



# **SUPREME X-SERIES REAR BAR**

Next GEN Raptor (2022+)

INSTALLATION MANUAL

## SUPREME REAR BAR FOR FORD RAPTOR 2023

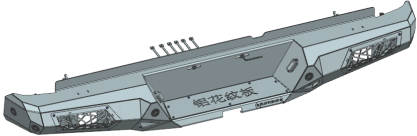
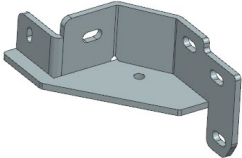
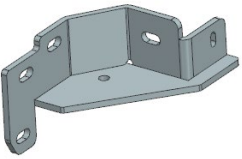
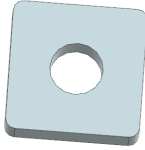
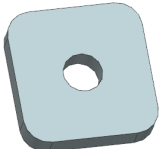
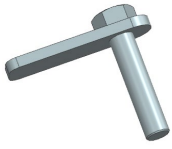
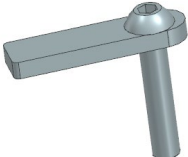
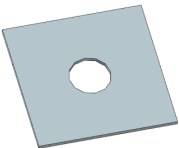
### Before Installation

- Please read the instruction completely for easy installation, which will also help you to avoid scratches or other potential damages to your appealing car.
- The figures here are for reference only and may have differences with the actual product you received, however they share the same assembly way.


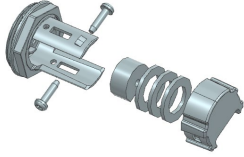
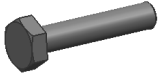






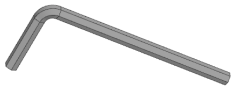


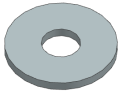

### Care and Cleaning

- 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

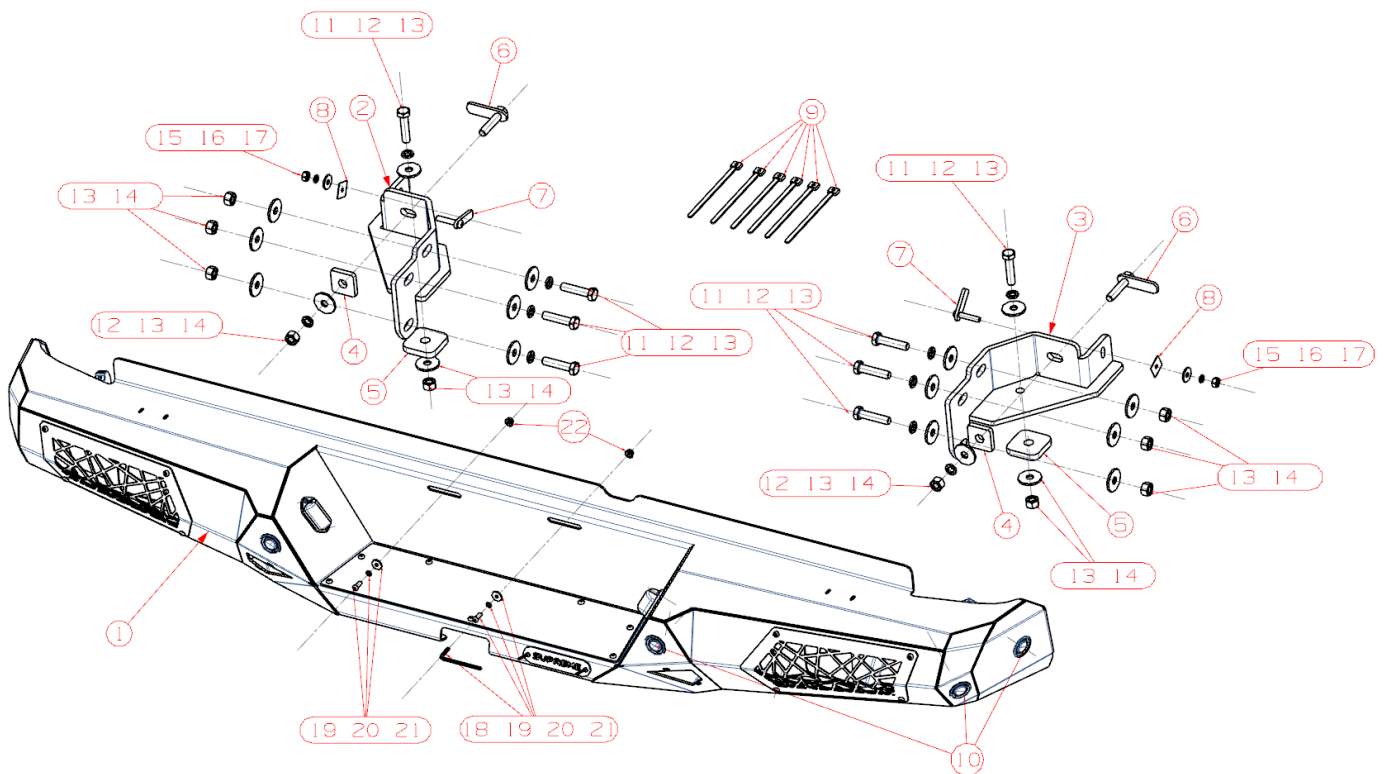
NO.	QTY	PIC	NO.	QTY	PIC
①	1	 Rear Bar	②	1	 Bracket (L)
③	1	 Bracket (R)	④	2	 Spacer-01
⑤	2	 Spacer-02	⑥	2	 T-Bolt -M12
⑦	2	 T-Bolt -M8	⑧	2	 Plastic bash plate

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⑨	6	 Cable tie	⑩	6	 Sensor holders
⑪	8	 HEX BOLT M12-50	⑫	10	 SPRING WASHER 12
⑬	18	 LARGE WASHER D12	⑭	10	 HEX FLANGE NUT M12
⑮	2	 LARGE WASHER D8	⑯	2	 SPRING WASHER D8
⑰	2	 HEX FLANGE NUT M8	⑱	1	 Open-end wrench-s=4
⑲	2	 Hexagon socket round head screw M6-16	⑳	2	 SPRING WASHER D6
㉑	2	 LARGE WASHER D6	㉒	2	 Hexagon Flange Nut M6

## Installation Steps

### INSTALLING FIGURE:

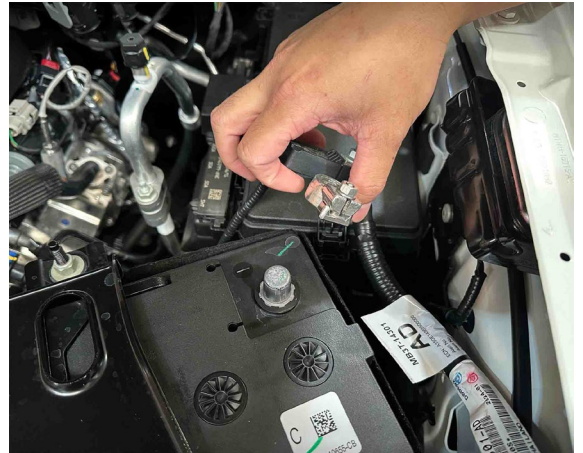


**FIRSTLY:** Verify that all parts are present before you begin.

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

### REMOVING THE REAR FACTORY BUMPER

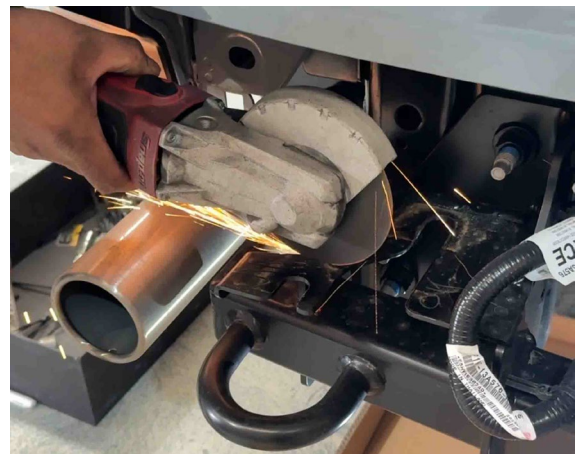
1. Remove the negative battery terminal on the vehicle's battery. This is a MUST do step to prevent error codes and miscalibration of the vehicle's computer system.



2. Remove all the bolts and unplug the factory harness, then remove the factory rear bar.



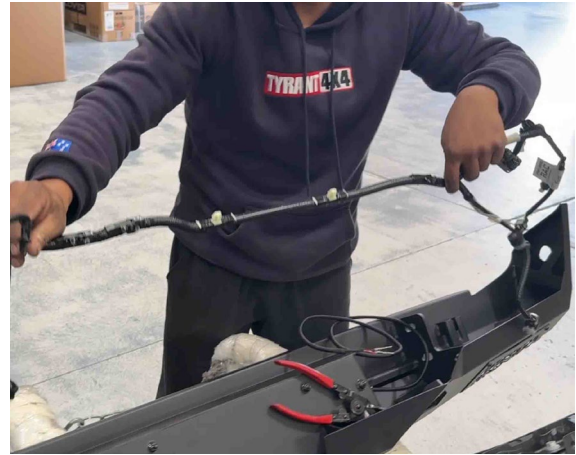
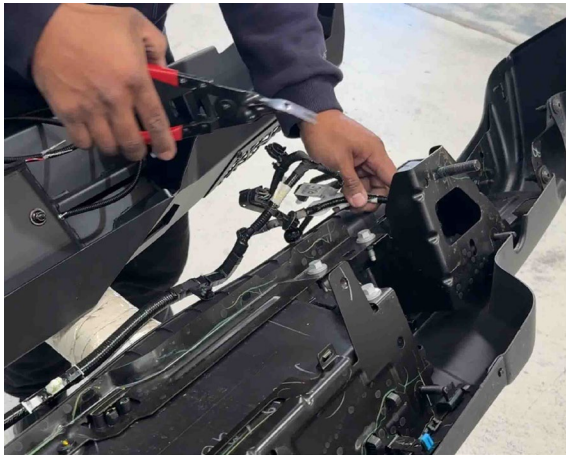
3. Cut off these pieces shown below on both sides of the vehicle. Spray the cut edge with an anti-rust paint to prevent rusting.





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4. Remove the Rear Bar Factory Harness and relocate it to the Supreme Rear Bar



5. Check to make sure all Sensor Holes are smooth without any burles. If there are imperfections, then smooth them out.



6. Fit the Sensor Chambers to the Sensor Holes on the Rear Bar, Chamber on the inside, Ring Cover on the outside.



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7. Detach Sensor from the Harness and remove the white ring cover on it.



8. Take the Ring Foam Sticker and stick it to the Sensor Front.



9. Take the Semi-Circle Foam Sticker and attach that to the Sensor Chamber Lid as shown.





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10. Put the Sensor into the Sensor Chambers that were fitted on the Rear Bar, making sure the positions of the sensors that were on the factory bar corresponds with the positions on the Supreme Rear Bar. Then place the Chamber Lid on top to secure it.



11. NOTE: depending on the year model of the Next GEN Raptor, there will be either 4 or 6 sensors. If there are only 4 sensors, then cover the 2 outer sensors with the sensor caps.



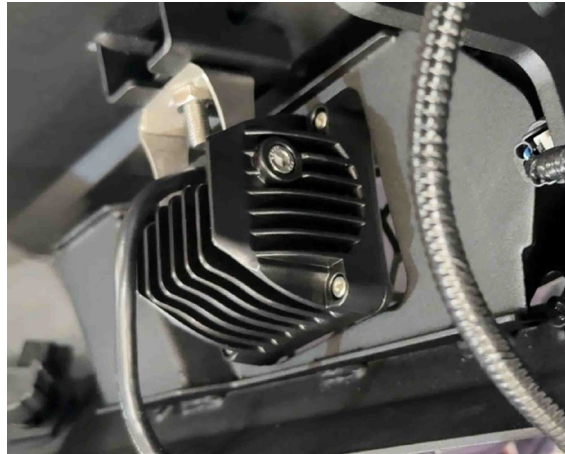
12. Unscrew the Cube Light Frame and turn it upside down so the words are the right way up with the Bracket above it as shown.





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13. Setup the Cube Light Bracket like shown (If you can use a bigger washer like the black one shown – this is not provided) and fit the Bube Light onto the Rear Bar making sure to aim the Cube Lights downwards.

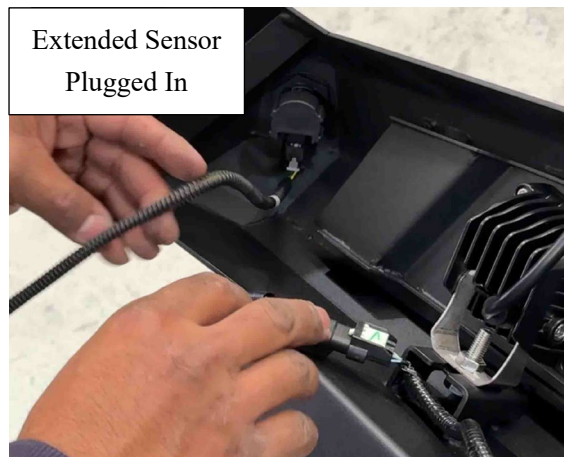
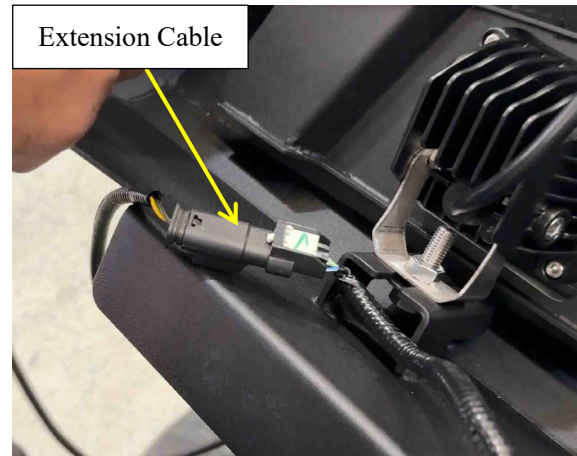


14. Plug in the Sensor Plugs from the Factory Harness to the Sensors that were fitted on the Rear Bar. Depending on how many sensors the vehicle has, different sensor plugs will need extending.

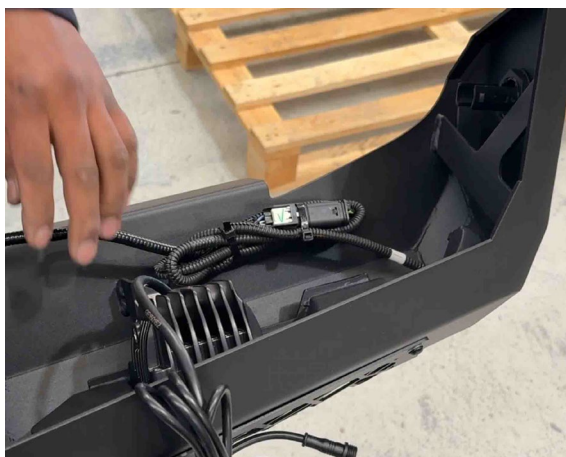


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15. For vehicles with 4 Sensors. Plug in one side sensor and the 2 middle sensors with the factory harness sensor plugs. Extend the furthest side sensor plug with the extension cable provided.



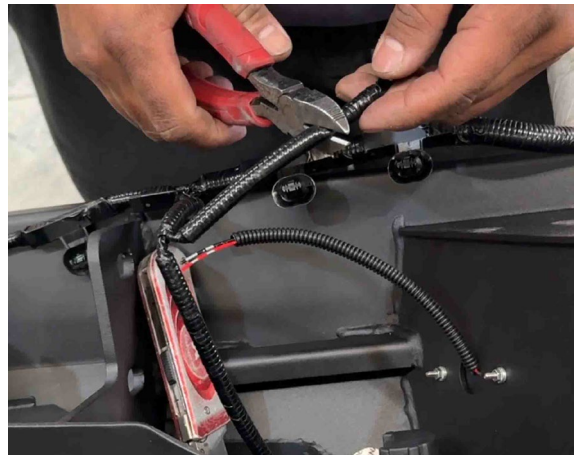
16. For vehicles with 6 Sensors, use the factory harness plugs to connect the 2 furthest outer sensors, the 2 inner most sensors, then extend the 2 sensors that are between outer and inner most sensors with the Extension Cables. Neatly fold and cable tie the extension cables to the bar.



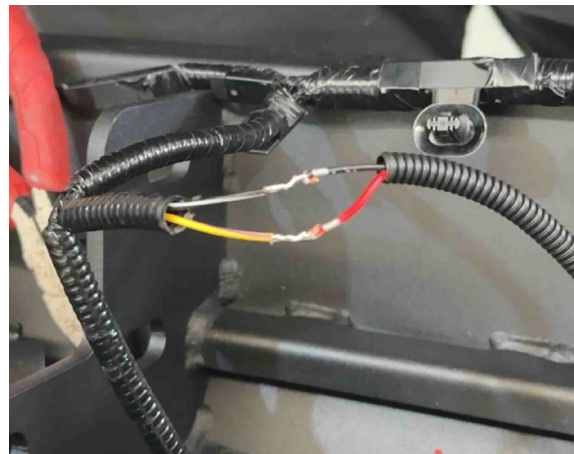
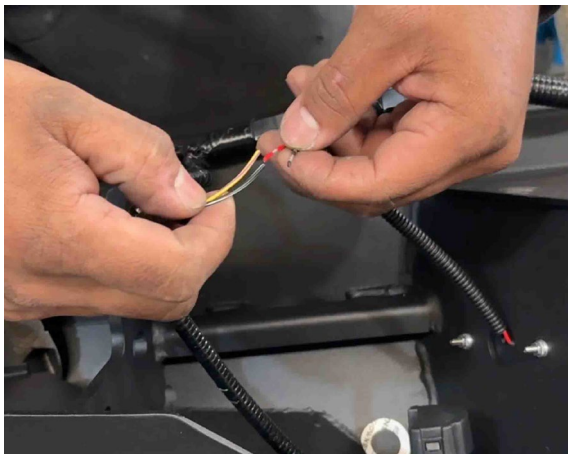


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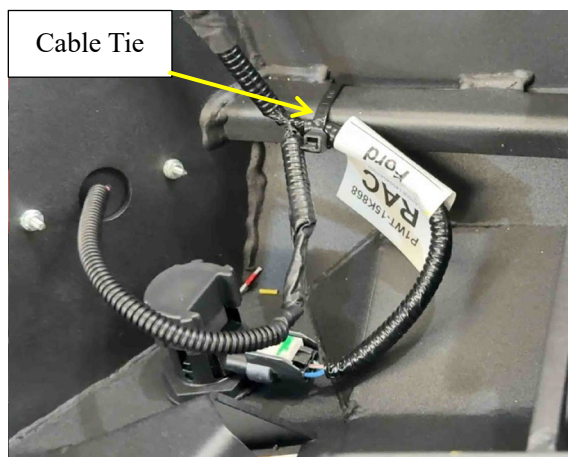
17. Shorten the Number Plate Light cable on the Supreme Rear Bar exposing the Red and Black Wires. Then cut and expose the Factory Harness Number Plate Light Wires which are Black and Yellow.



18. Then connect the Black wires together and the Yellow and Red wires together to connect the Number Plate Light. Solder and wrap in electrical tape to finish.



19. Cable tie the Factory Harness to the Rear Bar so the Sensors do not move even if the Harness moves.

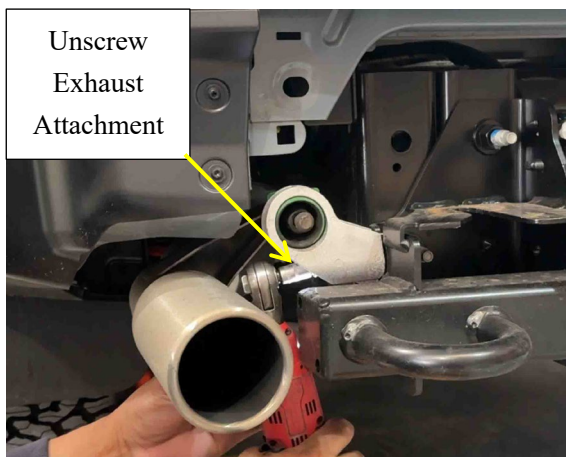


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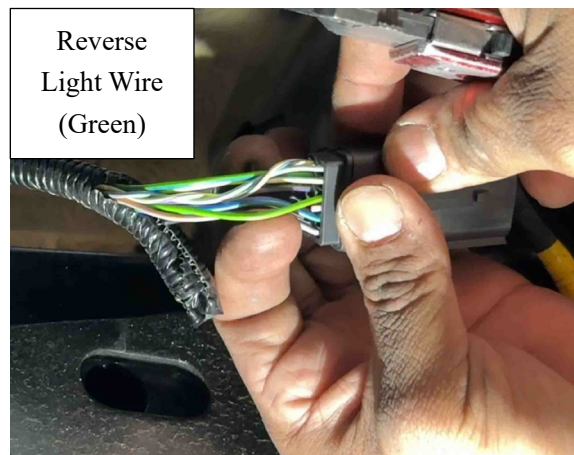
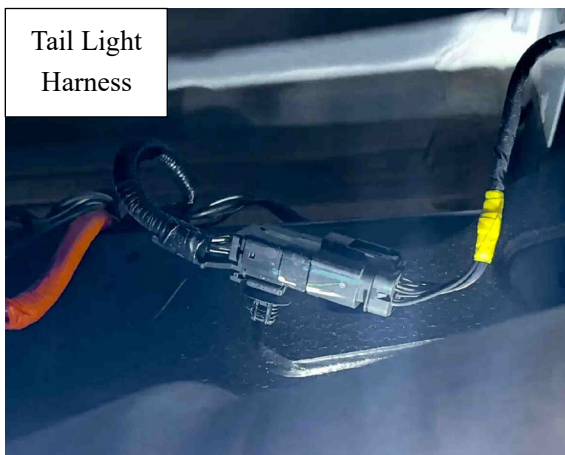
20. Lower the Spare Tyre and move it out of the way for the next steps.



21. Unscrew the Exhaust attachment to make the next steps easier. Don't need to remove, just unscrewed so the Exhaust is flexible and can be moved out of the way. Do this for both sides.

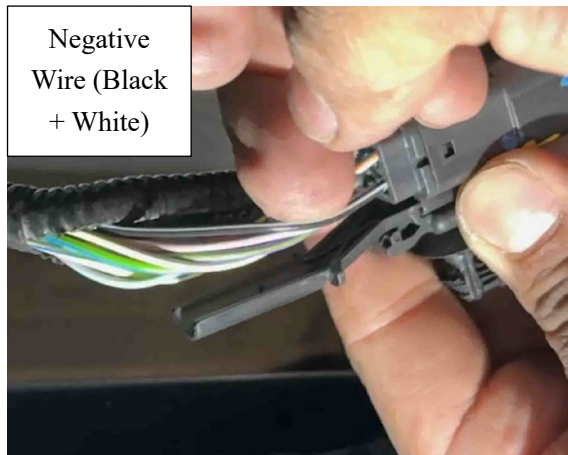


22. Located the Tail Light Harness and identify the Reverse Light Signal Wire (Will be the green wire that is in the middle of the socket next to a little white piece that sticks out).

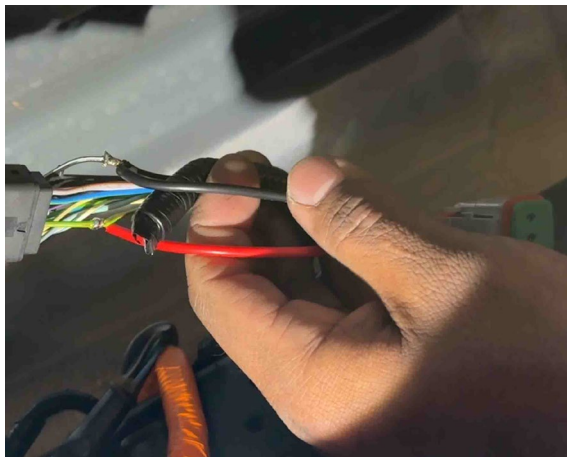




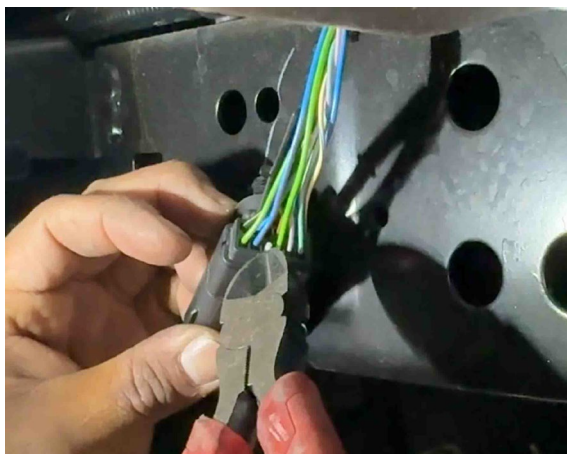
23. Also identify the Negative wire which will be a black and white wire on the other row of wires.



24. After identifying these signal wires, connect the Cube Light Red and Black Wires to them. The Red Wire to the Yellow, while the Black to the Black + White.

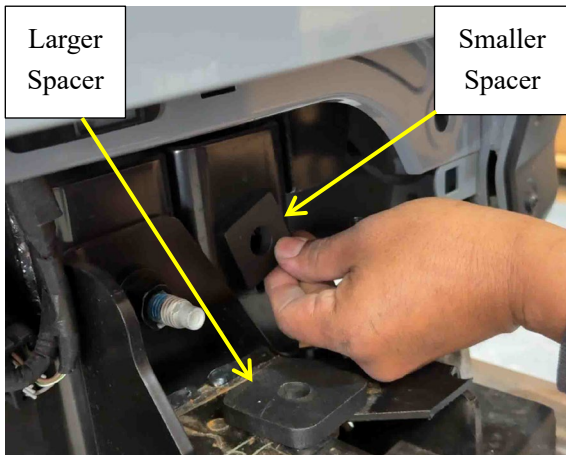


25. Repeat steps (22) to (24) for the other side Tail Light Harness and Cube Light. The wire colours maybe a little different, but it is still in the middle next to the white little protruding bit (should still be green) for the Reverse Light Signal, and the Black wire behind it as the negative.



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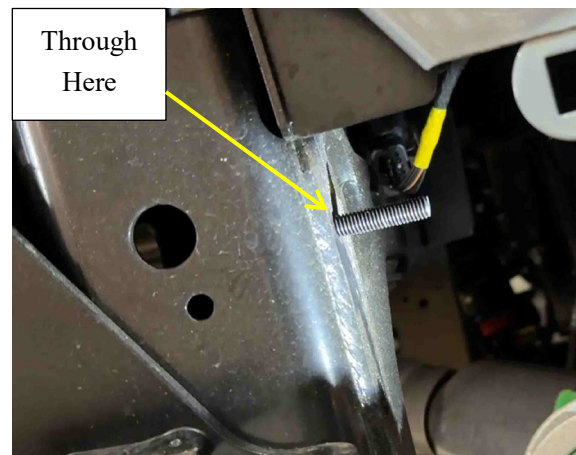
26. Setting up the Brackets – Firstly there are 2 spacers that need to be used, the larger one is at the bottom while the smaller one on the top



27. Now put the bracket into position as shown with the spacers behind.

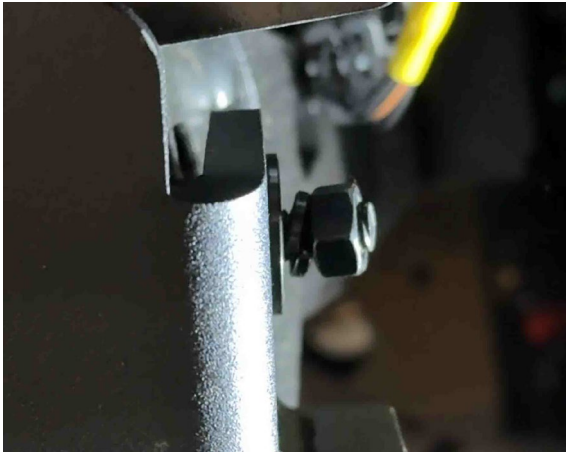


28. Use the smaller L Shaped Bolt to go through the hole shown, reach in through the back and from the bottom up (Bracket from step (27) not shown here, but it needs to be on with the spacers with this bolt going through).



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29. Then secure the smaller L Shaped bolt with a Flat Washer, Spring Washer and Nut.



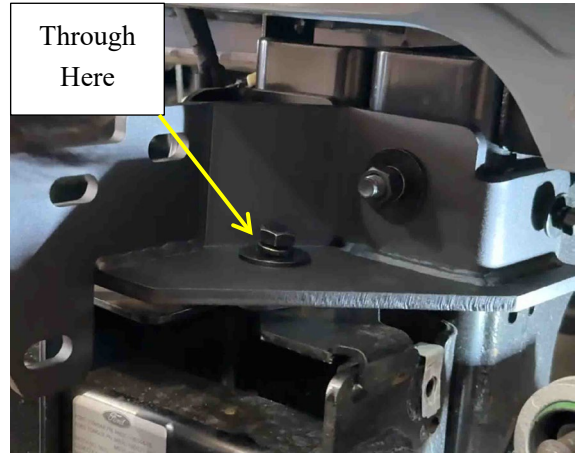
30. Use the Larger L Shaped Bolt which goes through here through the Spacer and Bracket. Then secure with a Flat Washer, Spring Washer and Nut.



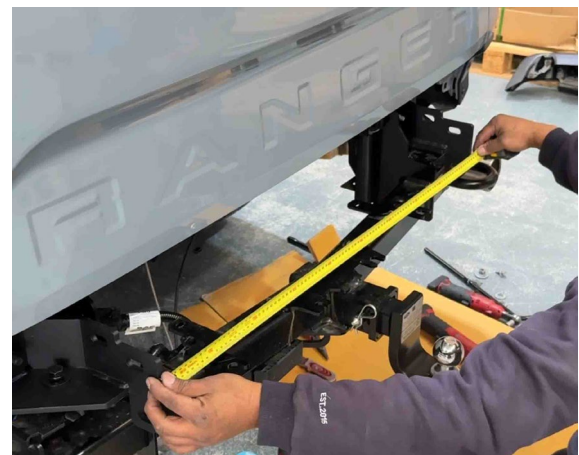


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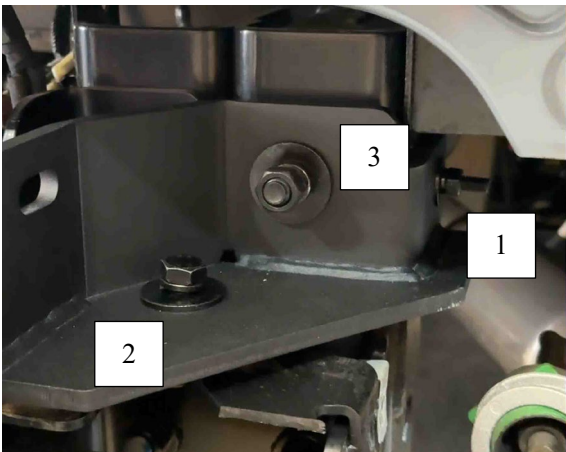
31. Setup a Bolt like this, then it goes through the bottom hole bracket and spacer and secure with flat washer and nut. DO NOT tighten anything completely yet, adjusting still needs to be done. Setup both Brackets.



32. Measure the distance between the brackets on the rear bar, then measure the distance between the Brackets that were setup above. Adjust the Bracket setup so the distance allows for the Rear Bar brackets to fit.



33. Once the Brackets are adjusted to match, then tighten all the bolts on the Brackets in this order.



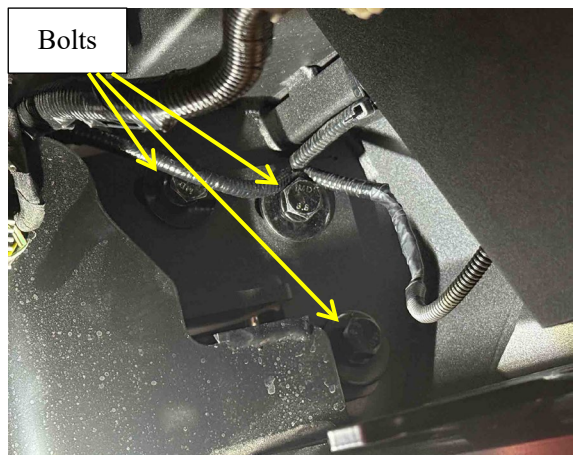


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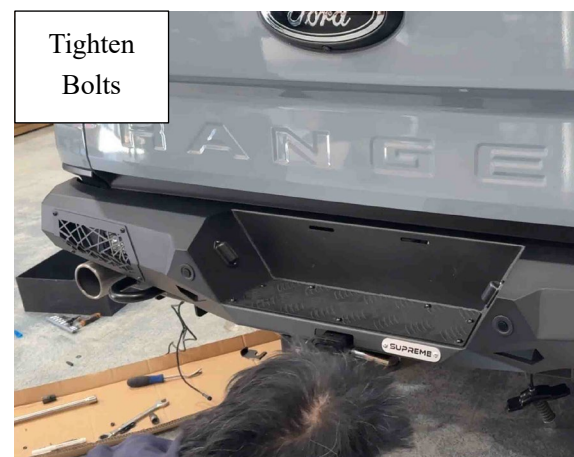
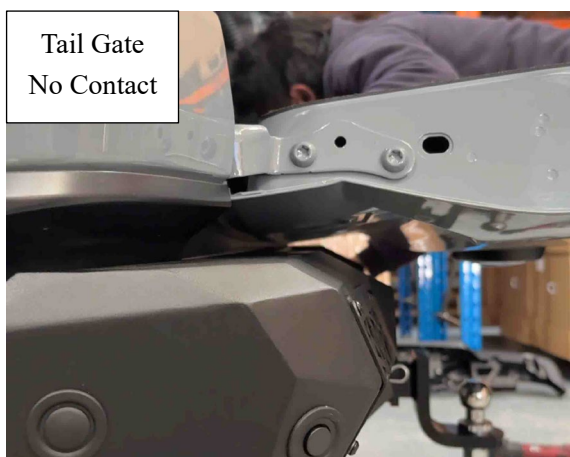
34. Put the Rear Bar onto the Brackets and setup 6x bolts like shown.



35. Secure the Rear Bar to the Brackets with the 6 bolts shown above, 3 bolts per side.



36. Adjust the bar so that the Tail Gate does not contact with the Rear Bar. Once adjusted and flush on both sides tighten all the 6 bolts.



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37. Plug in the Cube Lights, there is also an RGB cable which is not needed so just cable tie it somewhere. Reconnect the Factory Harness to the Vehicle and cable tie all cables and wires neatly.

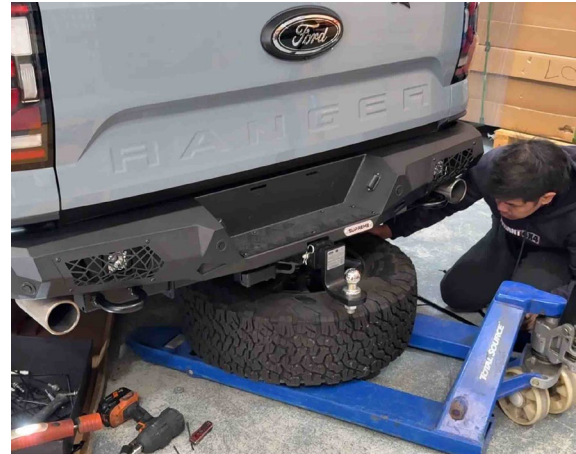
Plug in  
Cube Lights



Reconnect  
Factory Harness



38. Re-secure the Exhaust back on that was loosened back in step (21) then put the Spare Tyre back on.



39. Finally reconnect the Negative Battery Terminal that was removed in Step (1)

Reconnect  
Negative Terminal



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Test that all lights on the vehicle are working, the reverse lights and number plate lights

Test that all sensors are functioning properly.

If any of these are not functioning properly, refer back to the steps in the instructions associated with these areas and double check all steps are performed correctly.

And that concludes the whole installation of the Supreme X-Series Rear Bar for the Next GEN Raptor (2022+)

Take a step back, give yourself a pat on the back and admire your work of art.

### NOTE

Any damage caused by improper installation and/or application of this product will void our product quality warranty.