



Suzuki Jimny JB74 (including XL)
MY2018-Current
Predator & Toro Bull 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 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 color, for best legibility.
- Estimated install time: 2-3 hours
- There is a full video showing this install here
<https://www.youtube.com/watch?v=rfrDa2nmyXw>

GENERAL CARE AND MAINTENANCE

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

Plastic parts may be maintained with silicone spray.

Do not use acidic or alkaline based cleaning products.

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

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

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

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

BOLT TORQUE SETTINGS

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

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

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

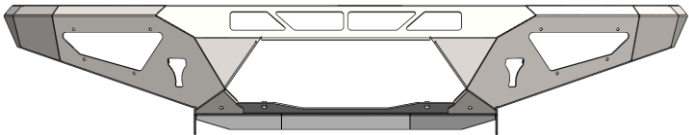
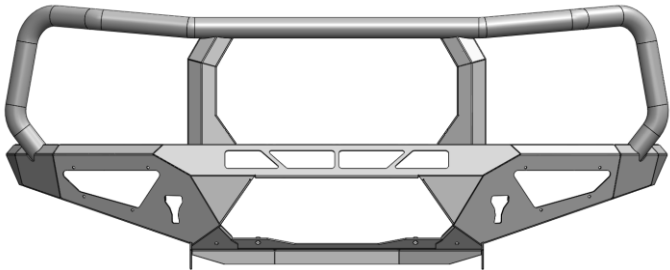
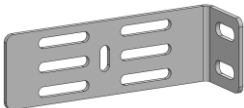
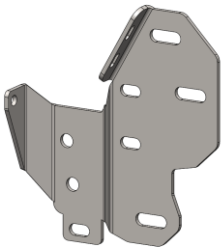
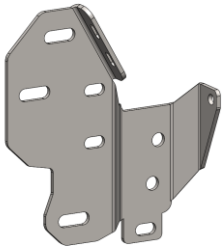
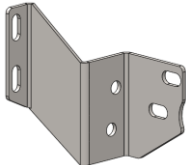
FRONT BAR MOUNTS AND TOW POINTS + REAR TOWBAR	
Size	Torque Nm
M10	57 Nm
M12	100 Nm
M14	164 Nm
M16	248 Nm

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


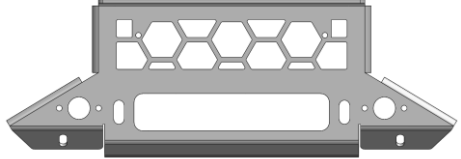


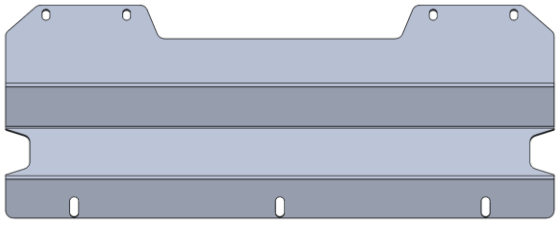
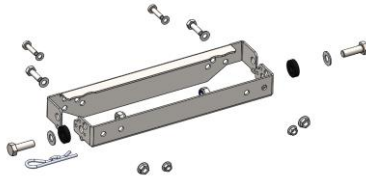

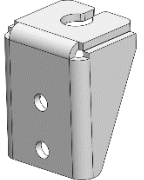
PARTS LISTING

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

Main Parts – In the Box

Qty	Part Number	Description	Image
1	FB-SJM-JB74-19-PR-ASM1	JIMNY JB74 WELDMENT	
OR			
1	FB-SJM-JB74-19-TOR-ASM1	Jimny JB74 Toro Bar Weldment	
1	B-0216	Ranger Winch control box bracket	
1	B-0709R	JB74 CHASSIS MOUNT OUTER RH	
1	B-0709L	JB74 CHASSIS MOUNT OUTER LH	
1	B-0710R	JB74 CHASSIS MOUNT INNER RH	

1	B-0710L	JB74 CHASSIS MOUNT INNER LH	
1	B-0711R	JB74 RECOVERY POINT RH	
1	B-0711L	JB74 RECOVERY POINT LH	
1	B-0712R	JB74 FOG LIGHT BRACKET RH	
1	B-0712L	JB74 FOG LIGHT BRACKET LH	
1	B-0713R	JB74 WING BRACE RH	
1	B-0713L	JB74 WING BRACE LH	
1	B-0714	JB74 PAN BRACE	
1	M-0002R	Light Cover Mesh RH	

1	M-0002L	Light Cover Mesh LH	
1	M-0027	JB74 CENTRE MESH	
1	P-0226	JB74 RECOVERY POINT CLAMP	
1	P-0227	JB74 WINCH ADAPTOR PLATE	
1	U-0048	Bash Plate JB74	
1	NPF-COM-SM-ASM0	Number plate flip asm Small	
1	FB-SJM-GJ-19-PR-ADRCP	ADR Compliance Plate Jimny GJ 19+	 <p>OFFROAD ANIMAL 17 BAYPORT COURT MORNINGTON VIC 3558, AUS PART NO: FB-SJM-GJ-19-PR-ADRCP THIS BAR MUST ONLY BE FITTED TO A SUZUKI JIMNY GJ 2017+ IN PRODUCT COMPLIANCE AS4043 LABEL NO: 1004-004-0001-7500 THE PRODUCT CANNOT BE USED IN ANY MANNER THAT IS NOT INTENDED OR FOR WHICH IT WAS NOT DESIGNED DO NOT REMOVE LABEL INFO DATE:</p>
TORO ONLY			
2	B-0649	Toro Antenna Bracket – 90 Degree Tall	

Small Parts – Contained in Small Parts Kit Bag

Qty	Part Number	Description
2	M6 X 20 HEX	M6X20 HEX BOLT, ZP, 8.8
20	M6x16 BHCS BLACK ZINC	SCREW, BUTTON HEAD CAP, M6X16X1 GR12.9, ISO4042 ZnNi BLACK PASSIVATED FINISH
2	M6 FLAT WASHER	M6 Flat Washer
20	M6 FLAT WASHER BLACK ZINC	M6 Flat Washer, 12x6.1x1, ISO4042 ZnNi BLACK PASSIVATED FINISH
22	M6 FLANGE NUT	Flange Nut, M6x1 G8.8 ZP
6	M8 X 30 HEX	Bolt Hex, M8X30X1.25, GR8.8 ZP
13	M8 X 20 BHCS BLACK ZINC	SCREW, BUTTON HEAD CAP, M8X20X1.25, ISO4042 ZnNi BLACK PASSIVATED FINISH
4	M8 FLAT WASHER	M8 Flat Washer
2	M8 HD FLAT WASHER	M8 FLAT WASHER - High Tensile 19x8x1.9mm
13	M8 HD FLAT WASHER - BZP	M8 FLAT WASHER - High Tensile 19x8x2mm, ISO4042 ZnNi BLACK PASSIVATED FINISH
10	M8 FLANGE NUT	Flange Nut, M8x1.25 G8.8 ZP
16	M10 x 30	Bolt Hex, M10X30x[1.5], GR8.8 ZP
4	M10 X 80 (10.9)	Bolt Hex, M10X80X1.5, GR10.9 ZP
2	M10X30 BHCS	SCREW, BUTTON HEAD CAP, M10X30X1.5 GR12.9 ZP
2	M10 Flat Washer	M10 Flat Washer
24	M10 FW LHD	WASHER, FLAT M10X28.5X2.5
18	M10 FLANGE NUT	Flange Nut, M10x1.5 G8.8 ZP
4	M10 NYLOC	M10 Nyloc
5	M12X65	Bolt Hex, M12X65x1.75, GR8.8 ZP
5	M12 FLAT WASHER	M12 Flat Washer
5	M12 FLANGE NUT	Flange Nut, M12x1.75 G8.8 ZP
4	T-0043	JB74 CRUSH TUBE

Toro Additional Small Parts

Qty	Part Number	Description
4	M8 X 20 BHCS BLACK ZINC	SCREW, BUTTON HEAD CAP, M8X20X1.25, ISO4042 ZnNi BLACK PASSIVATED FINISH
4	M8 HD FLAT WASHER - BZP	M8 FLAT WASHER - High Tensile 19x8x2mm, ISO4042 ZnNi BLACK PASSIVATED FINISH

TOOLS REQUIRED

The following tools will be required to install the product.

Hand Tools	Power Tools	Workshop Equipment
Metric Socket Set 10-19mm	Electric/Air Impact Driver (Optional)	Lifting Trolley
Socket Extension Bar		Bucket
Metric Spanner Set 10-19mm	Power Drill	Paint Pen
Hex (Allen) Key Set 4-6mm		Rust Inhibitive Paint
Trim Removal Tool		Cable Ties
Plastic Auto Trim Tool Set		
Flat Blade Screwdriver Set		
Phillips Head Screwdriver Set		
Utility Knife		
Ratcheting Socket Wrench		
Side Cutters		
10mm Drill Bit		
20mm Step Drill		
Centre Punch		
Deburring Tool		
Hose Clamp		

WORKSHOP SAFETY

It is the responsibility of the installer to always complete works in a safe manner. Make sure the following safety equipment is available and precautions are observed whilst fitting this product.

<p>Hearing Protection</p> 	<p>Always wear ear protection when using power tools.</p>
<p>Eye Protection</p> 	<p>Ensure eye protection is always worn when cutting or drilling.</p>
<p>Manual Handling</p> 	<p>Do not attempt to lift bar assemblies or rock sliders on your own.</p> <p>Always use two people to lift or use mechanical Lifting aid such as hydraulic lifting trolley.</p>
<p>Vehicle Support</p> 	<p>Always ensure vehicle is properly supported when working on it. Do not attempt to fit products whilst suspension work is being carried out. Do not work under a vehicle supported only by a jack.</p>



1. Remove the number plate and set aside.

TOOLS REQUIRED**FASTENERS**



2. Remove 3 clips on either side of bumper near wheel holding wheel well trim to bumper.

There is also a 4th holding the wheel well trim to the body.

3. Repeat for other side.

TOOLS REQUIRED

Trim tool
or
Flat blade screwdriver

FASTENERS

Discard



4. Remove 2x 8mm hex screws holding bumper to flare.
5. Repeat for other side.

TOOLS REQUIRED

8mm socket/spanner

FASTENERS

Discard



6. Underneath the front, remove 3x 10mm hex screws holding splash guard onto chassis.

TOOLS REQUIRED

10mm socket/spanner

FASTENERS

3x factory 10mm hex screw

Retain for later use



7. With bonnet open remove 2x clips holding grille onto the body.

TOOLS REQUIRED

Trim tool
or
Flat blade screwdriver

FASTENERS

Retain for reuse



8. On the lower part of the grill use a Phillips head screwdriver and turn clips shown a quarter (1/4) turn to release them. There are 2x clips present.

TOOLS REQUIRED

Phillips head screwdriver

FASTENERS

Retain for reuse



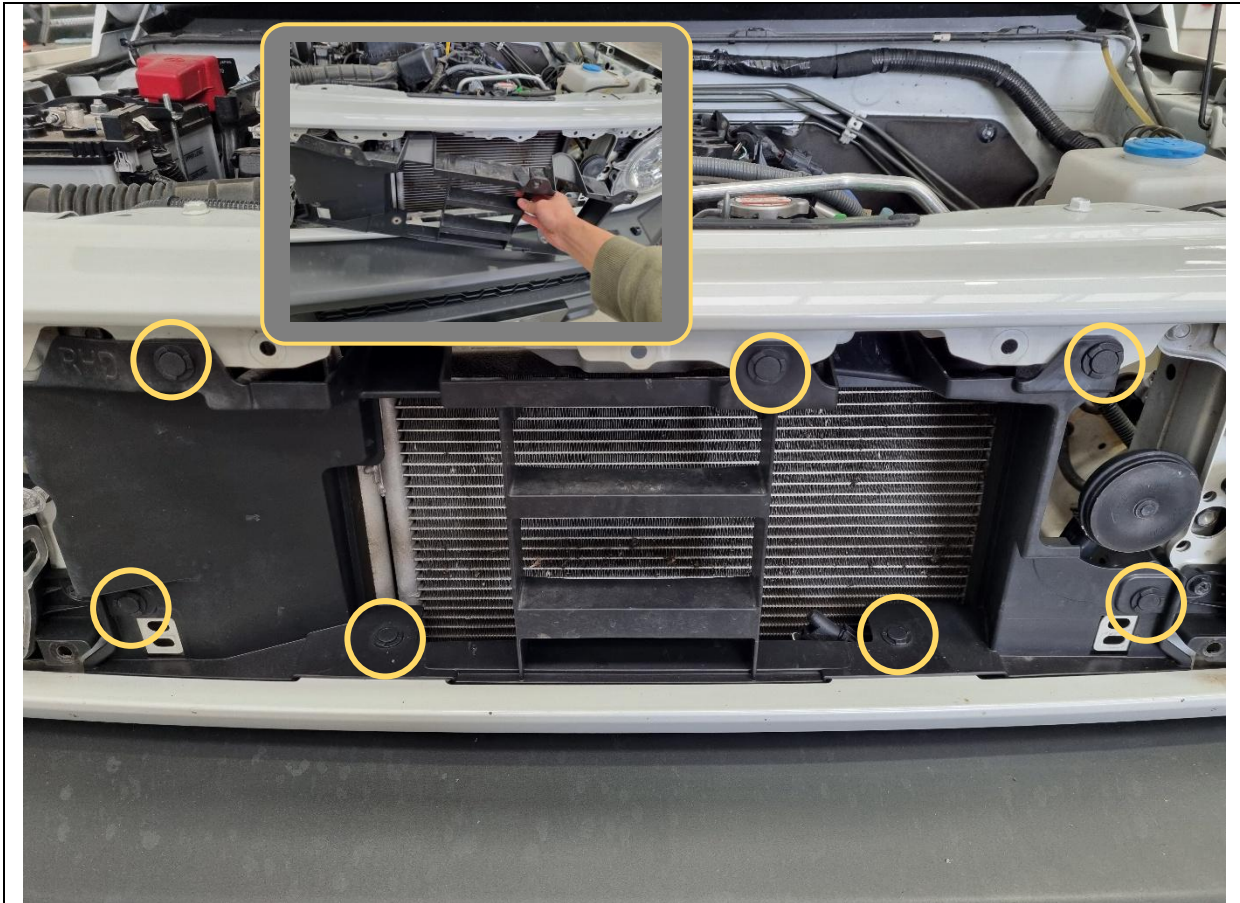
9. Reach in behind the grille and disconnect the indicators, 1x connector per side.

TOOLS REQUIRED**FASTENERS**



10. Starting from the outer end, gently pull the grille outwards and unclip it from the vehicle.

TOOLS REQUIRED**FASTENERS**



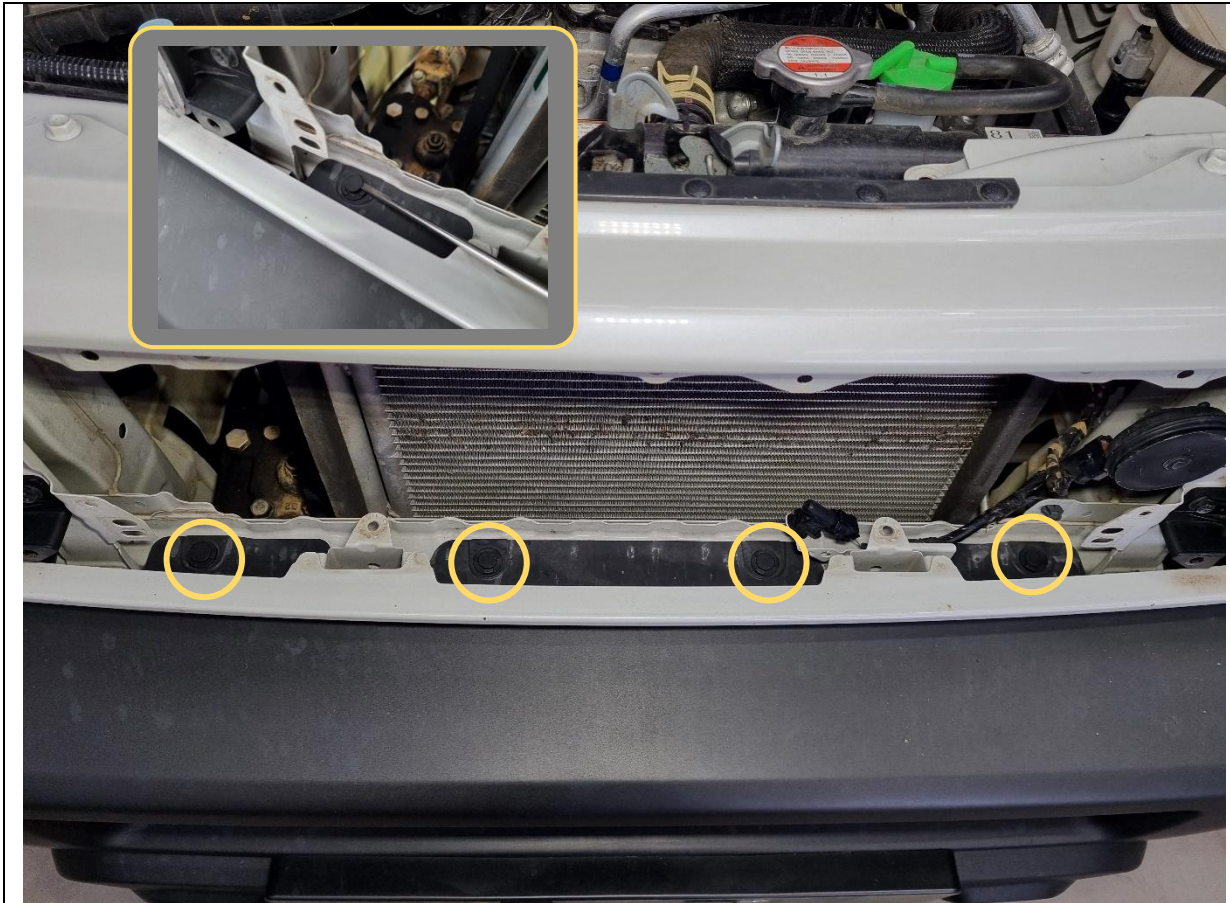
11. Remove 7x clips shown holding the air guide to the vehicle.

TOOLS REQUIRED

Trim tool
or
Flat blade screwdriver

FASTENERS

Retain for reuse



12. Remove 4x clips shown holding the bumper to the vehicle.

TOOLS REQUIRED

Trim tool
or
Flat blade screwdriver

FASTENERS

Retain for reuse



13. Remove a further 2x Phillips head screws holding the underside of the bumper to the vehicle.

TOOLS REQUIRED

Phillips head screwdriver

FASTENERS

Discard



14. Gently pull the bumper away from the vehicle.

TOOLS REQUIRED**FASTENERS**



15. Unplug fog light wiring loom on both sides and disconnect headlight washer on LH passenger side.

Use a hose clamp or cable ties before disconnecting washer hose to prevent fluid leaking everywhere.

TOOLS REQUIRED

Side cutters
Hose clamp
Cable ties
Bucket

FASTENERS



16. Fully remove the bumper and set aside.

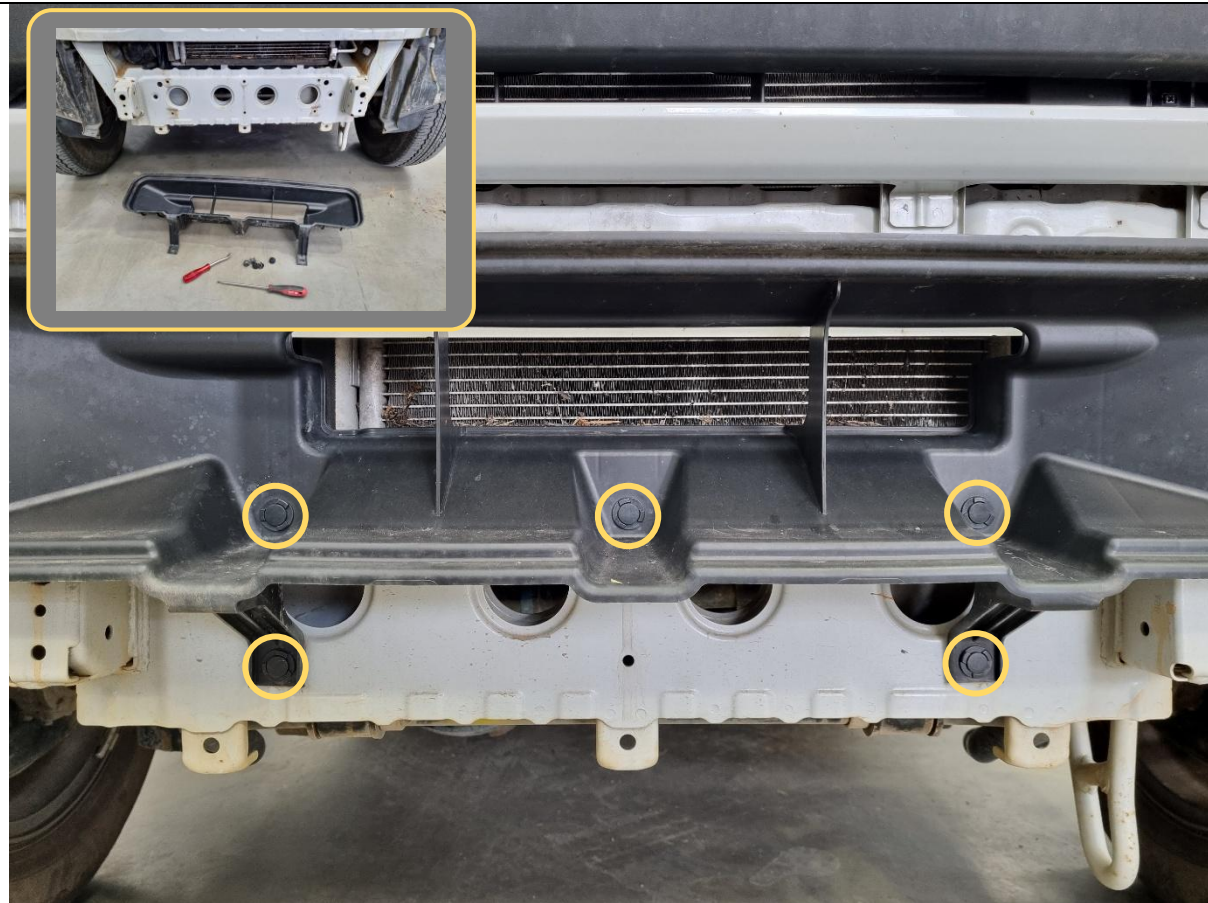
TOOLS REQUIRED**FASTENERS**



17. Re-fit the air guide and grille in reverse order.
18. Re-connect the indicators and confirm operation.

TOOLS REQUIRED**FASTENERS**

Re-use factory clips



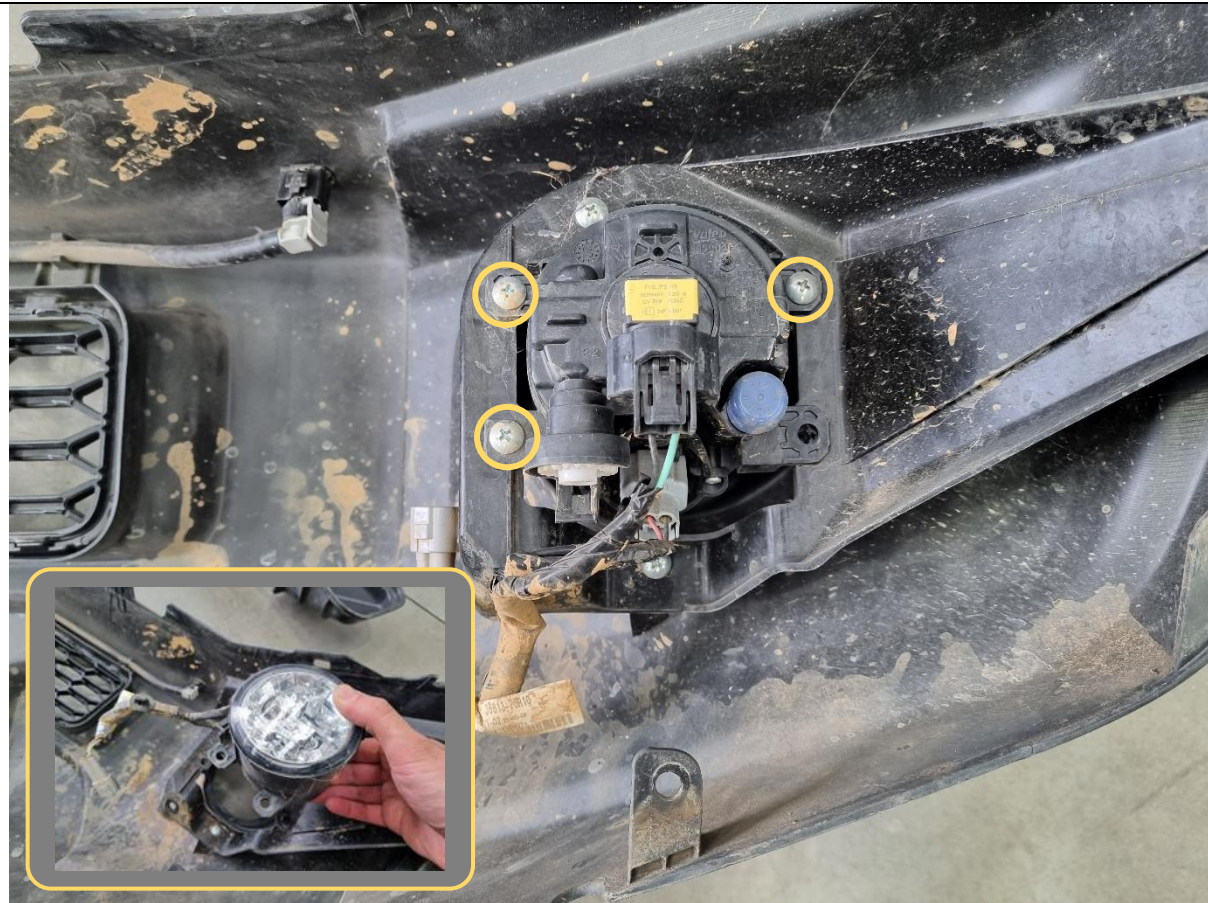
19. Remove 5x clips holding lower air guide.

TOOLS REQUIRED

Trim tool
or
Flat blade screwdriver

FASTENERS

Discard



20. Remove 3x Phillips head screws holding each fog light to the bumper.
21. Unclip the fog light harness from the bumper and set fog lights aside.

TOOLS REQUIRED

Phillips head screwdriver

Trim tool
or
Flat blade screwdriver**FASTENERS**

Discard



22. Unclip the headlight washer nozzles from the bumper with a flat blade screwdriver.
23. Unclip the headlight washer hose from the bumper and set aside.

TOOLS REQUIRED

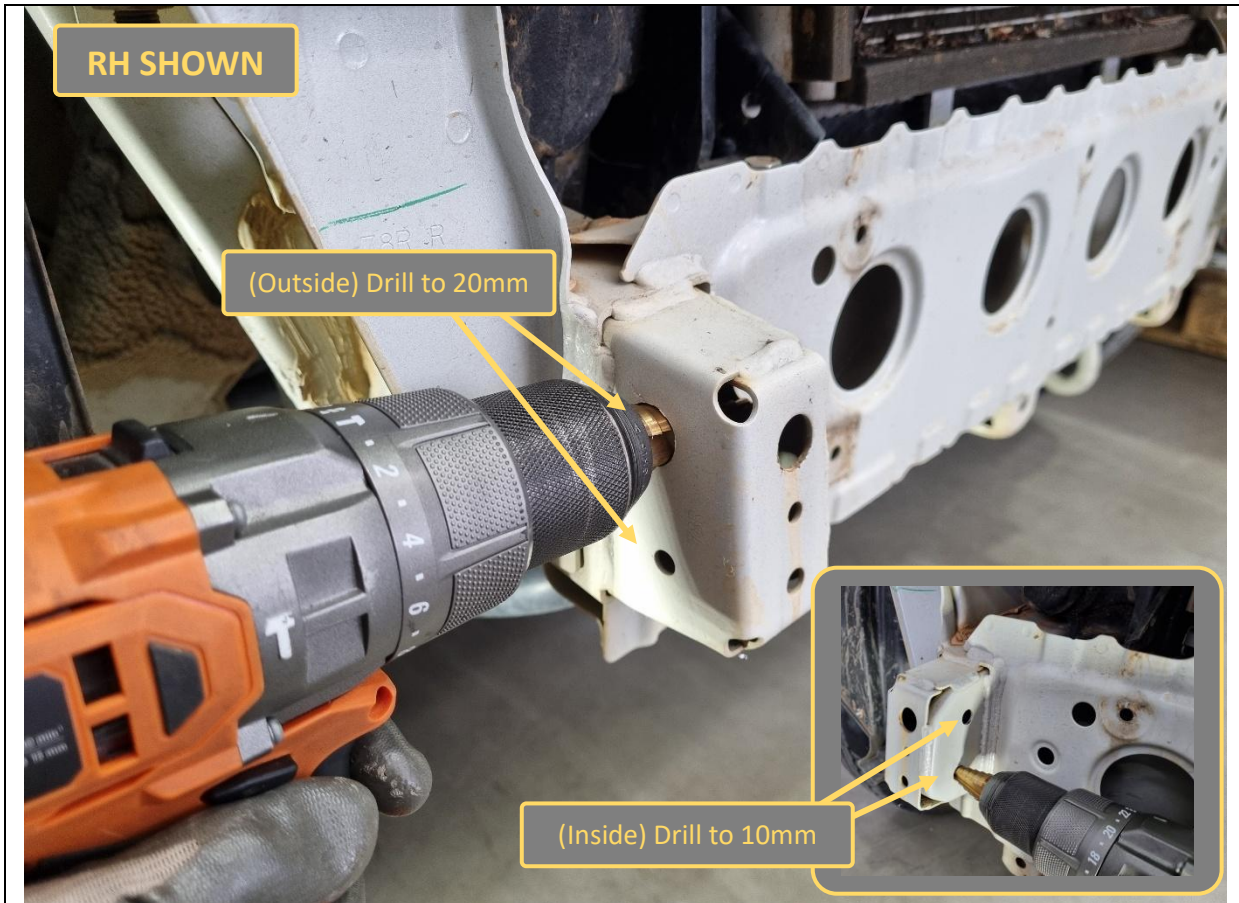
Flat blade screwdriver

FASTENERS



24. Squeeze and unclip the headlight washer nozzle holders from the bumper. Take note of position and orientation as these need to go in the same corresponding place on the bull bar.

TOOLS REQUIRED**FASTENERS**



25. Using a step drill, drill out the 2x holes on the outside of the chassis horns to 20mm.

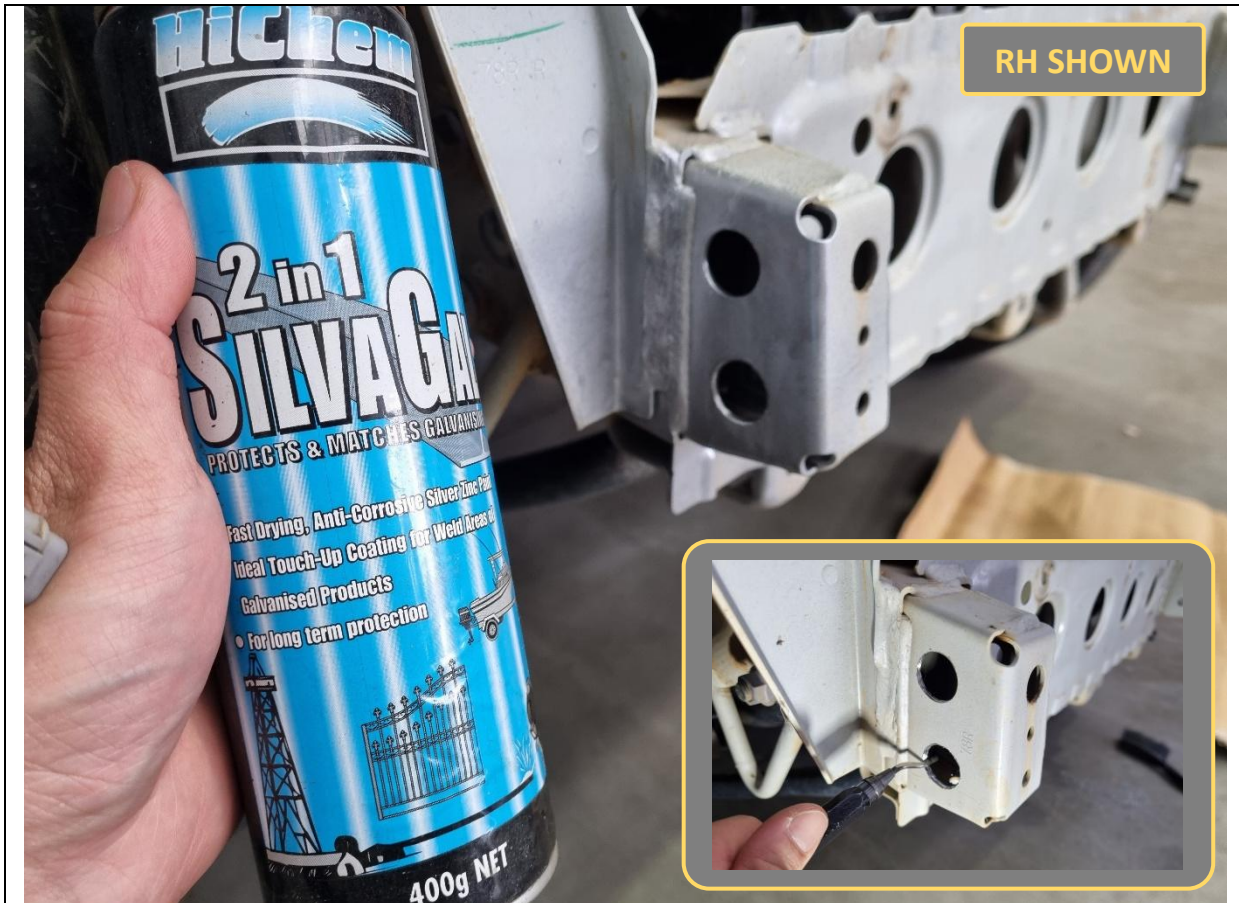
Don't forget safety glasses!

26. Drill out the 2x holes on the inside of the chassis horns to 10mm.

TOOLS REQUIRED

Power drill
20mm step drill
10mm drill bit

FASTENERS



27. Deburr all drilled holes.

28. Paint all drilled holes to prevent rust. Can use a paint pen or something better like what's shown in the photo.

TOOLS REQUIRED

Deburring tool
Paint pen
Rust inhibitive paint

FASTENERS

RH SHOWN

29. Loosely fit the inner chassis bracket as shown, with 2x M10x30 hex bolts, heavy duty washers and flange nuts fed through inside chassis through the large hole. Do this for both sides.

Leave bolts finger tight.

TOOLS REQUIRED**FASTENERS**

4x M10x30 hex bolt
4x M10 heavy duty washer
4x M10 flange nut

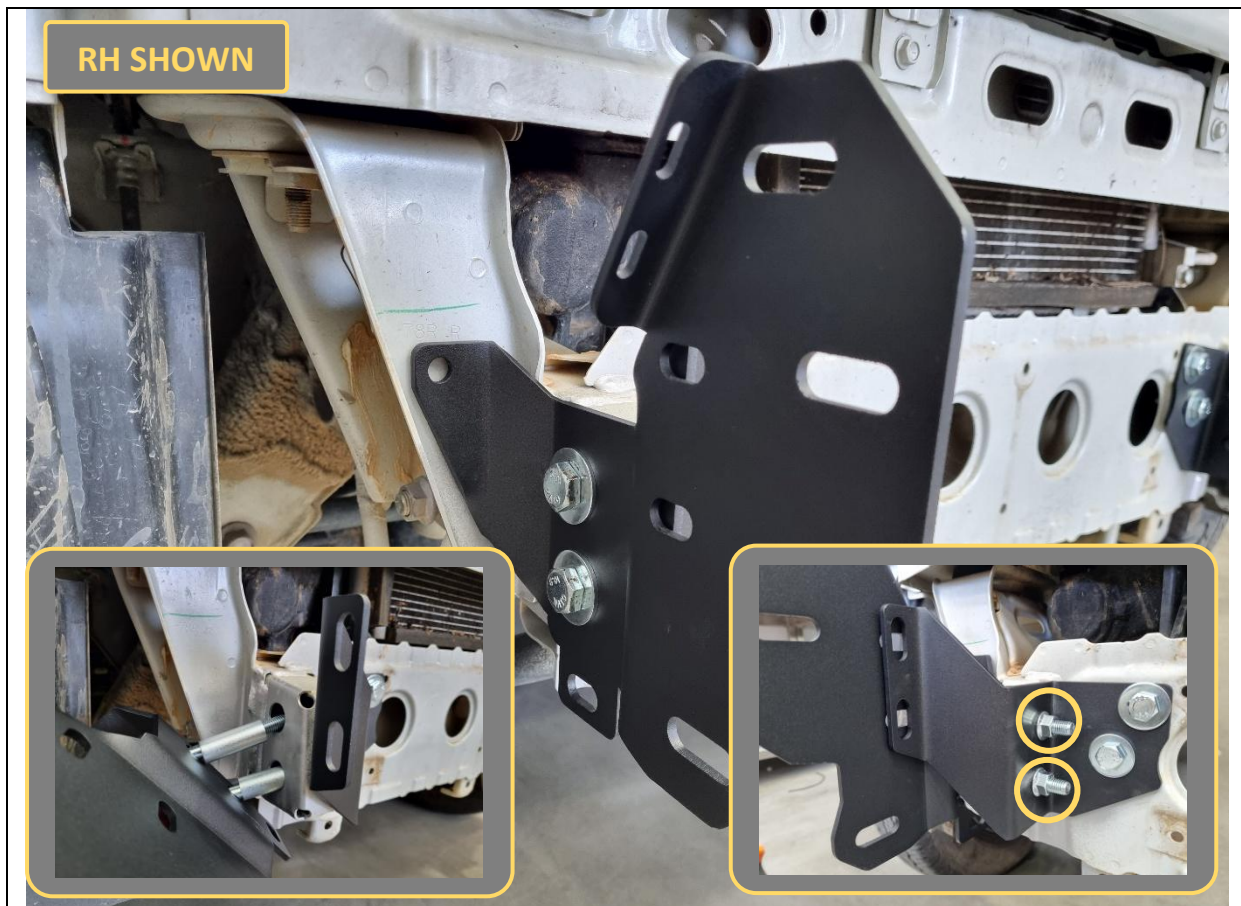
RH SHOWN

30. Insert 2x M10x80 hex bolts and heavy duty washers into the outer chassis bracket as shown.

31. Stack crush tubes on the other side (see inset photo).

TOOLS REQUIRED**FASTENERS**

2x M10x80 hex bolt
2x M10 heavy duty washer
2x T-0043 crush tube



32. Feed the outer chassis bracket and bolts through the drilled holes in the chassis horn.

33. Secure to the inner chassis bracket with M10 flange nuts.

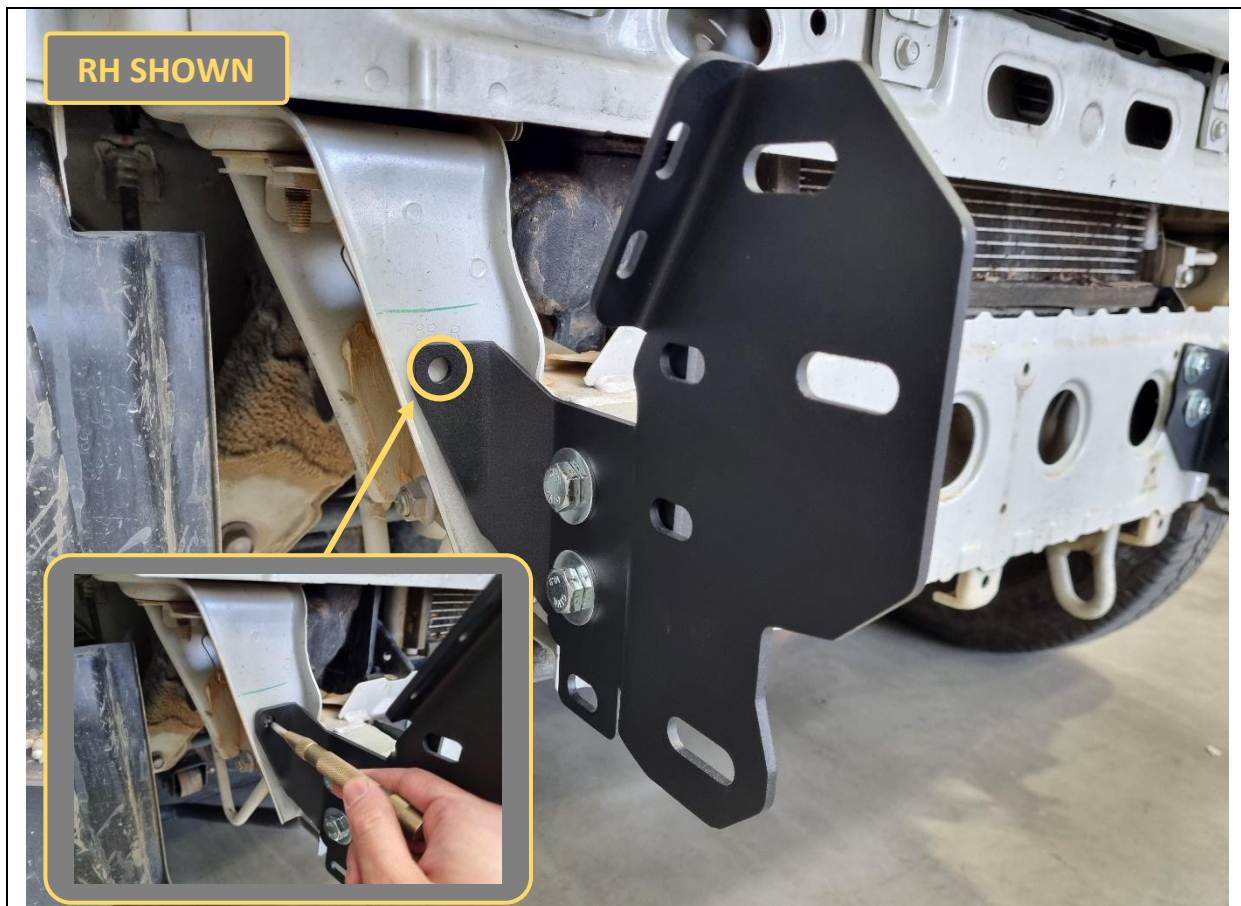
Keep bolts finger tight.

34. Repeat for other side.

TOOLS REQUIRED

FASTENERS

2x M10 flange nut

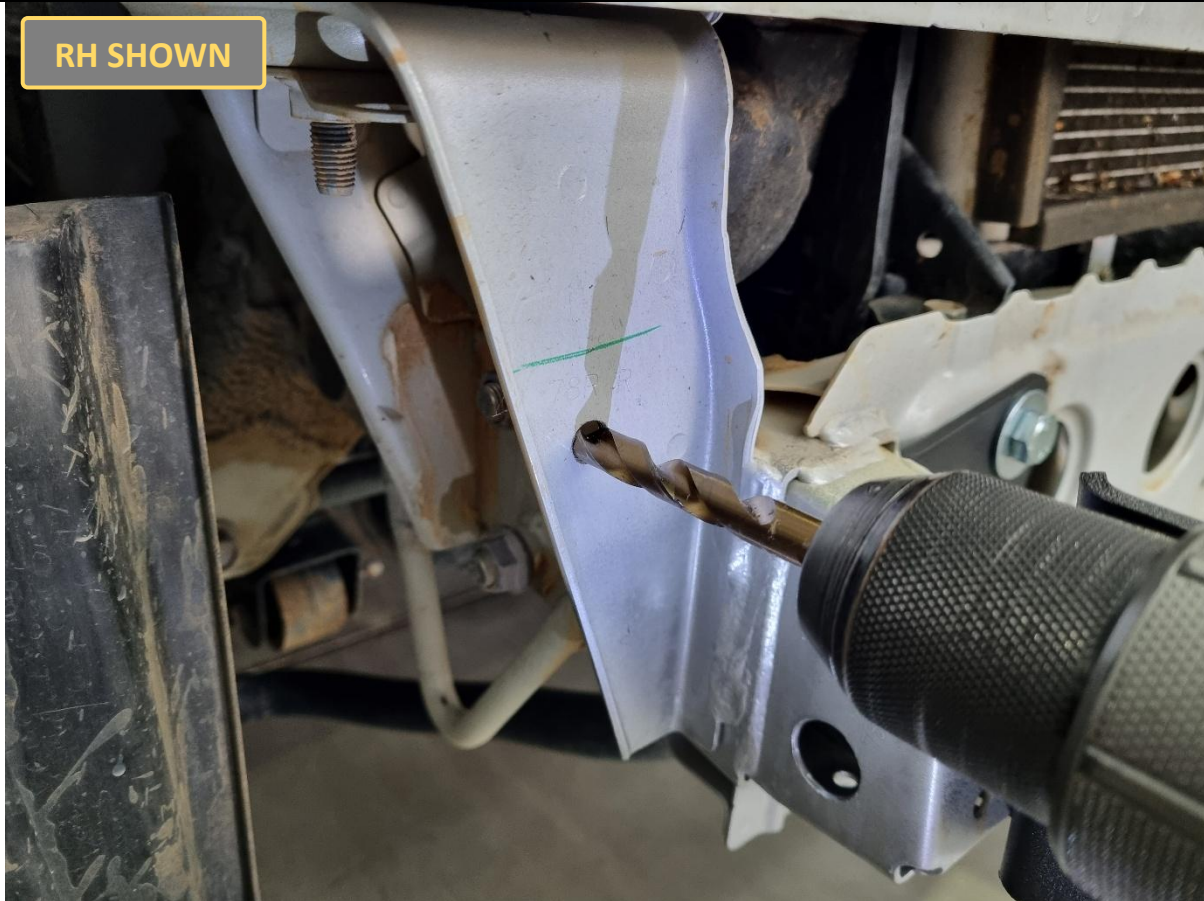


35. Ensure the outer and inner chassis brackets are clamped together nicely and all holes/slots line up.
36. Once happy with positioning, mark out a centre hole as shown with a centre punch, then remove the outer chassis bracket.

TOOLS REQUIRED

Marker pen
Centre punch

FASTENERS

RH SHOWN

37. Drill out the marked hole out to 10mm, feel free to use a smaller pilot drill first. Do this on both sides.
38. Deburr and paint the drilled holes afterwards.

TOOLS REQUIRED

Power drill
10mm drill bit

Deburring tool
Paint pen
Rush inhibitive paint

FASTENERS



39. Fit the outer chassis bracket with the same bolts and crush tubes as before, but this time with the tow point sandwiched on the outside, as shown.

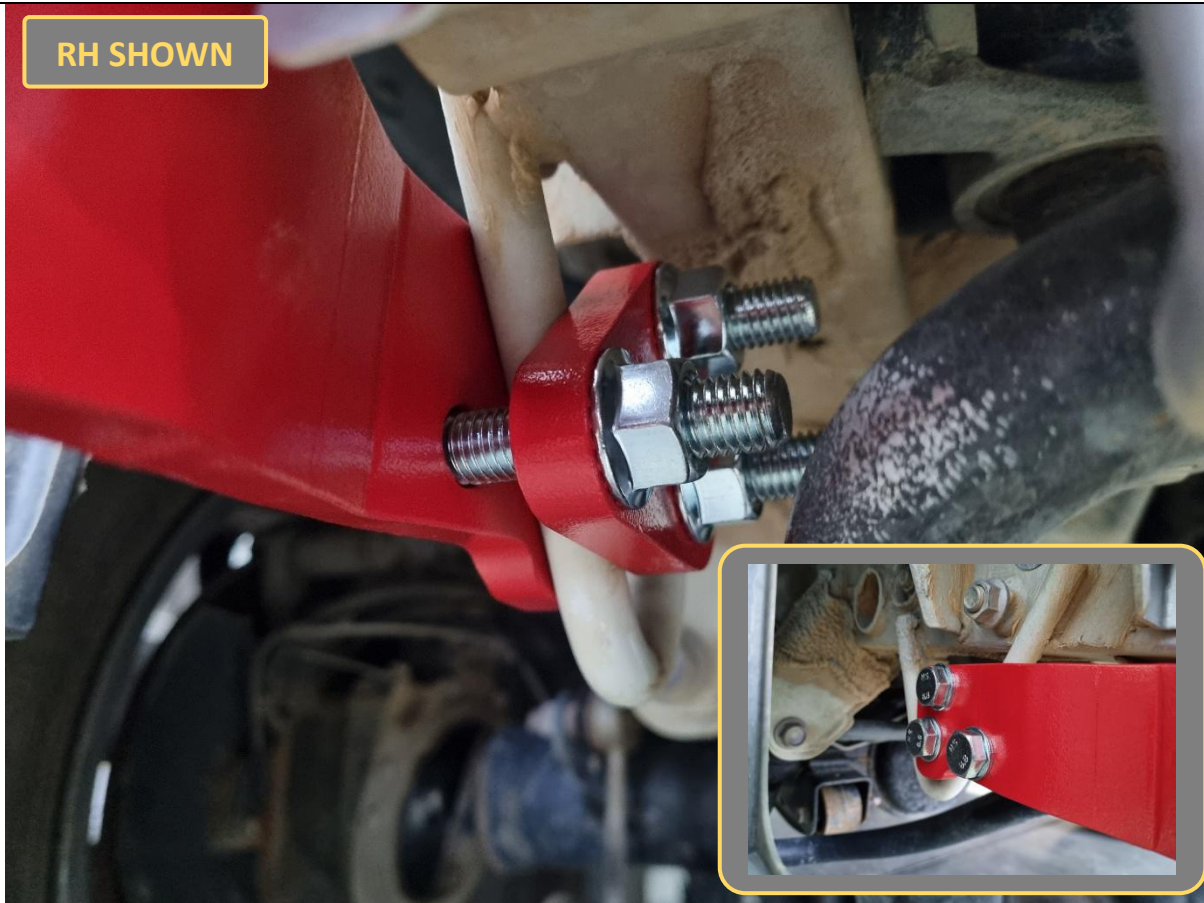
Leave bolts finger tight.

40. Do this for both sides.

TOOLS REQUIRED

FASTENERS

2x M10x80 hex bolt
2x M10 heavy duty washer
2x T-0043 crush tube
2x M10 flange nut

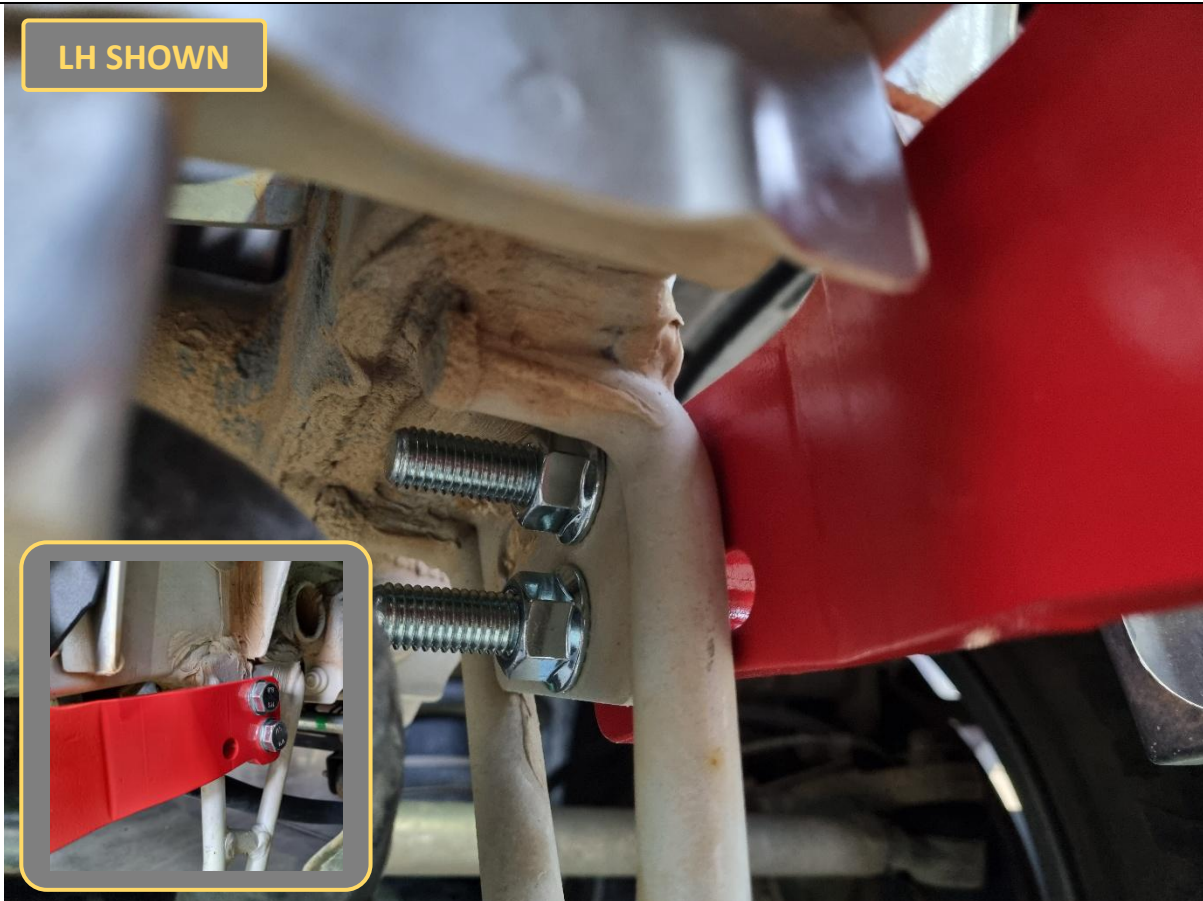
RH SHOWN

41. For the RH tow point, secure the rear to the factory tow hook using 3x M12x65 hex bolts, flat washers, flange nuts and P-0226 clamp plate, as shown.

Leave bolts finger tight.

TOOLS REQUIRED**FASTENERS**

3x M12x65 hex bolt
3x M12 flat washer
3x M12 flange nut
1x P-0226 clamp plate

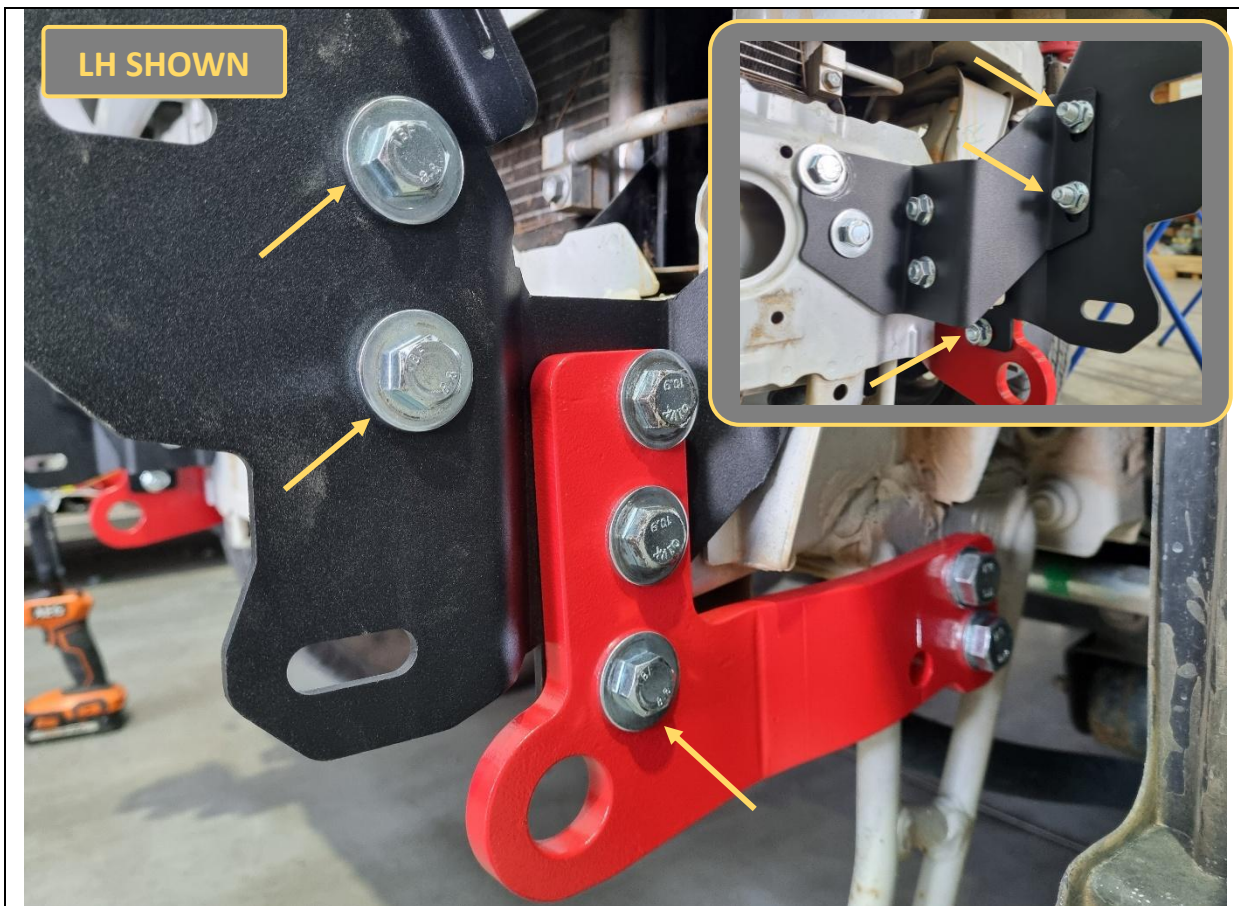
LH SHOWN

42. For the LH tow point, secure the rear to the plate welded to the factory tow hook using 2x M12x65 hex bolts, flat washers and flange nuts, as shown.

Leave bolts finger tight.

TOOLS REQUIRED**FASTENERS**

2x M12x65 hex bolt
2x M12 flat washer
2x M12 flange nut



43. Fit an additional 3x M10x30 hex bolts, heavy duty washers and flange nuts on each side of the vehicle to connect the tow points, outer chassis brackets and inner chassis brackets.
44. Square up the mounts so they sit vertical and are centred on the body, then fully torque up all bolts.

TOOLS REQUIRED

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

FASTENERS

6x M10x30 hex bolt
6x M10 heavy duty washer
6x M10 flange nut



45. If fitting an integrated light bar, do so now.

This bar is designed to fit the Offroad Animal 22-inch light bar. If fitting this light bar, assemble the light bar with legs facing outwards, 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 "20-22inch" size single row light bars. Stedi ST3K light bars require legs facing outwards.

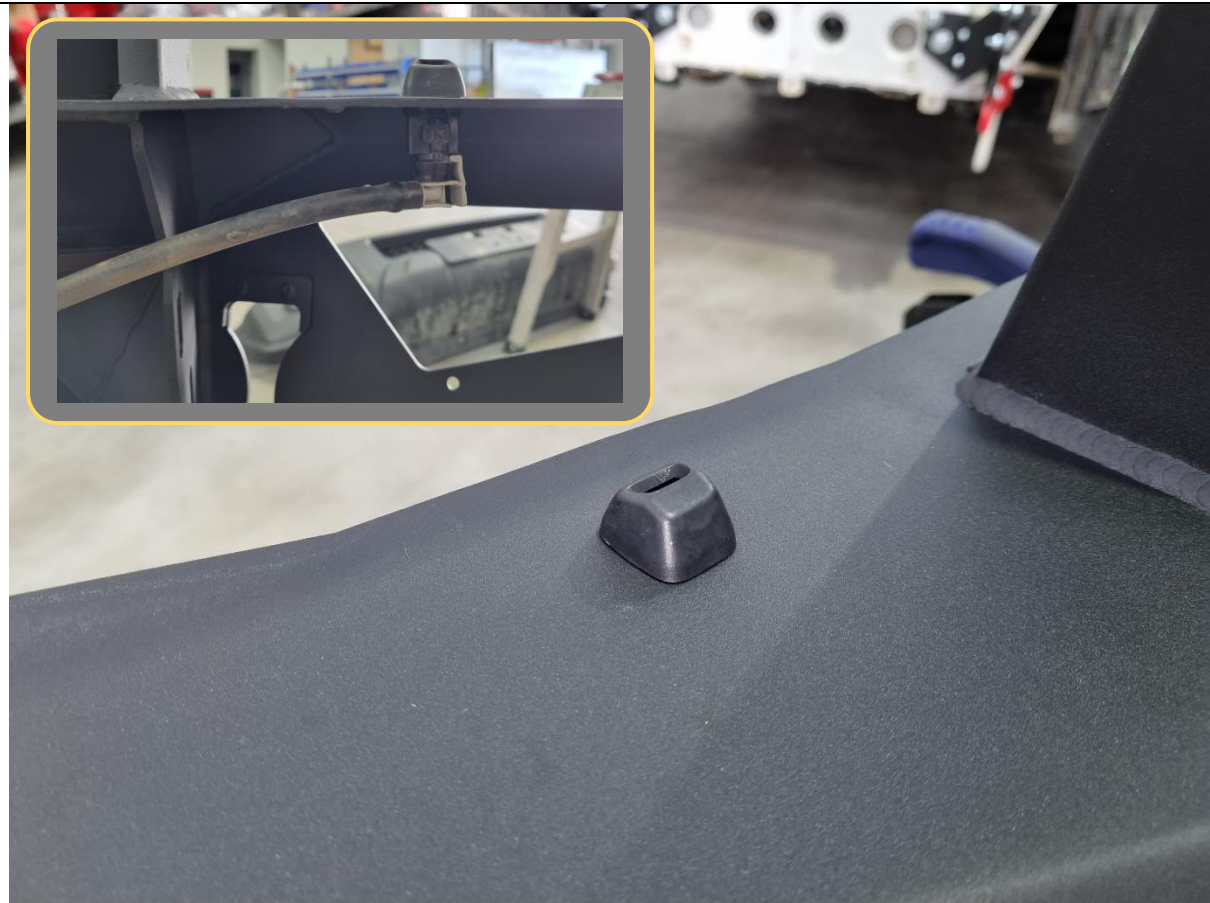
46. If fitting driving lights, stealth hoop, round hoop or rally hoop to this bar, this is also the most convenient time to do so. It is still possible later but it is more difficult.

TOOLS REQUIRED

Supplied with accessories

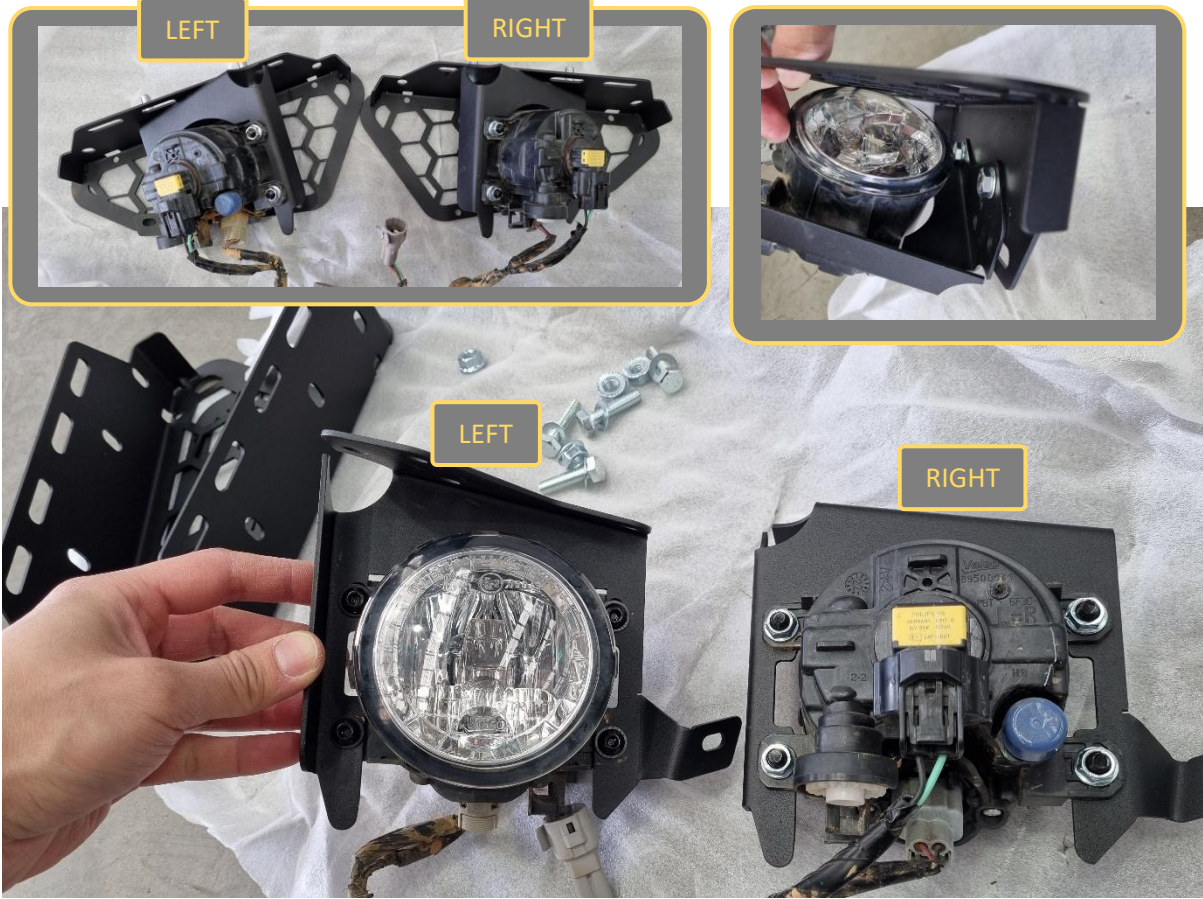
FASTENERS

Supplied with accessories

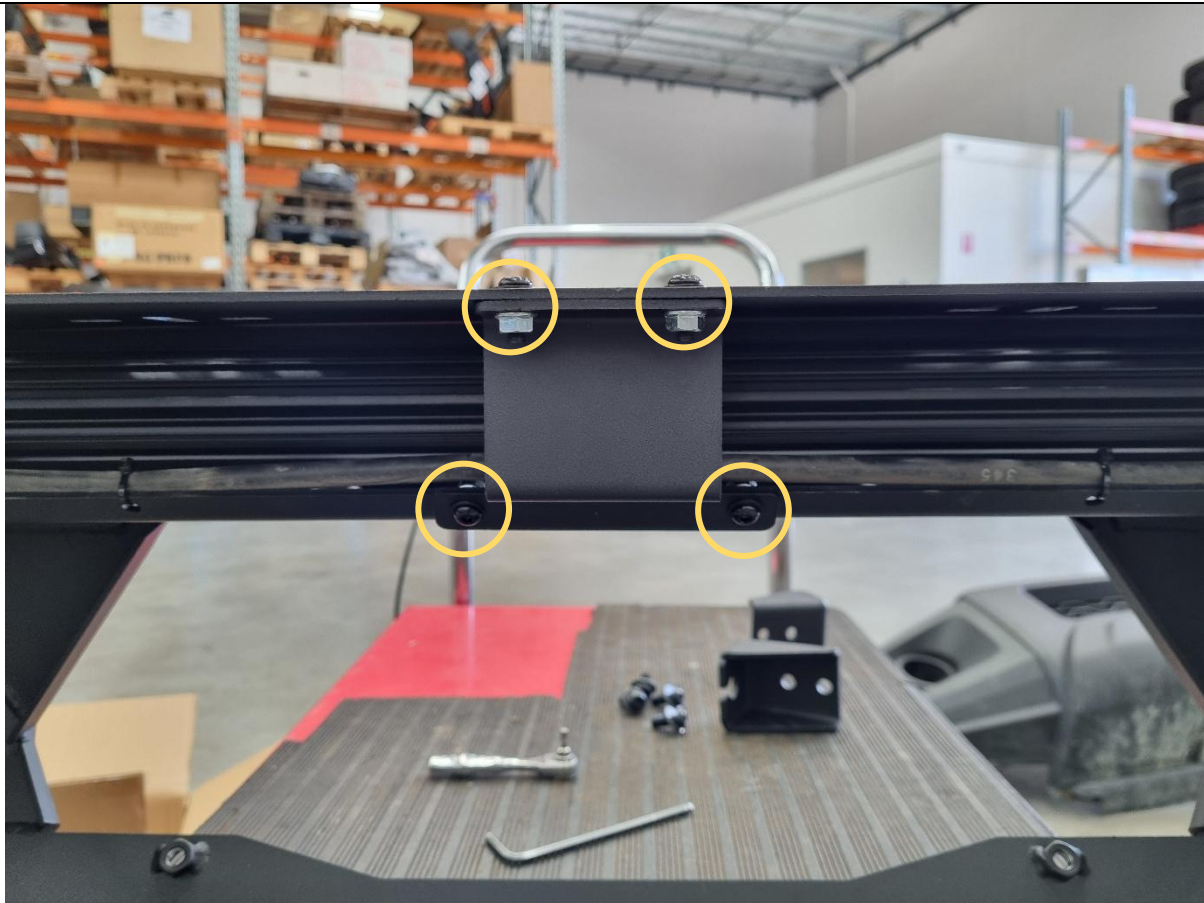


47. Clip in the headlight washer nozzles into the new bar and route the washer hose along the inside of the bar left-to-right.
48. Make sure the nozzle clips are pointing in the right direction towards where the headlights would be.

TOOLS REQUIRED**FASTENERS**

	
<p>49. Fit each factory fog light to the supplied fog light bracket using 4x M6x16 black button head bolts, black washers and flange nuts.</p> <p>50. Then fit each bracket to the light mesh using 2x M8x30 hex bolts, flat washers and flange nuts. See inset photos.</p> <p>Make sure you have the orientations correct and matching what is shown.</p>	TOOLS REQUIRED 4mm hex/Allen key 13mm spanner
	FASTENERS 8x M6x16 black button head 8x M6 black washer 8x M6 flange nut 4x M8x30 hex bolt 4x M8 flat washer 4x M8 flange nut

	
<p>51. Fit the light mesh panel with lights to the inside of the bull bar wing and secure with 4x M6x16 black button head bolts, black washers and flange nuts.</p> <p>Make sure the headlight washer nozzle fits in the cutout in the fog light bracket.</p> <p>52. Repeat for other side.</p>	TOOLS REQUIRED 4mm hex/Allen key
	FASTENERS 8x M6x16 black button head 8x M6 black washer 8x M6 flange nut



53. Fit the pan brace to the back of the bar where the light bar sits, and secure with 4x M6x16 black button head bolts, black washers and flange nuts.
54. Also cable tie the washer hose neatly to the inside of the bar. Only lightly clamp so you don't squish the hose and restrict fluid flow.

TOOLS REQUIRED

4mm hex/Allen key
Cable ties

FASTENERS

4x M6x16 black button head
4x M6 black washer
4x M6 flange nut



55. **Toro only.** Fit antenna brackets to Toro uprights using M8x20 black button head bolts and black washers.
56. **Toro only.** Fit UHF aerial to bracket. It is possible to do it on the car but it is more difficult to get tool access.
57. **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 washers



58. If fitting an ATV winch, great job on choosing the correct winch for the size of your Jimny and skip ahead to the next page.
59. If fitting a traditional winch, you'll need to do it now.
60. Fit winch into cavity and secure with bolts supplied with the winch.
61. The control box will need to be mounted off the winch either under the bonnet, on the top face of the bar or in the wing of the bull bar depending on its size. There is a B-0216 relocation bracket supplied that can be bolted to the empty slots on the outer chassis bracket.

NOTE THIS BAR IS ONLY RATED FOR A 8,000LBS WINCH

TOOLS REQUIRED

Refer to winch instructions

FASTENERS

Supplied with winch



62. Using a lifting trolley, trolley jack or mate lift the bar onto the mounts and secure with M10x30 hex bolts, heavy duty flat washers, flange nuts and Nyloc nuts. Leave finger tight at this stage.

Note: Use 1x flange nut and 2x Nyloc nuts per mount. Use a washer on both bolt and nut side for the Nyloc nut. 1x washer on the bolt side is all that is required with flange nuts.

63. Re-connect the fog lights and headlight washer hose.

TOOLS REQUIRED

FASTENERS

6x M10x30 hex bolt
10x M10 heavy duty washer
2x M10 flange nut
4x M10 Nyloc nut



64. Using a sharp blade trim the wheel well liner to suit the bar. Basically, cut it straight along the flare line. Discard the lower section.

65. Also trim the retainers under the flare to allow the bar to sit higher.

TOOLS REQUIRED

Utility knife

FASTENERS



66. With assistance, from another person, align the bar with the edges of the vehicle. The bar should sit symmetric left/right on the vehicle.

Ensure the bar is not touching the body anywhere, and there is sufficient clearance (10-15mm) such that the bar won't hit the body when the car is flexed.

67. Once happy with alignment, tighten all 6x M10 hex bolts.

TOOLS REQUIRED

16/17mm socket/spanner

FASTENERS



68. If fitting an ATV winch, do so now.

69. Lift the winch into place and secure with hardware supplied with the winch.

70. Connect winch to the battery.

TOOLS REQUIRED

Refer to winch instructions

FASTENERS

Supplied with winch



71. If fitting a winch, fit the hawse fairlead to the centre mesh panel, using hardware supplied with the winch.
72. If using an ATV winch with a small fairlead, fit using the adapter plate and 2x M10x30 button head bolts, flat washers and flange nuts as shown.
73. For WARN AXON winches, the control box plug can also be mounted to the centre mesh panel (see inset photo).

TOOLS REQUIRED

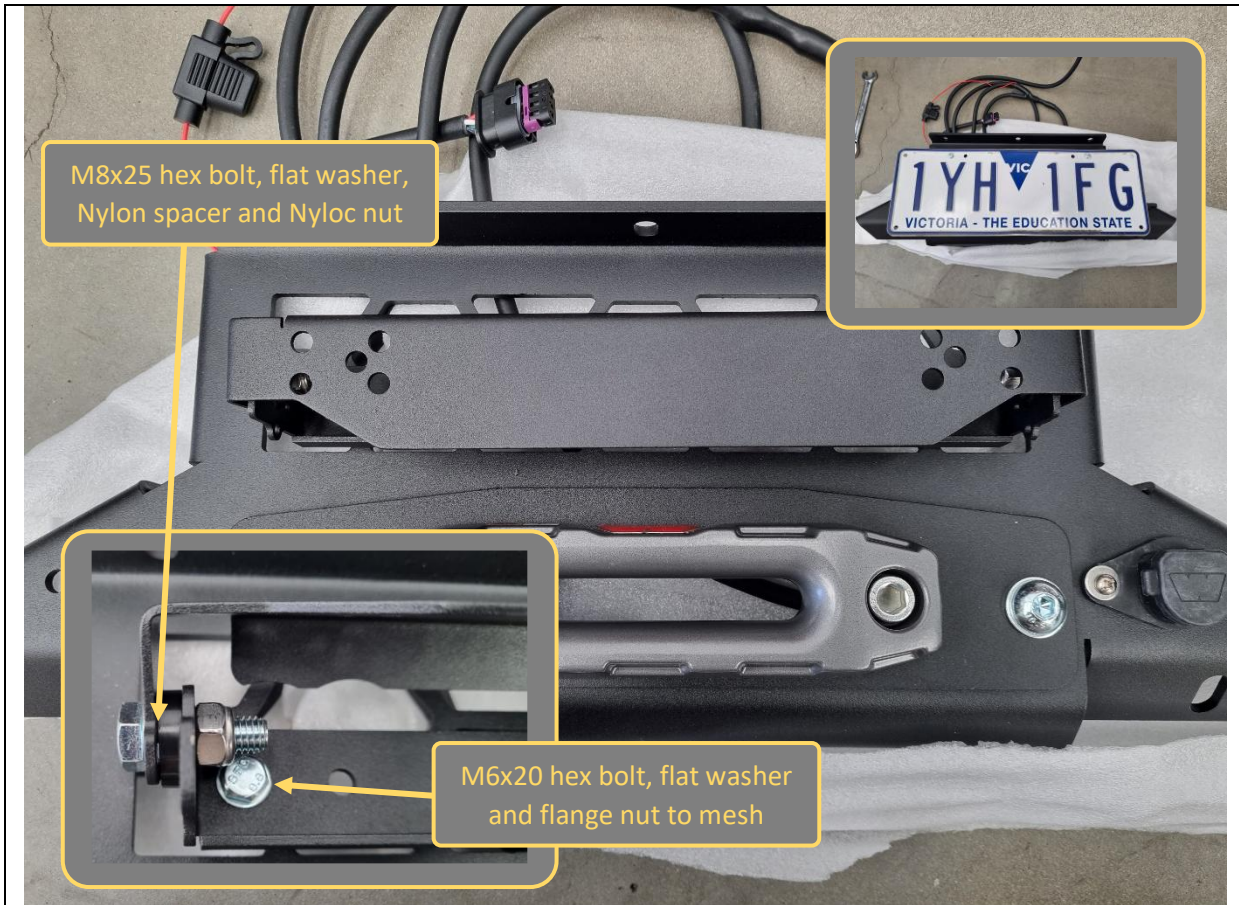
Refer to winch instructions

6mm hex/Allen key

FASTENERS

Supplied with winch

2x M10x30 button head
2x M10 flat washer
2x M10 flange nut



74. Fit number plate flip as shown with supplied hardware to centre mesh panel.

75. Fit number plate to flip bracket using M5x20 pan head screws and flange nuts.

TOOLS REQUIRED

10mm socket/spanner
13mm socket/spanner
Phillips head screwdriver

FASTENERS

2x M5x20 pan head screw
2x M5 flange nut

2x M6x20 hex bolt
2x M6 flat washer
2x M6 flange nut

2x M8x25 hex bolt
2x M8 flat washer
2x Nylon spacer
2x M8 Nyloc nut



76. Fit centre mesh to bar.

77. Secure at top with 3x M8x20 black button head bolts and black washers.

78. Secure at bottom with 2x M8x20 black button head bolts and black washers.

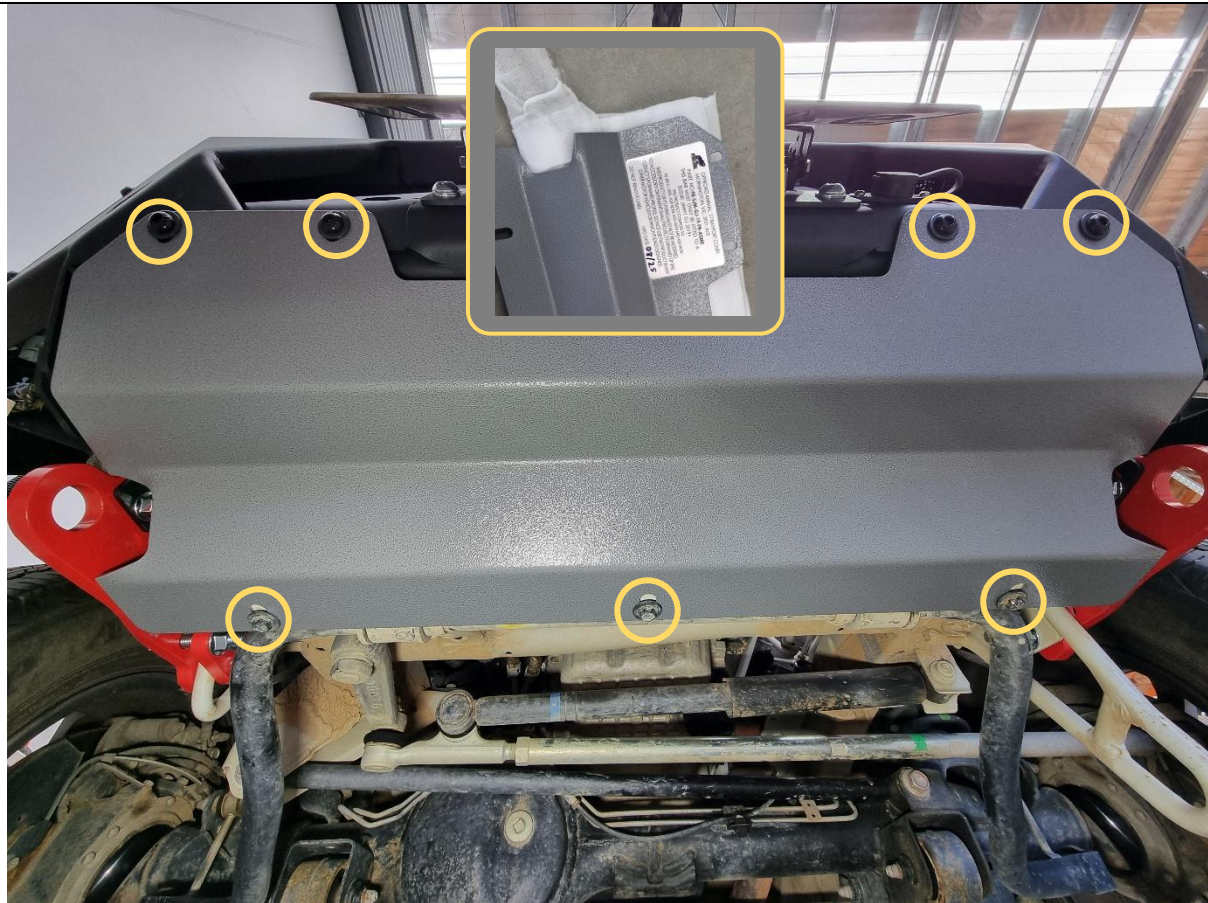
79. Connect winch controller plug if fitted.

TOOLS REQUIRED

5mm hex/Allen key

FASTENERS

5x M8x20 black button head
5x M8 black washer



80. Affix ADR compliance plate to the inside of the bash plate, as shown.

81. Fit bash plate to vehicle.

82. Secure to the bar at the front with 4x M8x20 black button head bolts and black washers.

83. Secure to the vehicle at the rear with 3x 10mm factory hex screws, retained from bumper removal in Step 6.

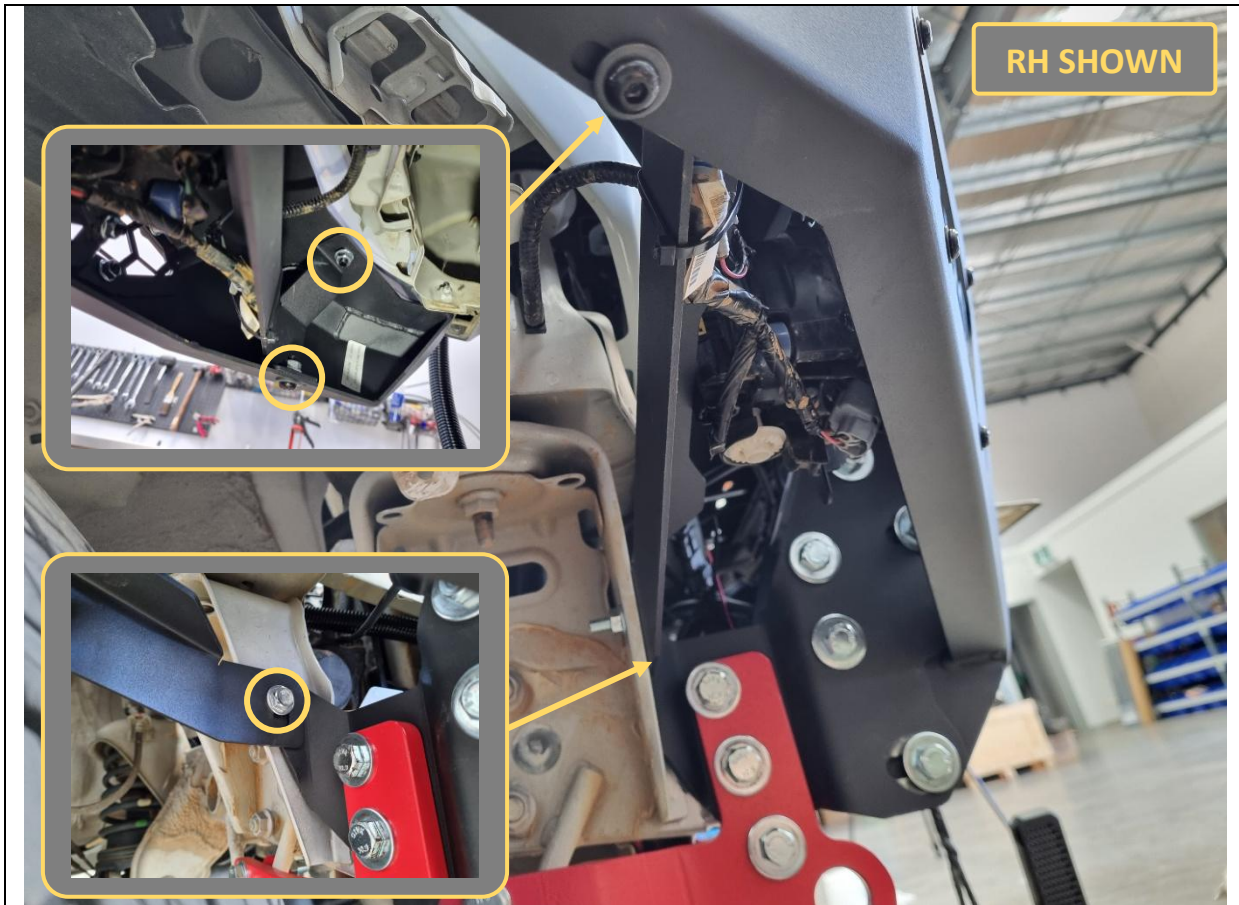
TOOLS REQUIRED

5mm hex/Allen key
10mm socket/spanner

FASTENERS

4x M8x20 black button head
4x M8 black washer

Factory 10mm hex screws



84. Fit the wing brace as shown.

85. Secure to the outer chassis bracket and drilled hole in the chassis with 1x M8x30 hex bolt, flat washer and flange nut.

86. Secure to the inside of the bull bar wing with 2x M8x20 black button head bolts, black washers and flange nuts.

87. Do this for both sides.

TOOLS REQUIRED

13mm socket/spanner
5mm hex/Allen key

FASTENERS

4x M8x20 black button head
4x M8 black washer
2x M8x30 hex bolt
2x M8 flat washer
6x M8 flange nut



88. Fit the logo plate on the front of the bar.

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

90. You're done

TOOLS REQUIRED

FASTENERS