Nissan Navara NP300

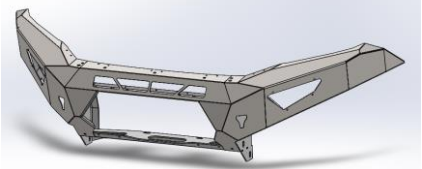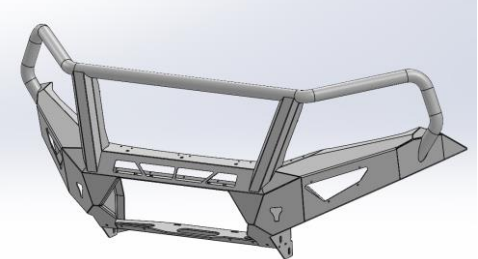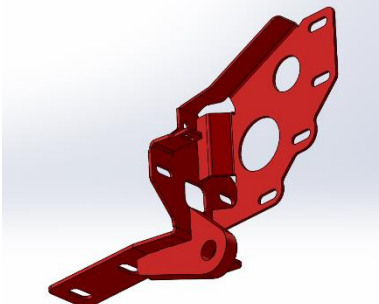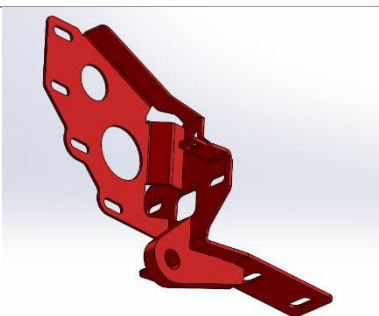## 2015– Current

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 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

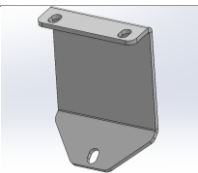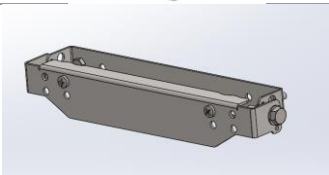**IMPORTANT:** Check all parts are present before beginning work! Contact OFFROAD ANIMAL if something is missing.

Main Parts – In the Box

Qty	Part Number	Description	Image
1	FB-NNV-NP3-21-PR-ASM1	NP300 MY21 WELDMENT	
		OR	
1	FB-NNV-NP3-21-TOR-ASM1	NP300 MY21 TORO WELDMENT	
1	FB-NNV-NP3-15-PR-ASM1R	NP300 Mount RH	
1	FB-NNV-NP3-15-PR-ASM1L	NP300 Mount LH	

1	U-0027	NP300 Centre skid	
1	U-0028	NP-300 Centre skid Secondary	
1	U-0026L	NP300 Predator side under panel LH	
1	U-0026R	NP300 Predator side under panel RH	
1	M-0023	Navara NP300 2021+ Center Mesh Panel	
1	M-0015L	DMax Predator Side Mesh	
1	M-0015R	DMax Predator Side Mesh	
1	B-0397R	NP300 Chassis Brace RH	

1	B-0397L	NP300 Chassis Brace LH	
1	B-0549	Navara NP300 Series 5 Radar Bracket	
1	B-0550	Navara NP300 2021+ Plastic Radar Cover	
1	B-0636R	Navara NP300 - MY21 Grille Support Bracket	
1	B-0636L	Navara NP300 - MY21 Grille Support Bracket	
1	B-0583L	NP300 Navara 21+ Predator Fog Light Bracket	
1	B-0583R	NP300 Navara 21+ Predator Fog Light Bracket	
1	M-0002L	Light Cover Mesh	
1	M-0002R	Light Cover Mesh	

1	B-0585	NP300 Navara 21+ Predator Center Gusset Brace	
1	NPF-COM-SM-ASM0	Number plate flip asm Small	

MY15-20 Models Extra Parts

Qty	Part Number	Description	Image
1	B-0548	Navara NP300 2021+ MY15-20 Infill Panel	
1	P-0178	Navara NP300 15-20 Infill Panel Mounting Plate	
1	B-0416L	Navara NP300 Fog Light Bracket 15-20	
1	B-0416R	Navara NP300 Fog Light Bracket 15-20	

15-20 Models – Extra Bolts

Qty	Part Number	Description
20	M6 FLANGE NUT	Flange Nut, M6x1 G8.8 ZP
20	M6 FLAT WASHER BLACK ZINC	M6 Flat Washer, 12x6.1x1, ISO4042 ZnNi BLACK PASSIVATED FINISH
20	M6x16 BHCS BLACK ZINC	SCREW, BUTTON HEAD CAP, M6X16X1 GR12.9, ISO4042 ZnNi BLACK PASSIVATED FINISH

Small Parts – Contained in Small Parts Kit Bag

Qty	Part Number	Description
8	M12X30	Bolt Hex, M12X30x1.75, GR8.8 ZP
16	M12 FW LHD	M12 FW Large Heavy Duty
6	M12 Nyloc nut	M12 NYLOC NUT
2	M12 FLANGE NUT	Flange Nut, M12x1.75 G8.8 ZP
32	M6x16 BHCS BLACK ZINC	SCREW, BUTTON HEAD CAP, M6X16X1 GR12.9 BLACK ZP
26	M6 FLANGE NUT	Flange Nut, M6x1 G8.8 ZP
32	M6 FLAT WASHER BLACK ZINC	M6 FW BLACK ZP
8	M6CN3MM	CAGE NUT M6x2.6-3.5
4	M10 x 30	Bolt Hex, M10X30x[1.5], GR8.8 ZP
7	M10 Flat Washer	M10 FW
7	M10 FLANGE NUT	Flange Nut, M10x1.5 G8.8 ZP
3	M10 X 40	Bolt Hex, M10X40X1.5, GR8.8 ZP
2	M12X40	Bolt Hex, M12X40X1.75, GR8.8 ZP
2	NP-COM-M12-300-ASM0	M12 NUT PLATE 300MM STEM
16	M8 FLANGE NUT	Flange Nut, M 8x1.25 G8.8 ZP
16	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
4	M8 X 30 BHCS BLACK ZINC	SCREW, BUTTON HEAD CAP, M8X30X1.25 BLACK ZP
2	M8 X 25 HEX	Bolt Hex, M8X25x1.25, GR8.8 ZP
4	M4X12 PAN	SCREW, PAN HEAD PHILLIPS, M4X12X0.7 GR4.6 ZP
4	M4 FLANGE NUT	Flange Nut, M4
6	M8 X 20 HEX	Bolt Hex, M8X20x1.25, GR8.8 ZP
2	M6 FLAT WASHER	M6 FW
2	M6 X 20 HEX	M6X20 HEX BOLT, ZP, 8.8

Toro Bars ONLY – In addition to above

Qty	Part Number	Description
2	B-0523	Toro Antenna Bracket - 90 Degree
4	M8 X 20 BHCS BZP	SCREW, BUTTON HEAD CAP, M8X20X1.25 GR12.9 BLACK ZP
4	M8 FLAT WASHER- BLACK ZINC	M8 FW- BLACK ZINC

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 Hex (Allen) Key Set 4-6mm Trim Puller Tool OR Flat Blade Screwdriver set Phillips Head Screwdriver set Utility Knife Side Cutters Pliers		Panel Stand or Soft Blanket Cable Ties

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.

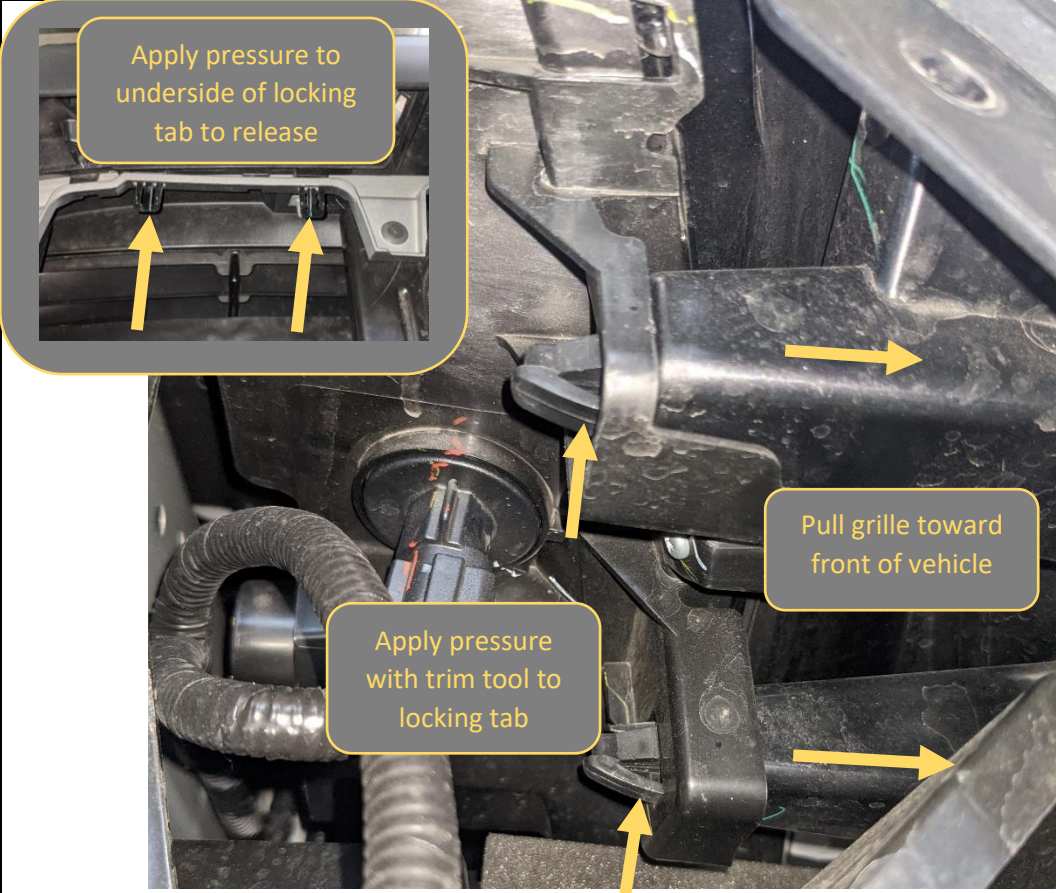| 1. Unpack everything and make sure everything is present	TOOLS REQUIRED
	FASTENERS

	TOOLS REQUIRED
2. Open bonnet and remove clips Securing top radiator cover panel.	
	Flat head screwdriver or Trim Tool
3. Release the clips by levering up the center section of clip with flat screwdriver or trim tool. Once center section released, pull out clip to remove	
4. For models equipped with front camera under badge, reach down and disconnect harness.	**FASTENERS**
	Retain for Refitment

Apply pressure to underside of locking tab to release

Pull grille toward front of vehicle

Apply pressure with trim tool to locking tab

5. Remove Grille from vehicle. To release grille clips on side, securing grille to vehicle, and clips along the bottom, securing the grille to the bumper need to be released. 6. To release side clips (Shown main image) Apply pressure to locking tab using a trim tool, whilst pulling forward. These clips can provide a lot of resistance. Take care to avoid damage to the receiving tabs, which are a part of the headlight housing. 7. To release bottom clips, apply upward pressure to the locking tabs, using either trim tool, or by hand.	**TOOLS REQUIRED** **Trim tool / Flat screwdriver**
	FASTENERS

8. Remove Plastic lower valance panel by removing all the 10mm head bolts securing it to bottom of bumper.	**TOOLS REQUIRED** Small flat blade screwdriver, 10mm socket or spanner
9. Remove the factory lower "Bash Plate" by removing the 4x 10mm head bolts securing it. 2x are visible in above image and 2x are hidden behind the plastic valance.	
10. Remove all the 10mm head bolts securing bottom of bumper (under valance)	**FASTENERS** Discard

	TOOLS REQUIRED
11. Remove Torx head screw securing inner guard liner to bumper.	T20 Torx Bit
	10mm socket or spanner
12. Once removed, peel back guard liner to access 10mm head screw securing bumper to front guard. Remove using 10mm socket or spanner	
	FASTENERS

	TOOLS REQUIRED
13. Remove the scrivets securing the bumper to the center cross member. 14. First unscrew the center section of scrivet with Phillips head screwdriver. Then lever out with trim tool.	Phillips head screwdriver Trim tool
	FASTENERS

	TOOLS REQUIRED
15. Pull bumper away from panel, starting in the wheel arch as shown. 16. Release clips gradually working across towards center of vehicle, alternating both sides until all clips are released. 17. Disconnect fog lamp wiring.	
	FASTENERS
18. Remove bumper from vehicle and set aside.	

	TOOLS REQUIRED
19. Remove white bumper retainers from each side of the vehicle.	10mm socket Flat head screwdriver
20. First remove the 10mm head screws securing, then lever off the car, releasing the clips from behind the panel with flat head screwdriver.	
	FASTENERS Factory 10mm head bolts Discard
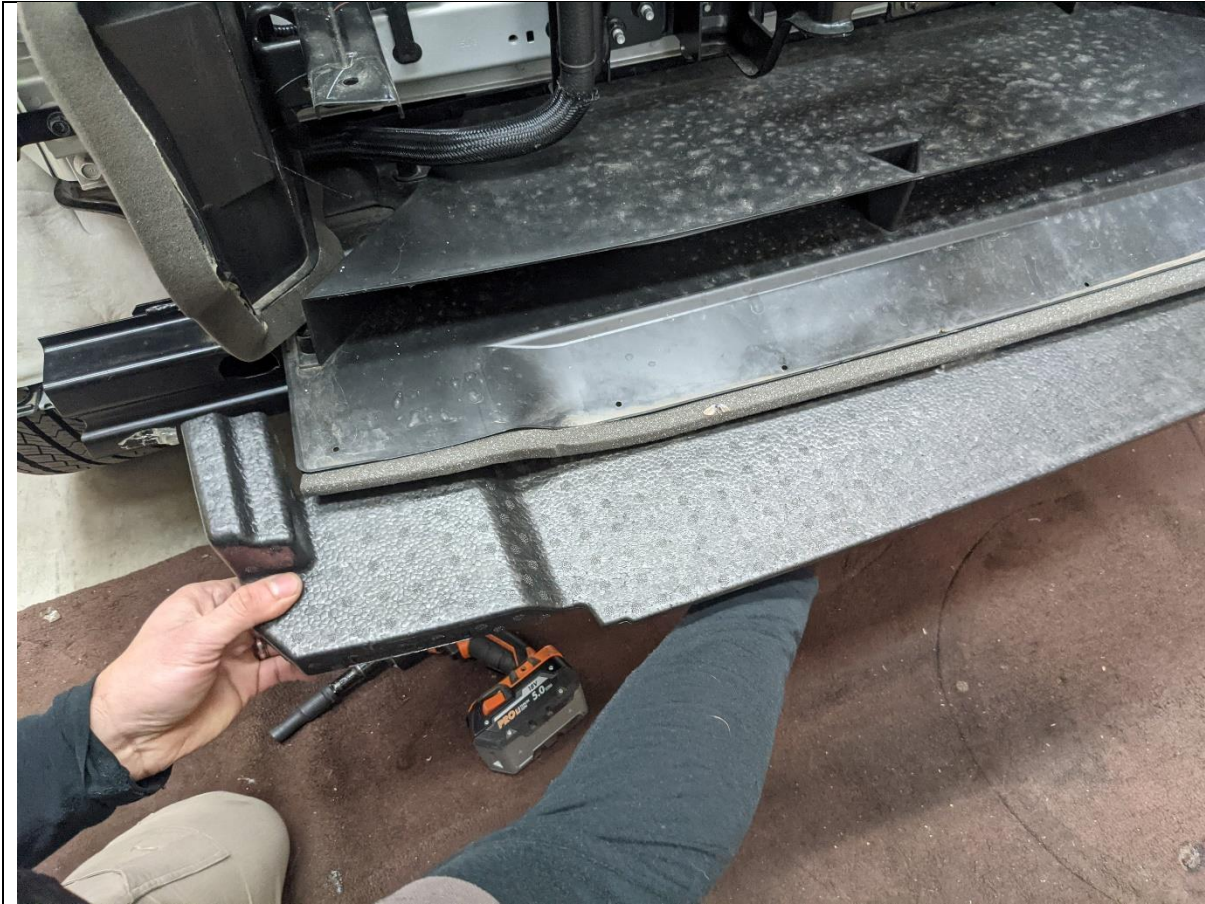
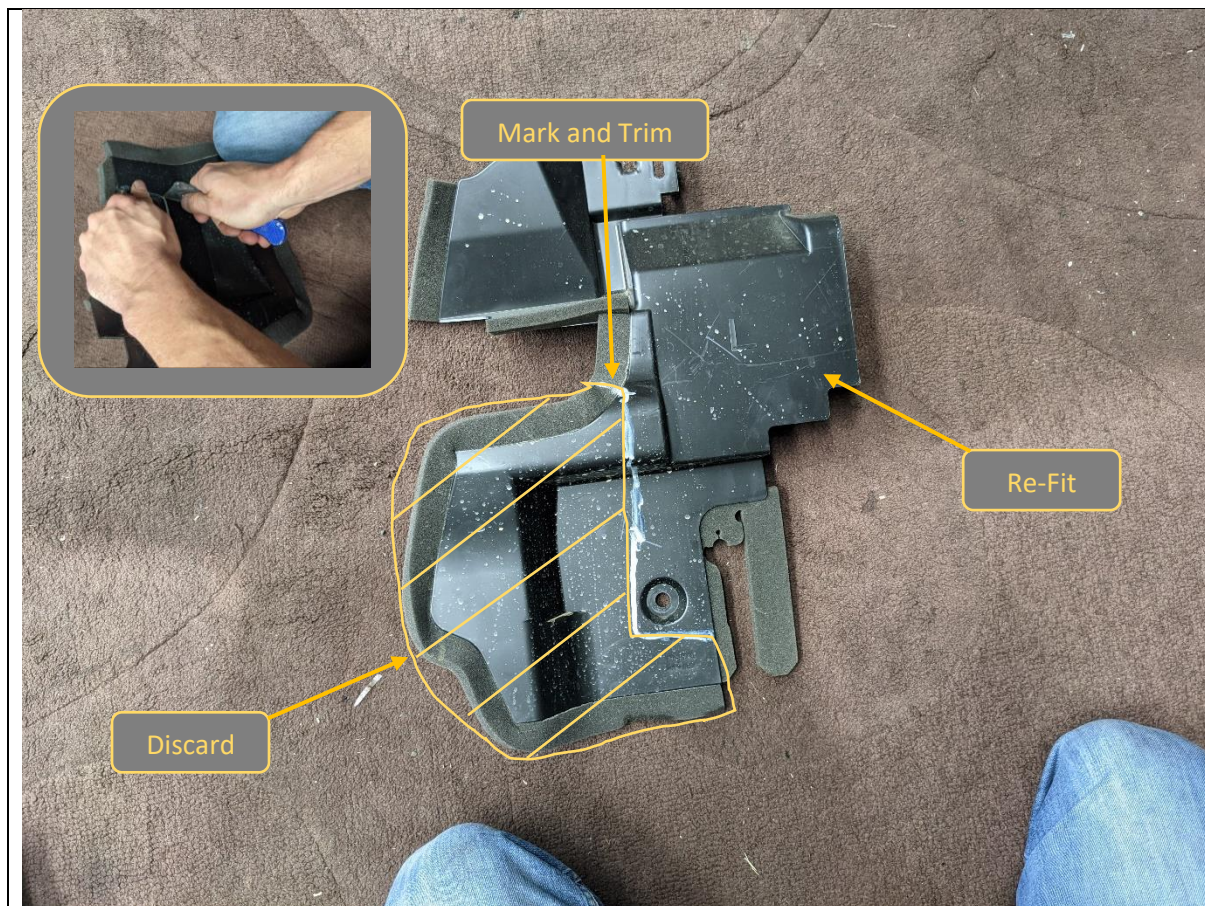| 21. Remove and discard foam impact absorber from the front of the impact beam. Just pull off. | **TOOLS REQUIRED** |
| | **FASTENERS**
. |

Second clip on other side at top

| 22. Remove and retain upper air guides. These are secured with 2x clips. These will be modified and refitted. | **TOOLS REQUIRED**

Trim Tool |
| | **FASTENERS**
2x Factory Clips – Retain for Refitment |

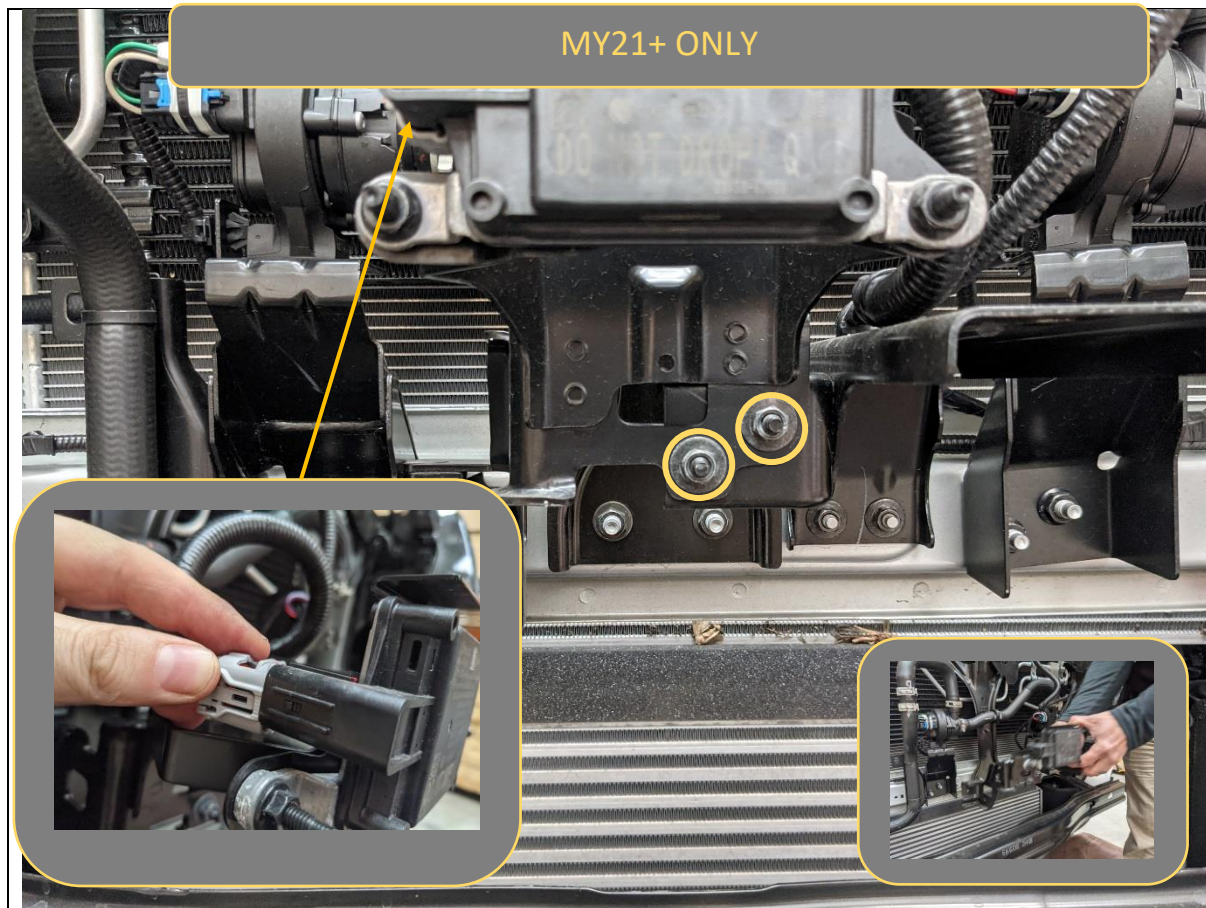|	TOOLS REQUIRED
23. Mark cut line as shown in above image on the air guides. Mark should extend from narrowest point, down around lower mounting point. 24. Cut along line marked with sharp utility knife. 25. Complete for both sides of vehicle. 26. Re-fit air guides to original mounting points using factory clips	Paint pen Utility Knife
	FASTENERS 2x Factory Clips
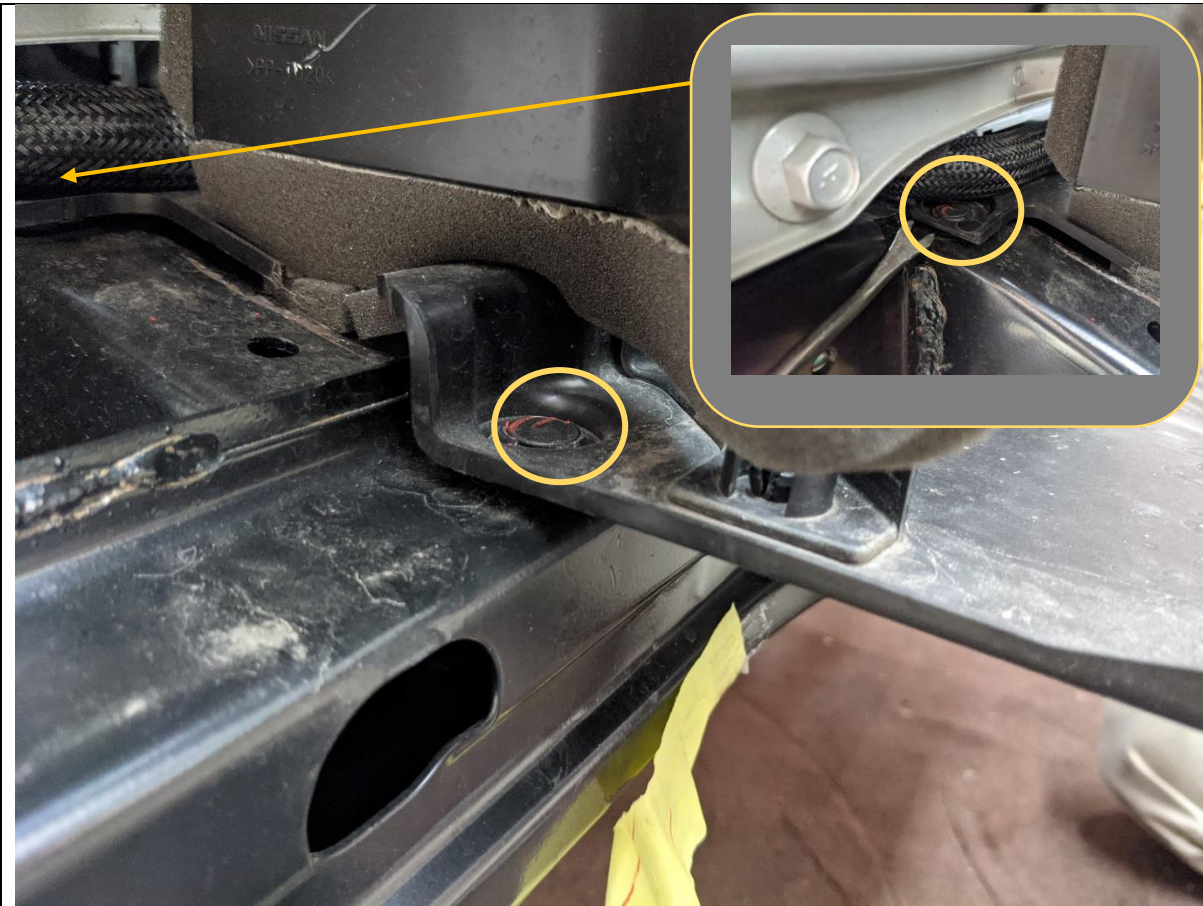
| 27. Remove lower air guide by removing 4 clips; 2 front (Main Image) and 2 rear (Inset image). | **TOOLS REQUIRED**
Flat head screwdriver or
Trim tool |
| | **FASTENERS**

Discard |

MY21+ ONLY

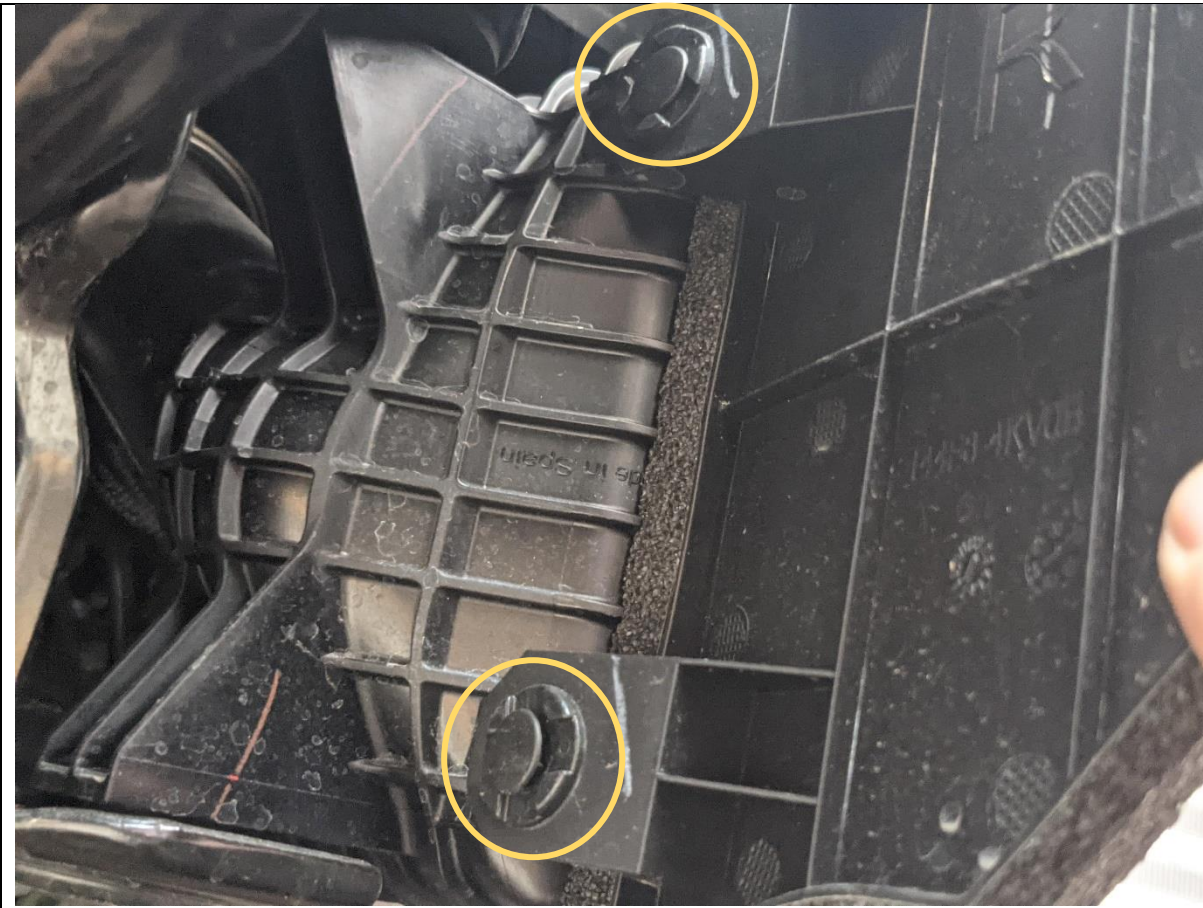|	TOOLS REQUIRED
28. Disconnect wiring harness from the front radar sensor. 29. With care, remove the 2x 10mm nuts securing the front radar assembly to the bracketry on the vehicle. Remove the assembly and set aside in safe place.	10mm Socket / Spanner
	FASTENERS

| 30. Remove all 4 bolts securing crash beam, then remove the impact beam.	**TOOLS REQUIRED** 17mm Socket
	FASTENERS Retain for re-fitment to mounts.

| 31. Remove the lower intercooler air guides by removing the 2x clips (each side) that secure them to the intercooler housing. | **TOOLS REQUIRED** Flat head screwdriver or trim tool |
| | **FASTENERS** Discard |

Factory Bolts

17mm head,
Retain for Mount
Fitment
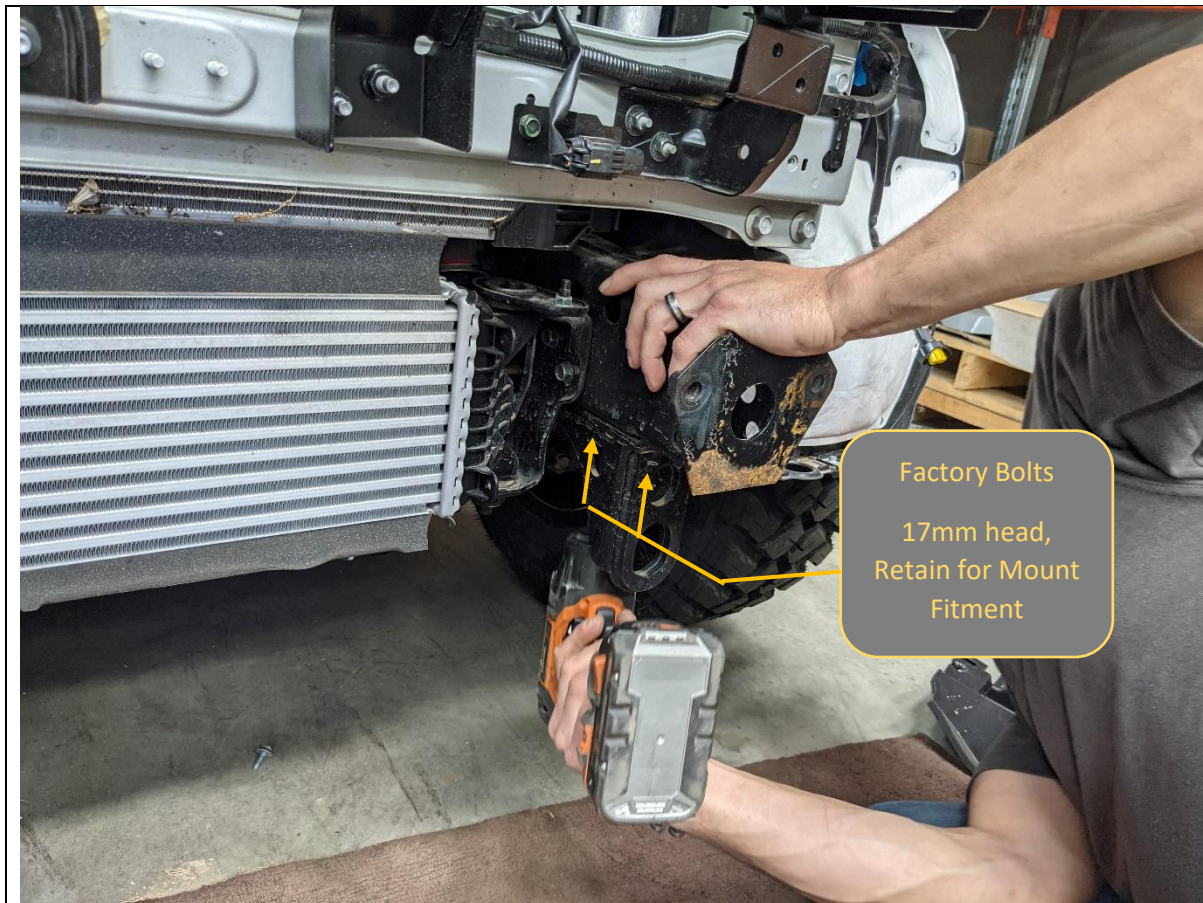
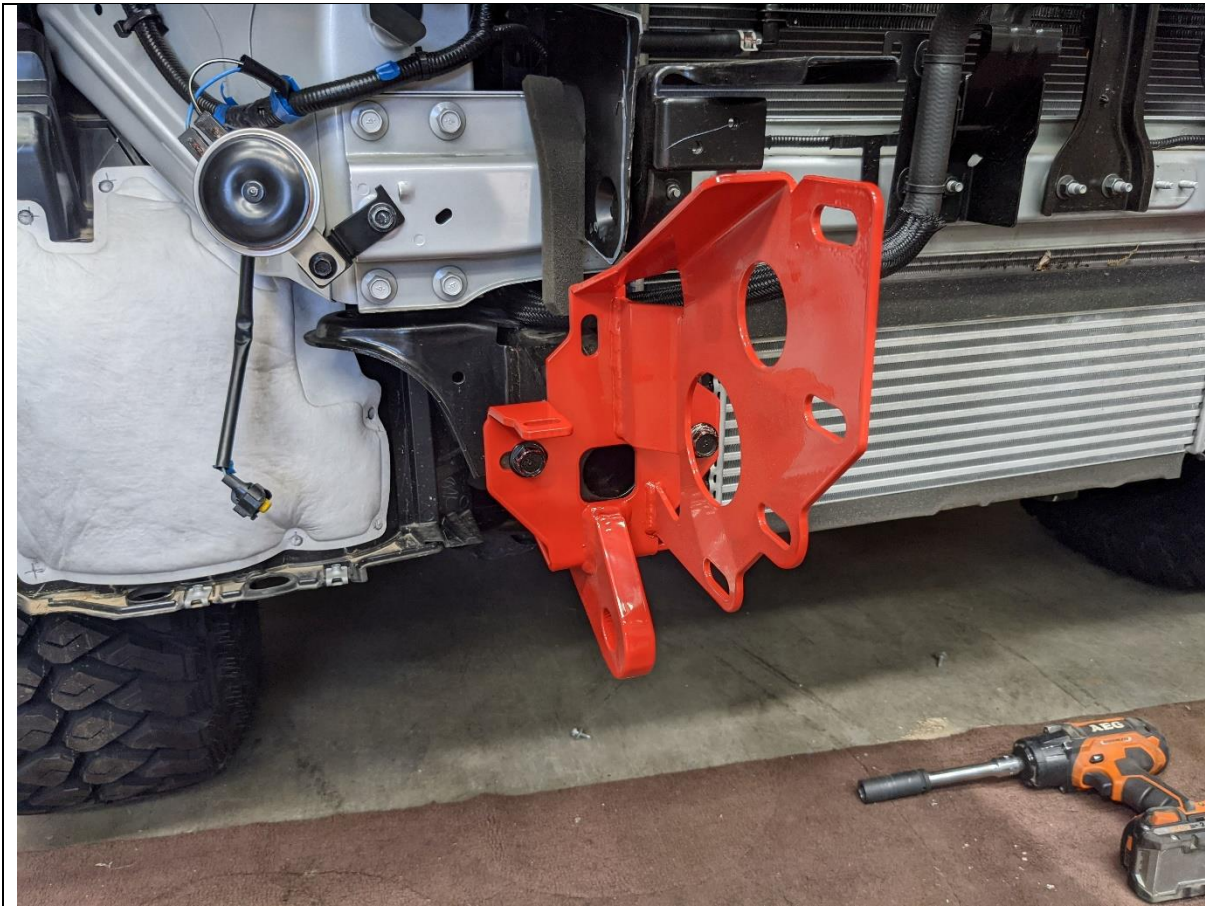|	TOOLS REQUIRED
32. Remove factory tie down point from the LHS chassis rail. Retain the 17mm head factory bolts for re-fitment to bulbar mounts. 33. Discard factory tie down point.	17mm socket/spanner
	FASTENERS 17mm head Factory bolts

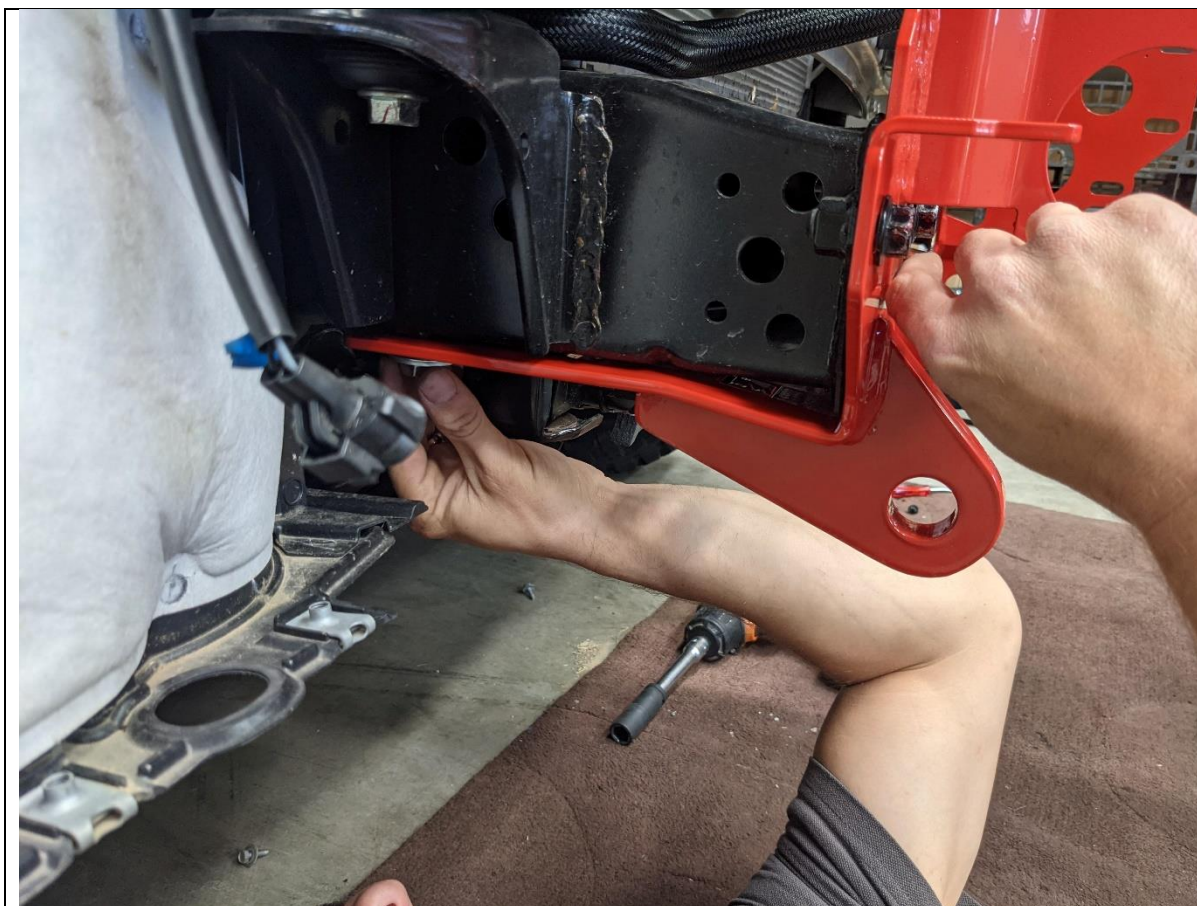|	TOOLS REQUIRED
34. Fit mounts to end of chassis rails as shown, using retained factory 17mm head bolts on front face. 35. Leave all bolts loose on mounts at this stage.	17mm socket/spanner
	FASTENERS Factory bolts

| 36. On LHS secure bottom of mount to nuts in chassis rail using 17mm head factory bolts removed from tie down point.	**TOOLS REQUIRED** **17mm socket / spanner**
	FASTENERS 2x Factory 17mm head bolts

| 37. On RHS, secure mount to bottom of chassis rail using M12x30 Hex bolts, Flat washers and M12 Nut Plates inserted through front of chassis rail. | **TOOLS REQUIRED** |
| | **FASTENERS**

Factory bolts |
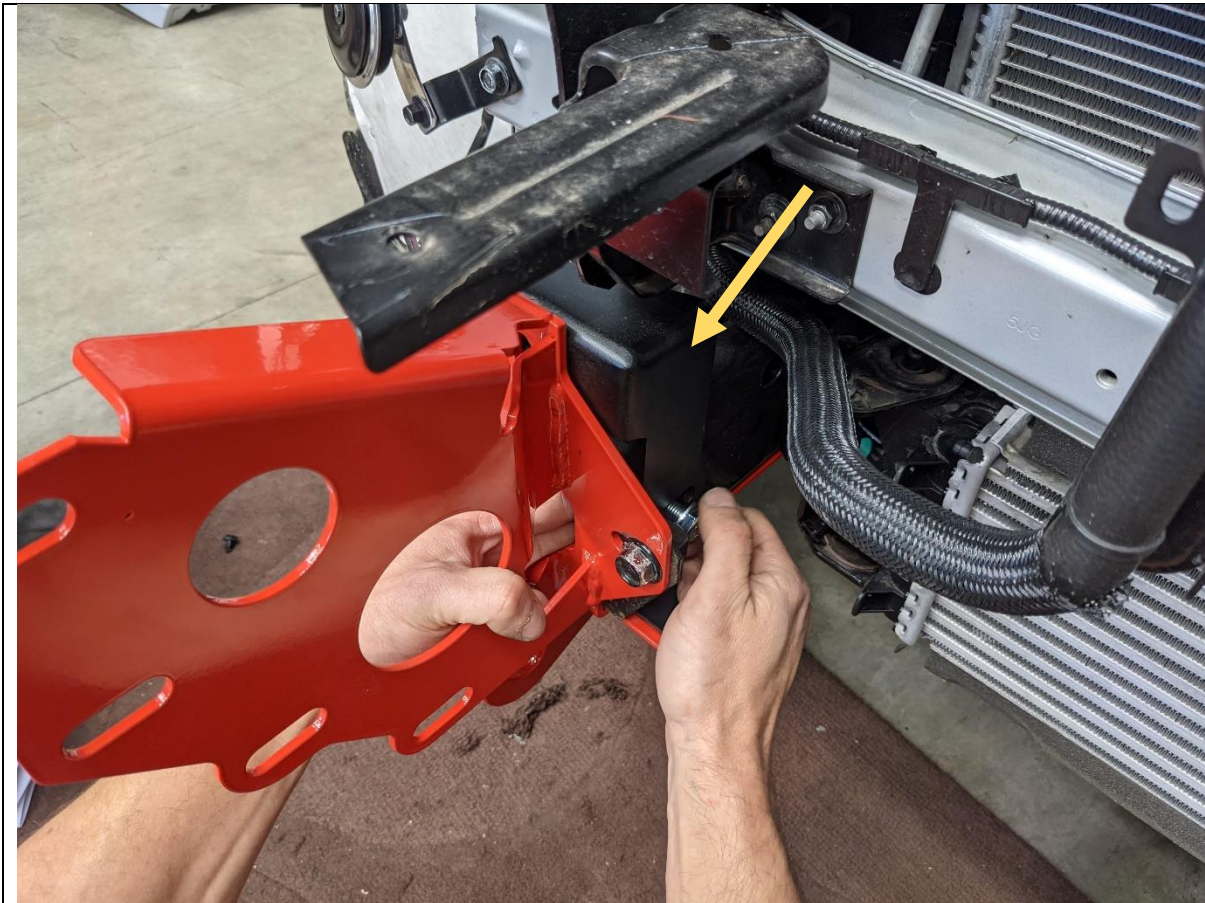
38. Fit Chassis brace between chassis rail and mount as shown	**TOOLS REQUIRED**
	16/17mm Socket / Spanner
39. Secure to chassis rail using M10x 30 Hex bolt, flat washer, and flange nut, held through opening on front of mount.	
40. Secure to bulbar Mount at top using M10x 30 Hex bolt, flat washer, and flange nut	
	FASTENERS
41. Leave bottom slots open at this stage	M10x30 (4)
	M10 FW (4)
42. Repeat for other side	M10 FN (4)

43. Fit cage nuts to bull bar by squeezing them in from above or using a flat head screwdriver to push them in	**TOOLS REQUIRED** Flat head screw driver
	FASTENERS M6 Cage nuts (8)

| 44. Remove fog lights from bumper by removing the 4x Phillips head screws securing them.	TOOLS REQUIRED Phillips head screwdriver
	FASTENERS

45. Fit fog lights from supplied fog light brackets using supplied M6x16 Black button head screws, Flat washers and Flange nuts.	**TOOLS REQUIRED** 4mm Hex key 13mm Spanner
46. Fit Fog lights in bracket to the Mesh light cover panels, using M8x20 Hex Bolts, Flat washer and flange nuts.	
47. If desired alternative lights can be fitted to the light mesh panel instead of fog lights, including short light bar or cube type work lights.	**FASTENERS**

48. Fit Mesh light covers to the bar, using supplied M6x16 Black button head screws, Flat washers, and Flange nuts.	**TOOLS REQUIRED** 4mm Hex key
	FASTENERS
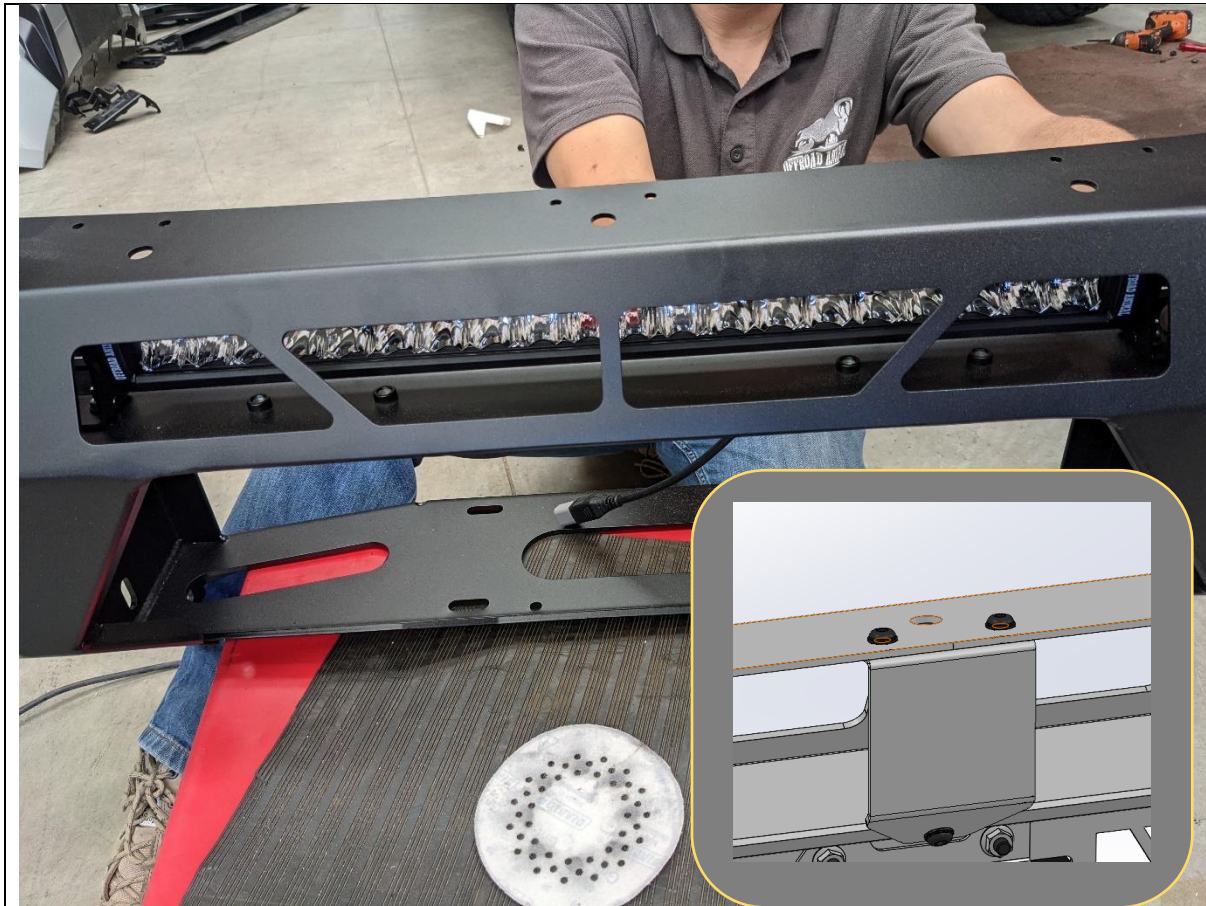
|	
49. If Fitting an integrated light bar, do so now.	**TOOLS REQUIRED** 13mm Spanner
50. The bar is designed to fit an Offroad Animal 22in or STEDI ST3K 21.5 inch light bar. If fitting this light bar, assemble bar with legs outward, and it will line up with the slots in the center gusset. Secure with Fasteners supplied with the light bar.	
51. The bar can accommodate most other "20 inch" size light bars.	**FASTENERS** Supplied with Light bar
52. If fitting driving lights to the bar this is also the most convenient time to do so	
53. Fit the Pan Brace to the back side of the bar, between the gusset and pan, using fasteners supplied.	
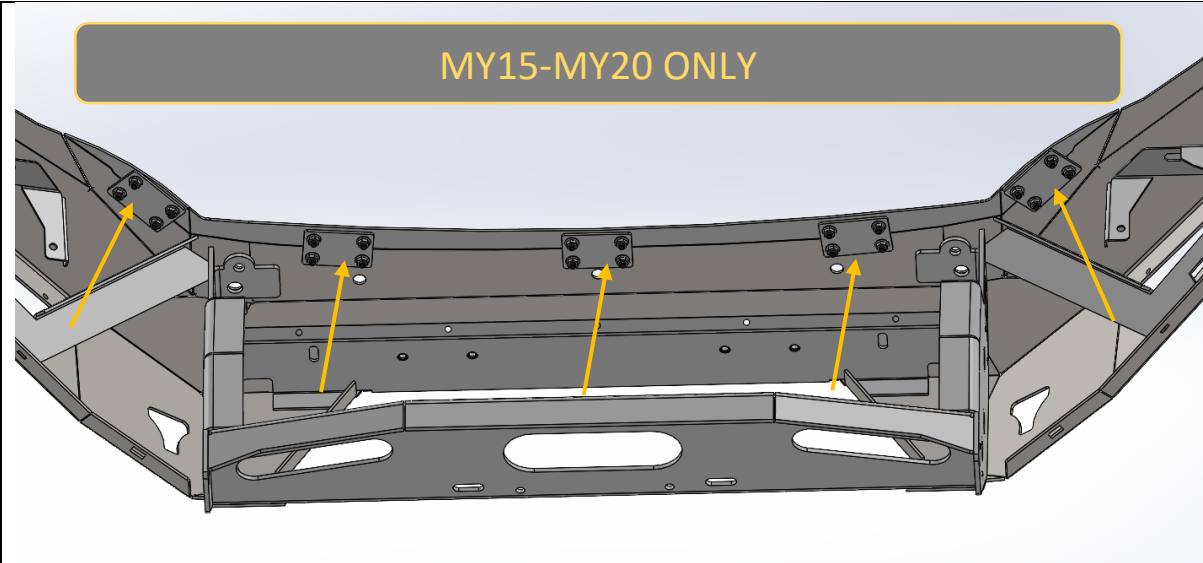
MY15-MY20 ONLY

54. Fit the Infill panel to the back top edge of the bar, using the suppled M6x16 Back Button head Screws, Flat washers and Flange nuts.	**TOOLS REQUIRED** 4mm Hex key 10mm spanner/socket
	FASTENERS 20x M6x16 Black Button Head 20x M6 Flange Nut 20x M6 Flat Washer

Torx Screw
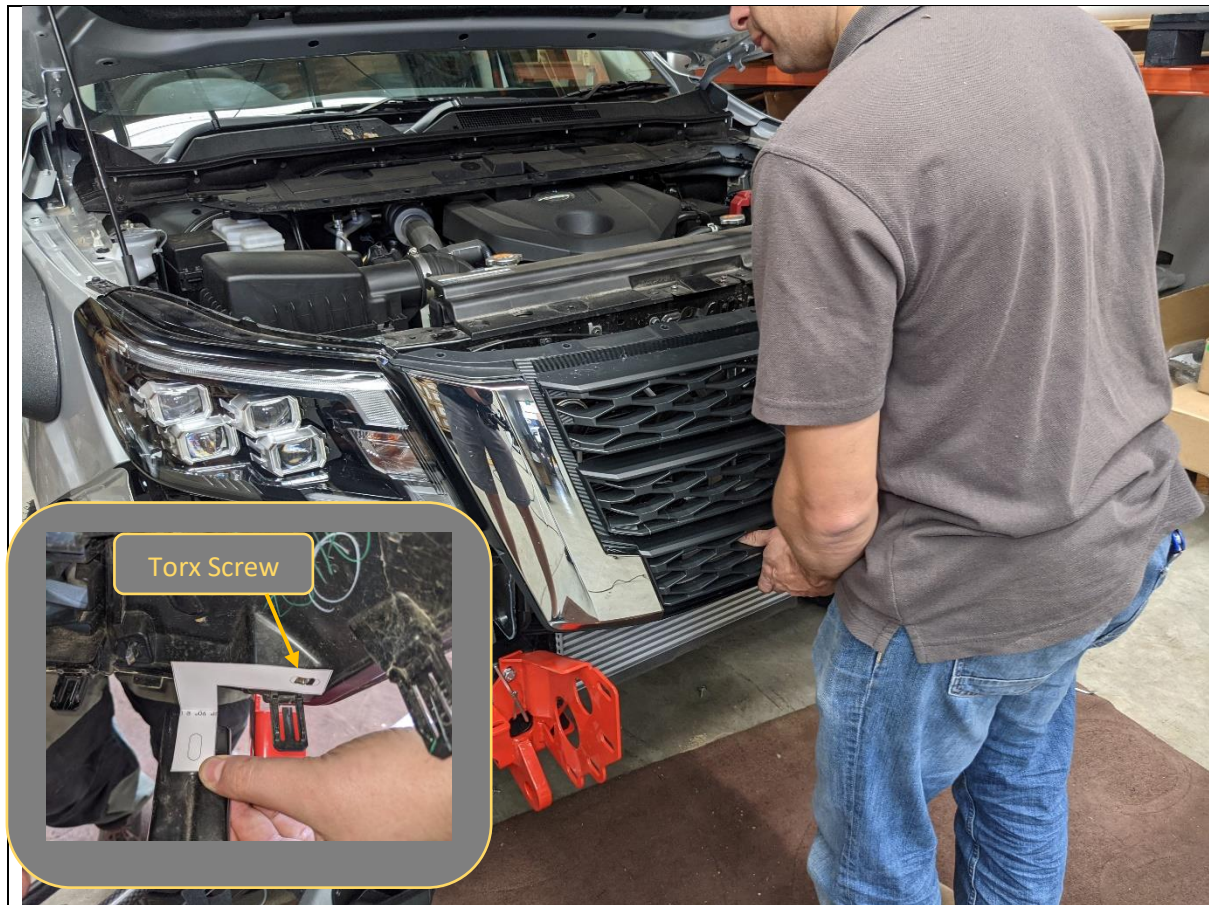
55. Fit grille brace brackets to grille using existing torx head screw on bottom of grille.	**TOOLS REQUIRED** Torx Screwdriver 10mm spanner/socket
56. Refit Grille to vehicle. Ensure grille is seated in all side clips.	
57. Secure grille brace bracket to bumper support brackets on vehicle using supplied M6x20 Hex bolt, Flat washer and Flange nut	**FASTENERS** 2x M6x20 Hex Bolt 2x M6 Flange Nut 2x M6 Flat Washer
58. Refit camera harness to camera, if equipped.	
59. Re fit plastic top grille cover, using original factory clips	
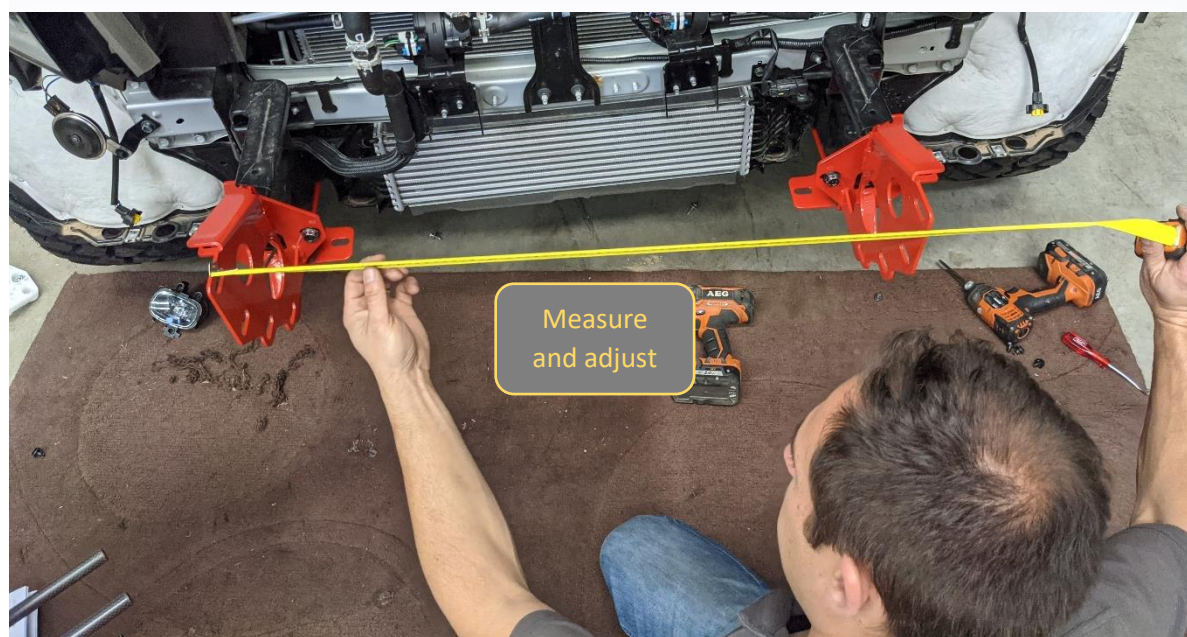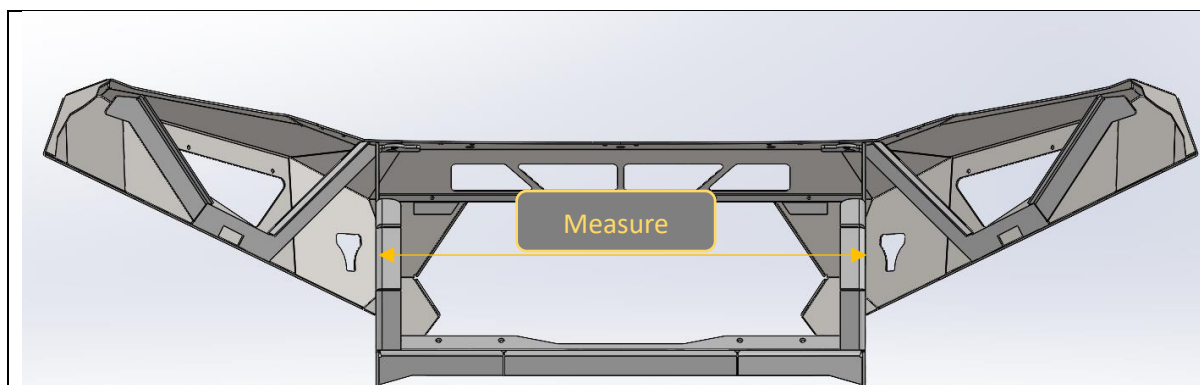
	TOOLS REQUIRED
60. Measure the distance between the uprights on the bar.	17mm socket
	16mm spanner / socket
61. Adjust mounts to have 2-5mm greater distance between than distance measured on bar.	Tape measure
62. Ensure the mounts are centered on the car.	
63. Once in position tighten all mount bolts. This may cause the mounts to move slightly so check and adjust as necessary.	**FASTENERS**

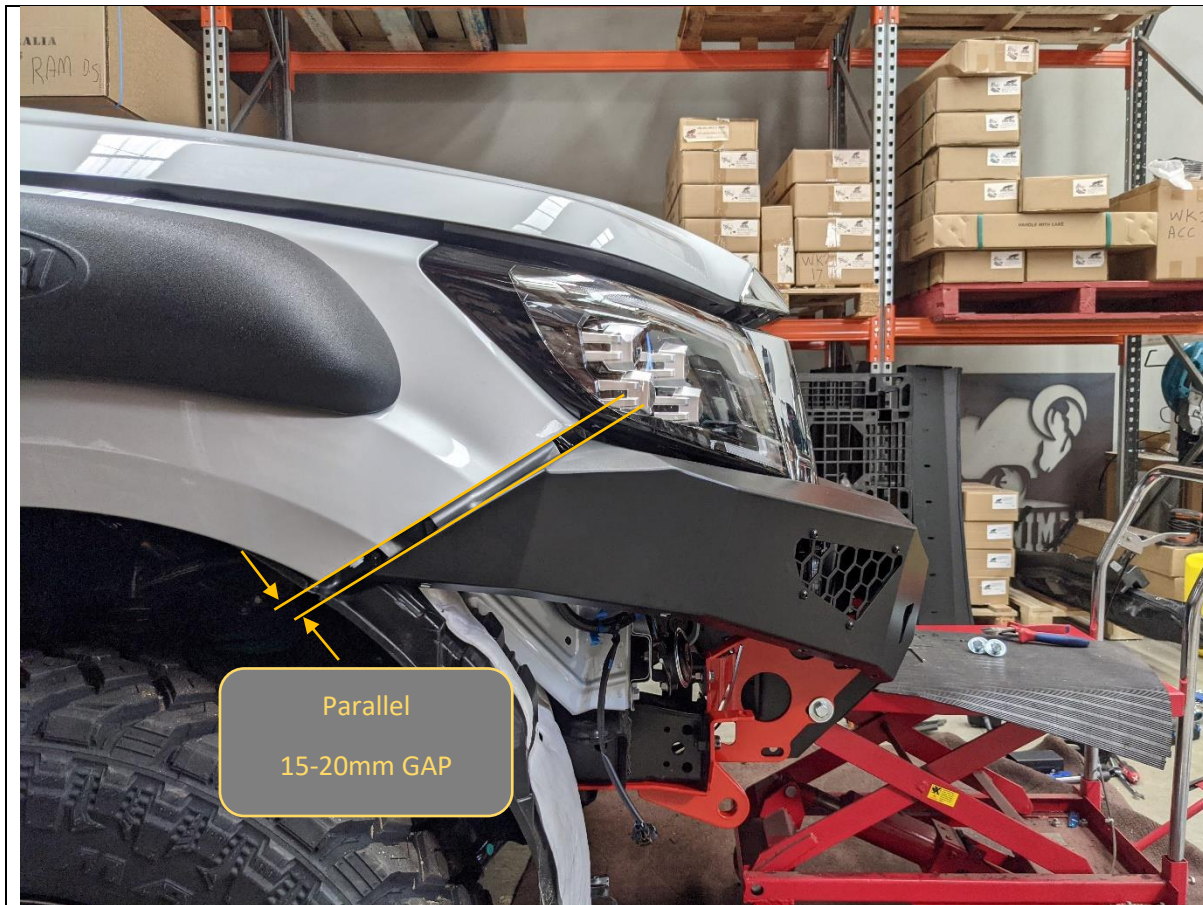|	TOOLS REQUIRED
64. With the aid of a lifting table or a friend, lift bar onto vehicle	Lifter Trolley
65. Secure bar to mounts using 2x M12x30 Hex Bolts, Large washers, and Flange nuts per side. Leave loose at this stage	
	FASTENERS
	2x M12x30 Hex Bolts 2x M12 Large Washer 2xM12 Flange nut
	Per side

	TOOLS REQUIRED
66. Adjust position of bar such that it sits parallel to the guard line with 15-20mm gap, to allow for body movement on rubber body mounts during driving. 67. Once happy with positioning lock in position by tightening the 4x M12 bolts securing bar to mounts	18mm Socket / Spanner
	FASTENERS

68. Insert remaining M12x30 bolts, Large Flat washers and Nyloc nuts through mounts into chassis to secure bar. 69. Tighten all bar to mount bolts using 18mm/19mm socket	**TOOLS REQUIRED** 18mm and 19mm socket
	FASTENERS M12 x 30 (4) M12 FW(14) M12 FN (2) M12 Nyloc (6)

	TOOLS REQUIRED
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.	Refer to Winch instructions
72. The control box should be mounted on top of the winch. Winches usually come with a bracket to allow this. Refer to winch manufacturer.	**FASTENERS** Supplied with winch

MY21+ ONLY

73. Remove the radar sensor module from the factory bracket, by removing the 3x 10mm head nuts securing it to the studs. 74. Fit the Radar module to the bracket supplied using M6x16 Black Button head bolts, Flat washers and Flange Nuts,	**TOOLS REQUIRED** 10mm Socket / Spanner 4mm Hex
	FASTENERS M6x16 BHCS (3) M6 washers (3) M6 flange nuts (3)

	TOOLS REQUIRED
75. Fit the plastic radar cover over the radar module. It should sit on the inside of the radar bracket.	Phillips head screwdriver
76. Secure the radar cover to the radar bracket using supplied M4x12 Screws, Washers and flange nuts.	
77. Even if fitting to non-radar equipped car you can do this to fill the gap in the center mesh panel	
	FASTENERS M4x12 PH Screws (4) M4 washers (4) M4 flange nuts (4)

78. Prepare the Center mesh panel for fitment.

79. Fit the radar bracket, with module mounted to the fairlead mount mesh using supplied M6x16 Black button head screws, washers and

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

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

TOOLS REQUIRED
5mm Hex Key
4mm Hex Key
18mm Socket / Spanner

FASTENERS
M6x16 BHCS (4)
M6 washers (4)
M6 flange nuts (4)

Radar Sensor Harness

Instructions	TOOLS REQUIRED
82. Pre-Position radar sensor harness to front of opening. Reconnect the harness to the sensor as the center fairlead panel is offered up to the bar. 83. Fit the Mesh Fairlead Mount to the center of the bar, using M8x16 Button head (Top), M8x20 hex (Bottom) M8 Flat washers and M8 Flange Nuts. 84. Tighten fasteners using 13mm socket / spanner and 5mm Allen Wrench.	**TOOLS REQUIRED** 13mm Spanner 5mm Allen Wrench 4mm Allen Wrench **FASTENERS** 8x M6x16 Button Head 8 M6 Flat Washer 2x M8x25 Hex Head 2x M8 Flange Nut 2x M8 Flat Washer

Insert on angle

|	
85. Fit Mesh Infill Panels. Use M8x16 Button head bolt, M8 flat washer into the captive thread in the bull bar. The side edges of the mesh panel fit behind the flange on the bar 86. Don't fit any bolts to bottom holes at this stage. 87. Tighten top fasteners using 5mm Allen Wrench.	**TOOLS REQUIRED** 5mm Allen Wrench **FASTENERS** M8x16 Button Head (2) M8 Flat Washer (2)

88. Fit Bash plate to the front of the bar as shown with M8 x 30 BHCS washers and flange nuts. Let hang from these fasteners at this stage.	**TOOLS REQUIRED** 5mm Allen Key
	FASTENERS M8x 30 Button Head (4) M8 Flat Washer (4) M8 Flange Nut (4)
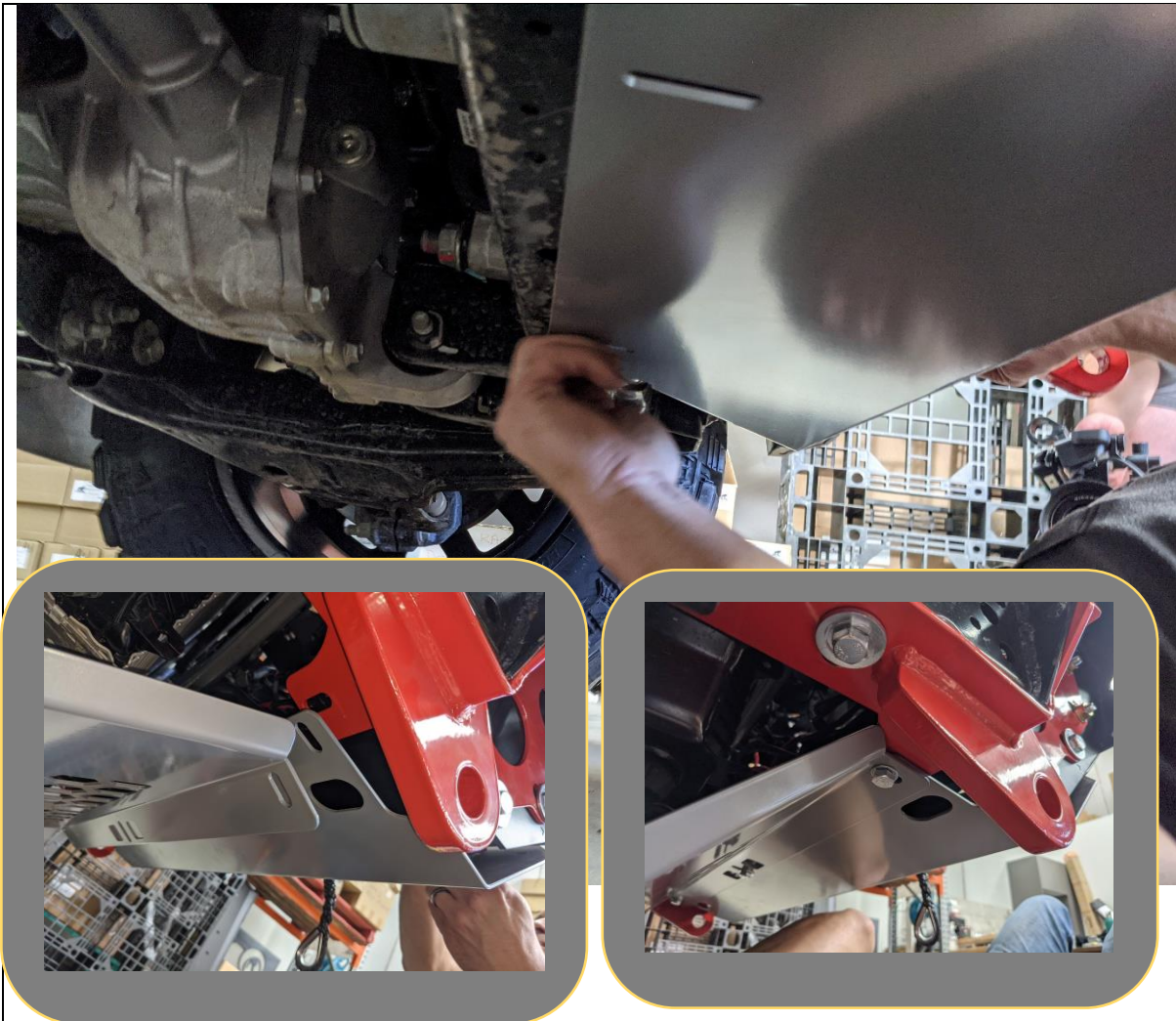
	TOOLS REQUIRED
89. Fit secondary bash plate first to the factory crossmember using the factory bolts removed from the original bash plate.	16 or 17mm spanner or socket 10mm Spanner / socket
90. Next fit the front of the secondary bash plate to the mounts, through the back of the primary bash plate using supplied M10x40 Hex Bolt, Flat washer and Flange nut	**FASTENERS**
91. Tighten all bolts	M10 x 40 (3) M10 FW (3) M10 FN (3) M6x25 BHCS (4) M6 MFW (4) M6 FN (2)

	TOOLS REQUIRED
92. Plug in fog light wiring harness connectors to fog lights.	
93. Fit Side Under panels using, M6x16 button head and flat washer into the cage nuts placed earlier.	
94. Secure back of side under panel to mount using M8x25 Hex Bolt, Flat washer and M8 Flange Nut.	
95. Leave finger Tight at this stage	**FASTENERS** M6x16 Button Head (8) M6 Flat Washer (8) M8x25 Hex Head (2) M8 Flange Nut (2) M8 Flat Washer (2)

| Instructions	Tools / Fasteners
96. Using the edge of the under panel as a guide mark the wheel arch liner, approximately 15mm beyond the intersection of the under panel. 97. Cut along line as marked using utility Knife 98. Tuck the wheel arch liner behind the flange on the under panel 99. Tighten all under panel bolts 100. Complete for other side of vehicle.	**TOOLS REQUIRED** Utility Knife 13mm Spanner 5mm Allen Wrench 4mm Allen Wrench **FASTENERS**
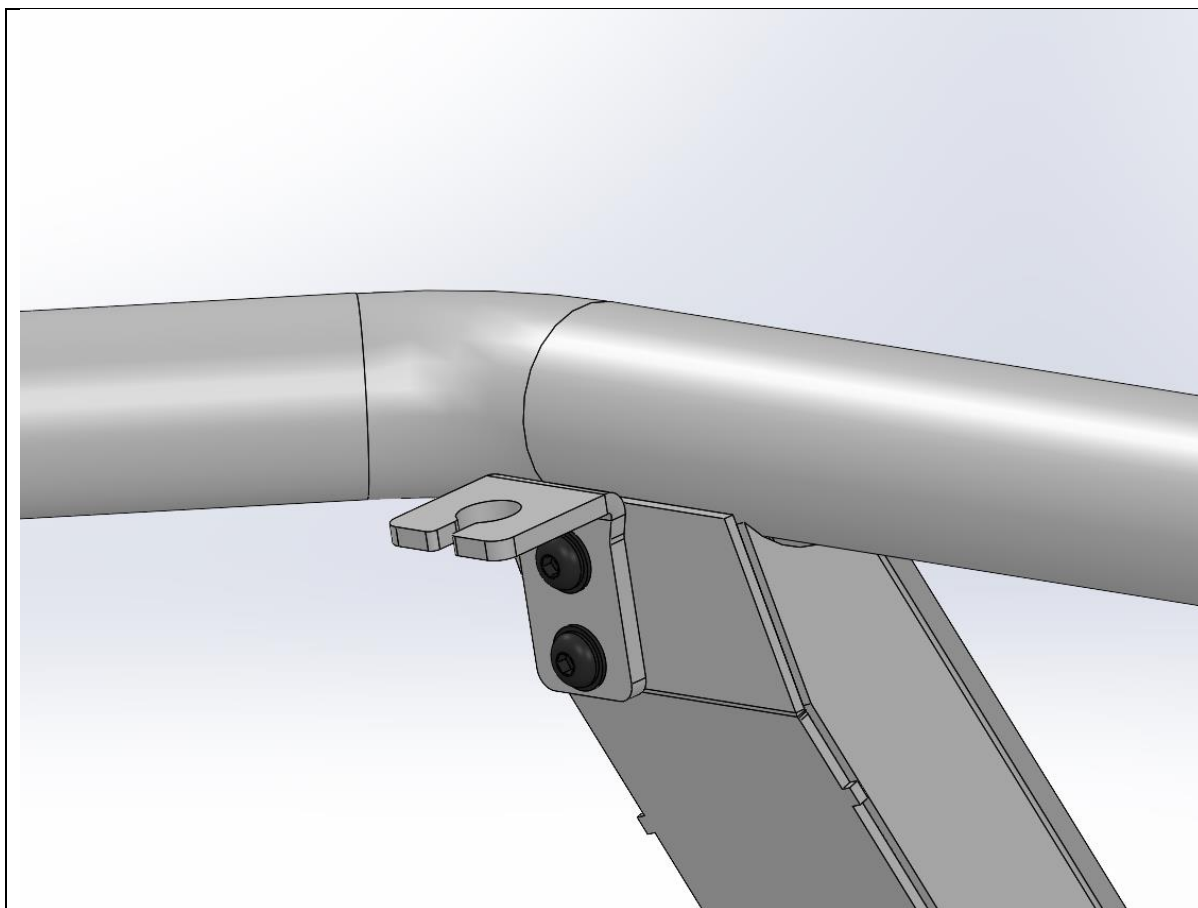
101. TORO bars ONLY. – If fitting an antenna, fit the antenna brackets to the upright using Supplied M8x20 Button head bolts and M8 Black Flat Washers	**TOOLS REQUIRED** 5mm Hex Key
	FASTENERS 2x M8x20 BHCS 2xM8 Flat Washer

	TOOLS REQUIRED
102. Fit the Offroad Animal logo plate to the front face of the bar. 103. Fit the compliance plate to a concealed location that will be visible if required for inspection. Offroad Animal recommends on the bottom of the primary bash plate panel	
	FASTENERS

	TOOLS REQUIRED
104. Check all Fasteners are tight. 105. Re-Fit number plate to number plate flip. 106. Head Bush and Enjoy your newly protected Navara!	
	FASTENERS