



# **SUPREME X-SERIES FRONT BAR**

Mitsubishi Triton MR (2019-2023)

INSTALLATION MANUAL

## X-Series Front Bar – Mitsubishi Triton MR (2019-2023)

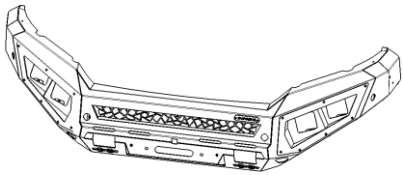
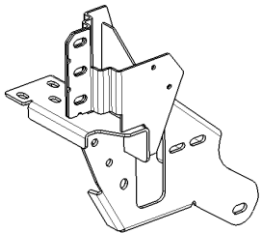
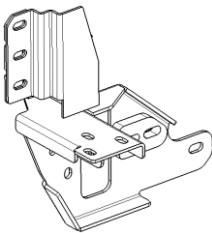
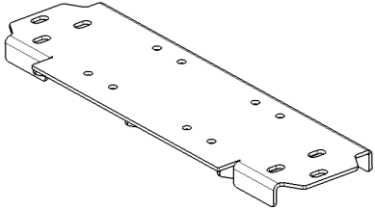
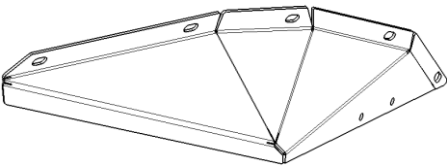
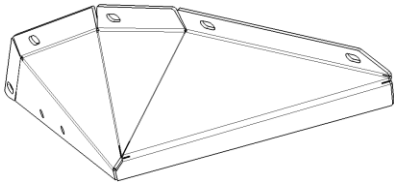
### Before Installation

- Please read through the instructions completely for correct and easy installation, following these instructions carefully will help to avoid scratches or other potential damage to your vehicle.
- The figures here may vary slightly with the actual product measurements, however this will not directly affect or cause any issues with the assembly method.

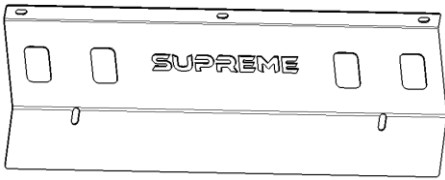
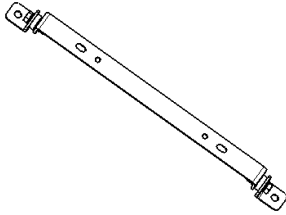
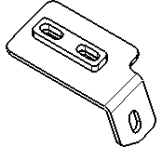
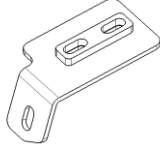
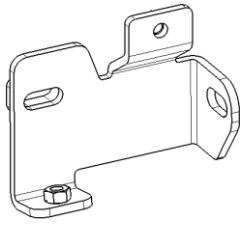
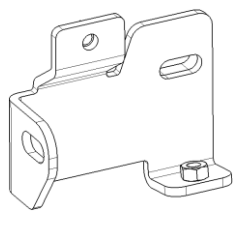
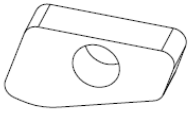
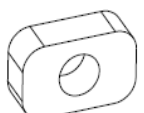
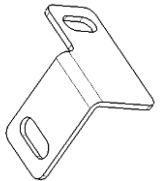
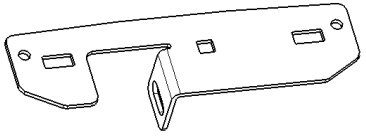
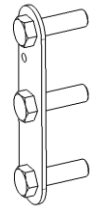
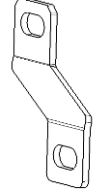
### Care and Cleaning

- The product is car wash safe and can be cleaned & washed using regular car washing methods.
- For the longevity and functionality, please periodically check and retighten all the hardware and clean any debris build up.

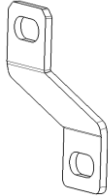
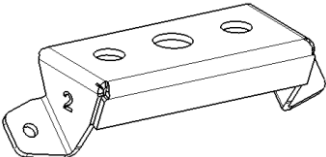
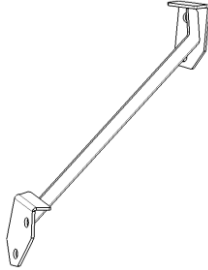
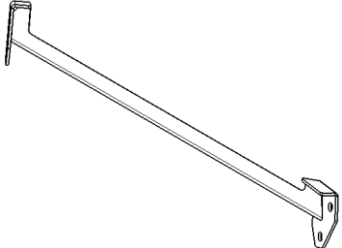
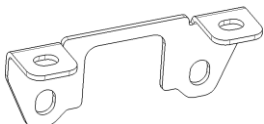
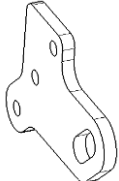

### Parts list

NO.	QTY	NAME	NO.	QTY	NAME
①	1	 Main bull bar assembly	②	1	 Winch frame (L)
③	1	 Winch frame (R)	④	1	 Central Winch frame
⑤	1	 Skid plate (L)	⑥	1	 Skid plate (R)

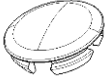
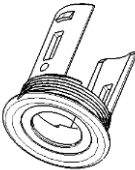

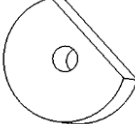

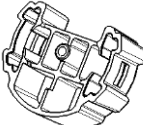
**Supreme X-Series Front Bar – Mitsubishi Triton MR (2019-2023)**

<p>⑦</p>	<p>1</p>	 <p>Central skid plate</p>	<p>⑧</p>	<p>1</p>	 <p>Foldable license bracket</p>
<p>⑨</p>	<p>1</p>	 <p>Bracket-1 (L)</p>	<p>⑩</p>	<p>1</p>	 <p>Bracket-1 (R)</p>
<p>⑪</p>	<p>1</p>	 <p>Bracket-2 (L)</p>	<p>⑫</p>	<p>1</p>	 <p>Bracket-2 (R)</p>
<p>⑬</p>	<p>1</p>	 <p>Winch frame plate(L)</p>	<p>⑭</p>	<p>1</p>	 <p>Winch frame plate(R)</p>
<p>⑮</p>	<p>1</p>	 <p>Grille bracket 1</p>	<p>⑯</p>	<p>1</p>	 <p>Grille bracket 2</p>
<p>⑰</p>	<p>2</p>	 <p>Bolt-Plate</p>	<p>⑱</p>	<p>1</p>	 <p>lamp bracket (L)</p>

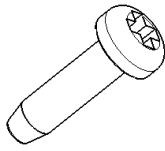

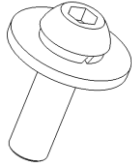


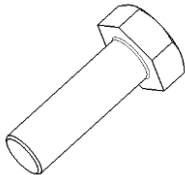
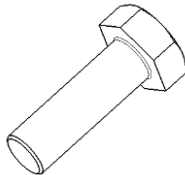
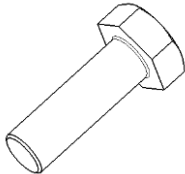
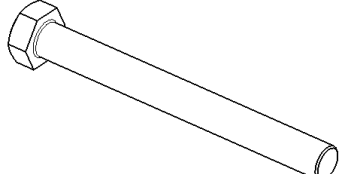
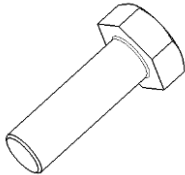
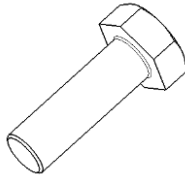


## Supreme X-Series Front Bar – Mitsubishi Triton MR (2019-2023)

⑲	1	 lamp bracket (R)	⑳	2	 Antenna bracket
㉑	1	 Support bar (L)	㉒	1	 Support bar (R)
㉓	1	 Camera support bracket	㉔	2	 Trailer hitch
㉕	1	 Radiator support			







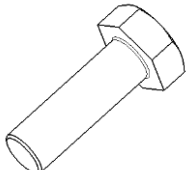
### Sensor relocation kits

⑳	4	 Lid	㉗	4	 Holder
㉘	4	 Lock ring	㉙	4	 Foam packer
㉚	4	 Foam ring	㉛	4	 Base



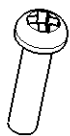
**Supreme X-Series Front Bar – Mitsubishi Triton MR (2019-2023)**

③②	8	 Tapping screw ST4_15			
<b>Hardware List</b>					
③③	2	 Tapping screw ST6_20	③④	27	 Hexagon screw and large washer assembly M6_20
③⑤	1	 Wrench S=4	③⑥	9	 Hexagon bolt and washer assembly M8_25
③⑦	2	 Hex bolt(full thread) M10x1.25_50	③⑧	8	 Hex bolt(full thread) M12_55
③⑨	6	 Hex bolt(full thread) M12_35	④⑩	2	 Hex bolt(full thread) M12_120
④①	2	 Hex bolt(full thread) M10_40	④②	4	 Hex bolt(full thread) M10_30
④③	5	 Hex nut M8	④④	12	 Hex nut M6

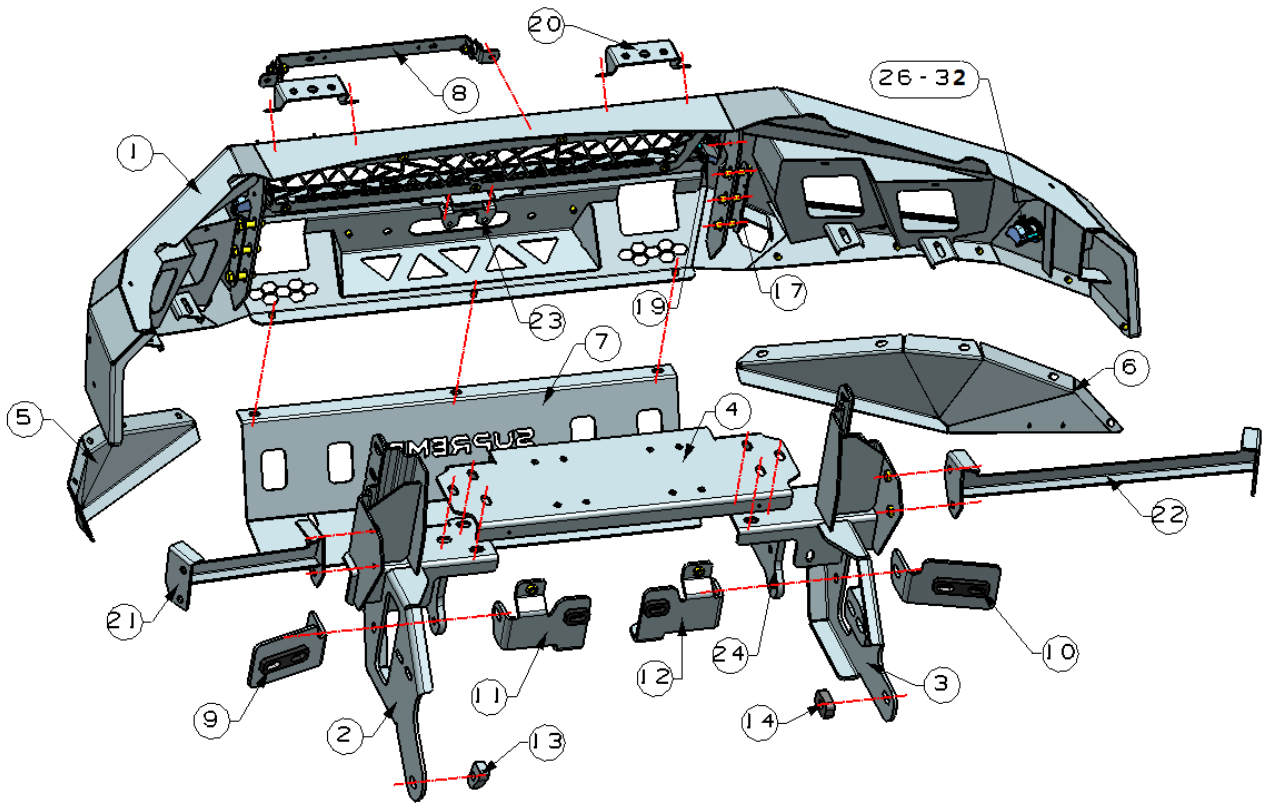
**Supreme X-Series Front Bar – Mitsubishi Triton MR (2019-2023)**

④⑤	38	 Spring washer D12_32_3	④⑥	14	 Large washer D10(10x30x2.5mm)
④⑦	22	 Spring washer D12	④⑧	12	 Spring washer D10
④⑨	22	 Hex nut M12	⑤⑩	2	 Hex nut M10
⑤①	4	 Hex bolt(full thread) M10x1.25_35			

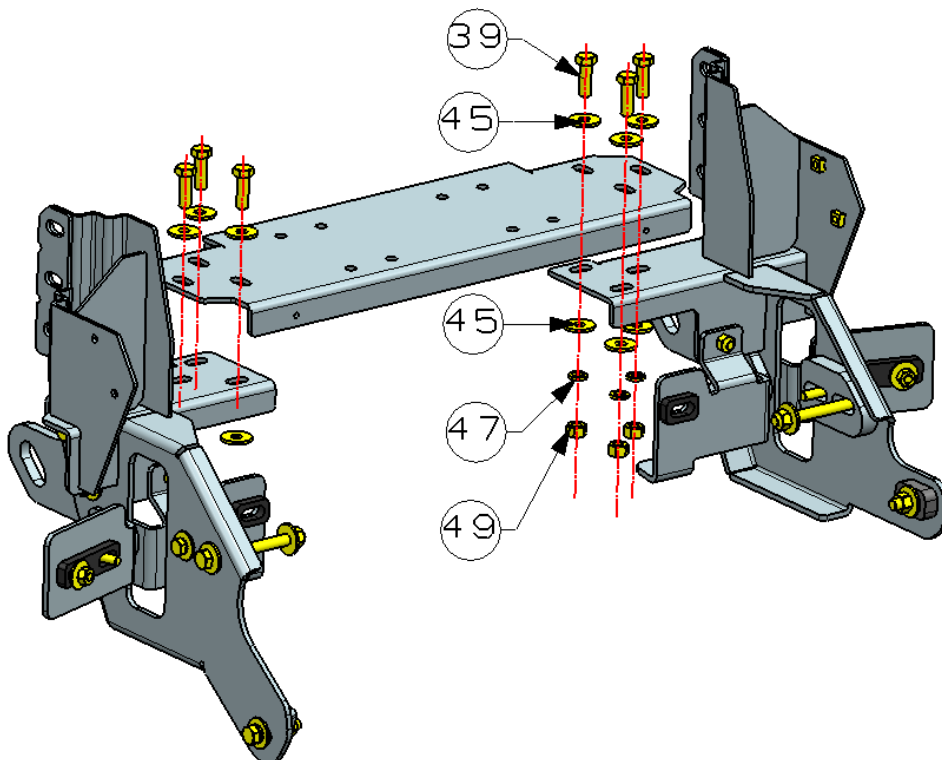
**Hardware list of foldable license bracket**

⑤②	8	 Flat washer D4(4x8.65x0.8mm)	⑤③	4	 Hex nut M4
⑤④	4	 Pan head bolt M4_16			

Installation Figure:



Winch Cradle Figure:



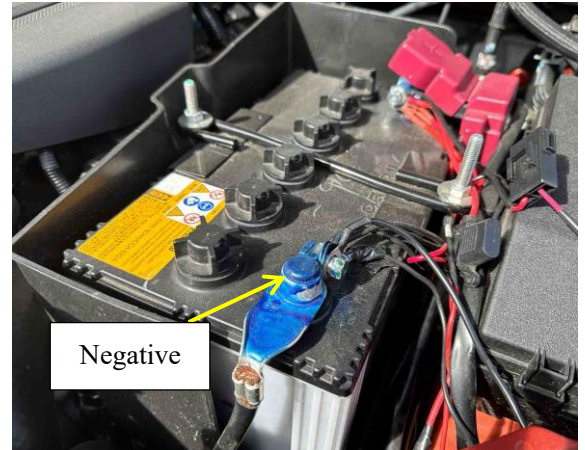
## Supreme X-Series Front Bar – Mitsubishi Triton MR (2019-2023)

**FIRSTLY:** Verify that all parts are present.

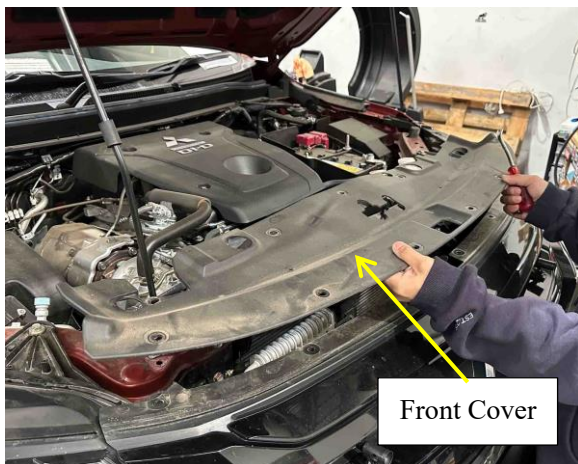
**NOTE:** Any factory clips or screws you remove need to be kept as it may be used in later steps.

### **REMOVING THE FRONT FACTORY BUMPER**

1. Remove the negative battery terminal on the vehicle's battery. This is a MUST do step to prevent error codes and miscalibration of the vehicle's tech pack/sensors and camera.



2. Remove the Plastic Front Cover in the engine bay removing any clips and screws. Once the cover is off you can remove the Front Grille. Keep all removed parts.



## Supreme X-Series Front Bar – Mitsubishi Triton MR (2019-2023)

3. If there is a Front Nudge Bar on the MR Triton, then remove that also.



4. Remove the Front Black Trims under both sides of the fog lights, there is a hidden bolt behind those that need removing. Then the whole Front Bumper can be removed.



## Supreme X-Series Front Bar – Mitsubishi Triton MR (2019-2023)

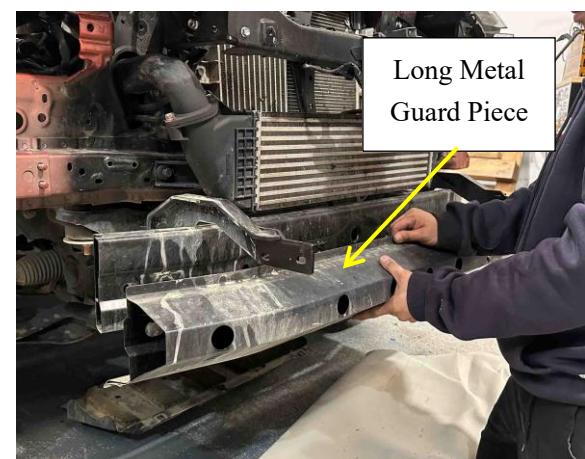
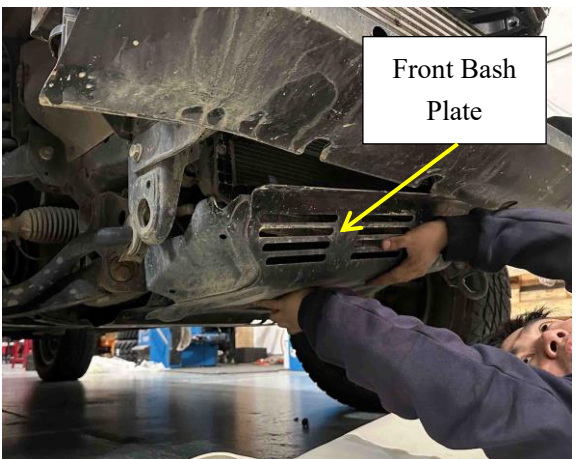
5. Remove the Plastic Side Guard Pieces on both sides of the vehicle as shown then remove the Metal Bracket Pieces that are behind it as well for both sides.



6. Remove the Frontal Mud Guards from both the Front Tyres.

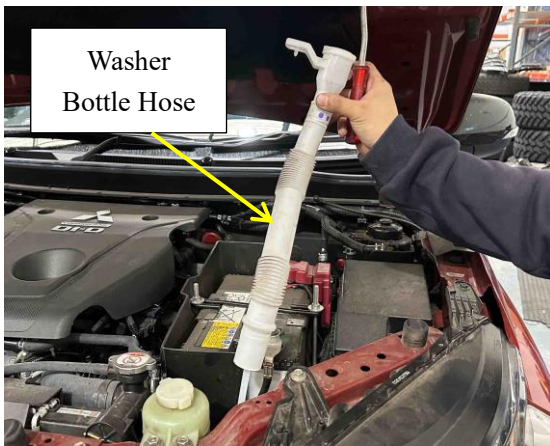


7. Remove the bottom Factory Bash Plate then remove the Long Metal Guard Piece at the front.  
**NOTE:** Keep the Factory Bash Plate as this will need to be refitted later.

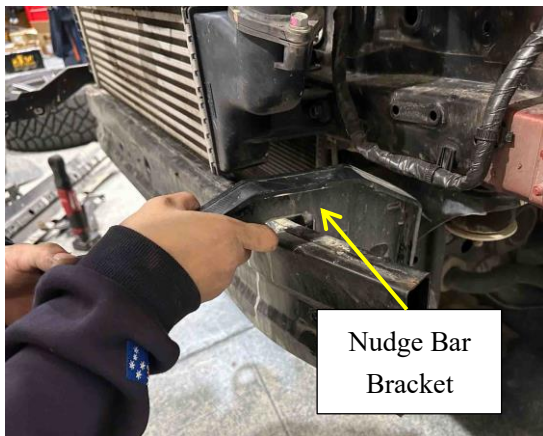


## Supreme X-Series Front Bar – Mitsubishi Triton MR (2019-2023)

8. Remove the Washer Bottle Hose first then detach the Washer Bottle itself.



9. For those vehicles with the Nudge Bar that was removed in Step (3), remove the Nudge Bar Brackets as well.

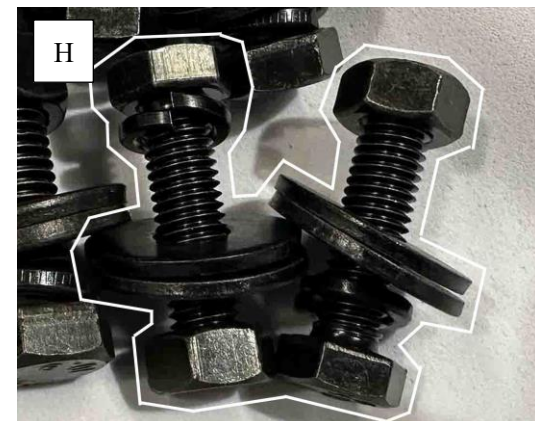
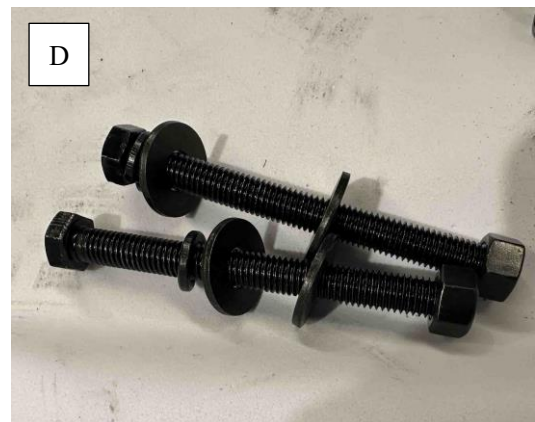


10. Remove this White Plastic Piece from each side of the vehicles flare arches, then screw the bolts back.



**FITTING THE RECOVERY POINTS AND WINCH CRADLE**

11. Setup the Bolts and Brackets like shown below:

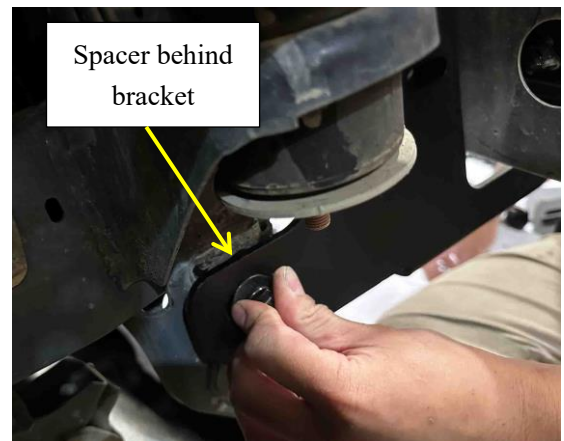
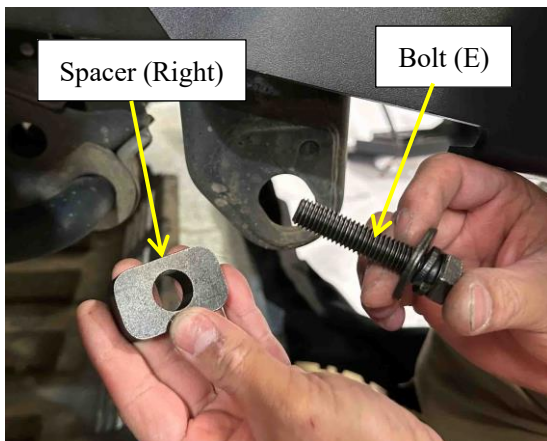


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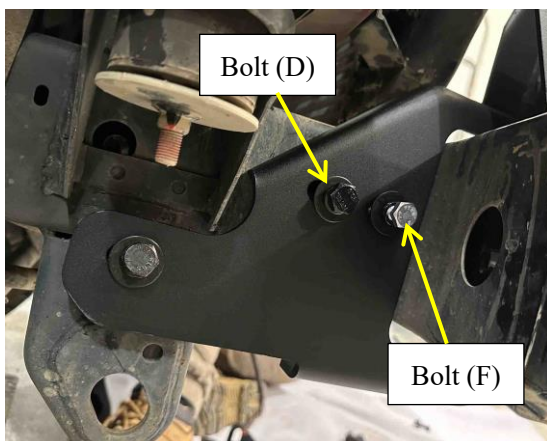
12. These are the Spacers needed and the LEFT and RIGHT ones are different, so make sure to use the correct one for the 2 different sides of the vehicle as shown below.



13. Using the Spacer and a Bolt from (E), secure the first bracket onto the vehicle like shown with the spacer between the bracket and the vehicle's Chassis. Do NOT tighten anything yet, just secure on.

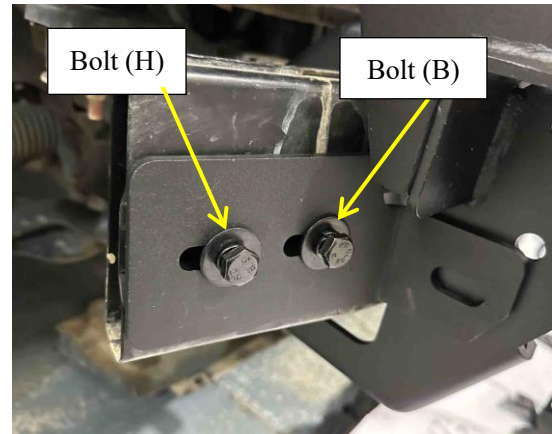
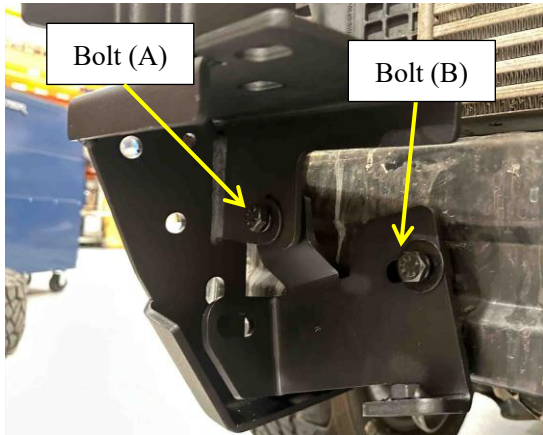


14. Secure the bracket with 2 additional bolts using Bolt (D) and Bolt (F) As shown.

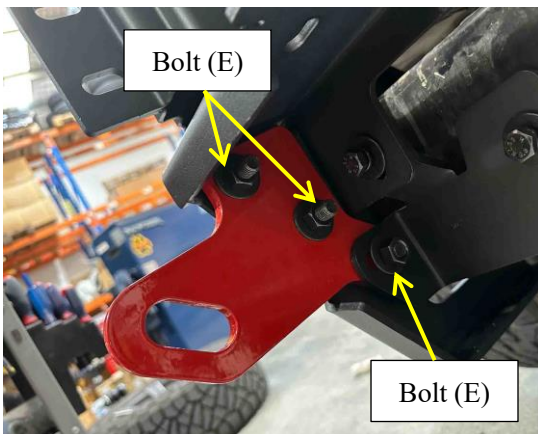


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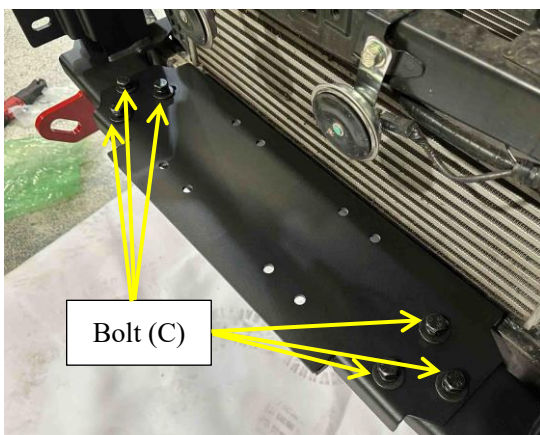
15. Secure but not tighten the 2<sup>nd</sup> Bracket piece onto the first as shown using Bolts (A) and (B). Then secure the 3<sup>rd</sup> Bracket on like shown using Bolts (H) and (B).



16. Fit the Red Recovery Point onto the newly assembled Cradle like shown and secure it with Bolts (E). Now repeat these steps for assembling the Cradle Bracket to the other side as well.

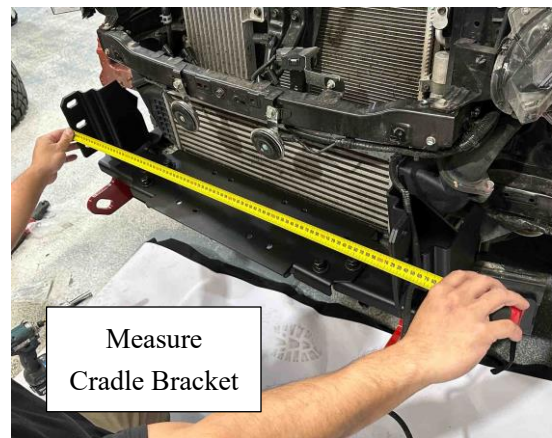
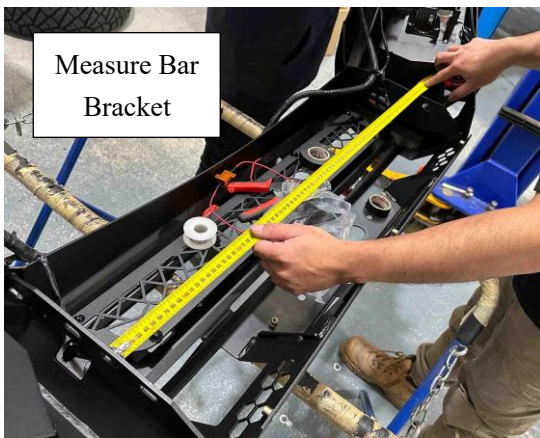


17. Place the Cradle Piece on top of the Brackets that were assembled like shown and secure it using 6x Bolts (C). **NOTE:** Bolt (G) and 2x Bolt (A) will be left over for future steps.



## Supreme X-Series Front Bar – Mitsubishi Triton MR (2019-2023)

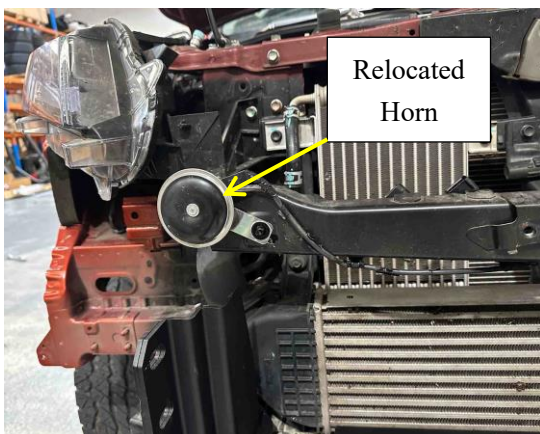
18. Measure the distance between the Brackets on the Front Bar and the Distance between the Winch Cradle Brackets to make sure the Bar Brackets will fit nicely on the outside of the Cradle Brackets. Adjust the Cradle Bracket as necessary to create the perfect distance.



19. Tighten all the bolts for the Cradle and remeasure the Cradle Bracket to make sure it is still the same length. If not, then adjust cradle and retighten bolts, repeat until Cradle Bracket distance is the same.



20. **NOTE:** If a winch is to be fitted onto this Front Bar, then the 2 horns need to be relocated further out to make room for the winch and can be relocated as shown here for both sides.

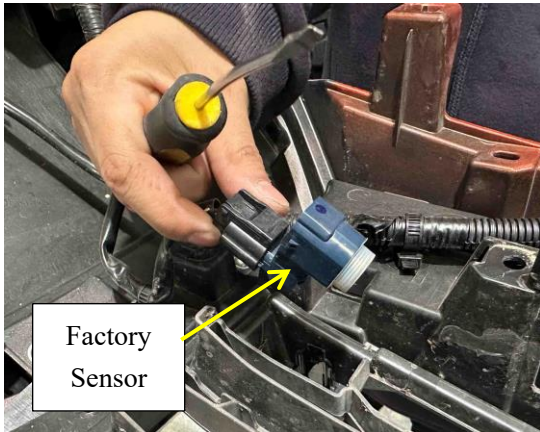


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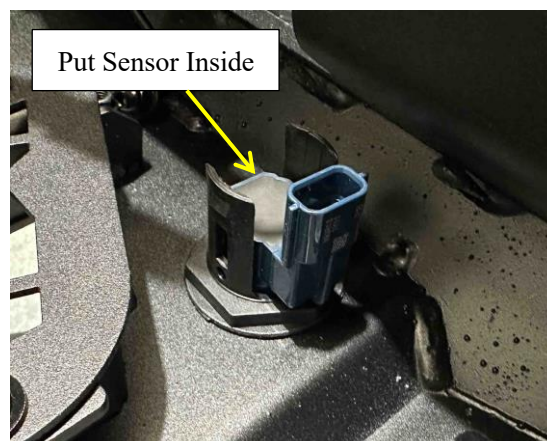
### ASSEMBLY OF THE LIGHTS & SENSORS ON THE FRONT BAR

21. Remove the Factory Sensors from the Factory Bar, which are shown below. Unclip the sensor for relocating to the Supreme Front Bar.

**NOTE:** Make sure the positions of the sensors on the Factory Bar are relocated to the same positions on the Supreme Front Bar.

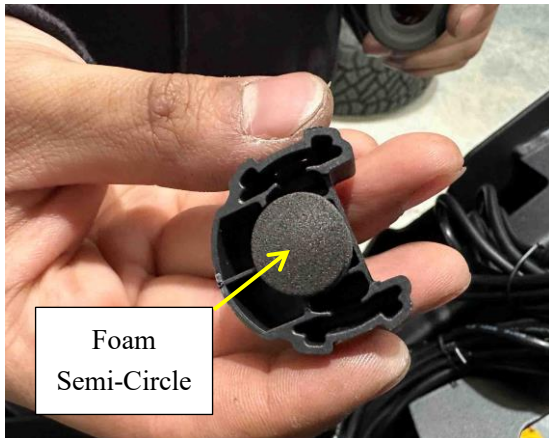


22. Place the Foam Circles around the front of the Factory Sensor, then assemble the Sensor Cover with the Sensor Bezel Chamber on the Front Bar and put the Factory Sensor Inside.



## Supreme X-Series Front Bar – Mitsubishi Triton MR (2019-2023)

23. Put the Foam Semi-Circle onto the Bezel Cap and clip it in to the top to complete the Bezel Chamber. All Sensors are fitted in this way.



24. **IMPORTANT:** Make sure ALL Sensor Bezels are VERY tightly screwed in and secured to the bar, as tight as you can possibly get it.

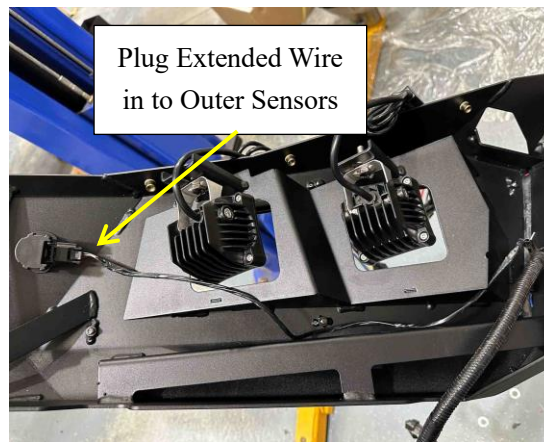
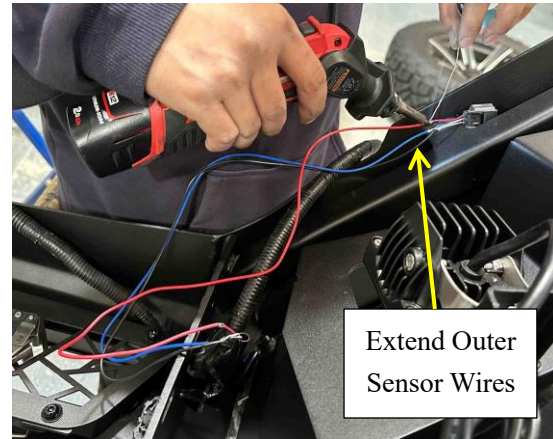
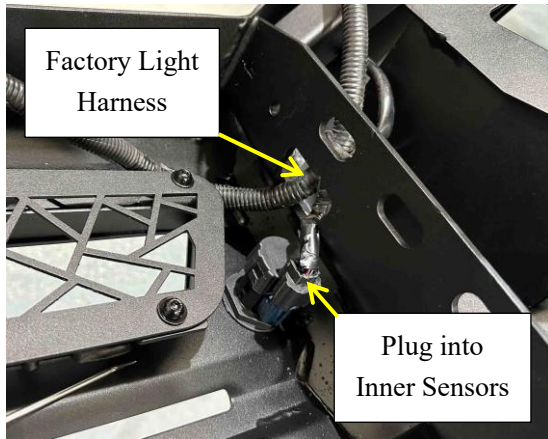


25. Remove the Factory Light Harness from the Factory Bumper, cut the signal light wire attached to the factory signal light socket as shown below, you won't need that socket head.

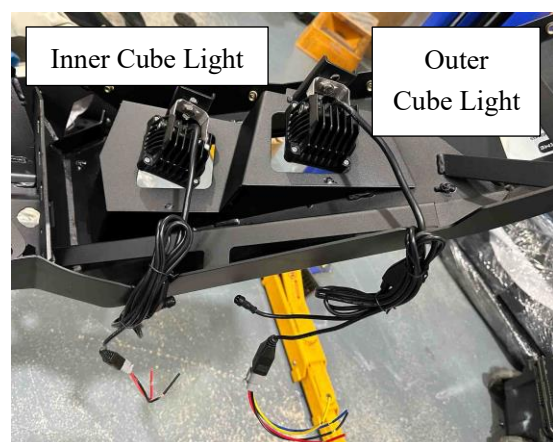


## Supreme X-Series Front Bar – Mitsubishi Triton MR (2019-2023)

26. Relocated the Factory Light Harness onto the Supreme Front Bar and plug in the 2 inner sensors. The 2 outer sensors will require extending to reach before you can plug them in.

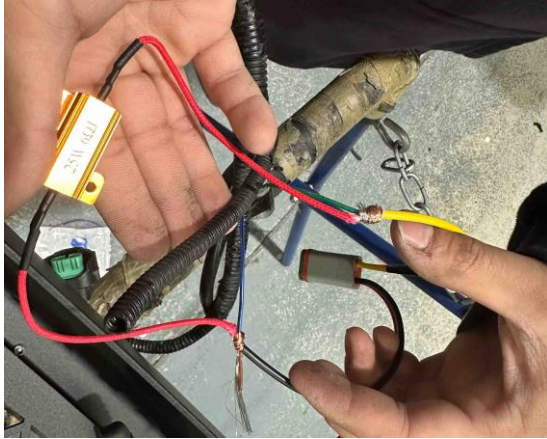


27. Fit the 4x Cube Lights onto the Front Bar, with the Cube Lights with the 4 coloured wires (Blue, Yellow, Black, Red) on the outer side of the bar, and the Cube Lights with only 2 coloured wires (Black and Red) on the inner side of the bar. Use the bracket and bolts provided. **NOTE:** Blue Wire is NOT used.

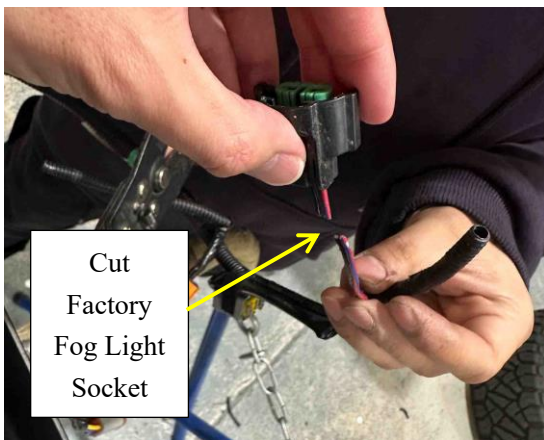


## Supreme X-Series Front Bar – Mitsubishi Triton MR (2019-2023)

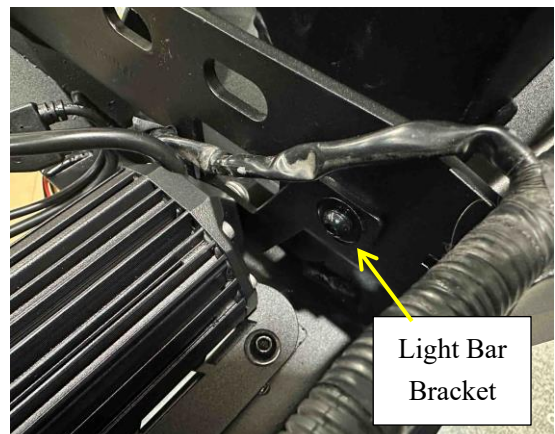
28. Connect the resistor to the Outer Cube Light (which has the 4 coloured wires) & Factory Signal Light Wires (Blue Black + Green Yellow) that was cut in step (25). Do this by connecting one of the Red Wires from the Resistor to the Yellow Wire on the Cube Light + the Green Yellow Wire from the Factory Signal Light. Then connect the other red wire from the Resistor to the Black wire of the same Cube Light + the Blue Black Wire from the Factory Signal Light. Do this step for both pairs of Cube Lights on each side.



29. Cut the Factory Fog Light Socket to expose the Red Blue Wire and Black Wire. Connect that Red Blue wire to the Red Wires of both of Cube Lights. Connect the Black Wire from the Factory Fog Light Socket to the Black Wire of the inner Cube Light. Do the same for the other pair of cube lights.

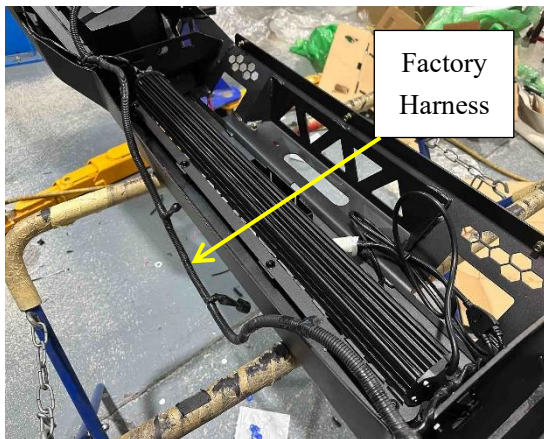


30. Fit the Light Bar to the Front Bar using these brackets as shown to mount it on both sides.

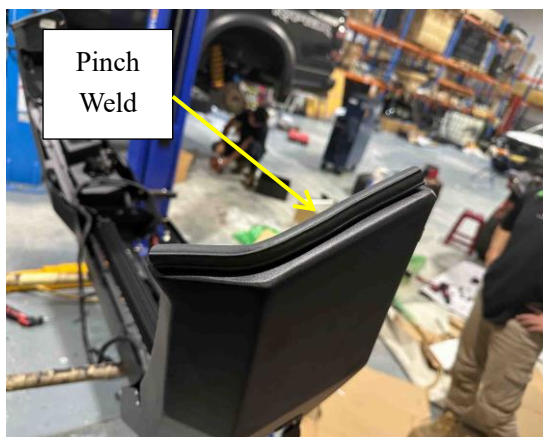


## Supreme X-Series Front Bar – Mitsubishi Triton MR (2019-2023)

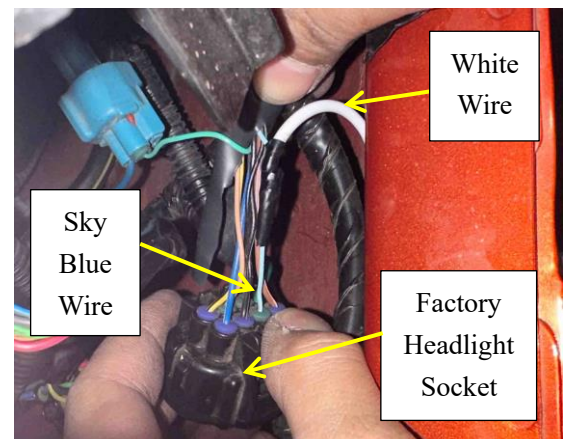
31. Neatly cable tie the Factory Harness onto the Front Bar and make sure to wrap all exposed wires that were spliced and connected with electrical tape. And cable tie down any longer wires where you can.



32. Put Pinch Weld along both sides of the Front Bar like shown. The Pinch Weld is not provided so please source your own. This is the type you should use as shown below.

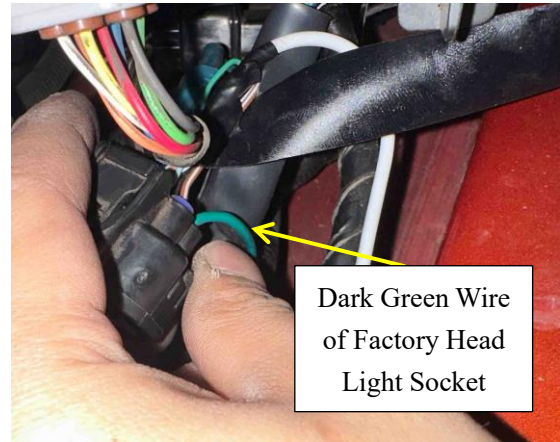
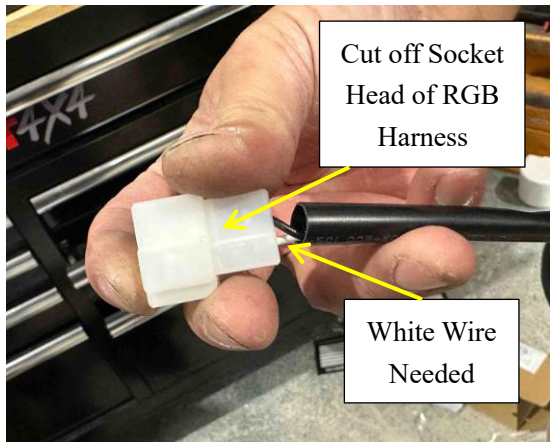


33. Fit the RGB Harness onto the front left of the Vehicles front end by securing with cable tie. Connect the White Wire of the RGB Harness to the Sky Blue Wire (Bottom row, third from the left) of the Factory Headlight Socket as shown and Solder and Electric Tape it together.

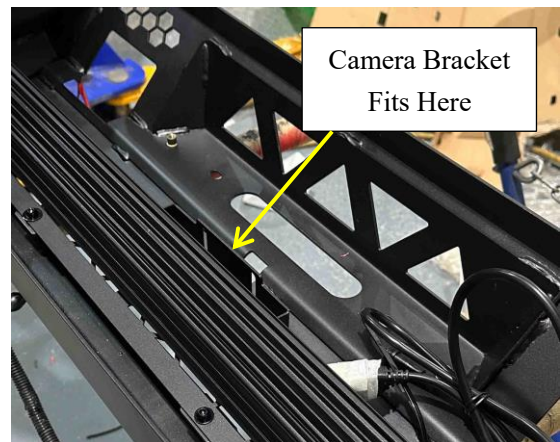


## Supreme X-Series Front Bar – Mitsubishi Triton MR (2019-2023)

34. If the vehicle doesn't have a Light Bar Harness (like vehicles which come with a Front Light Bar), then use the Supreme Light Bar Harness and remove the Socket Head to expose the Black and White Wires. Use the White Wire to connect to the Dark Green Wire of the Factory Head Light Socket.



**NOTE:** For vehicles with a camera, you will need to fit this bracket onto the Front Bar under the Light Bar to be able to mount the camera on.



## Supreme X-Series Front Bar – Mitsubishi Triton MR (2019-2023)

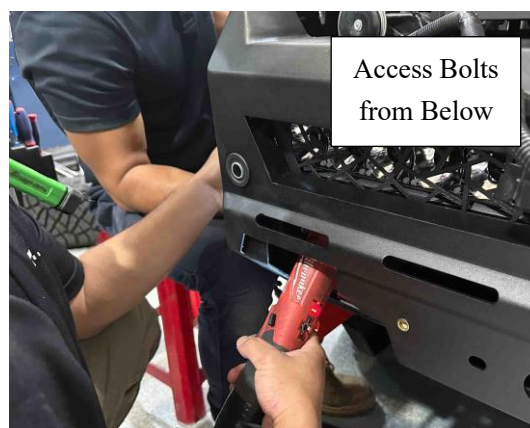
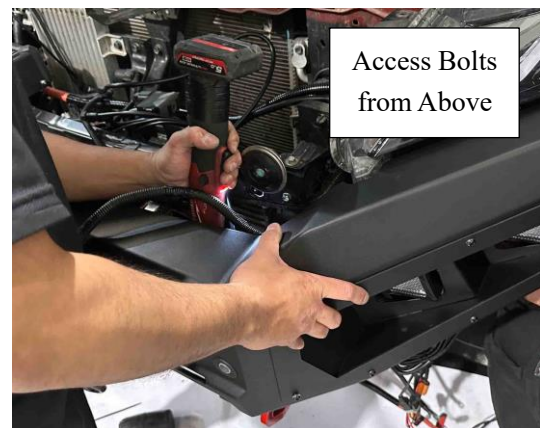
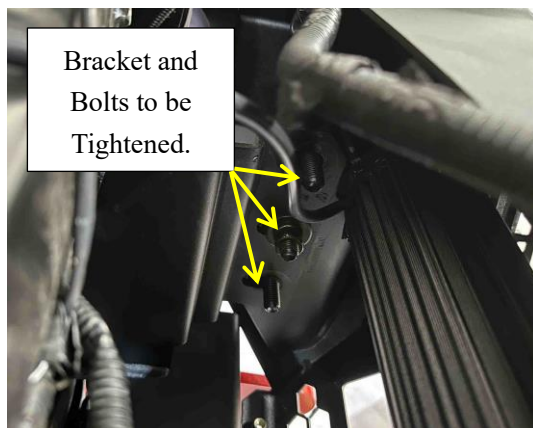
### FITTING THE FRONT BAR

35. Fit the prepped Front Bar onto the vehicle (We recommend having 2 other people assist you by holding the Front Bar on both sides) and align it best you can.

**IMPORTANT:** Leave a gap between the bar and the headlights to prevent damage from flexing.



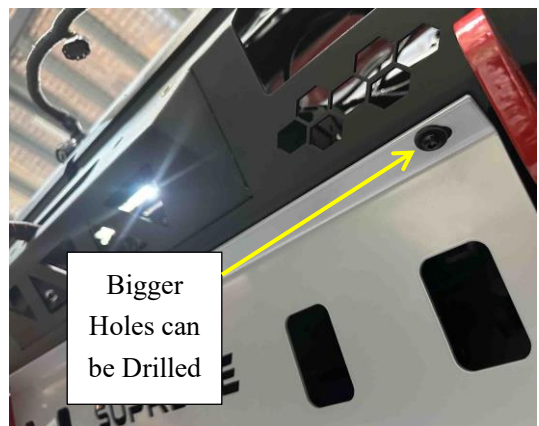
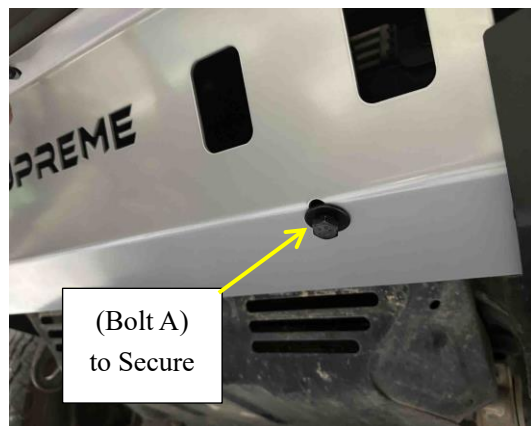
36. Once the Front Bar is aligned perfectly, use "Setup G" (From step 11) and tighten the bolts on this bracket to secure the Front Bar onto the vehicle. You can access the top bolts from above the bar and the bottom bolt access can be through the gap at the lower part of the bar as shown.



## Supreme X-Series Front Bar – Mitsubishi Triton MR (2019-2023)

37. Re-Fit the Factory Bash Plate back onto the vehicle that we removed back in Step (7). Then fit the Supreme Bash Plate on the Front securing with bolts. If the Bash Plate bolt holes don't align perfectly you can drill bigger holes to make it fit.

**NOTE:** Always use an anti-rust spray to apply to drilled areas.



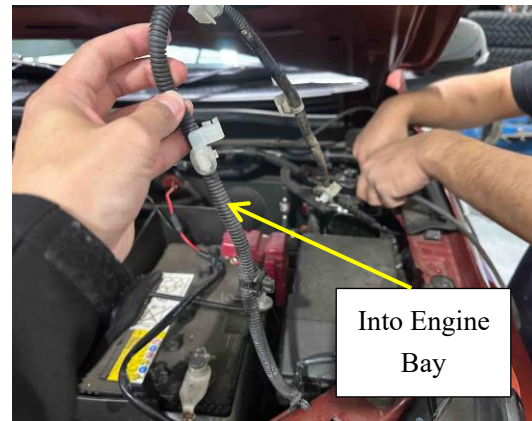
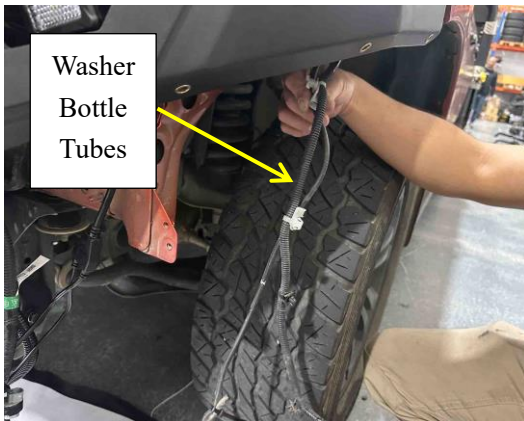
38. Fit the Side Bar Support Brackets to each side of the Front Bar. If the Bolt Holes do not align perfectly then it is ok to drill new holes to match then secure with bolts, just remember to use anti-rust spray to treat the newly drilled holes.

**NOTE:** Only need 1 bolt to secure the side of the bracket that joins onto the vehicle, despite 2 holes.



## Supreme X-Series Front Bar – Mitsubishi Triton MR (2019-2023)

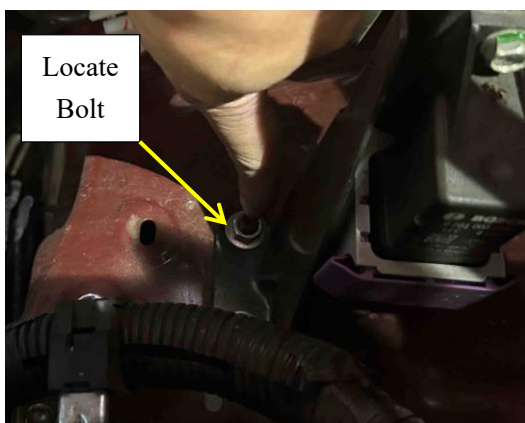
39. Now to relocate and fit the Washer Bottle. Locate the Washer Bottle Tubes that are hanging down from the Left Side of the vehicle and relocate them up into the Engine Bay as shown.



40. Modify this piece shown by cutting the edge smaller to fit the Washer Bottle like shown.



41. Locate this Bolt in the Engine Bay next to the Battery, this will be where the Washer Bottle will be relocated to. Setup the Washer Bottle Wiring as shown below.

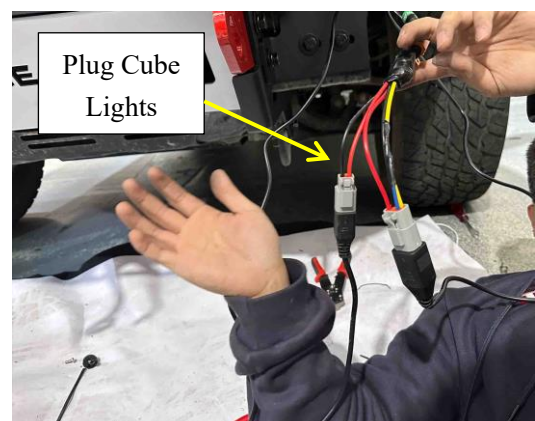


## Supreme X-Series Front Bar – Mitsubishi Triton MR (2019-2023)

42. Take the Washer Bottle Water Tube and cut it shorter so the length is enough to reach where the Washer Bottle will be relocated to, then plug in that Water Tube back into the Washer Bottle Pump. Then fit the Washer Bottle into its new position next to the battery on the bolt identified in the previous Step.

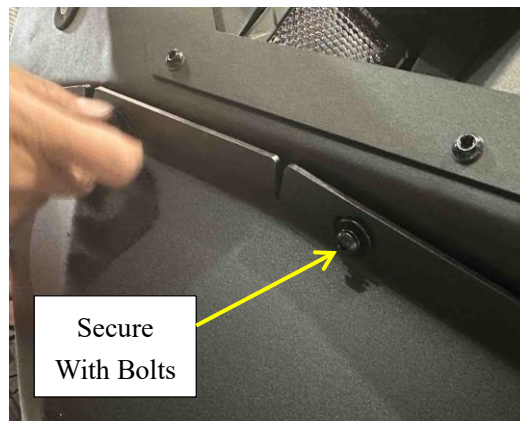


43. Plug the RGB Harness Lights into the Cube Lights and Light Bar, there are 6 harness light plugs but you will only need to plug in 5 (4x cube lights + 1 light bar) leaving 1 extra. Also re-plug the Cube Lights if you had unplugged them early.



## Supreme X-Series Front Bar – Mitsubishi Triton MR (2019-2023)

44. Bundle all cables neatly and secure together with Cable Tie in this Position as shown. Then Fit the Side Wing Plates securing them with bolts as shown to cover up the Cables that were bundled up.



45. Fit the Number Plate Bracket and Number Plate on as shown to the front of the Front Bar:

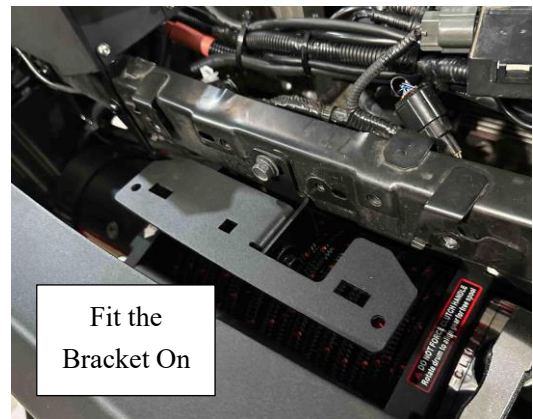


## Supreme X-Series Front Bar – Mitsubishi Triton MR (2019-2023)

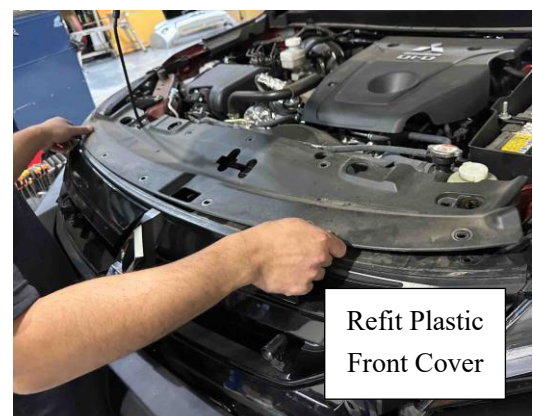
46. To refit the Factory Grille back on, you will need to assemble this Bracket shown below.



47. Then locate this bolt at the front of the vehicle and unscrew it, to fit the Bracket that was assembled in the previous step.



48. Refit the Factory Grille back onto the vehicle by clipping the bottom of it to the Bracket that was installed in the previous step, then refit the Plastic Front Cover that was removed in Step (2).

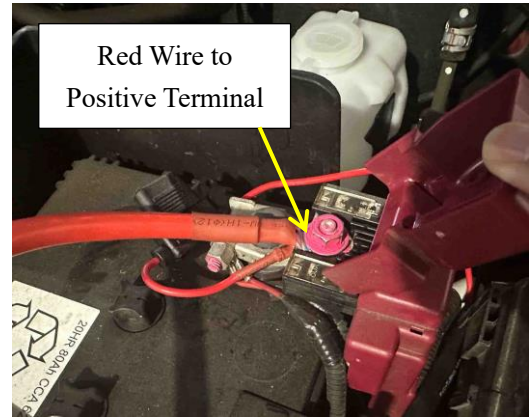


## Supreme X-Series Front Bar – Mitsubishi Triton MR (2019-2023)

49. Once everything is fitted and all wired up, you will need connect the RGB and HIGHBEAM harnesses (If the vehicle didn't have a HIGHBEAM Harness and you had to use the Supreme Harness) to the vehicle's battery. Firstly, connect the Negative (black) wires with the metal ring to the Ground located on the passenger side of the engine bay near the battery as shown in the image below and secure with nut. Then connect the Positive (red) wires with the metal ring to the Positive Terminal of the vehicle's battery as shown and secure with a nut.

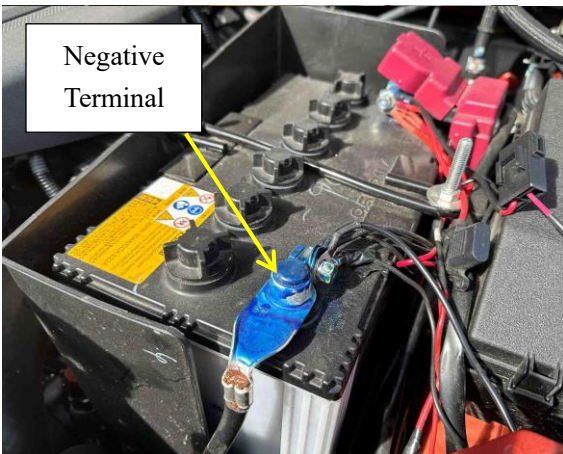


Black Wire  
to Ground



Red Wire to  
Positive Terminal

50. Lastly put the negative battery terminal back into its place that was removed in Step (1).



Negative  
Terminal

51. Test all the lights: High Beam, Fog Lights, Indicators, Light Bar
52. Test all the sensors and camera.
53. If any of the Lights, Sensors or Camera are not working, go back through the fitting instructions and make sure you have followed them correctly and that your fitment matches.

**INSTALLATION IS NOW COMPLETE**

54. Stand back and admire your work of art.

**NOTE**

Any damage caused by improper installation or not following the fitting instructions will NOT be covered by our product warranty.