



## Toyota LandCruiser 80 Series

1990-1997

## Predator & Toro Front Bar Fitting Instruction

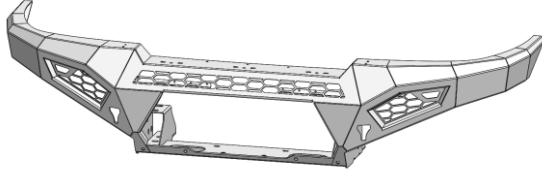
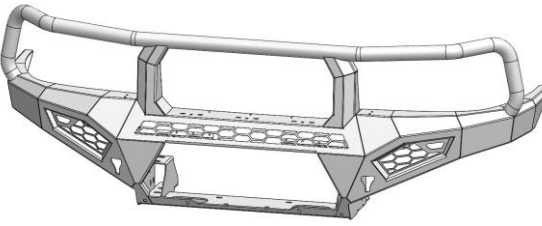
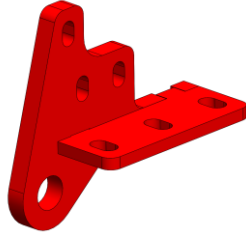
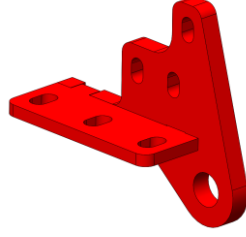
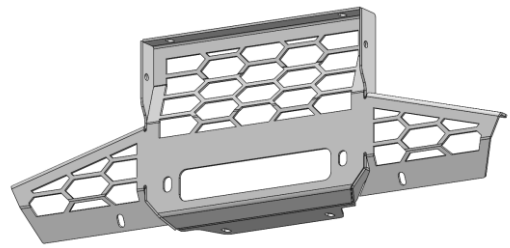
### **IMPORTANT! – READ BEFORE INSTALLATION**

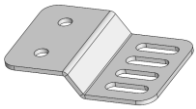
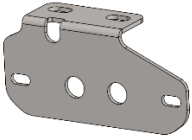
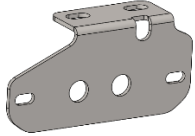
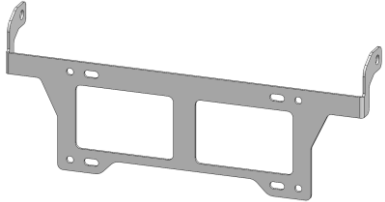
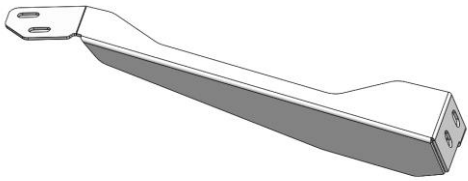
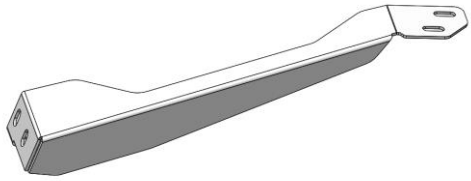
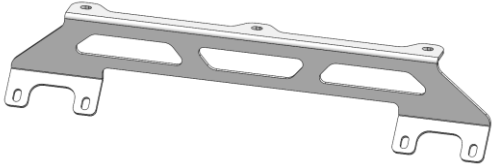
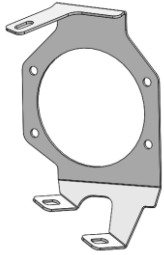
- This product must be installed exactly as per these instructions using only hardware supplied.
- Take a few moments to read instructions thoroughly before beginning work.
- In the event of damage to any bar component please contact OFFROAD ANIMAL to arrange repair/replacement of components.
- Do not 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.

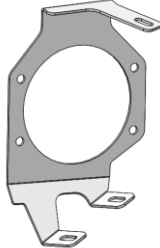
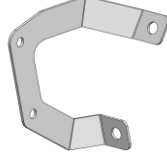


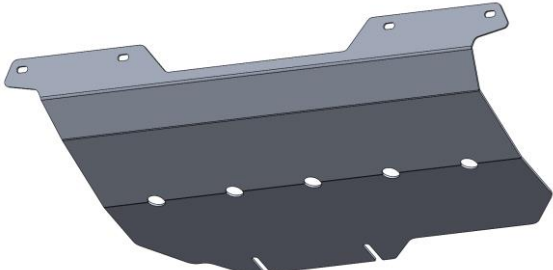
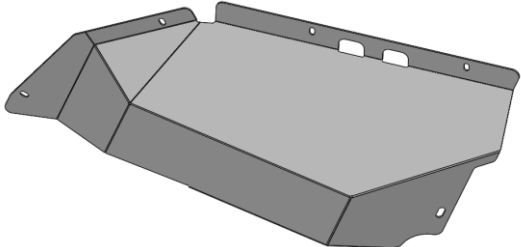
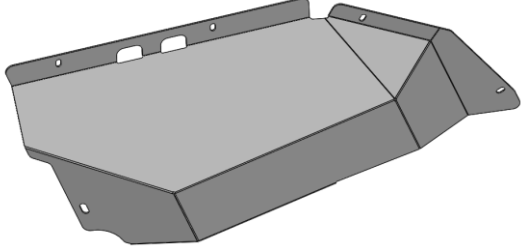
# PARTS LISTING

**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      |    |
| <b>OR</b> |                       |                                    |  |
| 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 |   |
| 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<br>11CAT1M-2 Front Indicator - Twin Blister Pack |     |
| 1                | FB-TLC-80-90-PR-ADRCP | ADR Compliance Plate<br>80 Series                              |     |
| 2                | PWS-TOP-850           | Pinch Weld PWS51T - Top Bulb Seal 850mm                        | N/A   |
| 2                | PW-P-14X9-400         | Pinch Weld - Plain<br>14X9MM, Rubber,<br>400mm Length          | N/A   |
| <b>TORO ONLY</b> |                       |  |   |
| 2                | B-0649                | Toro Antenna Bracket<br>– 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   |
| 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   |
| 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.

| <b>Hand Tools</b>             | <b>Power Tools</b>                    | <b>Workshop Equipment</b>  |
|-------------------------------|---------------------------------------|----------------------------|
| Metric socket set 5.5-19mm    | Electric/Air Impact Driver (Optional) | Masking tape               |
| Socket extension bar          | Air hacksaw                           | Marker pen                 |
| Metric spanner set 5.5-19mm   | or<br>Die grinder                     | Ruler                      |
| Hex (Allen) key set 4-6mm     | or<br>Oscillating multi-tool          | 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 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> |



**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.

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.

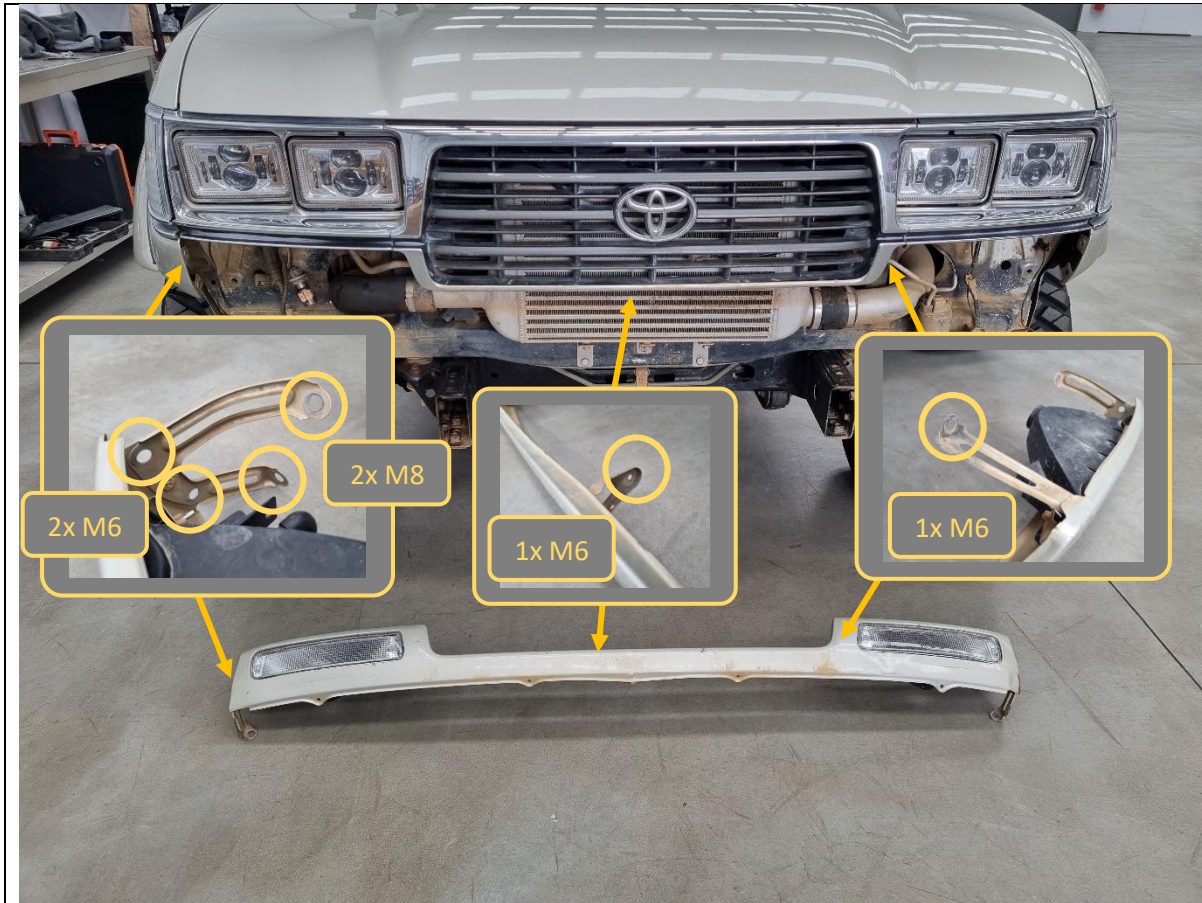
It is highly recommended to use penetrating oil when removing all bolts, since these vehicles are old.

3. Remove tow hooks (factory or aftermarket).

**TOOLS REQUIRED**

Lubricant or penetrating oil  
(eg. WD-40)

**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**

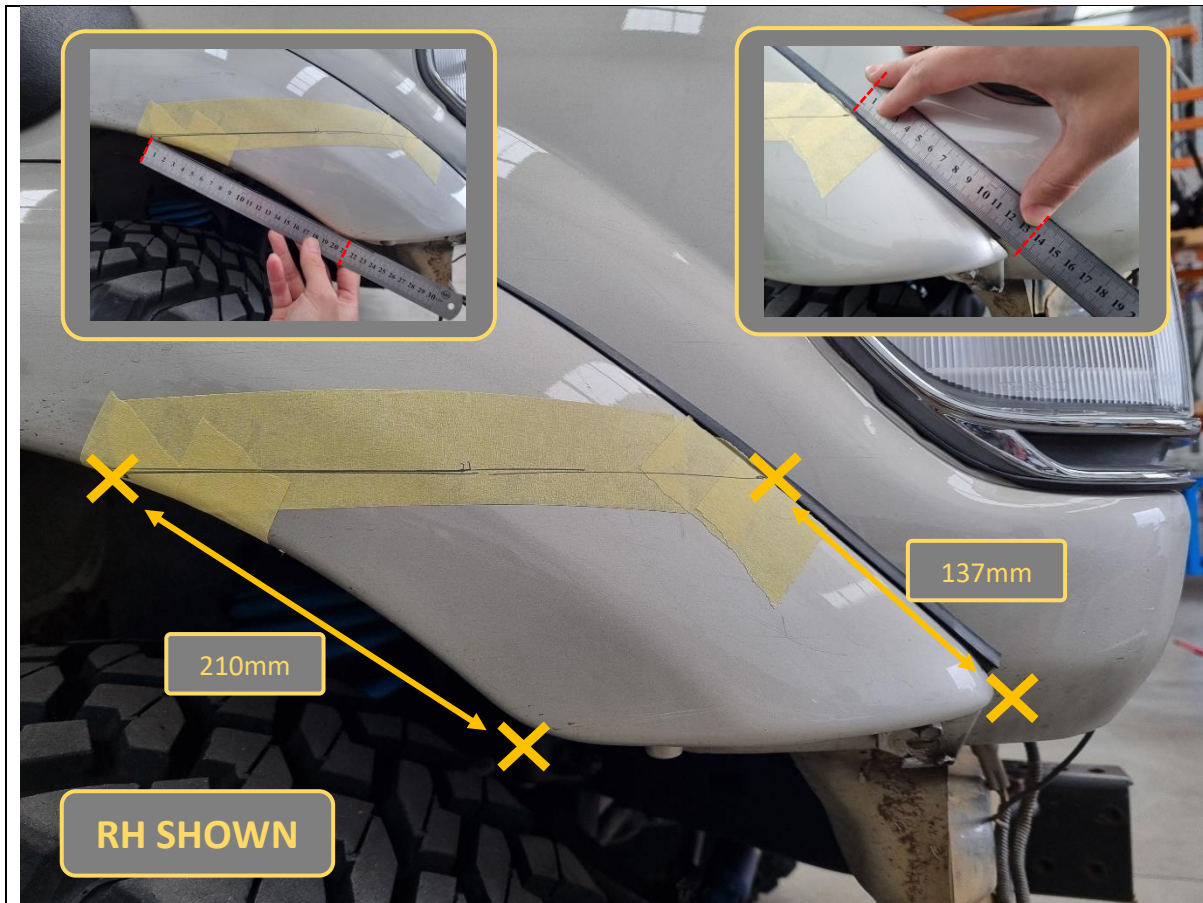


- 11. Vehicles equipped with flares require the flare to be trimmed. The flare will be trimmed to match the bar, after it has been fitted.
- 12. The following information is correct for OE flares.  
Aftermarket flares – trim to fit the bar later.
- 13. We will mark the flare with an approximate cut position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

**TOOLS REQUIRED**

Masking tape

**FASTENERS**



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.

|                       |
|-----------------------|
| <b>TOOLS REQUIRED</b> |
| Marker pen<br>Ruler   |
| <b>FASTENERS</b>      |



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.

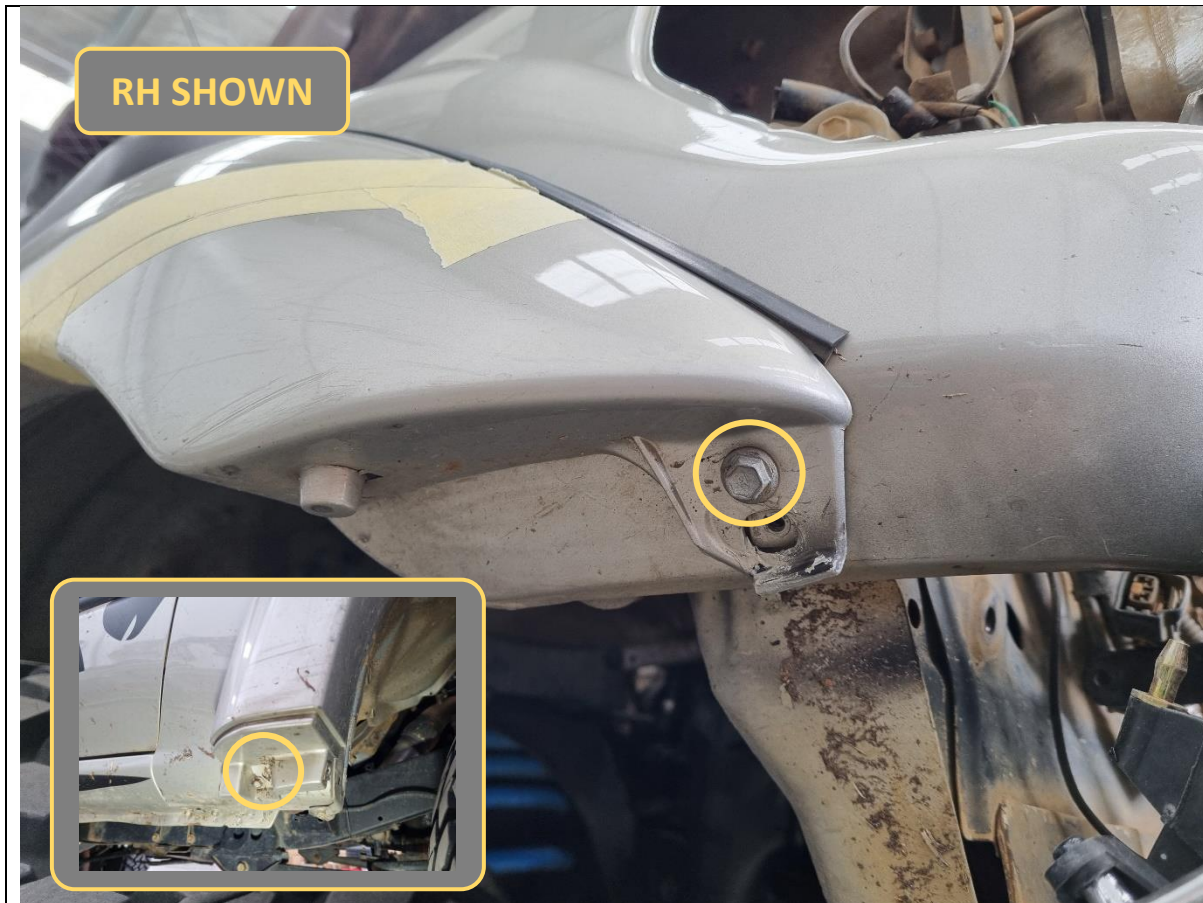
**TOOLS REQUIRED**

Phillips head screwdriver

**FASTENERS**

4x Phillips head screws

Retain for re-assembly



- 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.

**TOOLS REQUIRED**

10mm socket/spanner

**FASTENERS**

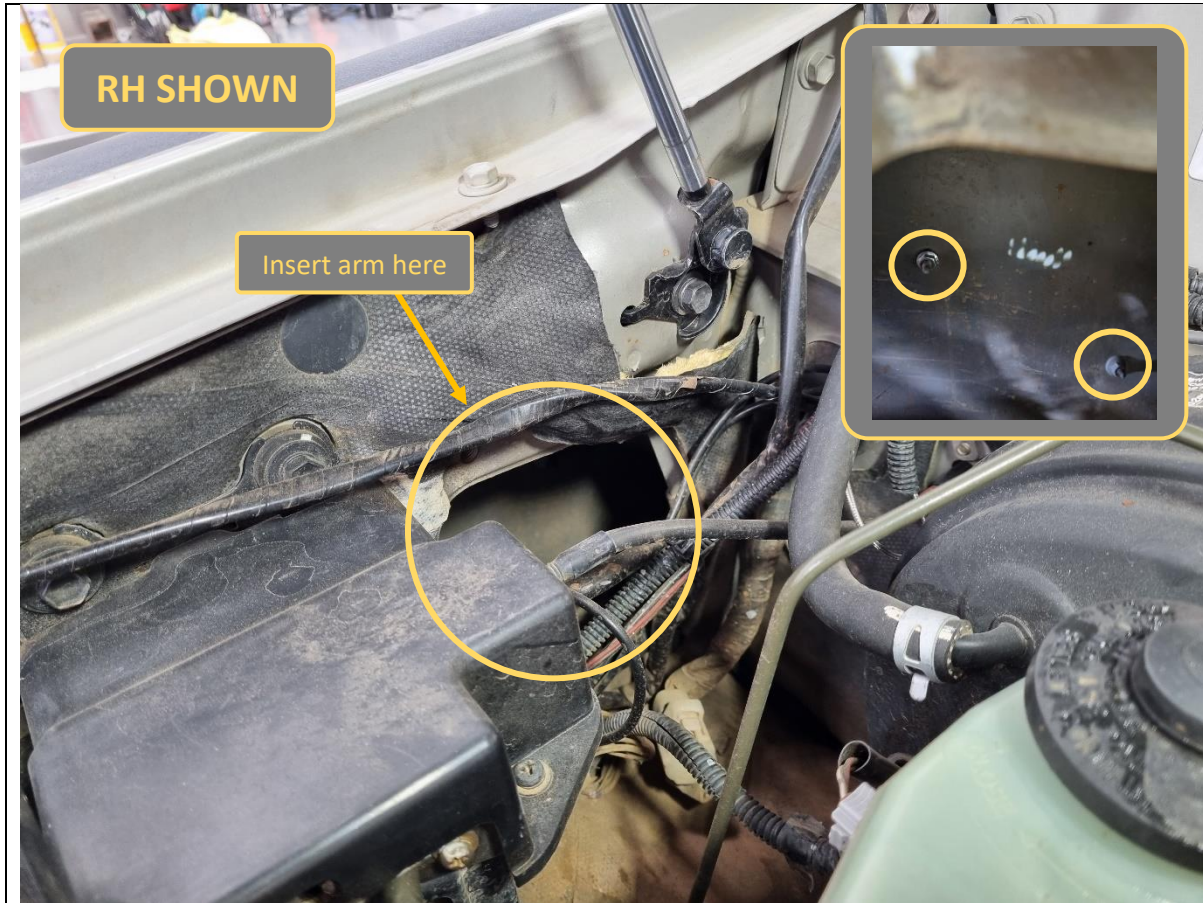
10mm hex bolt

Retain for re-assembly



|   |   |
|---|---|
| <p>22. Different vehicles will have the flare attached in slightly different ways.</p> <p>There are 5x holes inside the quarter panel for either plastic clips or studs/10mm hex nuts to secure the flare.</p>  | <p><b>TOOLS REQUIRED</b></p> <p>10mm socket/spanner</p>                                     |
| <p>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.</p> <p>24. If studs and nuts are used, remove the nuts with a 10mm spanner.</p> <p>25. If not, gently pull outwards on the flare to release the plastic clips.</p> | <p><b>FASTENERS</b></p> <p>10mm hex bolt<br/>Plastic clip</p> <p>Retain for re-assembly</p> |





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

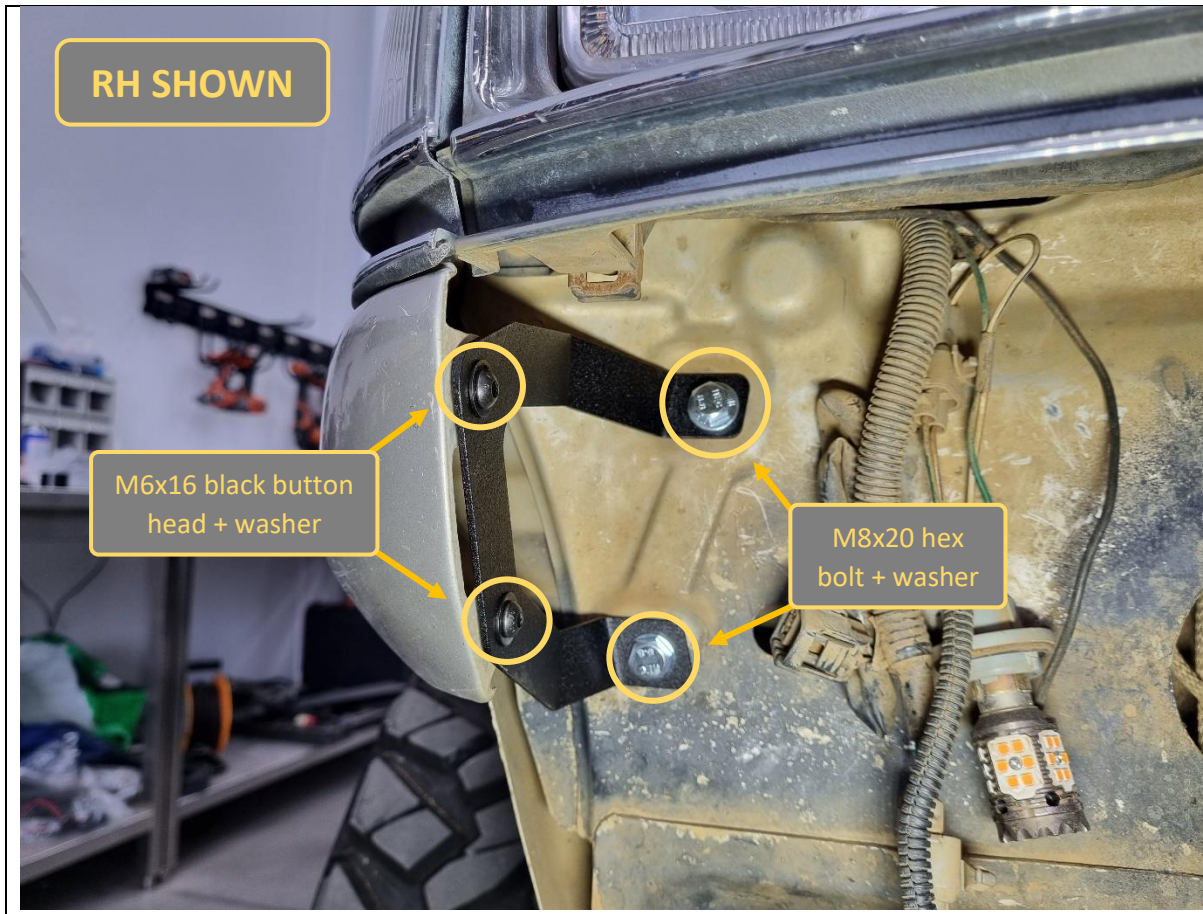
Retain for re-assembly



- 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. This bar can support up to 3x 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.
- 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.

**TOOLS REQUIRED**

4mm hex/Allen key

**FASTENERS**

7x M6x16 black button head bolt  
7x M6 black flat washer  
7x M6 flange nut



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



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

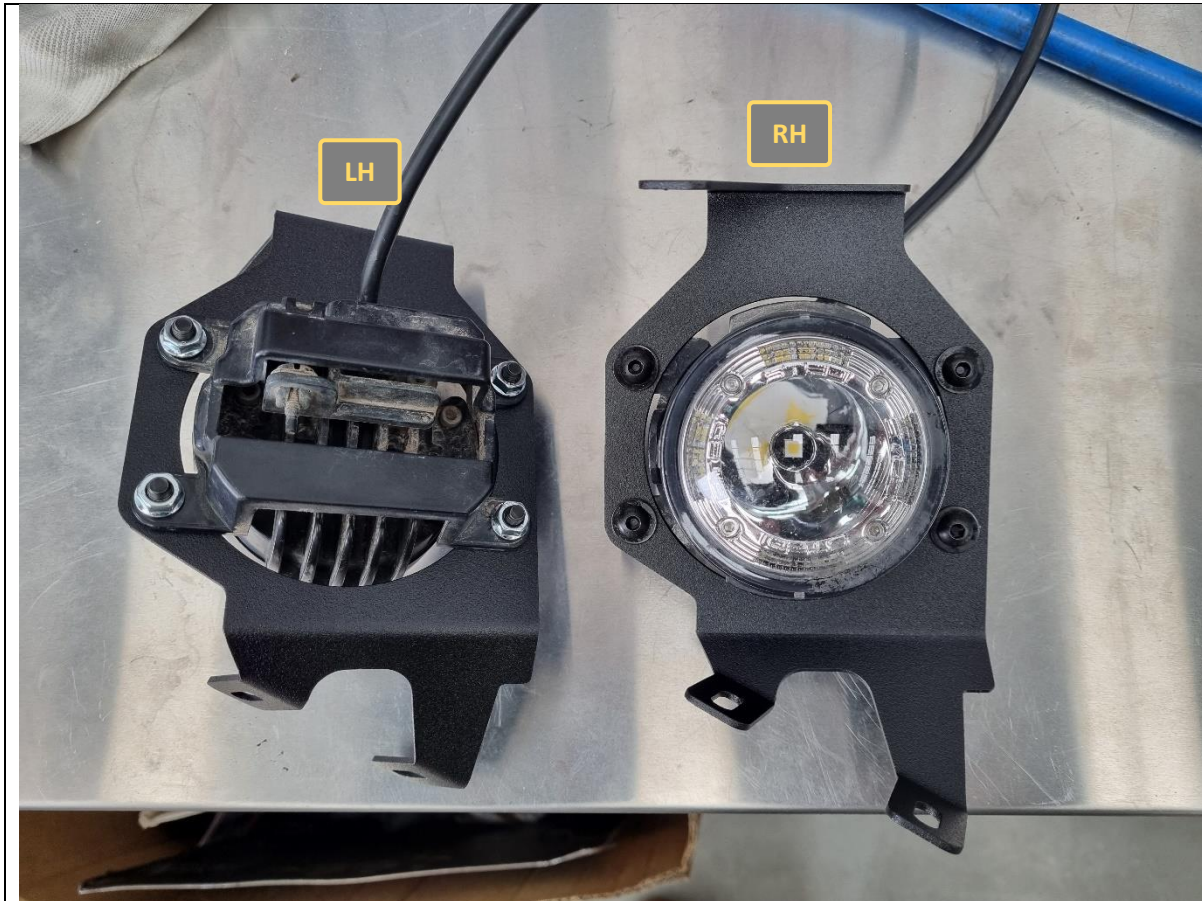




42. Fit the 2x supplied of top bulb pinch weld rubber to each wing on the bullbar, as shown.

**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



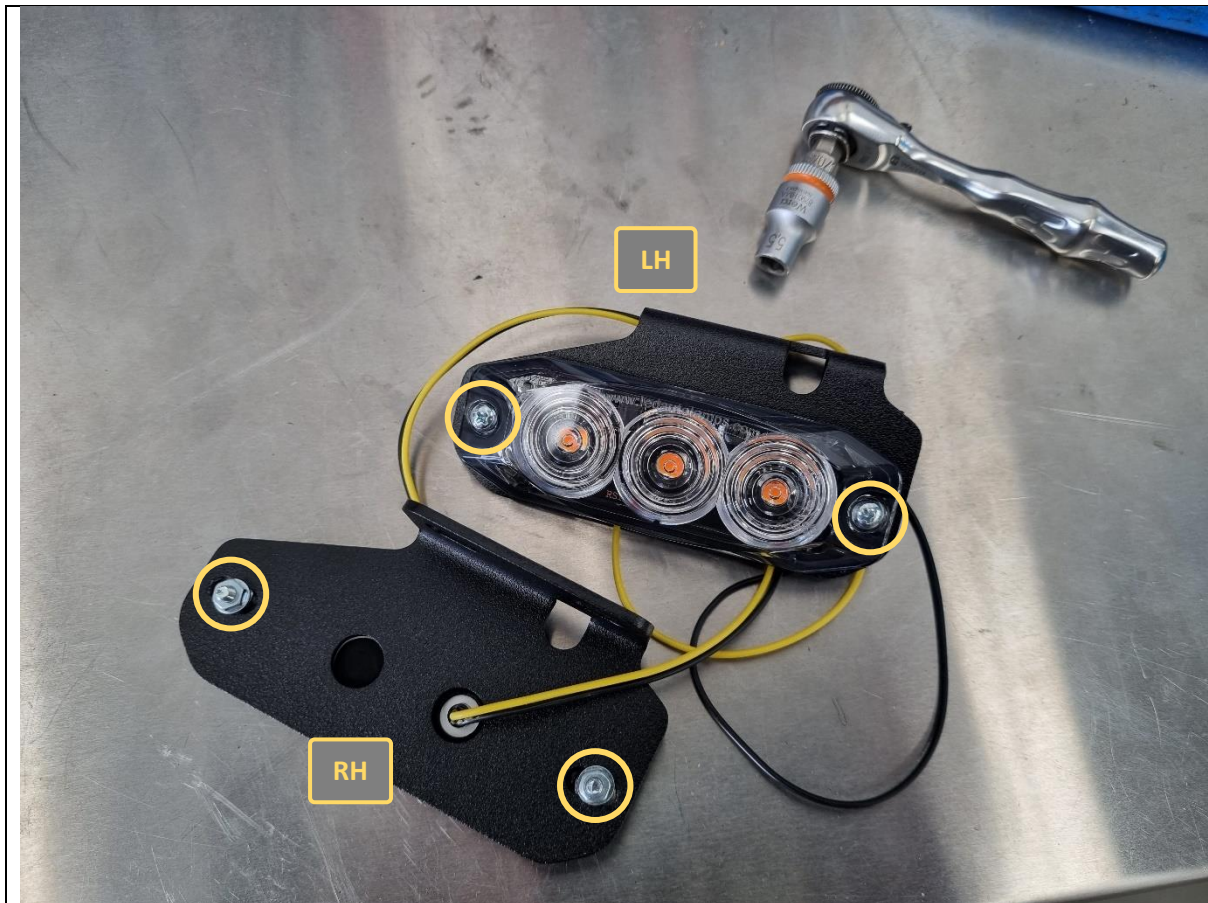
- 45. Fit the bracket to the inside of the bar wing.
- 46. Secure the top with 1x M6x16 black button head bolt and washer.
- 47. Secure the bottom with 2x M6x16 black button head bolts, washers and flange nuts.
- 48. Repeat for other side.

**TOOLS REQUIRED**

4mm hex/Allen key

**FASTENERS**

6x M6x16 black button head  
6x M6 black flat washer  
6x M6 flange nut



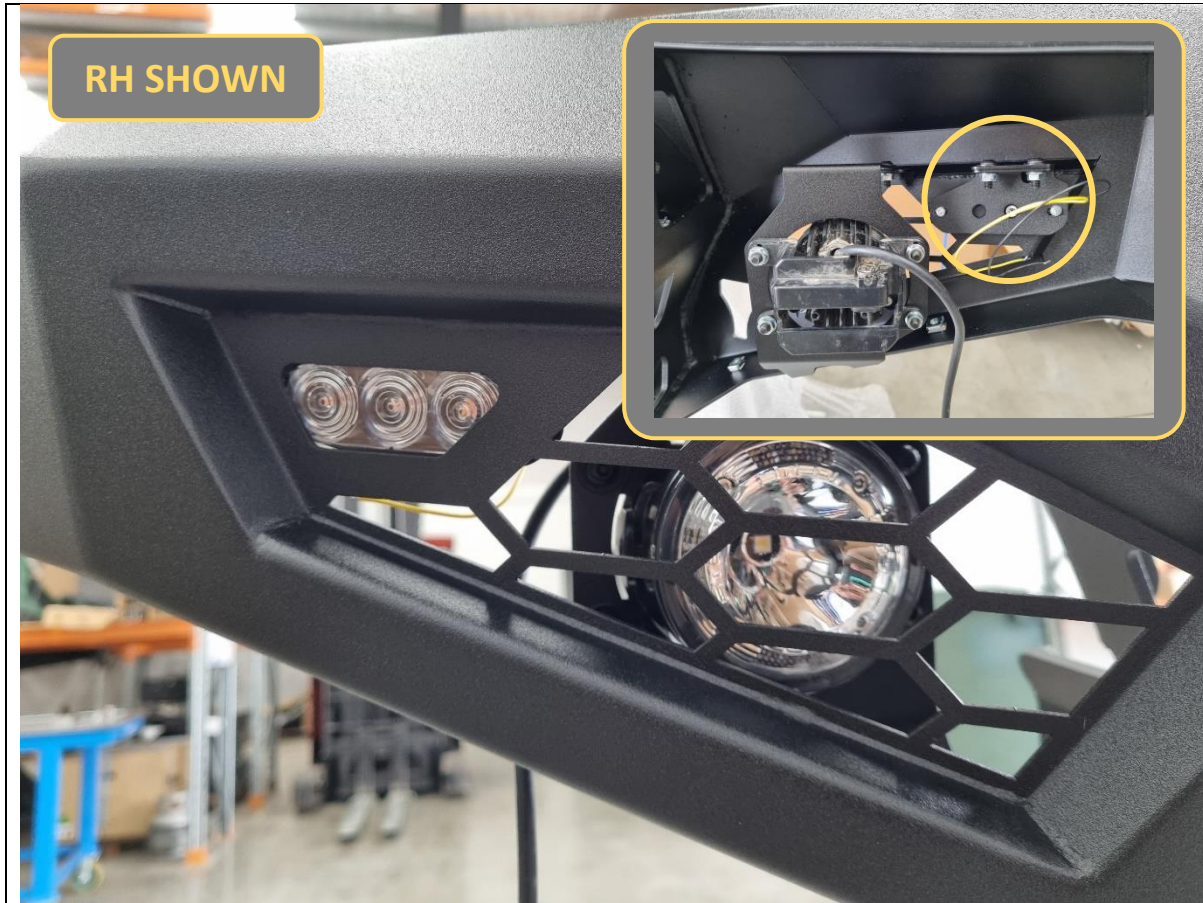
49. Fit the indicator repeater lamps to the indicator brackets, using M3x12 pan head screws, washers, nuts and the adhesive backing included with the lamp module.

**TOOLS REQUIRED**

Phillips head screwdriver  
5.5mm socket/spanner

**FASTENERS**

4x M3x12 pan head screw  
4x M3 flat washer  
4x M3 hex nut



50. Fit the indicators/brackets to the inside of each bar wing.

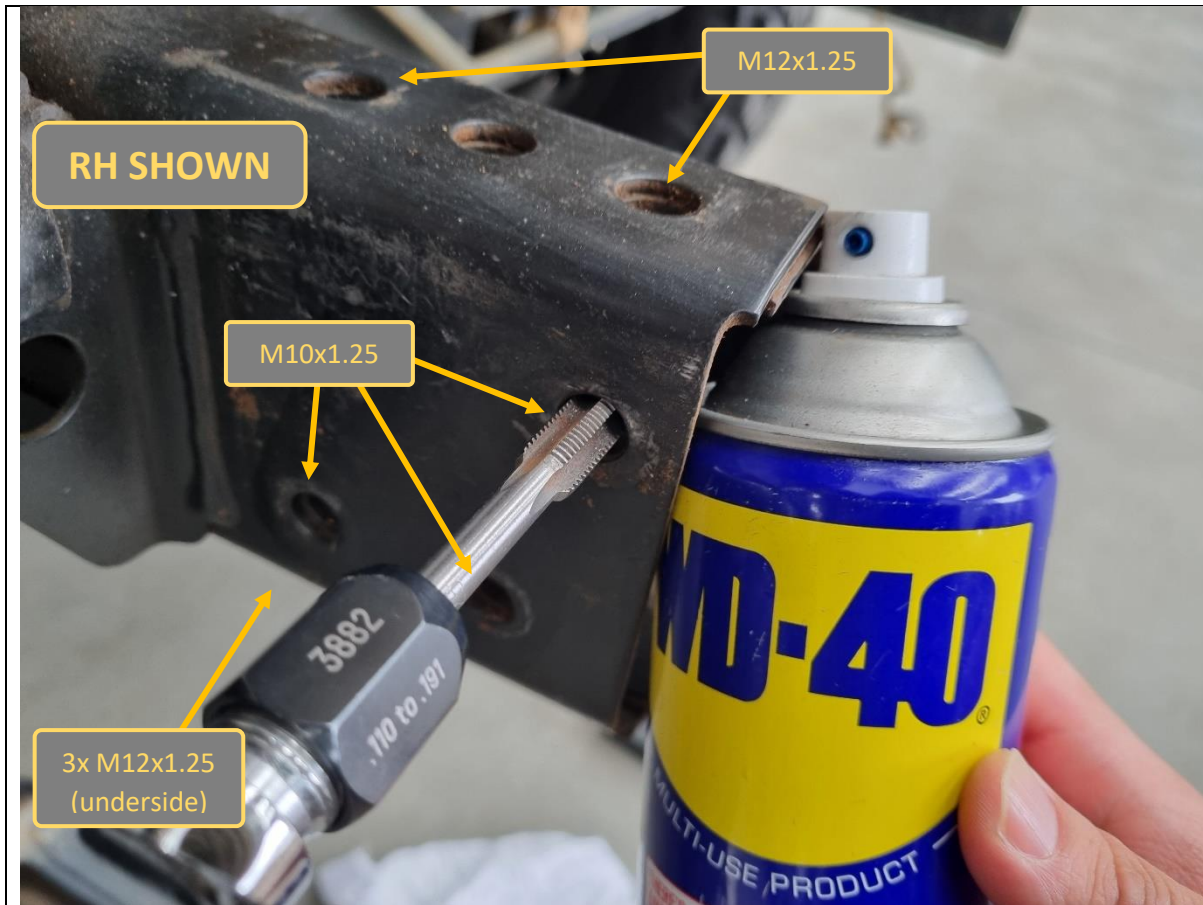
51. Secure each indicator/bracket with 2x M6x16 black button head bolts, washers and flange nuts.

**TOOLS REQUIRED**

4mm hex/Allen key

**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**





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.

**TOOLS REQUIRED**

**FASTENERS**

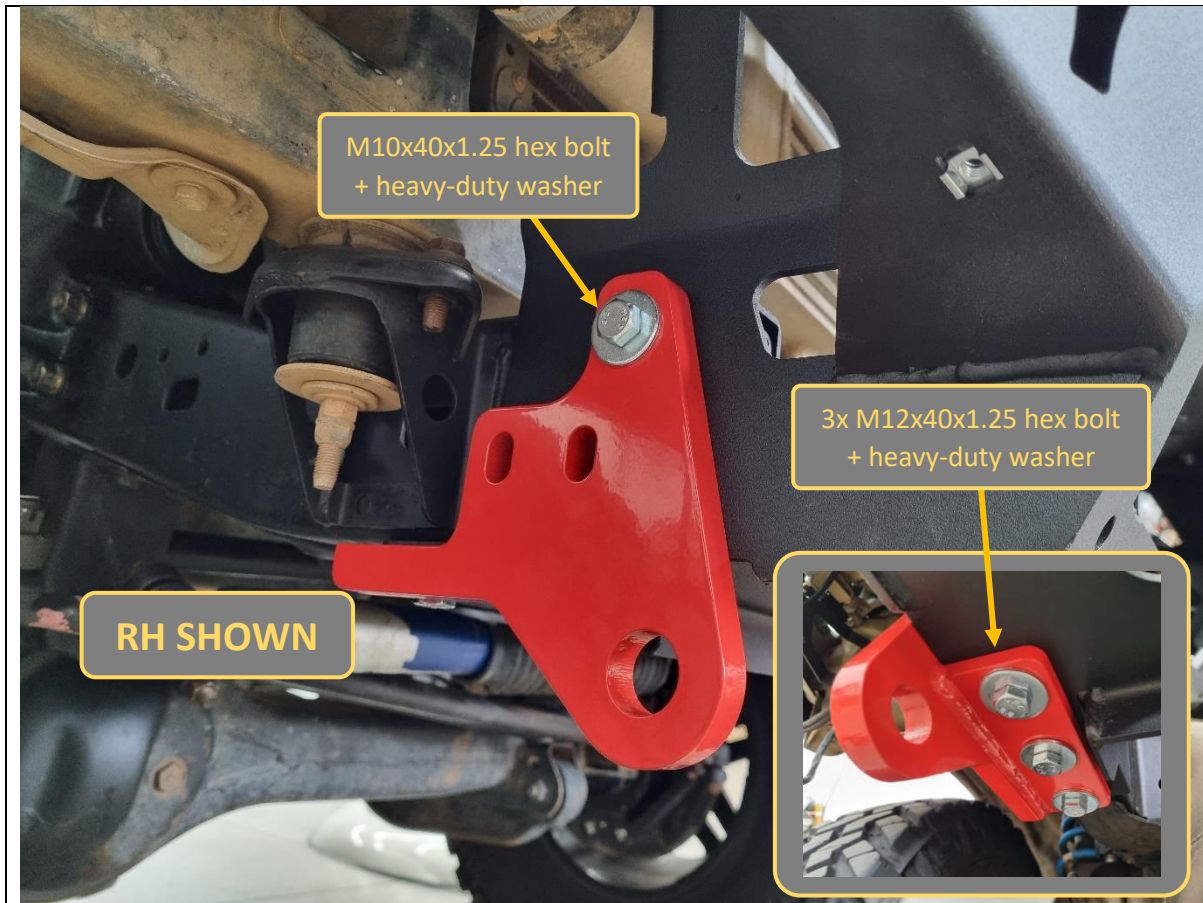
4x M12x30x1.25 hex bolt  
4x M12 heavy-duty washer



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

**TOOLS REQUIRED**

**FASTENERS**



- 62. Fit each tow point to the outside of the chassis.
- 63. Loosely fit 1x M10x40x1.25 hex bolt and heavy-duty washer on the side of tow point.
- 64. Loosely fit 3x M12x40x1.25 hex bolts and heavy-duty washers on the underside of the tow point.
- 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.

**TOOLS REQUIRED**

- 16/17mm socket/spanner
- 18/19mm socket/spanner

**FASTENERS**

- 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**



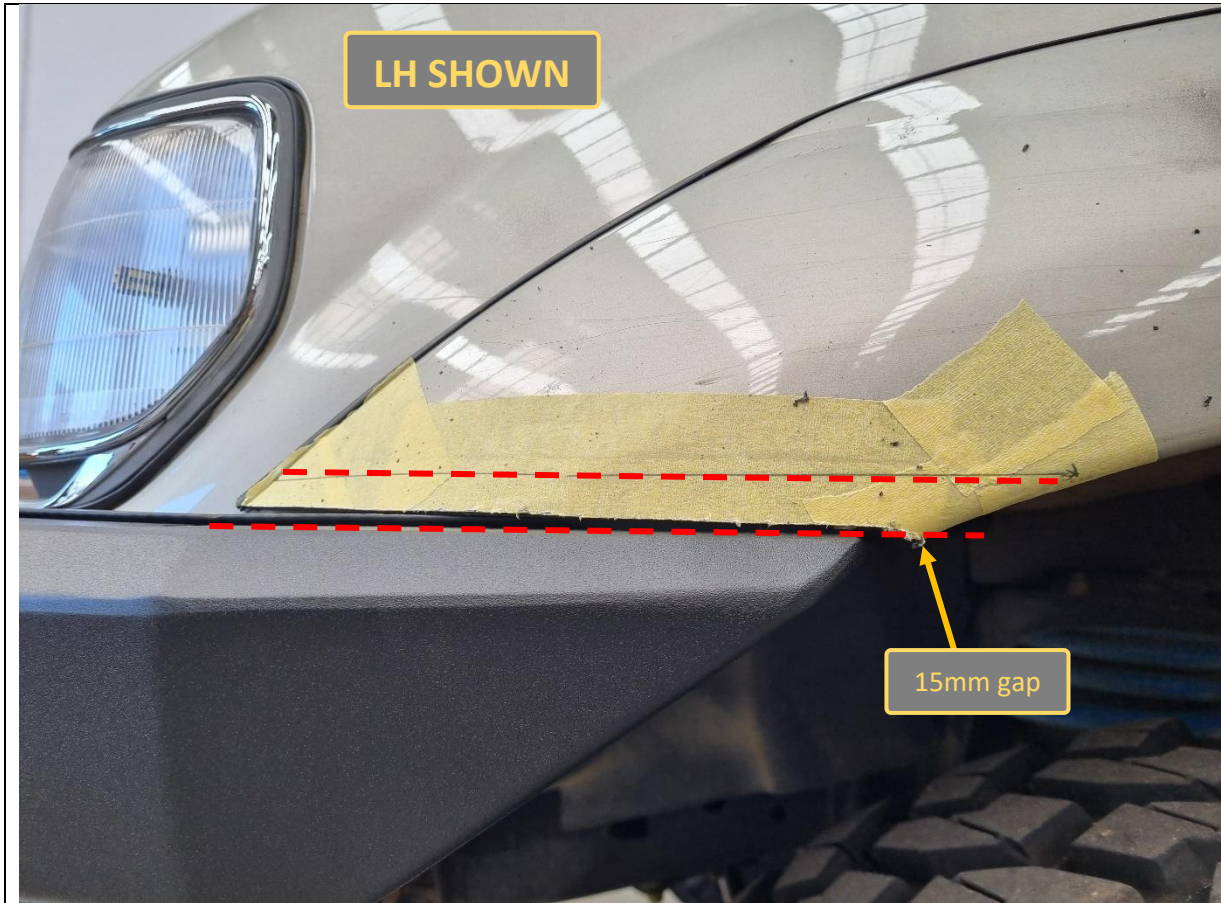
67. It is time to cut the flare.

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.

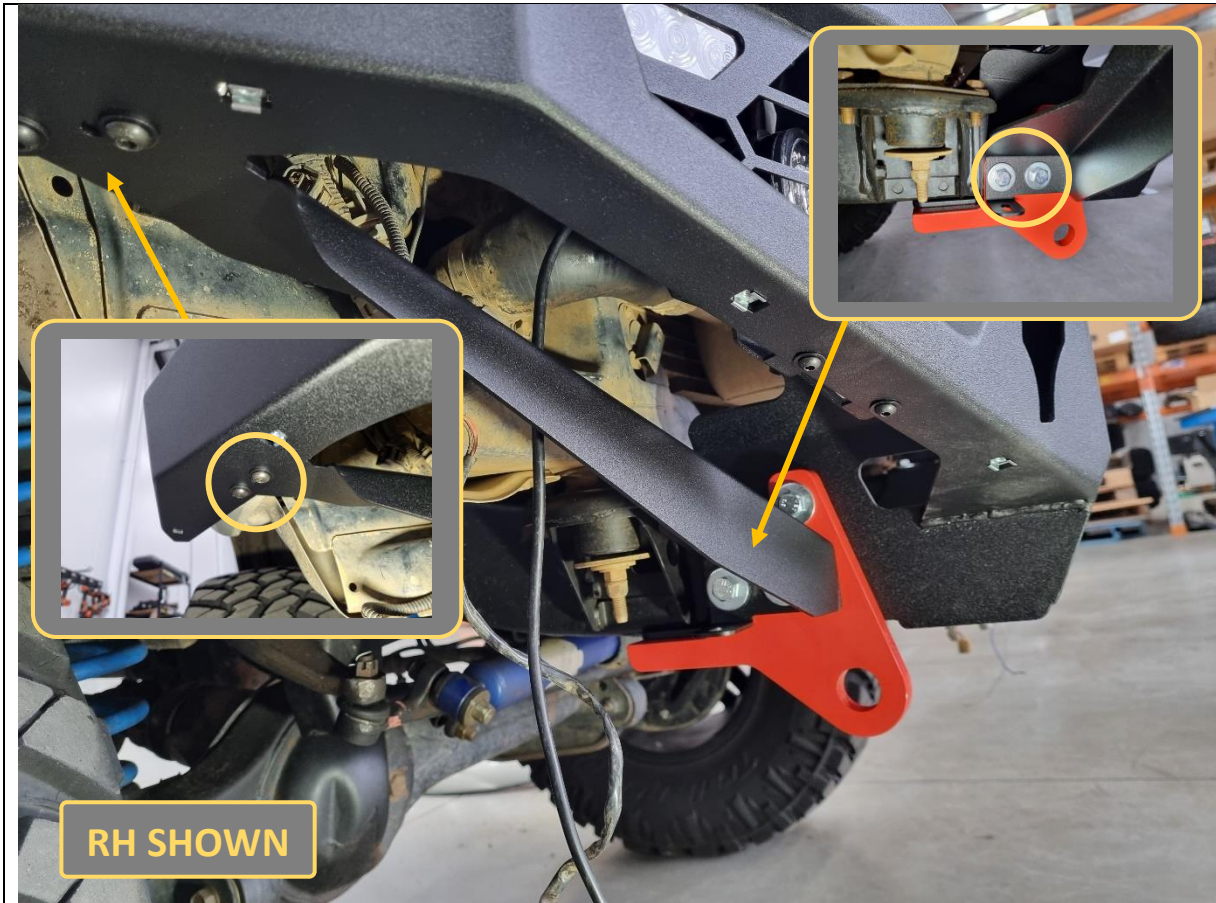
**TOOLS REQUIRED**

Ruler  
Marker pen

**FASTENERS**



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



**RH SHOWN**

- 77. Fit the wing brace between the underside of the bar wing tip and tow point.
- 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.
- 80. Repeat for other side.

**TOOLS REQUIRED**

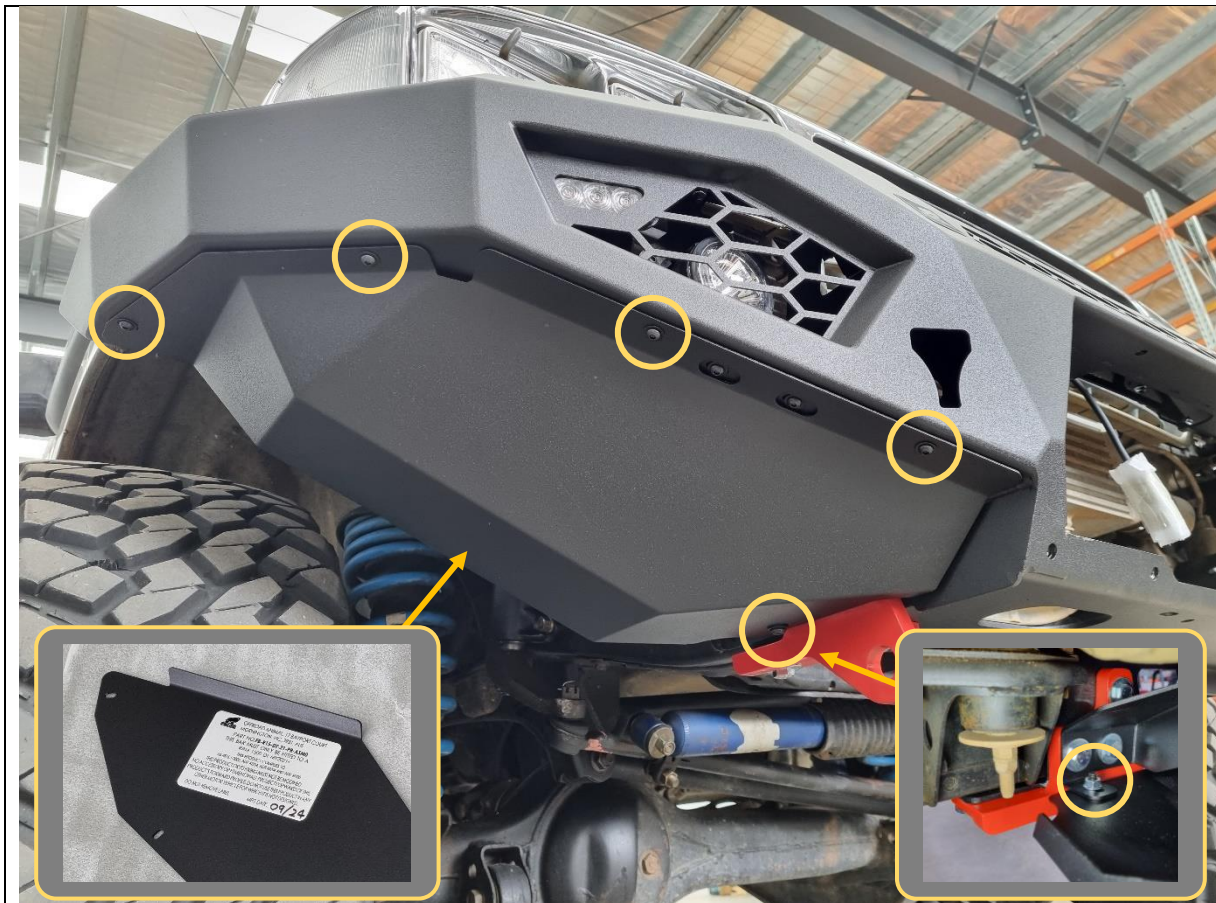
5mm hex/Allen key  
16/17mm socket/spanner

**FASTENERS**

4x M8x20 black button head  
4x M8 black heavy-duty flat washer

4x M10x50x1.25 hex bolt  
4x M10 heavy-duty washer





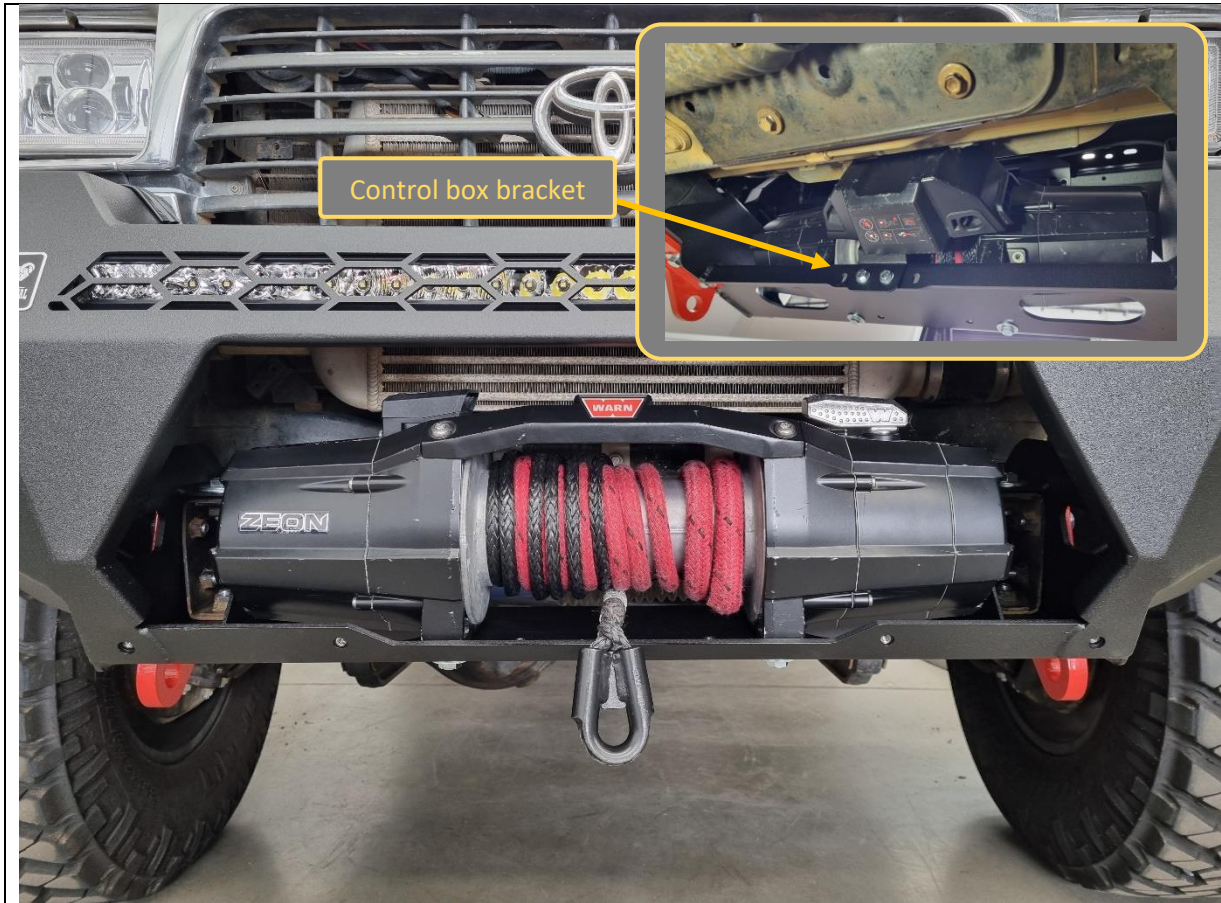
81. Fit the supplied compliance label to the inside of one of the side underpanels.
82. Secure the side underpanel to the bar with 4x M6x16 black button head bolts and black flat washers.
83. Secure the side underpanel to the wing brace (see inset) using 1x M8x20 black button head bolt, black washer 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



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



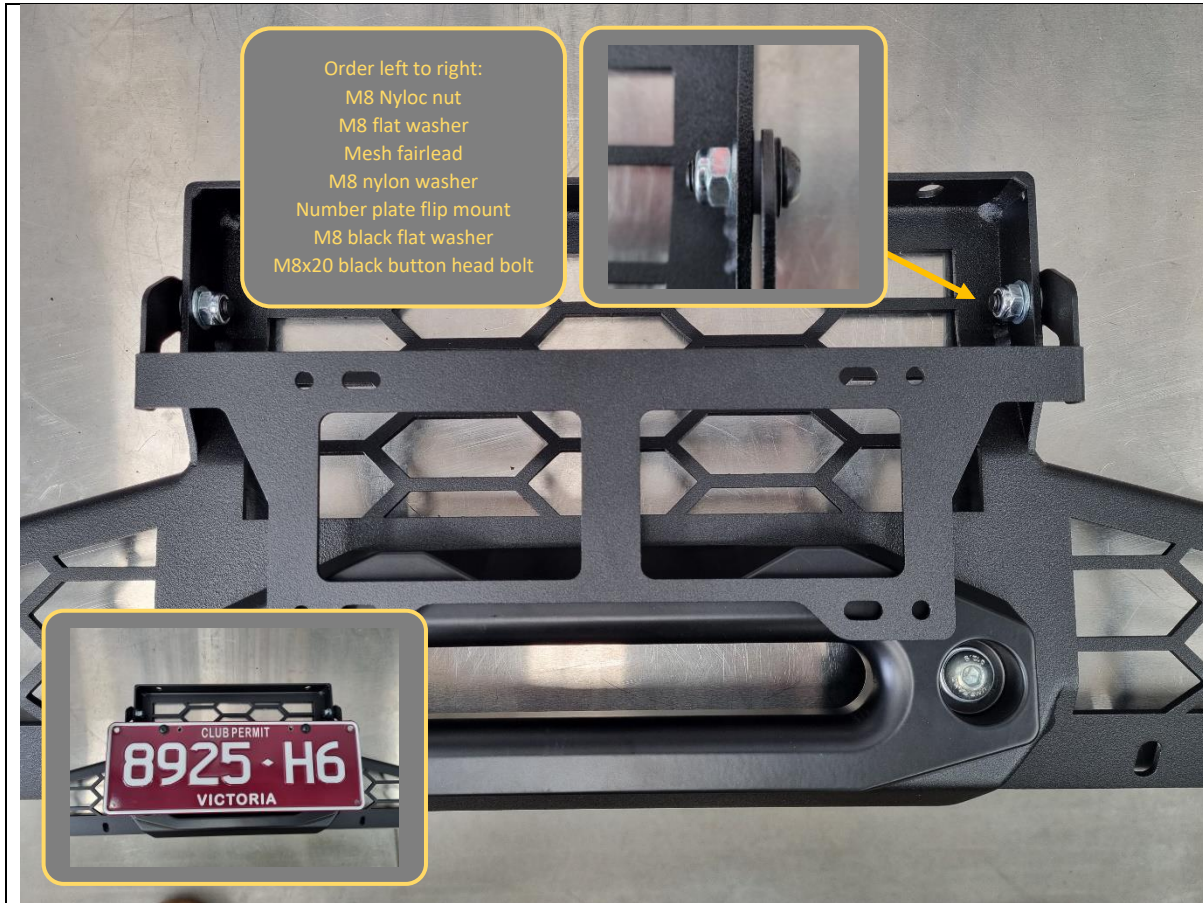
87. If required, fit the winch fairlead to the centre mesh fairlead mount using M10 or 3/8" fasteners supplied with the winch. This bar is only compatible with hawse type fairleads.

**TOOLS REQUIRED**

Refer to instructions supplied by winch

**FASTENERS**

Supplied with winch



- 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



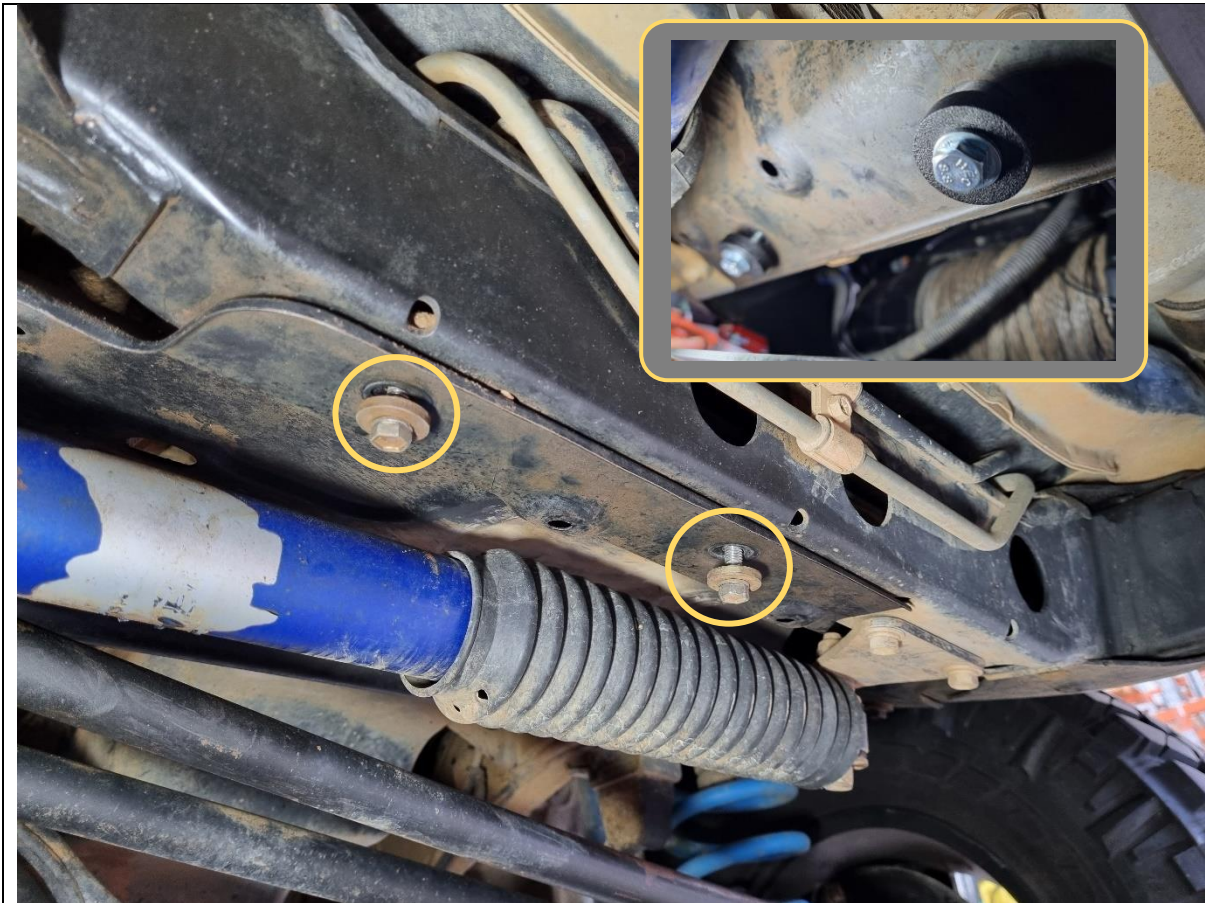
90. Fit the mesh fairlead mount to the threaded holes in the centre of the bar, using 2x M8x20 black button head bolts (top), 2x M8x20 hex head bolts (bottom) and 4x flat washers (2x black heavy-duty for the top, 2x heavy-duty for the bottom).
91. Tighten fasteners using 13mm socket/spanner and 5mm hex/Allen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

**TOOLS REQUIRED**

- 13mm socket/spanner
- 5mm hex/Allen key

**FASTENERS**

- 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**