Toyota LandCruiser 80 Series

1990-1997

Predator & Toro Front Bar Fitting Instruction
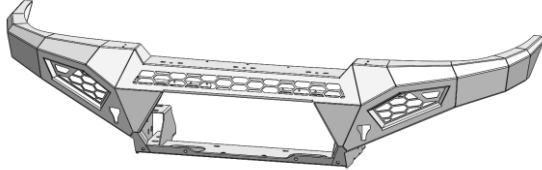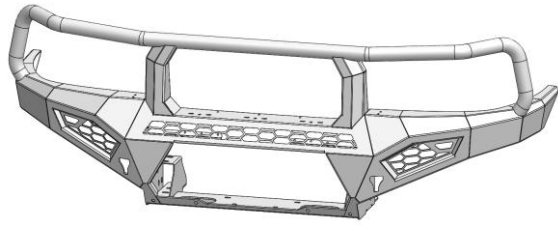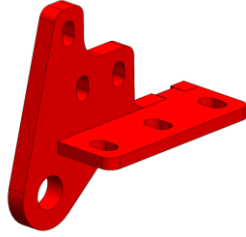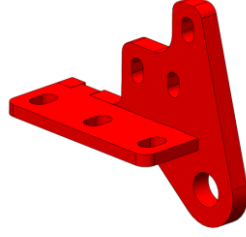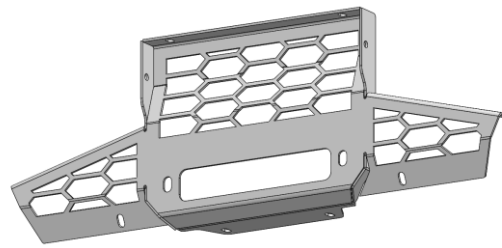
IMPORTANT! – READ BEFORE INSTALLATION
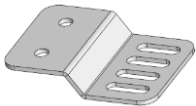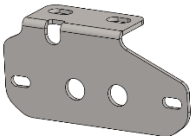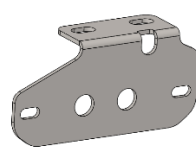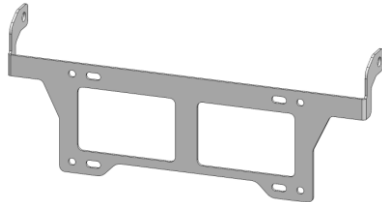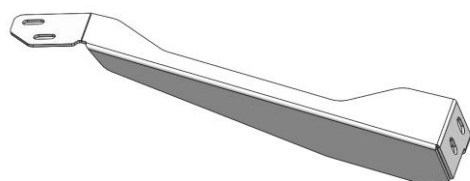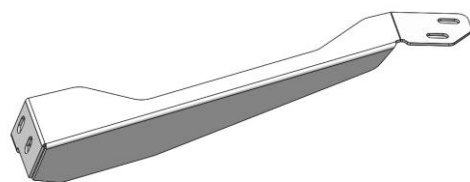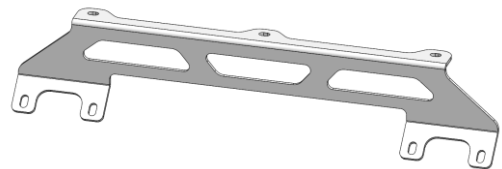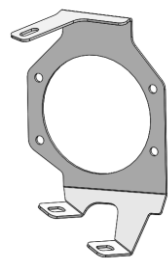
- This product must be installed exactly as per these instructions using only hardware supplied.
- Take a few moments to read instructions thoroughly before beginning work.
- In the event of damage to any bar component please contact OFFROAD ANIMAL to arrange repair/replacement of components.
- Do not 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.

Parts List

Qty	Part Number	Description	Image
1	FB-TLC-80-90-PR-ASM1	LC80 Predator Bar Welded Assy	
OR			
1	FB-TLC-80-90-TOR-ASM1	LC80 Toro Bar Welded Assy	
1	FB-TLC-80-90-PR-ASM2R	LC80 Tow Point Welded Assembly RH	
1	FB-TLC-80-90-PR-ASM2L	LC80 Tow Point Welded Assembly LH	
1	FB-TLC-80-90-PR-ASM3	LC80 Mesh Fairlead Welded Assembly	

1	B-0589	RAM1500 DT Winch Control Box Mount Bracket	
1	B-0797R	Toro Indicator Repeater Bracket RH	
1	B-0797L	Toro Indicator Repeater Bracket LH	
1	B-1254	MV Triton 24+ Number Plate Flip Bracket	
1	B-1336R	LC80 Wing Brace RH	
1	B-1336L	LC80 Wing Brace LH	
1	B-1337	LC80 Pan Brace	
1	B-1340R	LC80 Stedi Type A Light Mount RH	

1	B-1340L	LC80 Stedi Type A Light Mount LH	
1	B-1345R	LC80 Fender Brace RH	
1	B-1345L	LC80 Fender Brace LH	
2	P-0394	8MM Circular Spacer Suit M12 Bolt	
2	P-0493	Washer Plate	
1	U-0089	LC80 Bash Plate - Suit RHD	
1	U-0090R	LC80 Side Underpanel RH	
1	U-0090L	LC80 Side Underpanel LH	

1	OFA-LOGO	Offroad Animal Metal Logo	
1	11CAT1M-2	LED Autolamps 11CAT1M-2 Front Indicator - Twin Blister Pack	
1	FB-TLC-80-90-PR-ADRCP	ADR Compliance Plate 80 Series	
2	PWS-TOP-850	Pinch Weld PWS51T - Top Bulb Seal 850mm	N/A
2	PW-P-14X9-400	Pinch Weld - Plain 14X9MM, Rubber, 400mm Length	N/A
TORO ONLY			
2	B-0649	Toro Antenna Bracket – 90 Degree Tall	

PREDATOR Fasteners – Contained in Small Parts Kit Bag

Qty	Part Number	Description
4	M3X12 PAN	SCREW, PAN HEAD PHILLIPS, M3X12X0.5 GR4.6 ZP
4	M3 FLAT WASHER	Flat Washer M3, 7mmODx0.5mm T
4	M3 NUT	Hex Nut, M3x0.5 G48.8 ZP
39	M6x16 BHCS BLACK ZINC	SCREW, BUTTON HEAD CAP, M6X16X1 GR12.9, ISO4042 ZnNi BLACK PASSIVATED FINISH
39	M6 FLAT WASHER BLACK ZINC	M6 Flat Washer, 12x6.1x1, ISO4042 ZnNi BLACK PASSIVATED FINISH
27	M6 FLANGE NUT	Flange Nut, M6x1 G8.8 ZP
8	M6CN3MM	CAGE NUT M6x2.6-3.5
8	M8 X 20 HEX	Bolt Hex, M8X20x1.25, GR8.8 ZP
2	M8 X 30 HEX	Bolt Hex, M8X30X1.25, GR8.8 ZP
10	M8 X 20 BHCS BLACK ZINC	SCREW, BUTTON HEAD CAP, M8X20X1.25, ISO4042 ZnNi BLACK PASSIVATED FINISH
4	M8 X 30 BHCS BLACK ZINC	SCREW, BUTTON HEAD CAP, M8X30X1.25, ISO4042 ZnNi BLACK PASSIVATED FINISH
8	M8 FLAT WASHER	M8 FLAT WASHER
4	M8 HD FLAT WASHER	M8 FLAT WASHER - High Tensile 19x8x1.9mm
4	M8 FLAT WASHER- BLACK ZINC	M8 FLAT WASHER, 16.5x8.4x1.2, ISO4042 ZnNi BLACK PASSIVATED FINISH
10	M8 HD FLAT WASHER - BZP	M8 FLAT WASHER - High Tensile 19x8x2mm, ISO4042 ZnNi BLACK PASSIVATED FINISH
2	M8 NYW	Washer, M8, Nylon
8	M8 FLANGE NUT	Flange Nut, M8x1.25 G8.8 ZP
2	M8 NYLOC	NYLOC SELF LOCKING NUT, ST STL A2 ISO
2	M10X40X1.25	Bolt Hex, M10X40X1.25, GR8.8 ZP
4	M10X50X1.25	Bolt Hex, M10X50X1.25, GR8.8 ZP
6	M10 FW LHD	WASHER, FLAT M10X28.5X2.5
4	M12X30X1.25	Bolt Hex, M12X30x1.25, GR8.8 ZP
6	M12X40x1.25	Bolt Hex, M12X40x1.25, GR8.8 ZP
10	M12 FW LHD	M12 FW Large Heavy Duty

TORO Fasteners – Contained in Small Parts Kit Bag

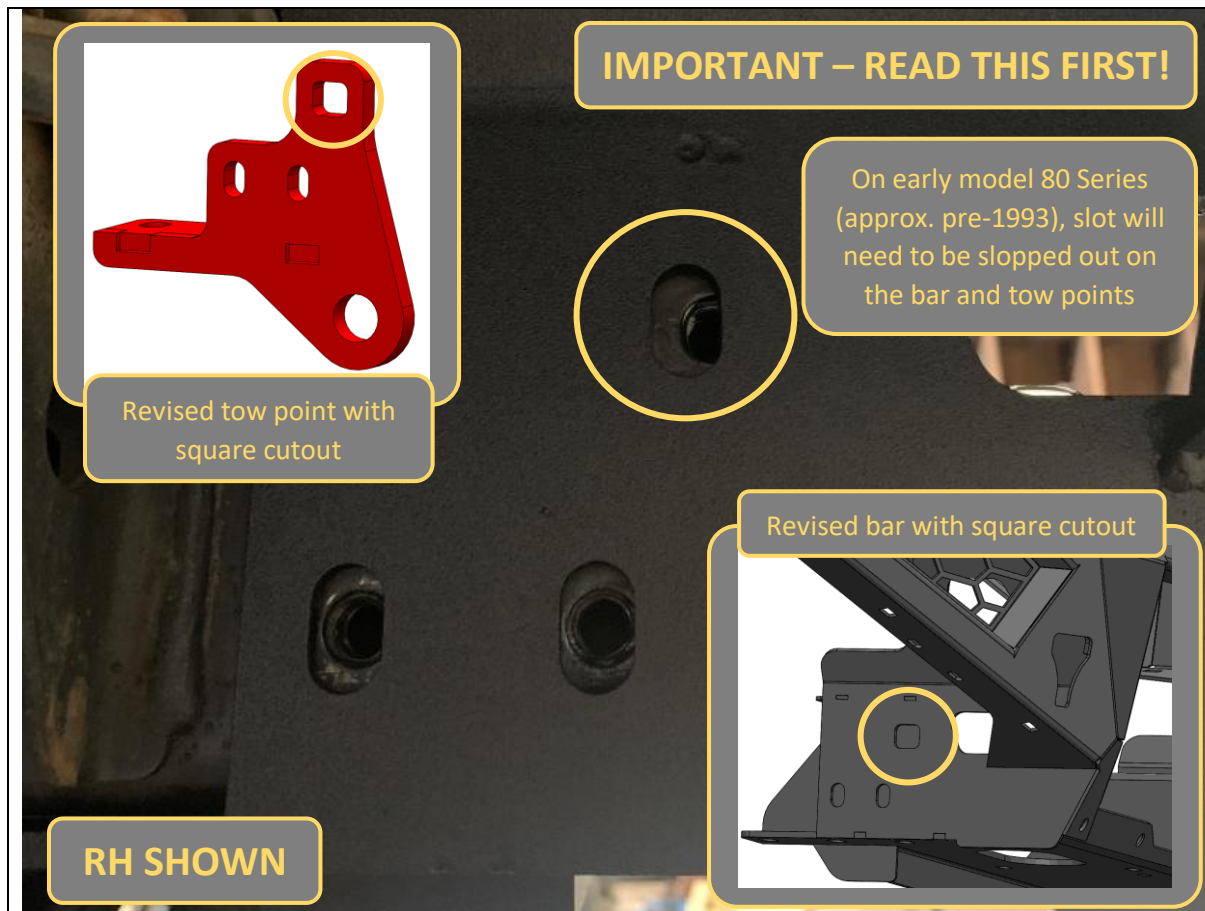| Qty	Part Number	Description
4	M3X12 PAN	SCREW, PAN HEAD PHILLIPS, M3X12X0.5 GR4.6 ZP
4	M3 FLAT WASHER	Flat Washer M3, 7mmODx0.5mm T
4	M3 NUT	Hex Nut, M3x0.5 G48.8 ZP
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39	M6 FLAT WASHER BLACK ZINC	M6 Flat Washer, 12x6.1x1, ISO4042 ZnNi BLACK PASSIVATED FINISH
27	M6 FLANGE NUT	Flange Nut, M6x1 G8.8 ZP
8	M6CN3MM	CAGE NUT M6x2.6-3.5
8	M8 X 20 HEX	Bolt Hex, M8X20x1.25, GR8.8 ZP
2	M8 X 30 HEX	Bolt Hex, M8X30X1.25, GR8.8 ZP
14	M8 X 20 BHCS BLACK ZINC	SCREW, BUTTON HEAD CAP, M8X20X1.25, ISO4042 ZnNi BLACK PASSIVATED FINISH
4	M8 X 30 BHCS BLACK ZINC	SCREW, BUTTON HEAD CAP, M8X30X1.25, ISO4042 ZnNi BLACK PASSIVATED FINISH
8	M8 FLAT WASHER	M8 FLAT WASHER
4	M8 HD FLAT WASHER	M8 FLAT WASHER - High Tensile 19x8x1.9mm
8	M8 FLAT WASHER- BLACK ZINC	M8 FLAT WASHER, 16.5x8.4x1.2, ISO4042 ZnNi BLACK PASSIVATED FINISH
10	M8 HD FLAT WASHER - BZP	M8 FLAT WASHER - High Tensile 19x8x2mm, ISO4042 ZnNi BLACK PASSIVATED FINISH
2	M8 NYW	Washer, M8, Nylon
8	M8 FLANGE NUT	Flange Nut, M8x1.25 G8.8 ZP
2	M8 NYLOC	NYLOC SELF LOCKING NUT, ST STL A2 ISO
2	M10X40X1.25	Bolt Hex, M10X40X1.25, GR8.8 ZP
4	M10X50X1.25	Bolt Hex, M10X50X1.25, GR8.8 ZP
6	M10 FW LHD	WASHER, FLAT M10X28.5X2.5
4	M12X30X1.25	Bolt Hex, M12X30x1.25, GR8.8 ZP
6	M12X40x1.25	Bolt Hex, M12X40x1.25, GR8.8 ZP
10	M12 FW LHD	M12 FW Large Heavy Duty

TOOLS REQUIRED

The following tools will be required to install the product.

Hand Tools	Power Tools	Workshop Equipment
Metric socket set 5.5-19mm	Electric/Air Impact Driver (Optional)	Masking tape
Socket extension bar		Marker pen
Metric spanner set 5.5-19mm	Air hacksaw or Die grinder or Oscillating multi-tool	Ruler
Hex (Allen) key set 4-6mm		Lubricant (eg. WD-40)
Flat blade screwdriver set		Solder
Phillips head screwdriver set		Soldering iron
Side cutters		Electrical tape
M10x1.25 metric tap		Lifting Trolley (Optional)
M12x1.25 metric tap		

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.

IMPORTANT – READ THIS FIRST!

Revised tow point with square cutout

On early model 80 Series (approx. pre-1993), slot will need to be slopped out on the bar and tow points

Revised bar with square cutout

RH SHOWN

PLEASE READ FIRST:

There is a known variance in chassis hole position between early model and late model 80 Series LandCruisers. The exact cutoff date is unknown, but it is believed to be around 1993.

Early production batches of the Offroad Animal bar <u>and tow point</u> will have a slot that does not line up with the early model. These holes will need to be slopped out with a die grinder or similar and treated with rust preventative paint. Doing so <u>will not</u> void warranty.

Revised production bar rectifies this issue. It can be identified by square cutouts in the bar and tow point (see inset photos), as well as additional P-0493 washer plates being supplied.
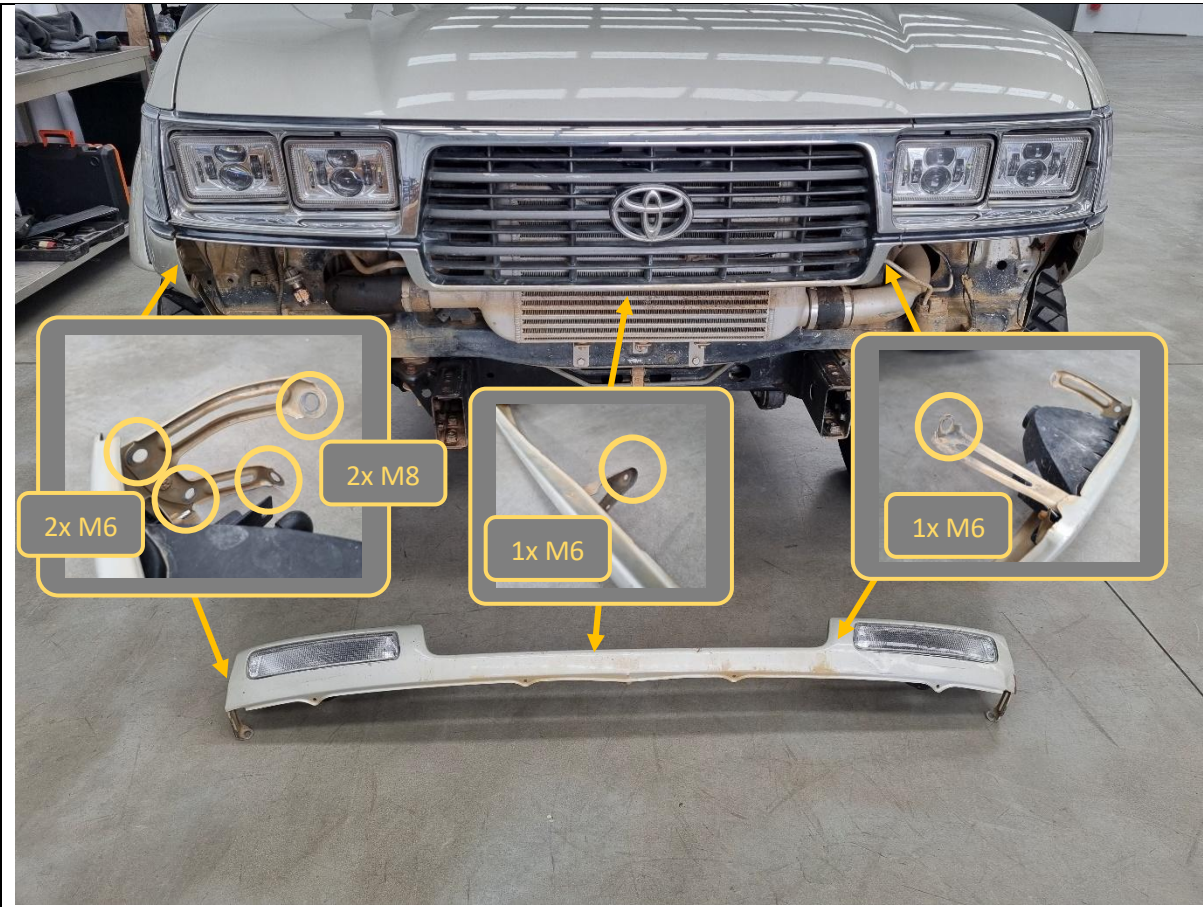
TOOLS REQUIRED

Die grinder
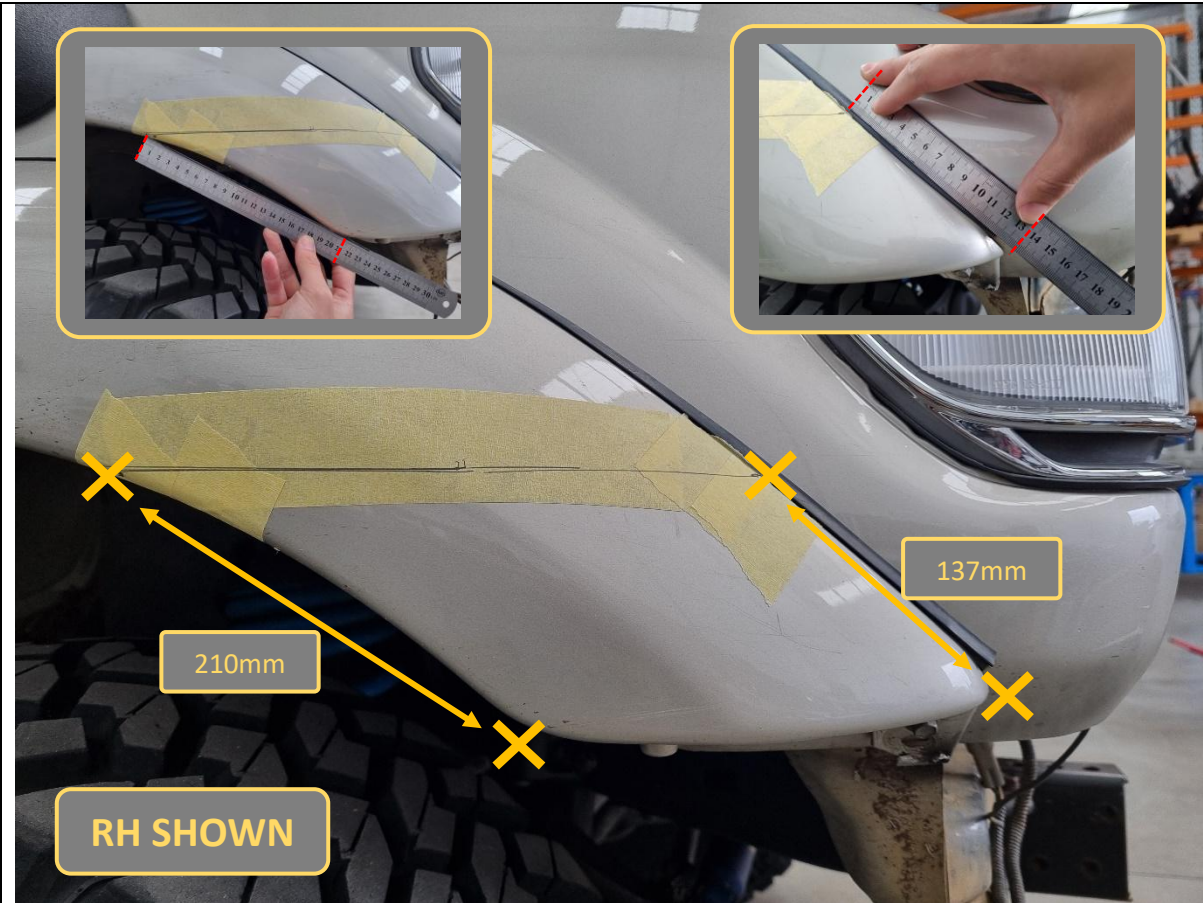Rust preventative paint

FASTENERS

Note: This bar is designed to suit RHD, non-airbag vehicles only. Please contact Offroad Animal if fitting to a LHD non-airbag vehicle and we can supply LHD specific parts.	**TOOLS REQUIRED** Lubricant or penetrating oil (eg. WD-40)
1. Remove the number plate and set aside. 2. Remove the stock bumper or aftermarket bullbar (including all mounting hardware) from the vehicle. Refer to YouTube guides or aftermarket instructions for removal process. It is highly recommended to use penetrating oil when removing all bolts, since these vehicles are old. 3. Remove tow hooks (factory or aftermarket).	**FASTENERS**

4. The front valance (also known as indicator shroud) needs to be removed.

5. Remove 2x M8 hex bolts (either 12mm or 13mm spanner) holding each outer corner of the valance to the body.

6. Remove 2x M6 hex bolts (10mm spanner) holding each outer corner of the valance to the quarter panel.

7. Remove 1x M6 hex bolt (10mm spanner) holding the valance to the body (next to the radiator) per side.

   Access from above between the grille and radiator; or remove the headlights and access with socket extension.

8. Remove 1x M6 hex bolt holding the centre of valance to the body.

9. Disconnect the indicators or cut the wires.

10. Pull outwards and remove the front valance.

TOOLS REQUIRED

10mm spanner
12/13mm spanner
Side cutters

FASTENERS

RH SHOWN

11. Vehicles equipped with flares require the flare to be trimmed. The flare will be trimmed to match the bar, after it has been fitted.	**TOOLS REQUIRED** Masking tape
12. The following information is correct for OE flares. Aftermarket flares – trim to fit the bar later.	
13. We will mark the flare with an approximate cut position first. Apply masking tape in the location shown.	**FASTENERS**

RH SHOWN

	TOOLS REQUIRED
14. Mark a horizontal cut line on the flare. Mark from a point that lies 210mm (direct point to point) from the outermost tip of the flare to another point that lies 137mm from the innermost tip of the flare. 15. Repeat for flare on other side.	Marker pen Ruler
	FASTENERS

16. The OE flares will now be removed. Aftermarket flares – refer to manufacturer instructions. Start by opening the bonnet. 17. Remove 2x Phillips head screws holding the top of the parking light and headlight. 18. Pull the parking light out and let it hang off the vehicle.	**TOOLS REQUIRED** Phillips head screwdriver
	FASTENERS 4x Phillips head screws Retain for re-assembly

RH SHOWN
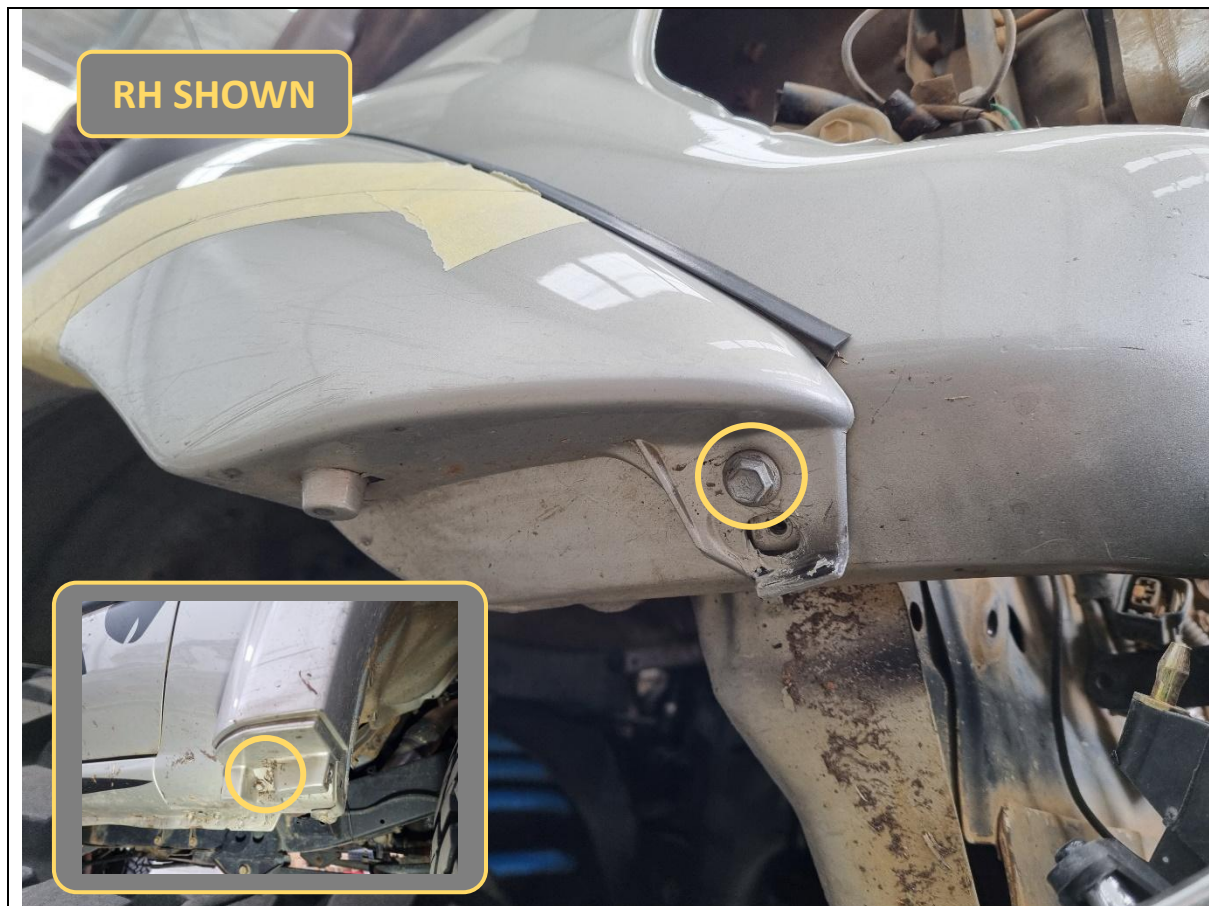
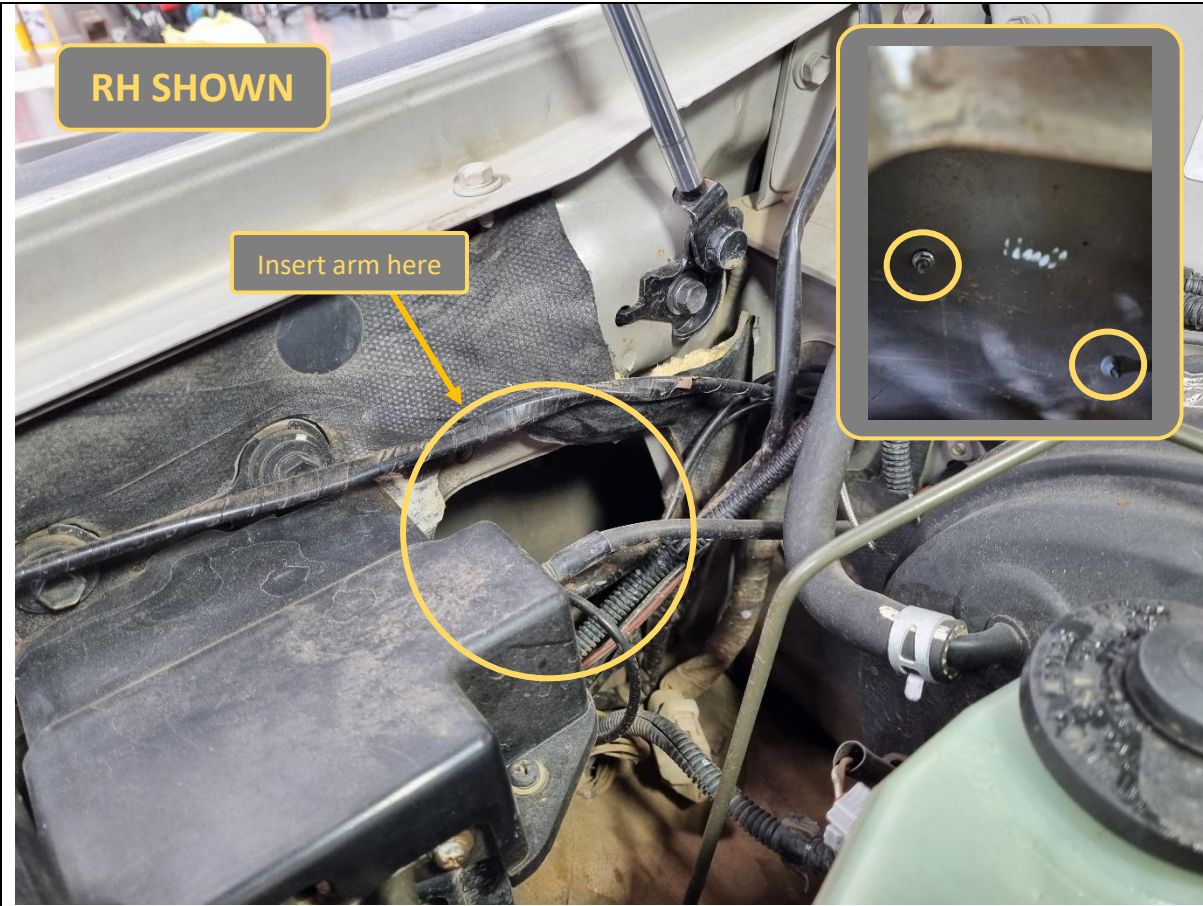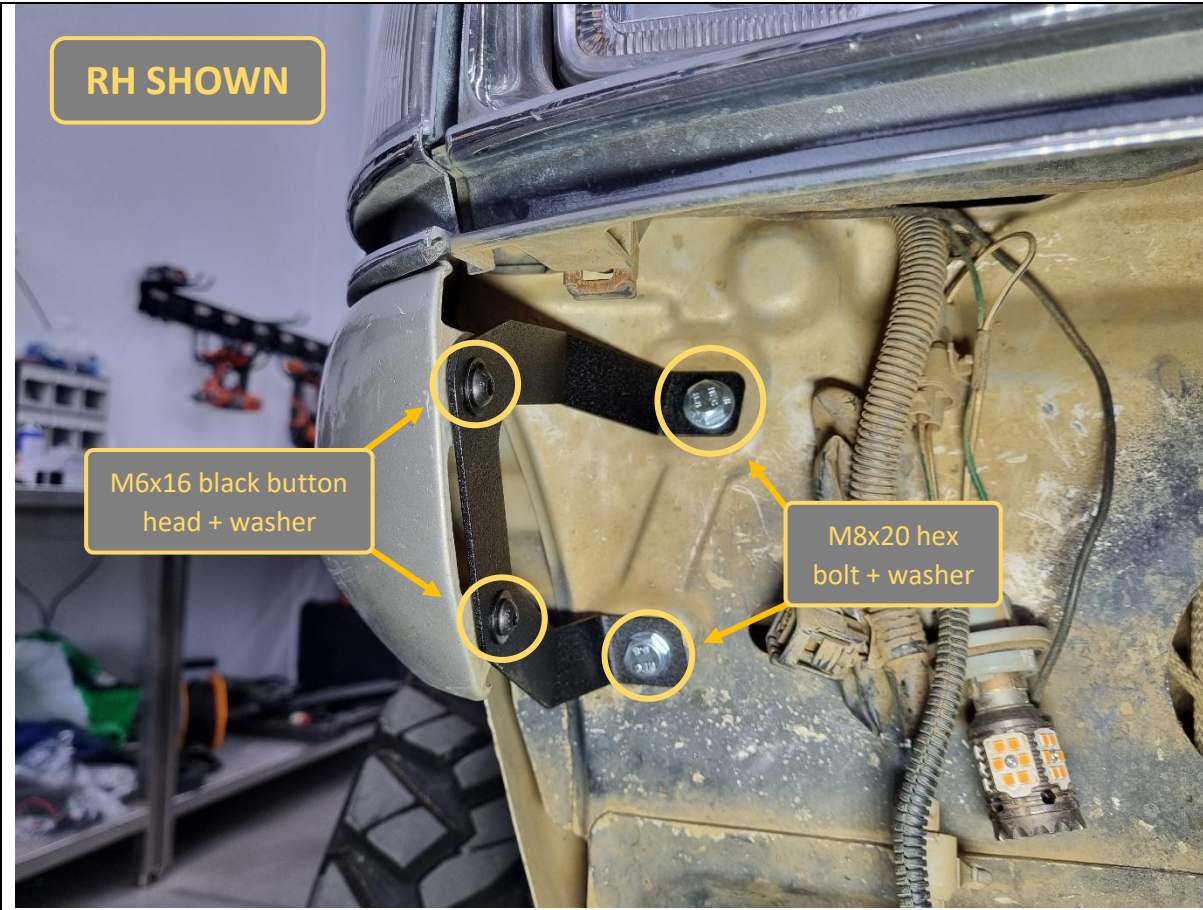| Steps	TOOLS REQUIRED
19. Remove 1x 10mm hex bolt at the front end of the flare. 20. Remove the front mudflap (held on by multiple 10mm hex bolts) and set aside for re-assembly. 21. Remove 1x 10mm hex bolt at the rear end of the flare that was previously hidden by the mudflap.	10mm socket/spanner
	FASTENERS 10mm hex bolt Retain for re-assembly

RH SHOWN

	TOOLS REQUIRED
22. Different vehicles will have the flare attached in slightly different ways. There are 5x holes inside the quarter panel for either plastic clips or studs/10mm hex nuts to secure the flare.	10mm socket/spanner
23. Reach in and look from the opening at the front where the parker light was. The first two fasteners will be within arm's reach.	**FASTENERS**
24. If studs and nuts are used, remove the nuts with a 10mm spanner.	10mm hex bolt Plastic clip
25. If not, gently pull outwards on the flare to release the plastic clips.	Retain for re-assembly

RH SHOWN

Insert arm here

26. The next two fasteners are accessible through the indicated opening in the engine bay, near the bonnet struts. 27. Again, if studs and nuts are used, remove the nuts with a 10mm spanner. If not, gently pull outwards on the flare to release the plastic clips.	**TOOLS REQUIRED** 10mm socket/spanner
	FASTENERS 10mm hex bolt Plastic clip Retain for re-assembly

28. Starting from the two ends, gently pull the flare outwards and release any remaining clips. 29. Set the flare aside and re-fit the parking light. 30. Repeat the flare removal process for the other side.	**TOOLS REQUIRED**
	FASTENERS

31. Fit the supplied fender braces to the vehicle.

32. Secure each brace to the body using 2x M8x20 hex bolts and washers.

33. Secure each brace to the fender using 2x M6x16 black button head bolts and washers.

TOOLS REQUIRED

4mm hex/Allen key
13mm socket/spanner

FASTENERS

4x M6x16 black button head
4x M6 black flat washer

4x M8x20 hex bolt
4x M8 flat washer

34. If fitting an integrated light bar, do so now from the back. This bar is designed to fit the Offroad Animal 32-inch light bar. If fitting this light bar, assemble the light bar with legs facing inwards, and line it up with the slots in the centre gusset. Secure with M6 fasteners supplied with the light. This bar can accommodate most other "30-32 inch" size light bars. Stedi ST3K light bars require legs facing outwards.	**TOOLS REQUIRED** Supplied with light bar
	FASTENERS Supplied with light bar

35. If fitting driving lights, this is also the most convenient time to do so. It is still possible later but is more difficult. The Predator bar can support up to 3x 9" driving lights, while the Toro bar can support up to 2x 9" driving lights.	**TOOLS REQUIRED** Supplied with driving lights
	FASTENERS Supplied with driving lights

36. Fit the pan brace to the back of the middle section of the bar.	**TOOLS REQUIRED** 4mm hex/Allen key
37. Secure at the top with 3x M6x16 black button head bolts, washers and flange nuts.	
38. Secure at the bottom with 4x M6x16 black button head bolts, washers and flange nuts.	
	FASTENERS 7x M6x16 black button head bolt 7x M6 black flat washer 7x M6 flange nut

RH SHOWN

39. Fit 8x M6 cage nuts into the rectangular slots on the bottom of the bar wing (4x per side). To aid fitting, use a small flat blade screwdriver to push the edge of the cage nut to engage with the slot.	**TOOLS REQUIRED** Flat blade screwdriver
	FASTENERS 8x M6 cage nut

TORO ONLY

40. **Toro only.** Fit antenna brackets to Toro uprights using M8x20 black button head bolts and black washers. 41. **Toro only.** Else fit the 2x M8x20 black button head bolts and black washers to the back of each bullbar upright, to protect nut threads in bar for future use.	**TOOLS REQUIRED** 5mm hex/Allen key **FASTENERS** 4x M8x20 black button head 4x M8 black flat washer

RH SHOWN

42. Fit the 2x supplied of top bulb pinch weld rubber to each wing on the bullbar, as shown.	**TOOLS REQUIRED**
	FASTENERS

43. This bar can take 2x Stedi Type A LED fog lights or Stedi Boost Integrated Driving Lights for Type-A Fogs.

44. If choosing to fit the lights, secure each of them to the supplied bracket using 4x M6x16 black button head bolts, washers and flange nuts.

TOOLS REQUIRED

4mm hex/Allen key

FASTENERS

8x M6x16 black button head
8x M6 black flat washer
8x M6 flange nut

LH SHOWN

Instructions	Tools / Fasteners
45. Fit the bracket to the inside of the bar wing.	**TOOLS REQUIRED** 4mm hex/Allen key
46. Secure the top with 1x M6x16 black button head bolt and washer.	
47. Secure the bottom with 2x M6x16 black button head bolts, washers and flange nuts.	
48. Repeat for other side.	**FASTENERS** 6x M6x16 black button head 6x M6 black flat washer 6x M6 flange nut
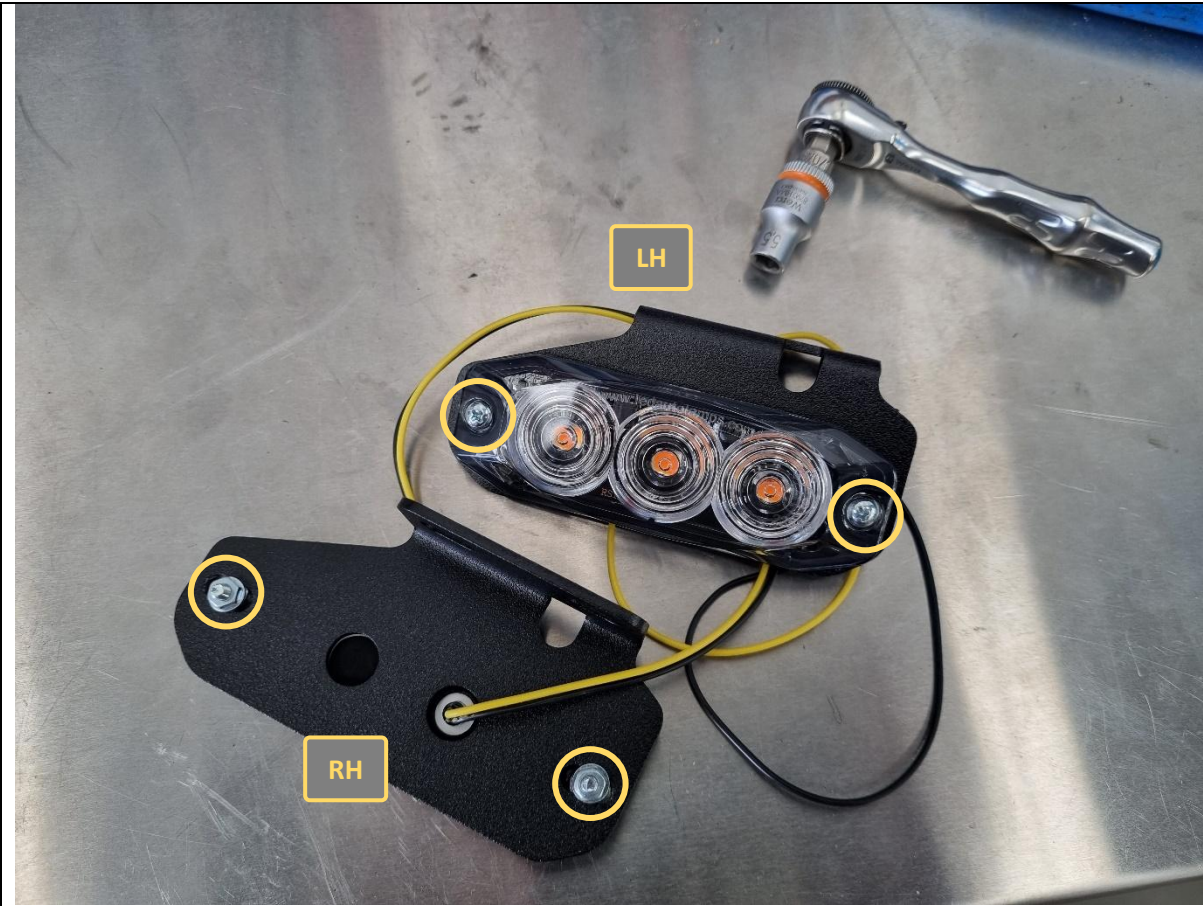
49. Fit the indicator repeater lamps to the indicator brackets, using M3x12 pan head screws, washers, nuts and the adhesive backing included with the lamp module.	**TOOLS REQUIRED** Phillips head screwdriver 5.5mm socket/spanner
	FASTENERS 4x M3x12 pan head screw 4x M3 flat washer 4x M3 hex nut

RH SHOWN

	TOOLS REQUIRED
50. Fit the indicators/brackets to the inside of each bar wing.	4mm hex/Allen key
51. Secure each indicator/bracket with 2x M6x16 black button head bolts, washers and flange nuts.	
	FASTENERS
	4x M6x16 black button head
	4x M6 black flat washer
	4x M6 flange nut
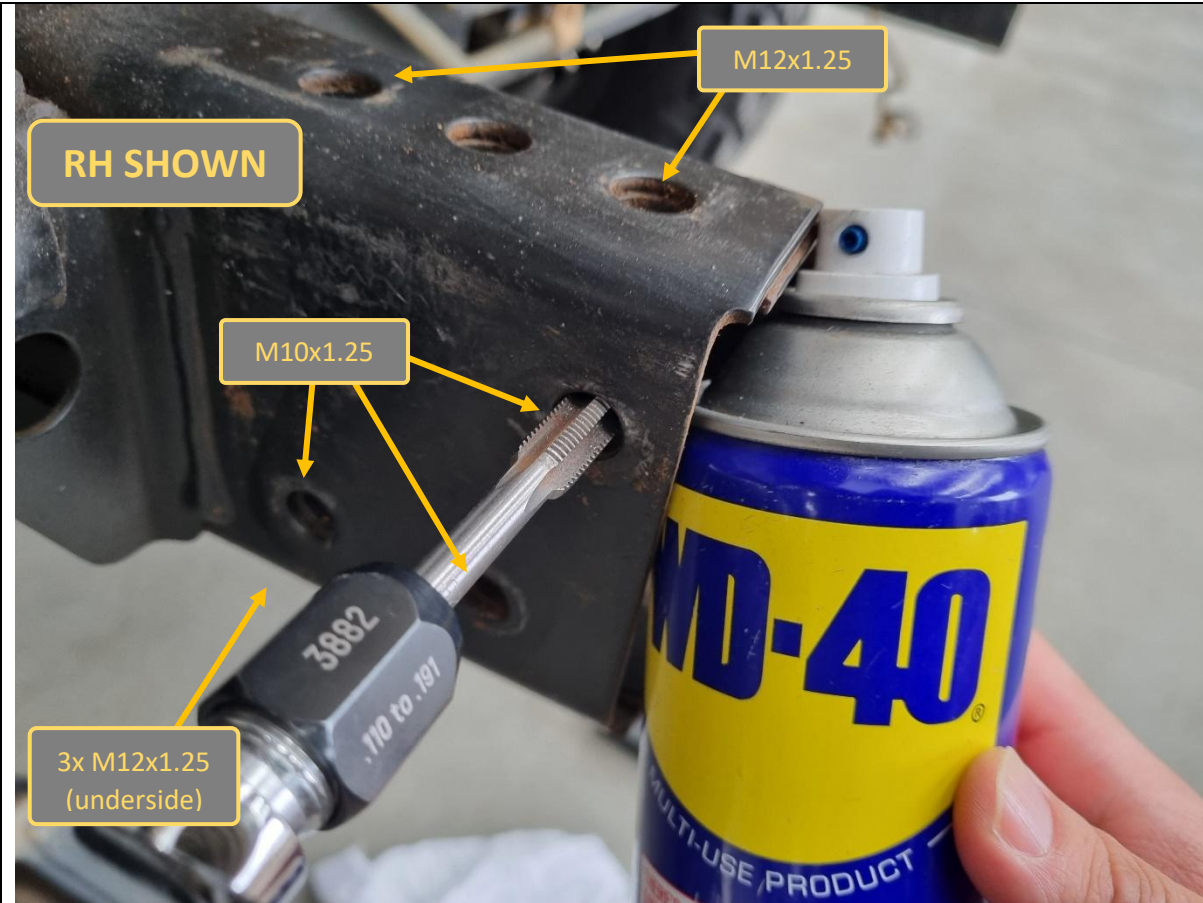
52. Prepare the chassis for bar fitment.

53. With the use of cutting fluid, run M10x1.25 and M12x1.25 taps through the indicated holes on each chassis rail.

TOOLS REQUIRED

M10x1.25 metric tap
M12x1.25 metric tap
Lubricant or cutting fluid

FASTENERS

54. If fitting a winch with an integrated top mount control box and the vehicle is equipped with an aftermarket intercooler, fit the winch onto the cradle in the bar now.

   There is not enough room to fit a winch with top mount control box when an aftermarket intercooler is installed. A control box relocation bracket is supplied if choosing to fit a winch later.

55. Ensure clutch handle will be accessible through opening in front mesh panel. Refer to winch instructions regarding changing clutch handle location.

56. This bar is designed to fit most low mount winches, in foot down configuration. WARN ZEON 12 and Runva 11XP are the largest winches confirmed to fit.

   This vehicle is only able to support winches with 630mm maximum overall width, and 190mm from the winch mounting holes to the end of the motor.

57. Other winches may be installed either now, or once the bar is installed onto the vehicle.

TOOLS REQUIRED

Refer to instructions supplied by winch

FASTENERS

Supplied with winch

58. With assistance, either from another person, or a lifting trolley, lift and slide the bar onto the chassis.	**TOOLS REQUIRED** Lifting trolley
	FASTENERS

RH SHOWN

	TOOLS REQUIRED
59. On each side, fit 2x M12x30x1.25 hex bolts and heavy-duty washers to hold the bar to the chassis. 60. Keep bolts finger tight.	
	FASTENERS 4x M12x30x1.25 hex bolt 4x M12 heavy-duty washer

RH SHOWN

61. Shuffle the bar left/right on the vehicle so that the gapping to the fenders is even and symmetric.	TOOLS REQUIRED
	FASTENERS

If supplied, fit P-0493 washer plate

M10x50x1.25 hex bolt + heavy-duty washer

3x M12x40x1.25 hex bolt + heavy-duty washer

RH SHOWN

62. Fit each tow point to the outside of the chassis.	**TOOLS REQUIRED**
63. Loosely fit 1x M10x50x1.25 hex bolt and heavy-duty washer on the side of tow point. If supplied, also fit the P-0493 washer plate in between the bolt washer and tow point.	16/17mm socket/spanner 18/19mm socket/spanner
64. Loosely fit 3x M12x40x1.25 hex bolts and heavy-duty washers on the underside of the tow point.	**FASTENERS**
65. Re-check bar alignment, then tighten the bottom tow point bolts first, then side bolts, and lastly the top 2x bolts on the chassis rail installed in previous steps.	2x M10x40x1.25 hex bolt 2x M10 heavy-duty washer
	6x M12x40x1.25 hex bolt 6x M12 heavy-duty washer

66. Wire up indicators and any other lighting now.	**TOOLS REQUIRED** Solder Soldering iron Electrical tape
	FASTENERS

LH SHOWN

67. It is time to cut the flare. 68. Using a jigsaw or similar cutting tool, make a conservative cut, approximately 15mm below the previously marked cut line.	**TOOLS REQUIRED** Electric jigsaw or Die grinder or Oscillating multi-tool
	FASTENERS
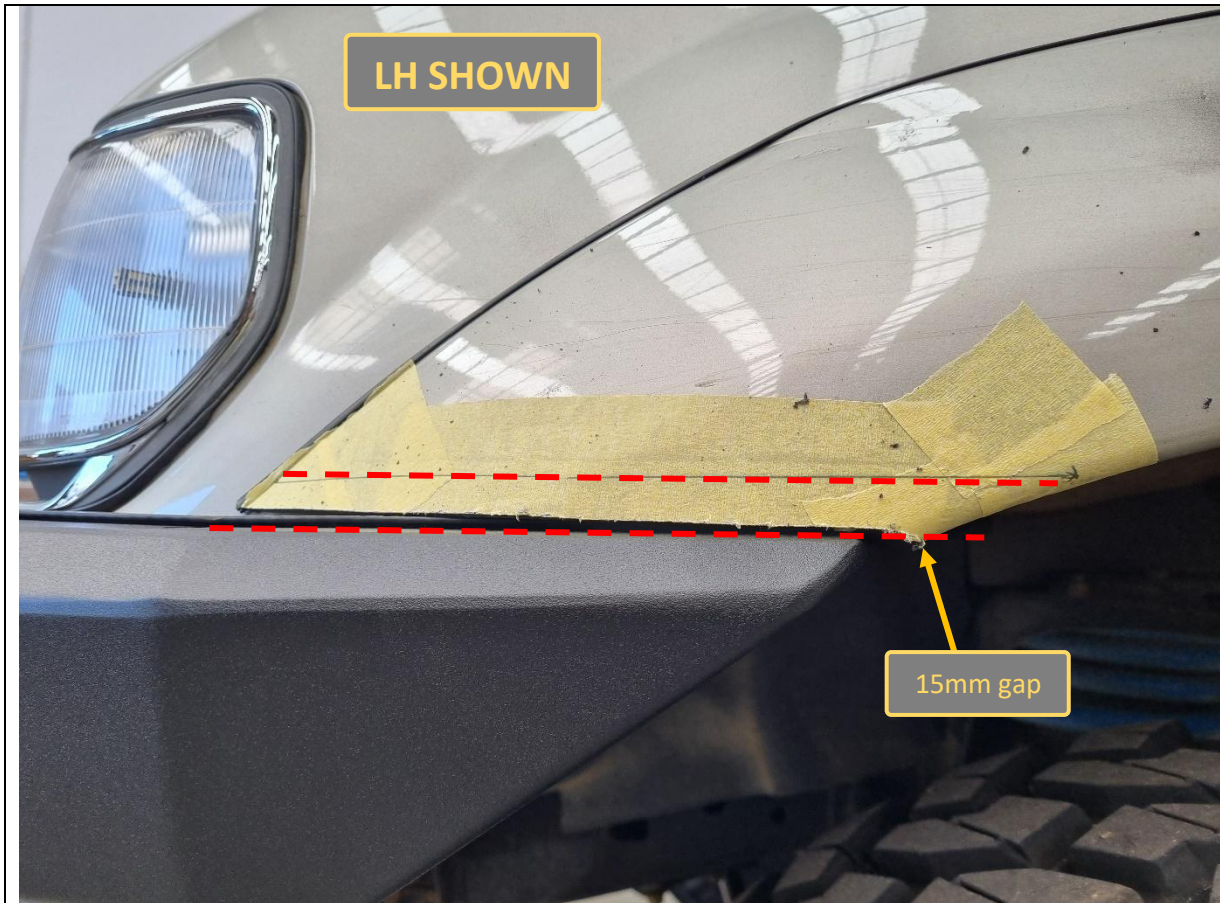
69. Temporarily remove the clips/studs on the inside of the flare, then hold it up against the vehicle.

70. Check and mark out a new cut line if required, in order to achieve 15mm vertical gap between the top of the bar wing and flare.

TOOLS REQUIRED

Ruler
Marker pen

FASTENERS

LH SHOWN

	TOOLS REQUIRED
71. Re-trim the flare for final fit.	
	Side cutters
72. Fit and trim supplied plain pinch weld rubber onto the trimmed edge of the flare.	10mm socket/spanner
73. Re-fit all the clips and studs onto the flares, and re-fit onto the vehicle.	
74. Secure all the clips, bolts and nuts holding the flare. Remove the parking light to access nuts if required.	**FASTENERS**
	10mm hex bolt
75. Re-fit mud flap if equipped.	Plastic clip
76. Repeat flare cut on other side.	

RH SHOWN

|	
77. Fit the wing brace between the underside of the bar wing tip and tow point.	**TOOLS REQUIRED** 5mm hex/Allen key 16/17mm socket/spanner
78. Secure the wing brace to the tow point and chassis using 2x M10x50x1.25 hex bolts and heavy-duty washers.	
79. Secure the wing brace to the bar wing tip using 2x M8x20 black button head bolts, black heavy-duty washers and flange nuts.	**FASTENERS** 4x M8x20 black button head 4x M8 black heavy-duty flat washer
80. Repeat for other side.	4x M10x50x1.25 hex bolt 4x M10 heavy-duty washer
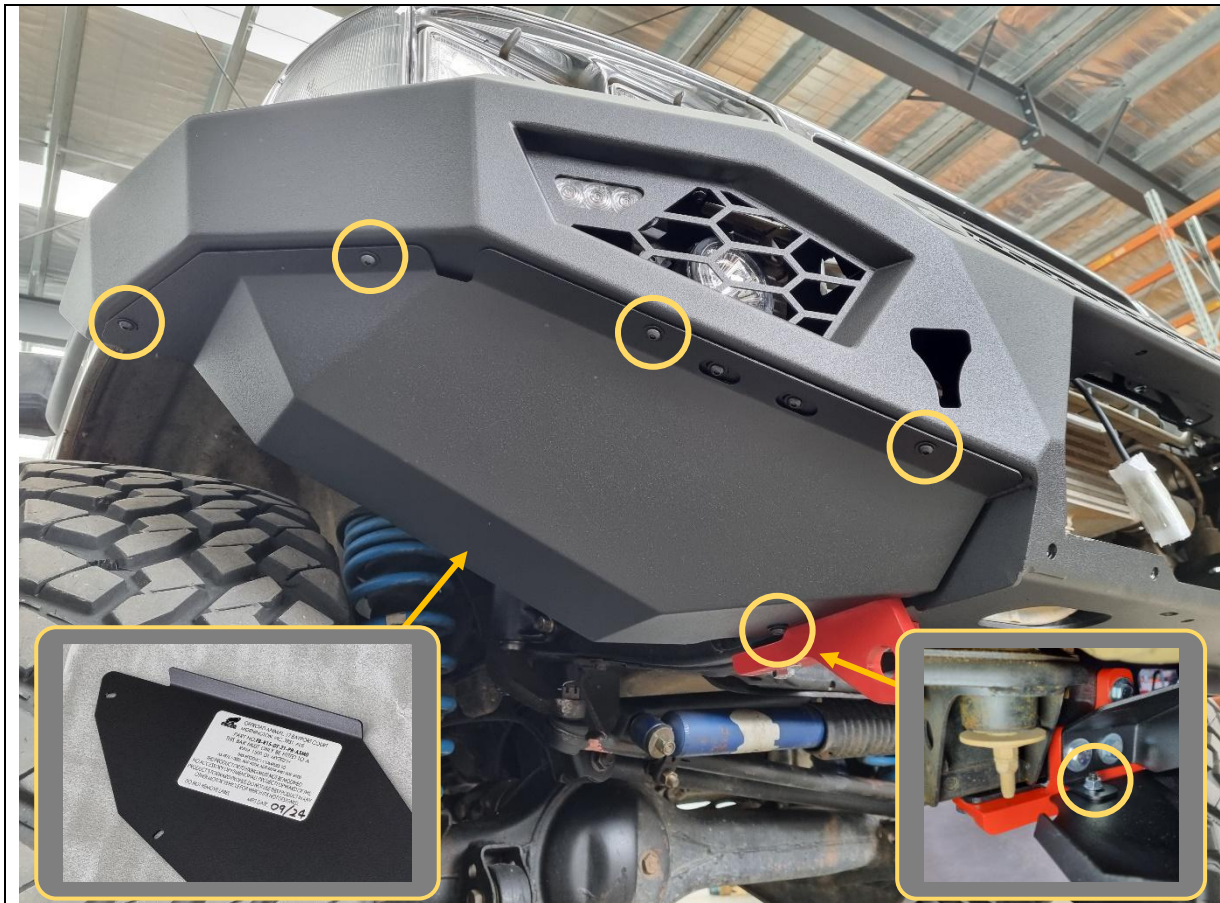
81. Fit the supplied compliance label to the inside of one of the side underpanels.

82. Secure the side underpanel to the bar with 4x M6x16 black button head bolts and black flat washers.

83. Secure the side underpanel to the wing brace (see inset) using 1x M8x20 black button head bolt, black washer and flange nut.
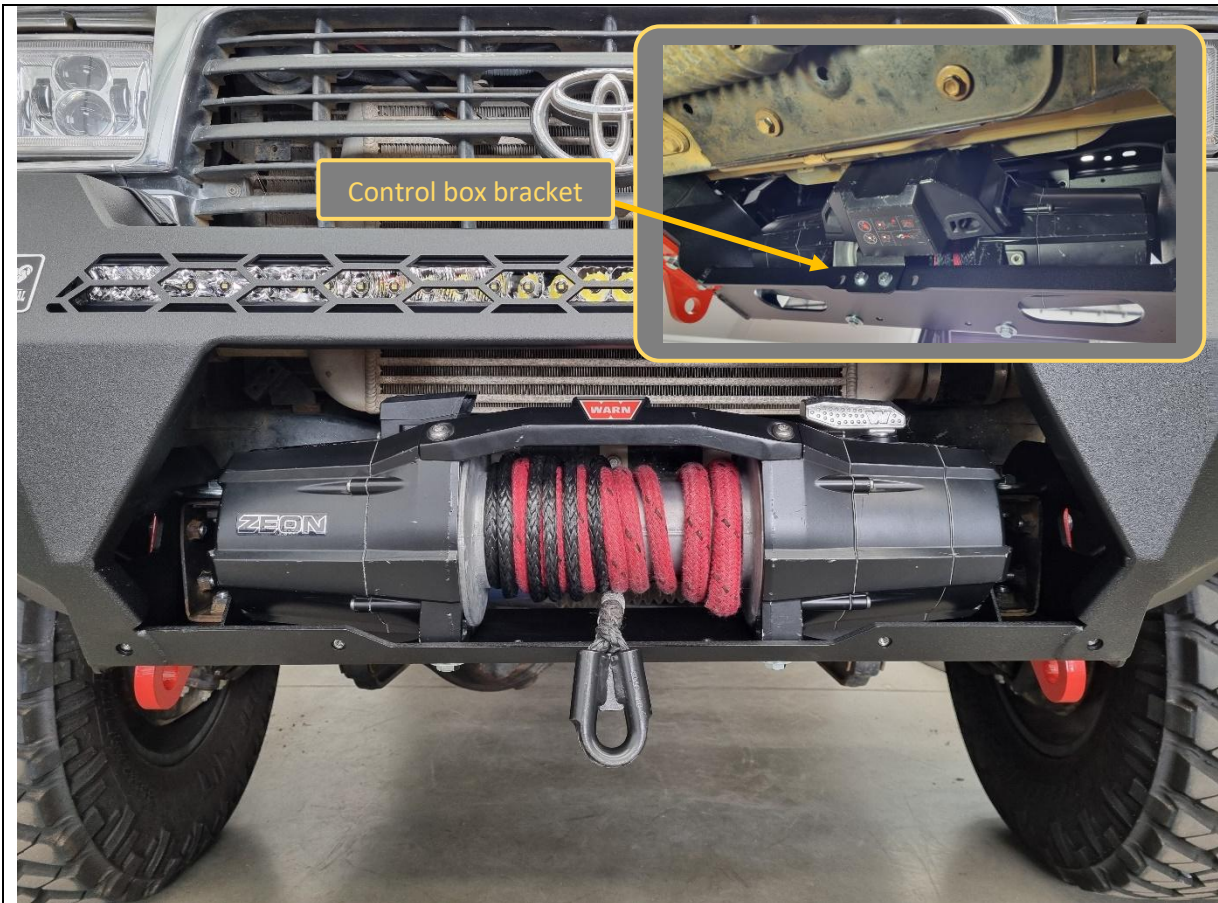
84. Repeat for other side underpanel.

TOOLS REQUIRED

4mm hex/Allen key
5mm hex/Allen key

FASTENERS

8x M6x16 black button head
8x M6 black flat washer

2x M8x20 black button head bolt
2x M8 black flat washer
2x M8 flange nut

Control box bracket

85. If still needing to fit a winch, do so now.

86. If required, the control box can be mounted on the supplied control box bracket, which affixes to the rear of the winch cradle (see inset) or directly affixed to the back of the cradle slots. The bracket is secured using 2x M8x20 hex bolts, washers and flange nuts.

TOOLS REQUIRED

Refer to instructions supplied by winch
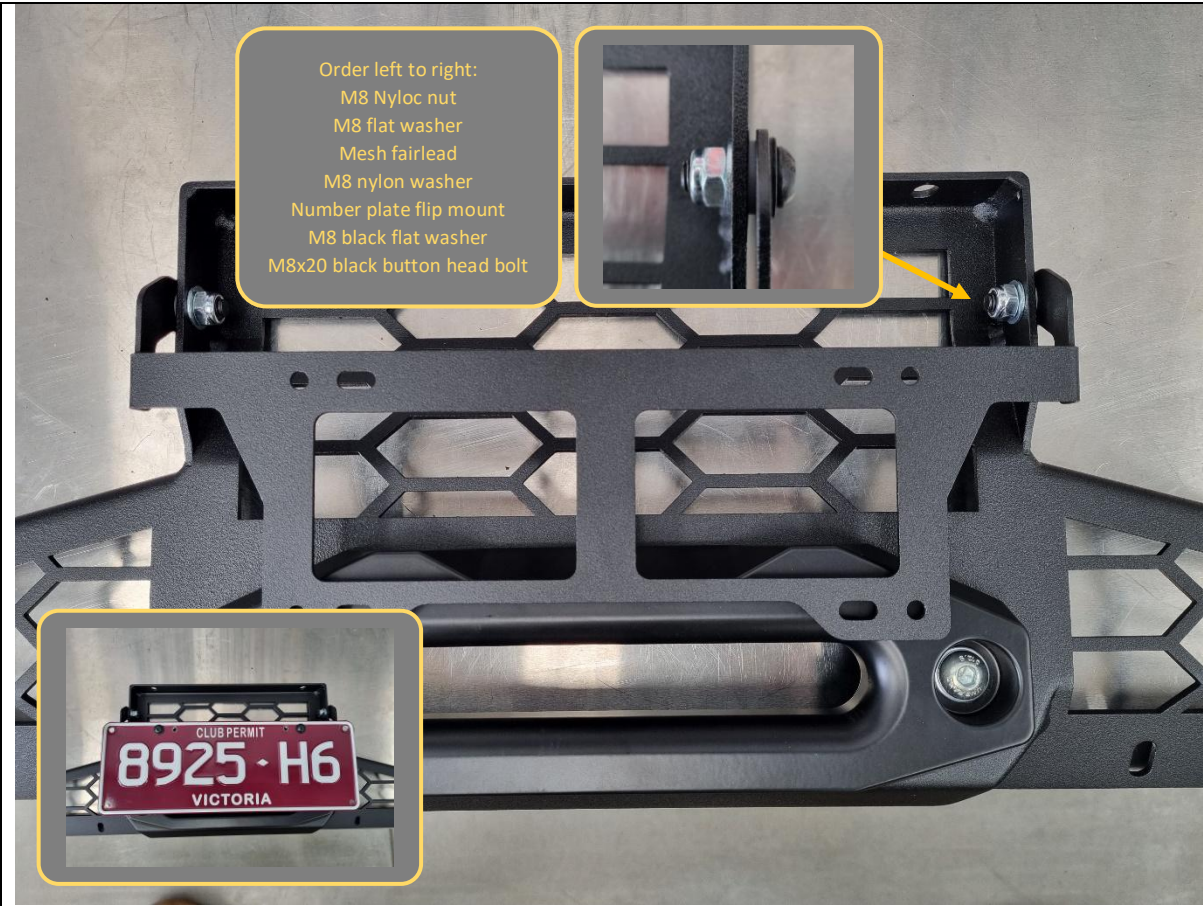
13mm socket/spanner

FASTENERS

Supplied with winch

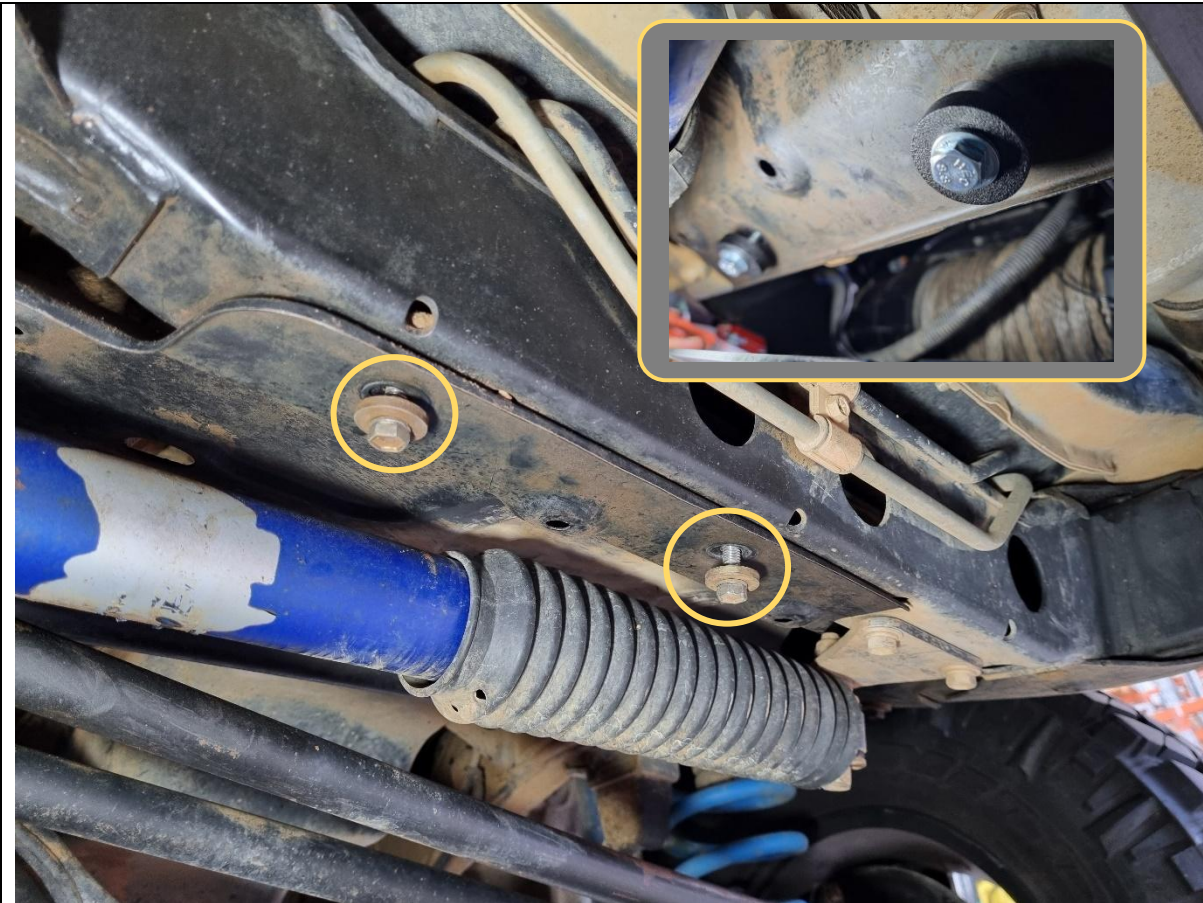2x M8x20 hex bolt
2x M8 flat washer
2x M8 flange nut

87. If required, fit the winch fairlead to the centre mesh fairlead mount using M10 or 3/8" fasteners supplied with the winch. This bar is only compatible with hawse type fairleads.	**TOOLS REQUIRED** Refer to instructions supplied by winch
	FASTENERS Supplied with winch

Order left to right:
M8 Nyloc nut
M8 flat washer
Mesh fairlead
M8 nylon washer
Number plate flip mount
M8 black flat washer
M8x20 black button head bolt

88. Fit number plate flip mount to mesh panel as shown above. Tighten bolts so that flip mount and can be moved by hand with some friction resistance. 89. Attach number plate to mount using 2x M6x16 black button head bolts, black washers and flange nuts.	**TOOLS REQUIRED** 5mm hex/Allen key 13mm socket/spanner 4mm hex/Allen key --- **FASTENERS** 2x M8x20 black button head 2x M8 black flat washer 2x M8 nylon washer 2x M8 flat washer 2x M8 flange nut 2x M6x16 black button head 2x M6 black flat washer 2x M6 flange nut

	TOOLS REQUIRED
90. Fit the mesh fairlead mount to the threaded holes in the centre of the bar, using 2x M8x20 black button head bolts (top), 2x M8x20 hex head bolts (bottom) and 4x flat washers (2x black heavy-duty for the top, 2x heavy-duty for the bottom). 91. Tighten fasteners using 13mm socket/spanner and 5mm hex/Allen key.	13mm socket/spanner 5mm hex/Allen key
	FASTENERS
92. Feed winch cable through the hawse fairlead if applicable.	2x M8x20 black button head 2x M8 black heavy-duty flat washer 2x M8x20 hex head 2x M8 heavy-duty washer

93. Remove the front 2x factory skid plate bolts on the underside of the vehicle. 94. Very loosely fit 2x M8x30 hex bolts, heavy-duty washers and P-0394 spacer blocks through the skid plate bolt holes.	**TOOLS REQUIRED** 12mm socket/spanner
	FASTENERS 2x M8x30 hex bolt 2x M8 heavy-duty washer 2x P-0394 spacer block

95. Slide the rear of the centre bash plate onto the 2x M8x30 hex bolts, in between the washers and spacer blocks. 96. Fit the centre bash plate to the bar using 4x M8x30 black button bolts and black heavy-duty washers. 97. Tighten all bolts	**TOOLS REQUIRED** 5mm hex/Allen key 13mm socket/spanner
	FASTENERS 4x M8x30 black button head 4x M8 black heavy-duty flat washer

98. Review fitment and double check all bolts are tightened correctly.

99. Congratulations! You're done! Hit the tracks with your refreshed looking 80 series!

TOOLS REQUIRED

FASTENERS