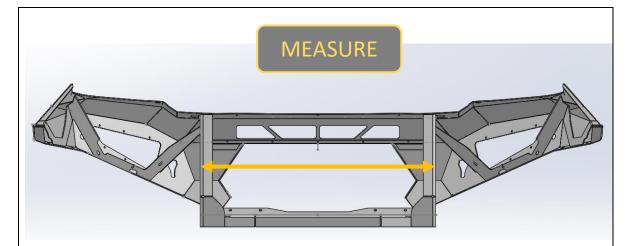
**Per Side** 



62. Re fit the upper grille section to the vehicle, re using the factory clips and screw.

**TOOLS REQUIRED**Phillips Screwdriver

**FASTENERS**Re Use Factory





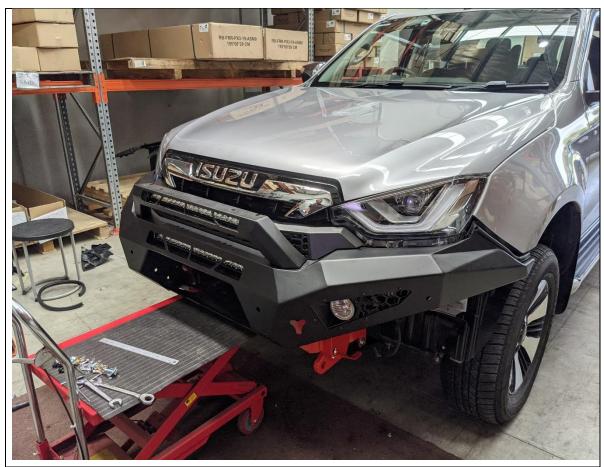
63. Measure distance between bullbar uprights with tape measure. Note down this distance

Distance = \_\_\_\_\_

- 64. Measure and adjust the distance between the mounts on the vehicle to be 2-5mm greater than the distance measured.
- 65. Tighten all bolts securing impact assembly and tow point, and re check distance. Re adjust as required to achieve correct distance.

#### **TOOLS REQUIRED**

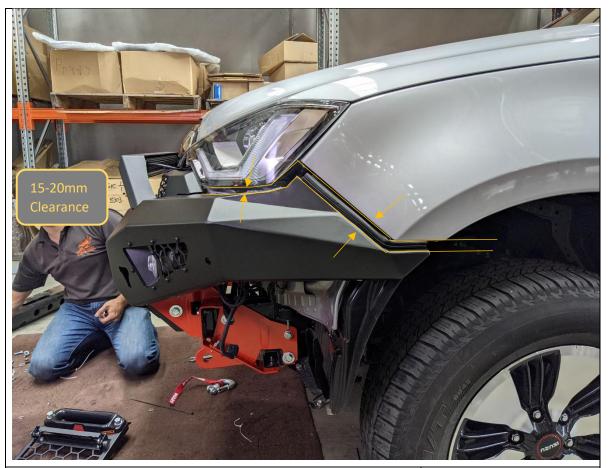
13mm Socket 14mm Socket 16mm Socket



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

TOOLS REQUIRED

Lift Trolley



- 67. Secure bar to mount with 4x M12x30 Bolts, heavy duty washers and 3x M12 Nyloc and 1x M12 flange nut per side. Finger tight at this stage.
- 68. 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. When happy, tighten the bolts with the flange nut to lock the bar in position.

Acceptable range of clearances shown in image above. Ensure clearances are maintained all the way through below the headlight.

69. 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



- 70. If fitting a winch, do so now.
- 71. The bar is designed to fit most low mount winches, in foot down configuration. WARN ZEON 10 is largest winch confirmed to fit.
- 72. 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.

Refer to winch Instructions

#### **FASTENERS**

Refer to Winch instruction.



- 73. Prepare the center mesh panel for fitment.
- 74. 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.
- 75. Fit number plate flip kit to fairlead mount, using fasteners supplied in kit.

Depends on winch supplied fasteners



- 76. 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.
- 77. Tighten fasteners using 13mm socket / spanner and 5mm Allen Wrench.

13mm Spanner
5mm Allen Wrench

#### **FASTENERS**

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

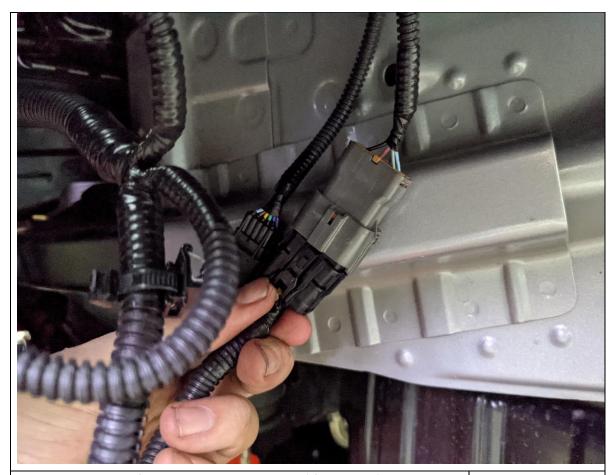


- 78. Fit Mesh Infill Panels (M-0008L/R). Secure with M8x16 button head bolt and M8 flat washer into the threaded insert in bar for top mount. The flange of the infill panel should sit on the inside of the bar.
- 79. Don't fit any bolts to bottom holes at this stage.
- 80. Tighten top fasteners using 5mm Allen Wrench.

## TOOLS REQUIRED 5mm Allen Wrench

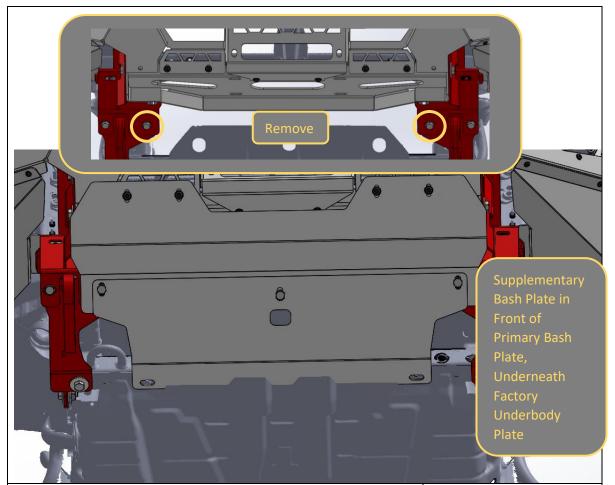
#### **FASTENERS**

2x M8x16 Button Head 2x M8 Flange Nut



81. Re-connect fog light and parking sensor (if equipped) wiring connectors.

**TOOLS REQUIRED** 

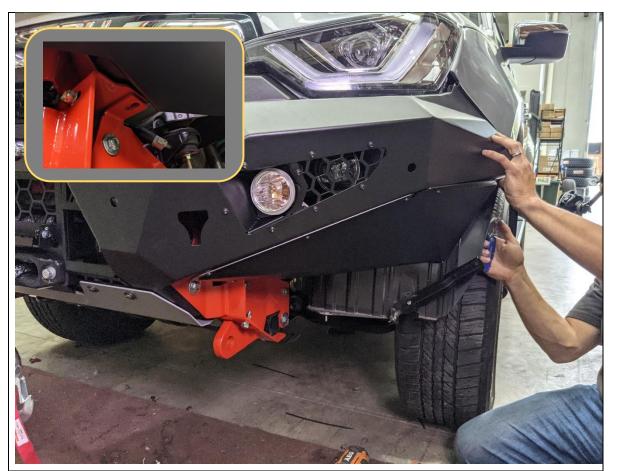


- 82. Before fitting bash plates, remove the M10x30 Bolts on the inside of the tow point / impact assembly joint.
- 83. Fit Center Bash Plate using M8x20 button head, flat washer and flange nut to front face. Ensure these fasteners pass through the side mesh panels.
- 84. Secure the Supplementary and back of Center Bash Plate using M10x30 hex head, flat washers and M10 flange nut removed in previous step, through the tow point / impact assembly parts.
- 85. Secure bottom of Supplementary bash plate to the factory bolt points, using factory fasteners. Refit the factory underbody on top of the supplementary bash plate.
- 86. Tighten All Bottom fasteners using 16/17mm spanner & socket
- 87. Tighten front fasteners using 13mm socket / spanner and 5mm Allen Wrench. Reach through access hole in mesh panel to reach nut.

16/17mm Spanner 16/17mm Socket 5mm Allen Key 13mm spanner

#### **FASTENERS**

4x M8x20 Button Head 4x M8 Flange Nut 4x M8 Flat Washer



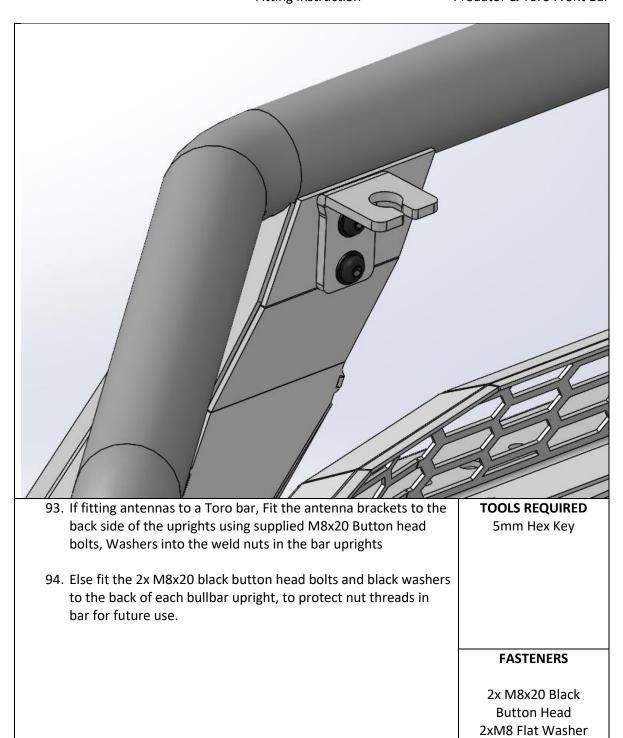
- 88. Remove the outside top bolts from impact assembly/tow point.
- 89. Fit the side under panels by first sitting the bottom mount on top of the impact assembly, then inserting the 5x M6x16 bolts into the cage nuts fitted earlier
- 90. Tighten with 4mm Allen wrench
- 91. Secure bottom of side under panel to mount using bolt removed from joint earlier.
- 92. Tighten with 16/17mm spanner / socket

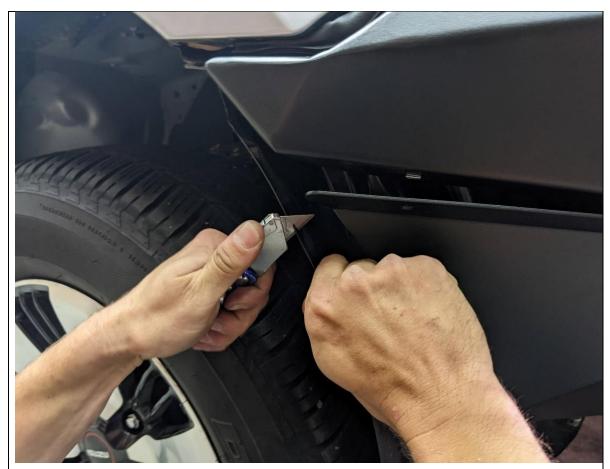
16/17mm Spanner 5mm Allen Wrench 4mm Allen Wrench

#### **FASTENERS**

10x M6x16 Button Head 10x M6 Flat Washer

Per Side





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

## TOOLS REQUIRED Utility Knife



- 98. Re-check that all fasteners are tight.
- 99. Re-tit number plate to number plate flip.
- 100. You're done. Hit the tracks and enjoy your newly protected D-MAX!