

## 21+/**FORD BRONCO RAPTOR**

### PHANTOM REAR BUMPER

R260191090103



### TOOLS REQUIRED

(Sockets) 9/16, 3/4, 1-1/16, 1-1/8, 13mm, 18mm

(Box end wrenches) 9/16, 3/4, 1-1/16, 1-1/8, 13mm, 18mm

(Allen wrenches) 5/16

Fastener remover or flathead screwdriver

Zip ties

Ratchet

Flat File

Electrical Tape

Wire Crimper Tool



### SKILL LEVEL

-Medium/Advanced

**This Install requires some wiring knowledge**

**\*\*This installation requires 2 people for best results\*\***



### TIME REQUIRED

- 2 hours for OEM Removal/Bumper Install

-1 Additional Hour to Wire Cube Lights

**\*\*Labor Rates are based on a vehicle with no pre-existing damage. Wiring labor is based on a standard wiring procedure with light switches installed in an easily accessible location. Custom light triggering or switch mounting location will result in a greater labor charge.\*\***



### INCLUDED IN KIT

- |  |  |
|--|--|
| 2- Hex Head Bolts (3/4-10 X 1 1/2")    | 2- rubber bumper (1")                      |
| 2- Nylon Lock Nuts (3/4-10")           | 2- Nylon Nut (5/16-18")                    |
| 4- Flat Washers (3/4")                 | 2- Flat Washer (5/16")                     |
| 2- Nylon Lock Nuts (1/2-13")           | 8- Flat washer (1/4")                      |
| 2- Button Head Bolts (1/2-13 X 1 1/2") | 4- Nylon Lock Nut (1/4-20")                |
| 2- Flat Washer (1/2")                  | 4- Button Head Bolt (1/4-20 x 1")          |
| 4- Hex Head Bolts (3/8-16 x 1 1/4")    | 3- One Foot Section of 20 Gauge Black Wire |
| 4- Flat Washers (3/8")                 | 6- 22-18 Gauge Butt Connectors             |

## ⚠️ WARNINGS/CAUTIONS BEFORE STARTING INSTALLATION ⚠️

#### -BEFORE YOU INSTALL THIS KIT-

Read and understand all instructions, warnings, cautions, & notes contained in this installation instruction guide. Consult your vehicle owner's manual for proper disconnection of electrical and lifting of vehicle if required for installation of this product.

This install may require some technical skills and knowledge of basic mechanical work. If you do not feel that you are capable of performing this install please take this product to a trained professional.

After reading this guide please contact us with any questions or concerns before installing product.  
Customer Service (480) 671-0820

Addictive desert designs is not responsible for any bodily injury or harm to you or your vehicle as a result of an improper install.

Proper installation of this kit required knowledge of the factory recommended procedures for removal and installation of original equipment components.

We recommend that the factory shop manual and any special tools needed to service your vehicle be on hand during the installation. Installation of this kit without proper knowledge of the factory recommended procedures may affect the performance of these components and the safety of the vehicle.

Inspect all contents of this package to make sure product is not damaged and all installation hardware has been included. If parts are missing from kit, please be prepared to provide the following information:

1. Name of purchase location
2. Bar Code on side of box
3. Date above bar code
4. Date inside box cover

**\*ALWAYS WEAR EYE PROTECTION WHEN OPERATING POWER TOOLS\***

## PHANTOM REAR BUMPER 21+/FORD BRONCO RAPTOR

## REMOVAL

### □ STEP 1

Disconnect the wire harness on both the driver and passenger sides.



## PHANTOM REAR BUMPER 21+/FORD BRONCO RAPTOR

## REMOVAL

### □ STEP 2

Remove the tow hooks using a (18mm socket). **\*\*You can keep the bolts and tow hooks for later on in the install\*\***



## PHANTOM REAR BUMPER 21+ / FORD BRONCO RAPTOR

## REMOVAL

### □ STEP 3

Using a (13mm socket) remove the mounting bolts. You can now fully remove the bumper.

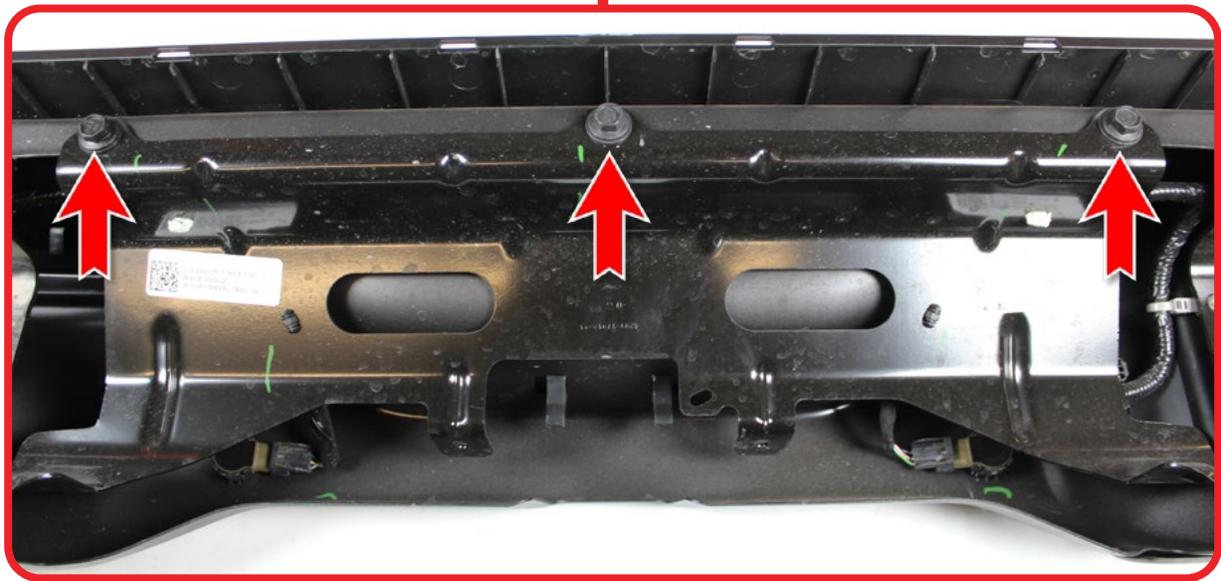


## PHANTOM REAR BUMPER 21+/FORD BRONCO RAPTOR

## REMOVAL

### □ STEP 4

Remove the middle metal cover using a (13mm socket) to expose the wire harness and sensors.

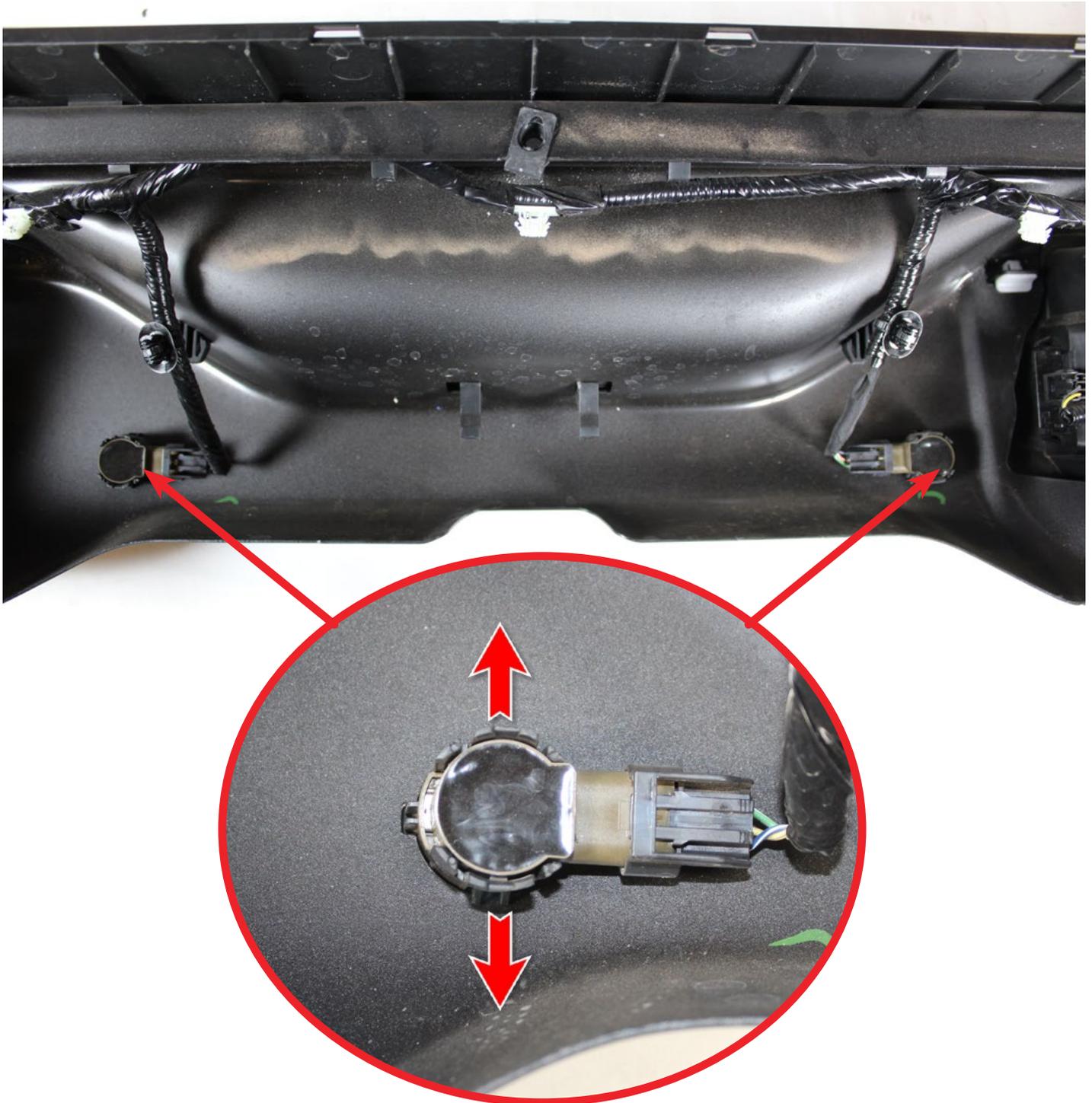


## PHANTOM REAR BUMPER 21+ / FORD BRONCO RAPTOR

## REMOVAL

### □ STEP 5

Remove the sensors from the bezels by spreading the tabs. **\*\*Spread carefully\*\***



## PHANTOM REAR BUMPER 21+ / FORD BRONCO RAPTOR

## REMOVAL

### □ STEP 6

Disconnect the license plate light by pushing in on the tab and pulling.

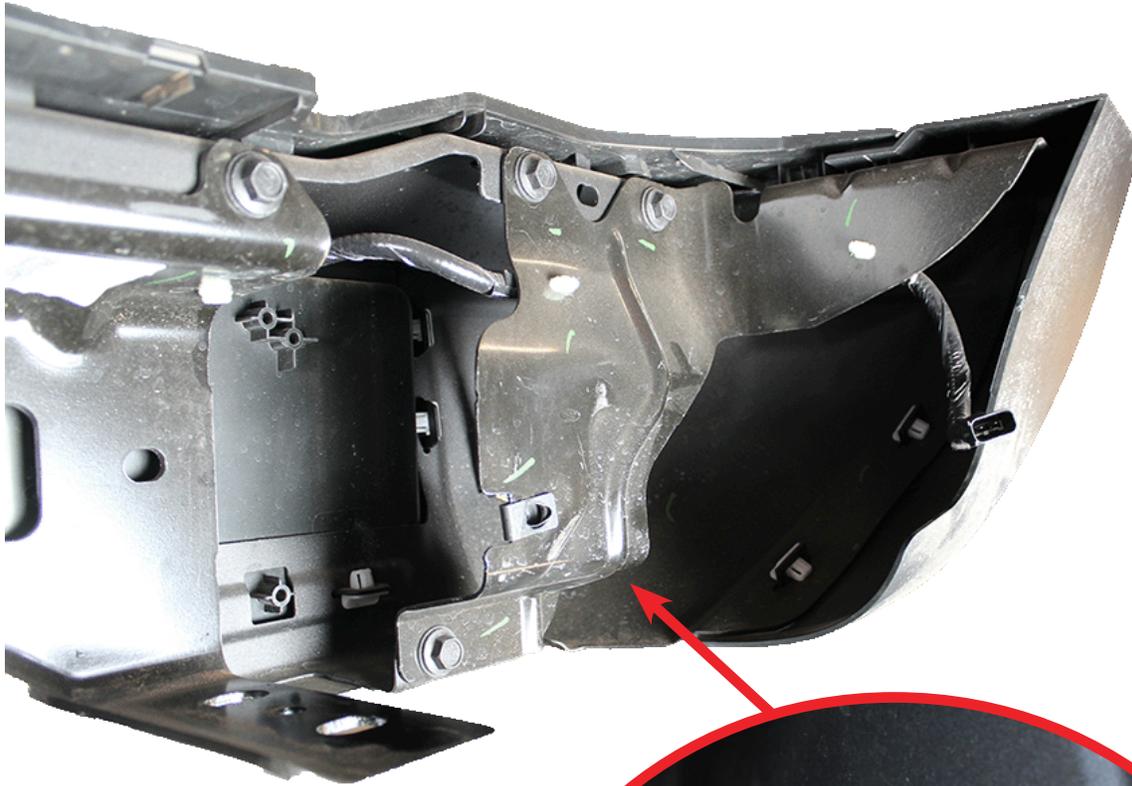


## PHANTOM REAR BUMPER 21+/FORD BRONCO RAPTOR

## REMOVAL

### □ STEP 7

Repeat step 5 to remove the sensor. **\*\*Remember the orientation for this will be important in step 10\*\***



## PHANTOM REAR BUMPER 21+/FORD BRONCO RAPTOR

## INSTALL

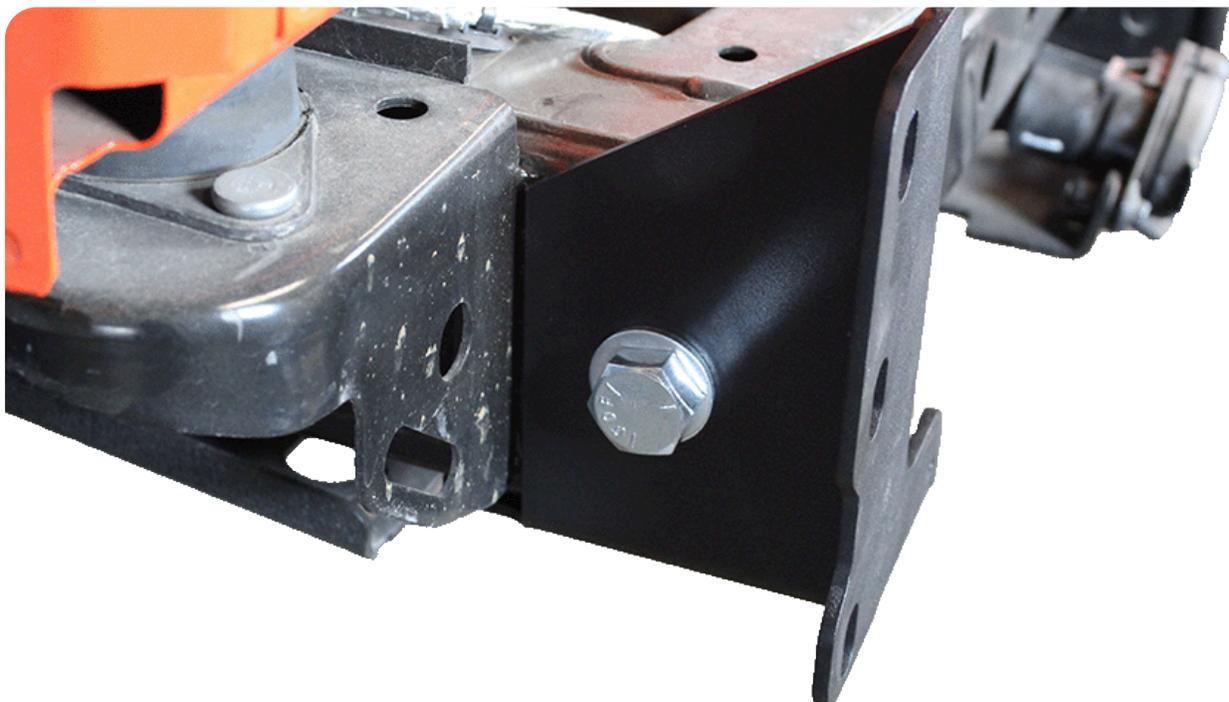
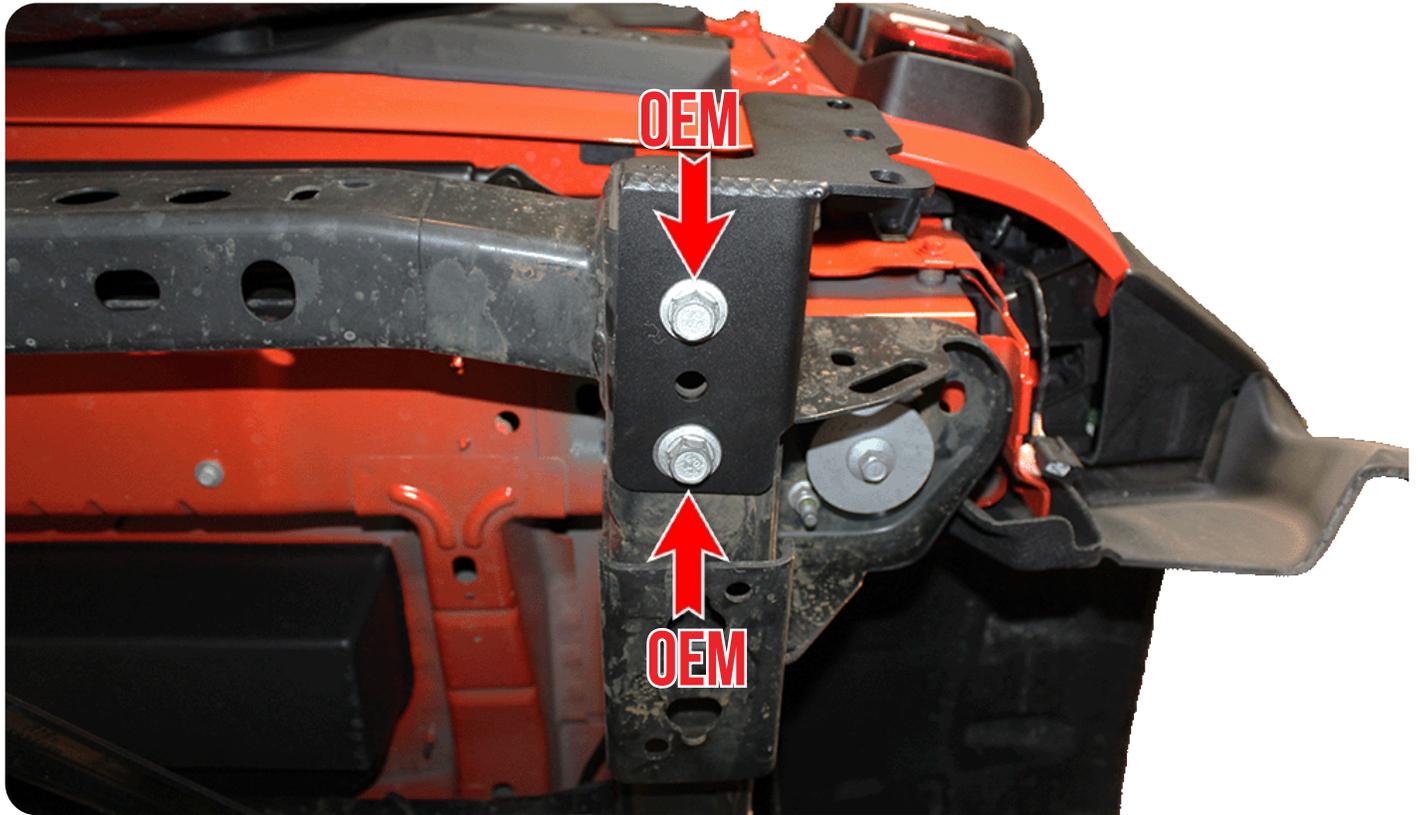
### □ STEP 8

Install the supplied mounting brackets using the stock hardware removed from **step 2**. Then install the provided 3/4" bolts, washers, and nylon lock nuts using a (1-1/8 socket) and a (1-1/16 wrench).



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## INSTALL

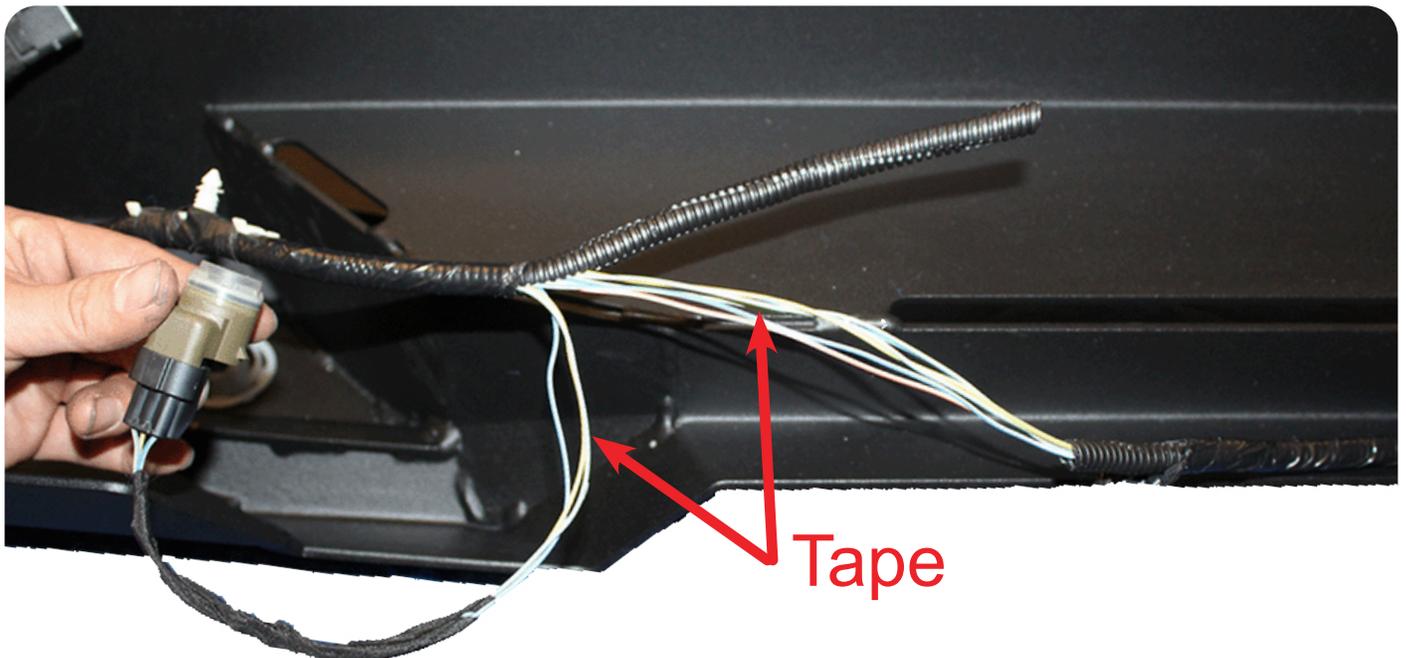
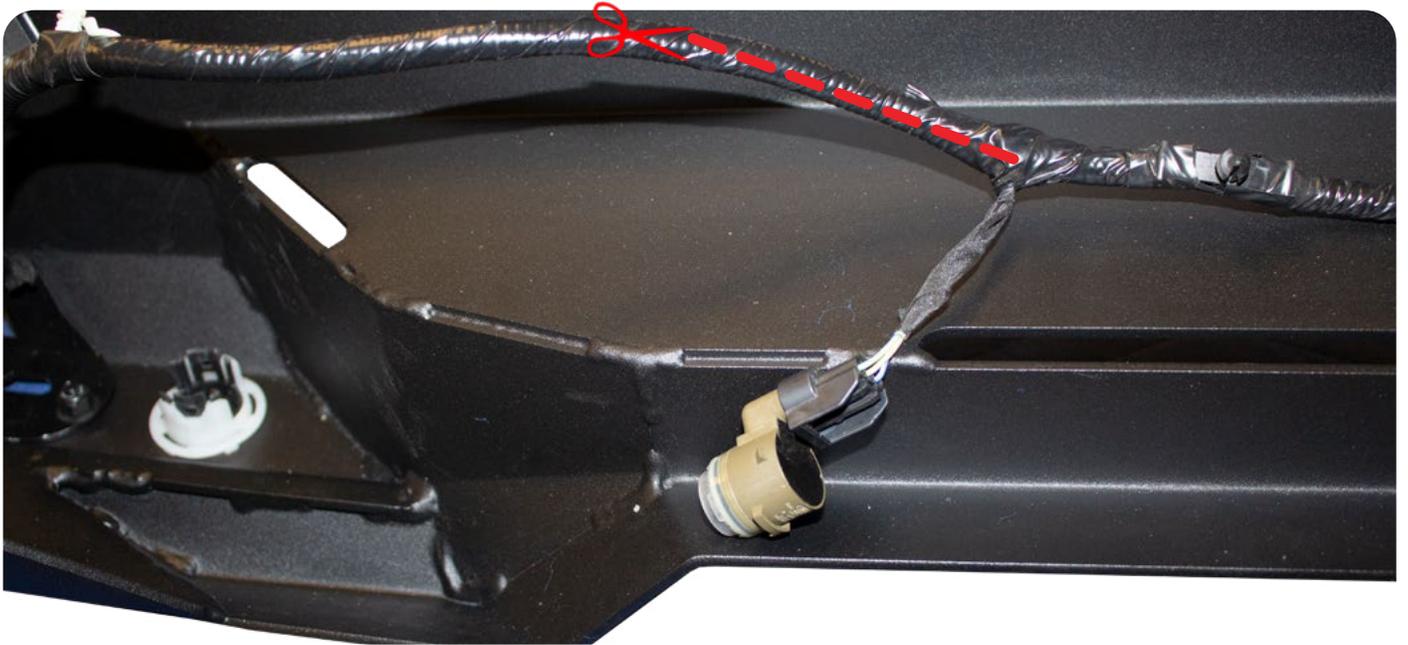


## PHANTOM REAR BUMPER 21+/FORD BRONCO RAPTOR

## INSTALL

### □ STEP 9

You will notice that the inner sensor on the (passenger side) will not reach the bezel destination, you will need to open up the wiring harness by cutting it to get enough more length to reach the sensor bezel. After you achieve the correct length, tape the exposed wires using electrical tape.



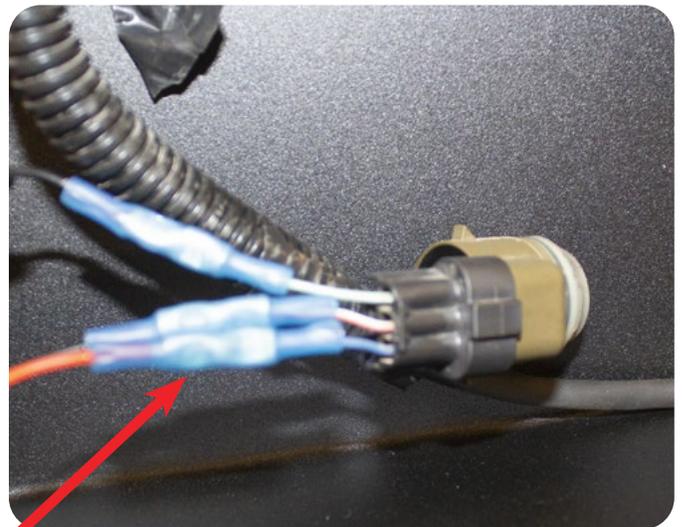
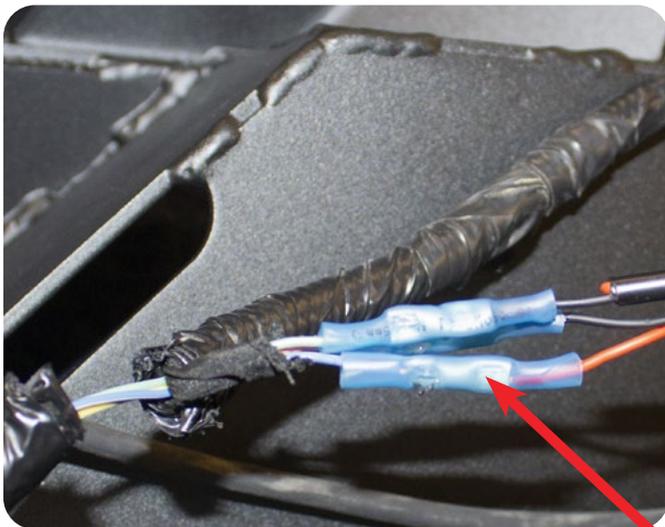
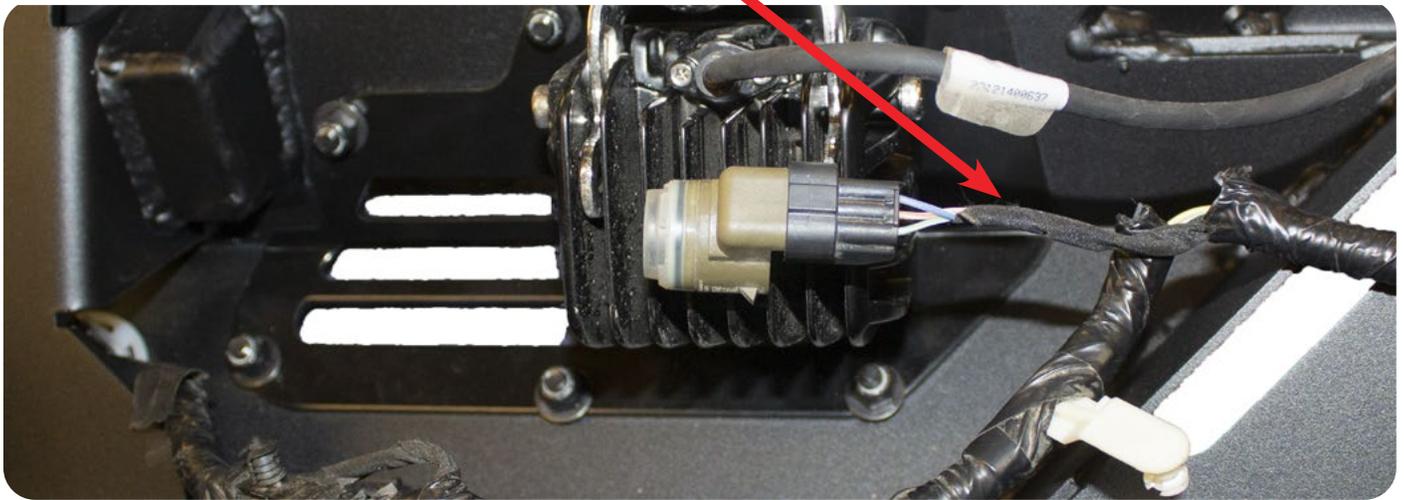
## PHANTOM REAR BUMPER 21+/FORD BRONCO RAPTOR

## INSTALL

### □ STEP 10

On the opposite side (driver side) of the wiring harness you will need to extend the inner sensor wires as they will not reach the sensor location. There will be 3 (One Foot Section of 20 Gauge Black Wire) with butt connectors and loom to extend the sensor wires. First unravel the tape from the sensor wire to expose the wires that will be spliced into. Then extend the 3 wires and tape back up.

Cut sensor wires



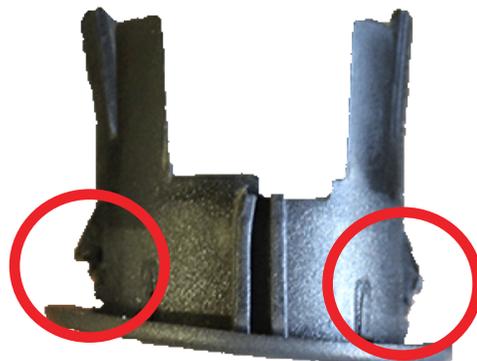
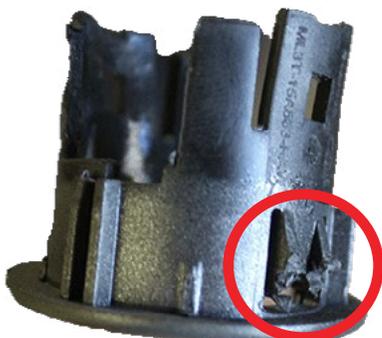
Extend wires

## PHANTOM REAR BUMPER 21+/FORD BRONCO RAPTOR

## INSTALL

### □ STEP 11

Install the sensor bezels into the ADD bumper. Ensure they are in the same orientation as OEM.  
**\*\*If the bezels do not click into place you may have to trim the tabs to match the thickness of the bumper as shown below\*\***

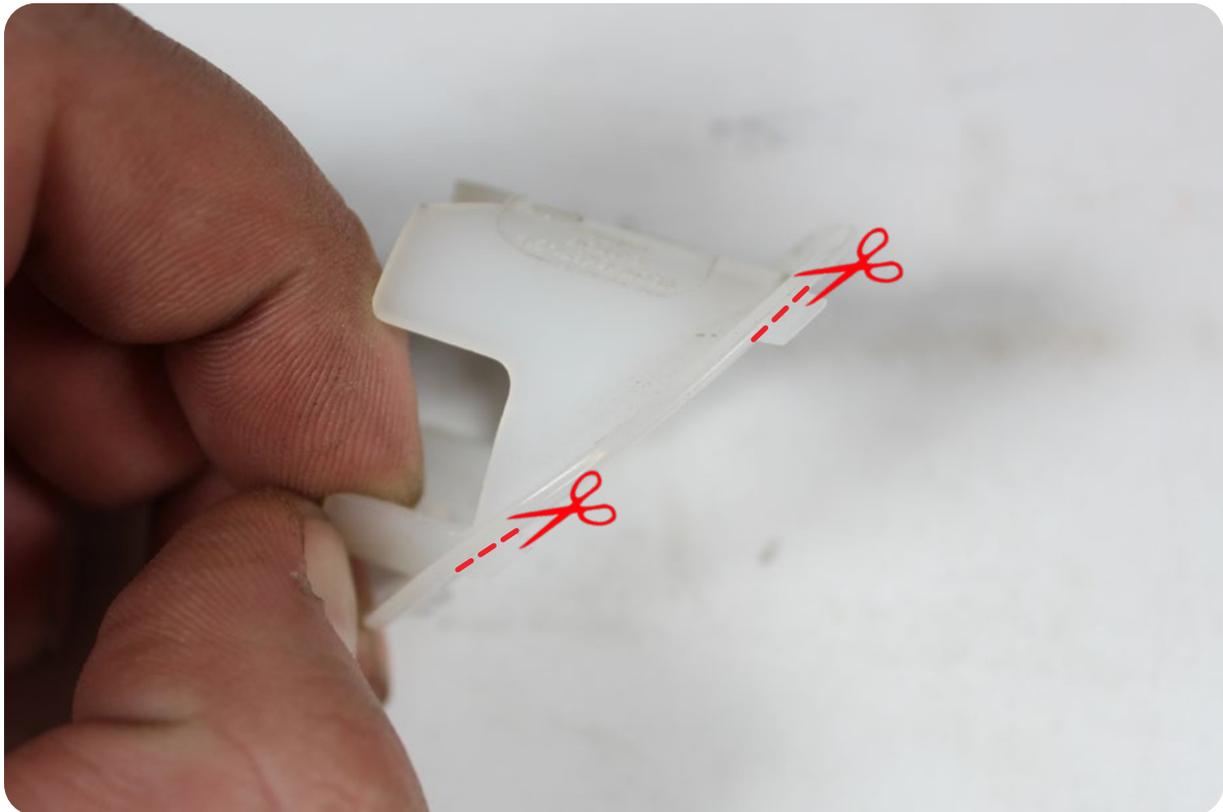


## PHANTOM REAR BUMPER 21+/FORD BRONCO RAPTOR

## INSTALL

### □ STEP 12

For the outer sensor bezels, trim the tabs on the backer by using a (flat file) and install the sensor bezels with driver to passenger and passenger to driver. **(Ensure that the sensor bezels are installed with the sensor pointing down as shown below)**



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## INSTALL

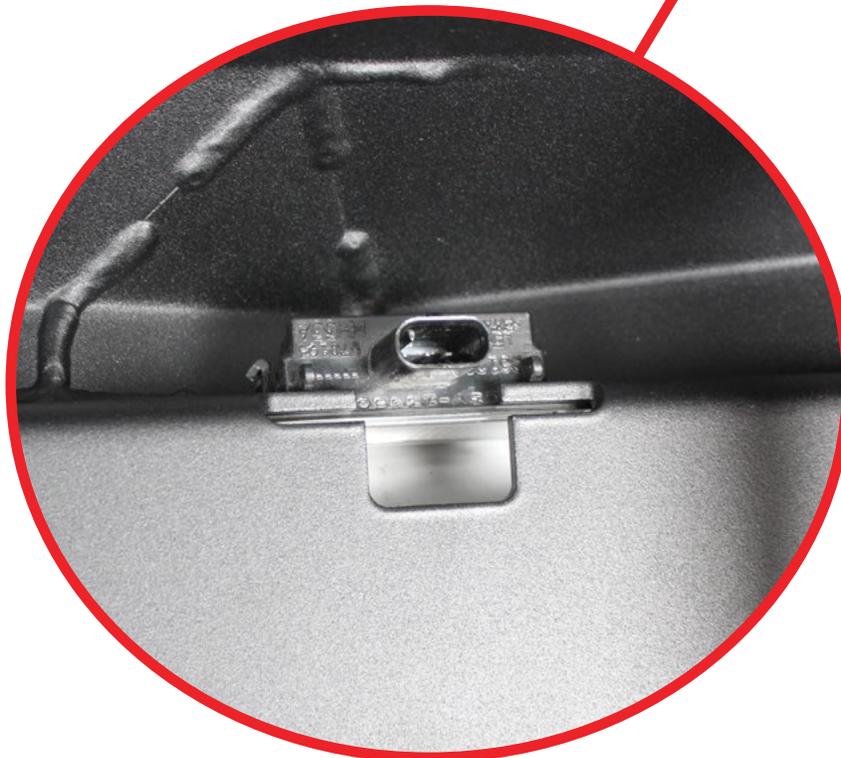
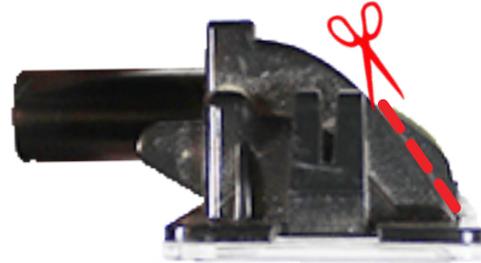


## PHANTOM REAR BUMPER 21+ / FORD BRONCO RAPTOR

## INSTALL

### □ STEP 13

Trim the tabs by using a (flat file) as shown below on the license plate light and install on your ADD bumper.

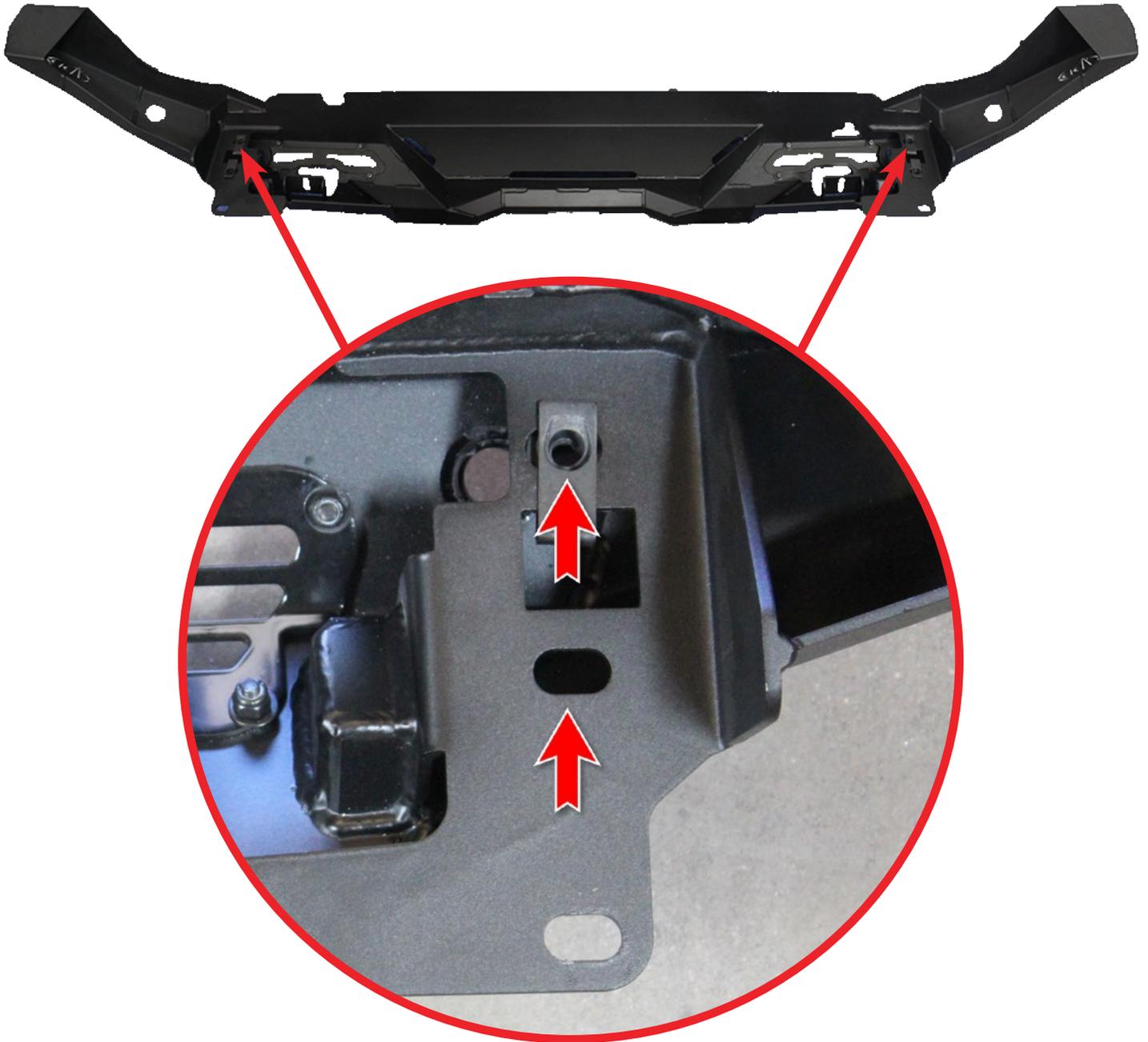


## PHANTOM REAR BUMPER 21+ / FORD BRONCO RAPTOR

## INSTALL

### □ STEP 14

Install the provided nut clips in the slots on both mounting plates as shown below.

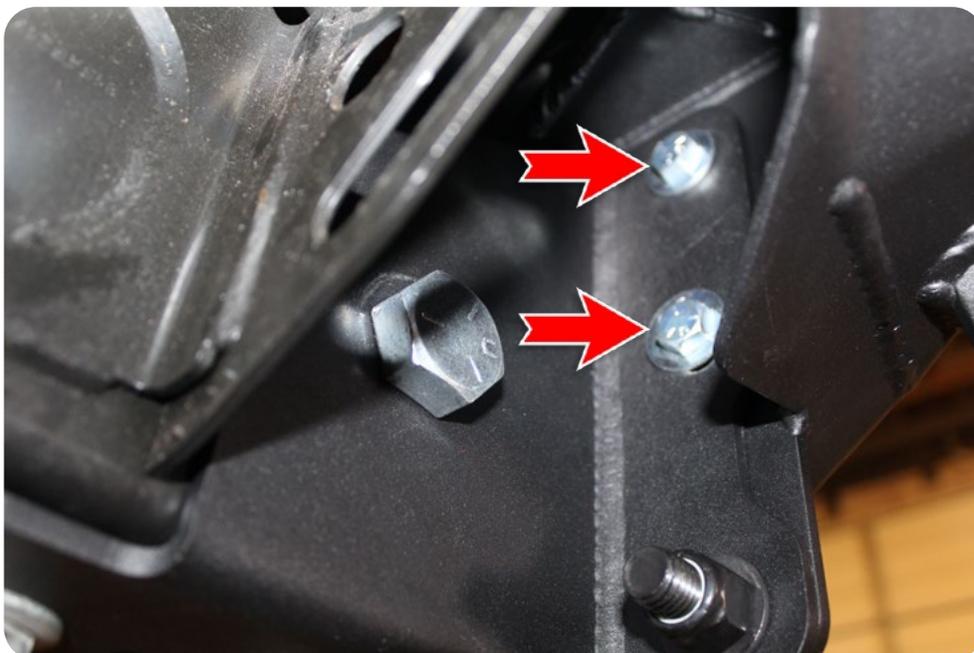
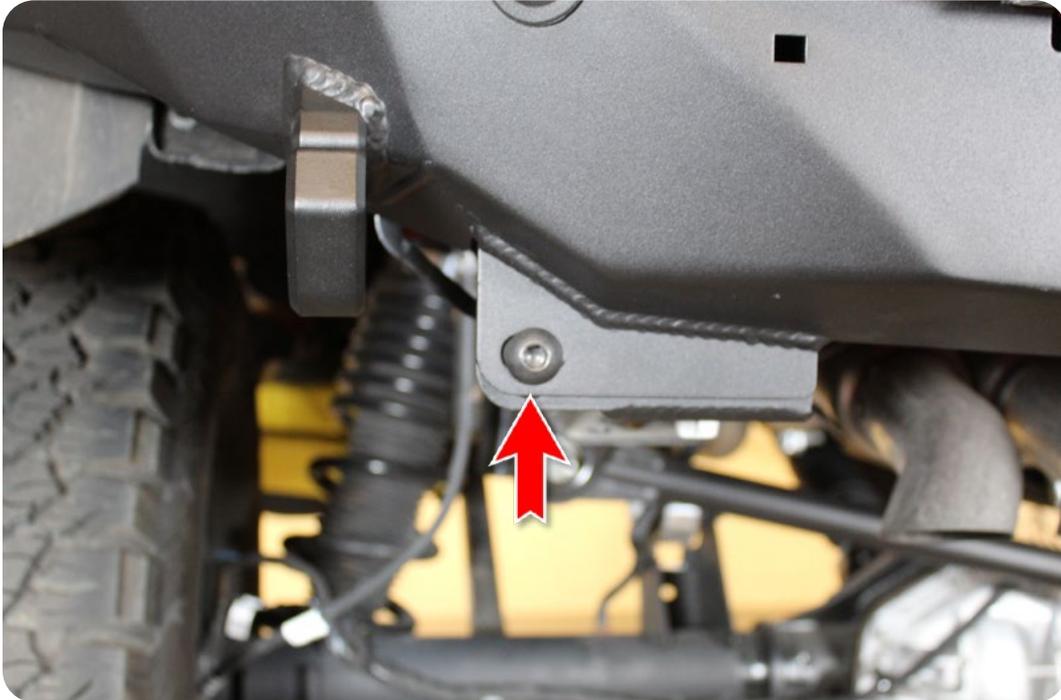


## PHANTOM REAR BUMPER 21+/FORD BRONCO RAPTOR

## INSTALL

### □ STEP 15

You can now install the bumper with the 2x 1/2" button head bolts, washers, and nylon lock nuts using a (5/16 allen wrench) and (3/4 wrench). and also install the 4x provided 3/8" hex head bolts, and washers using a (9/16 socket/wrench).

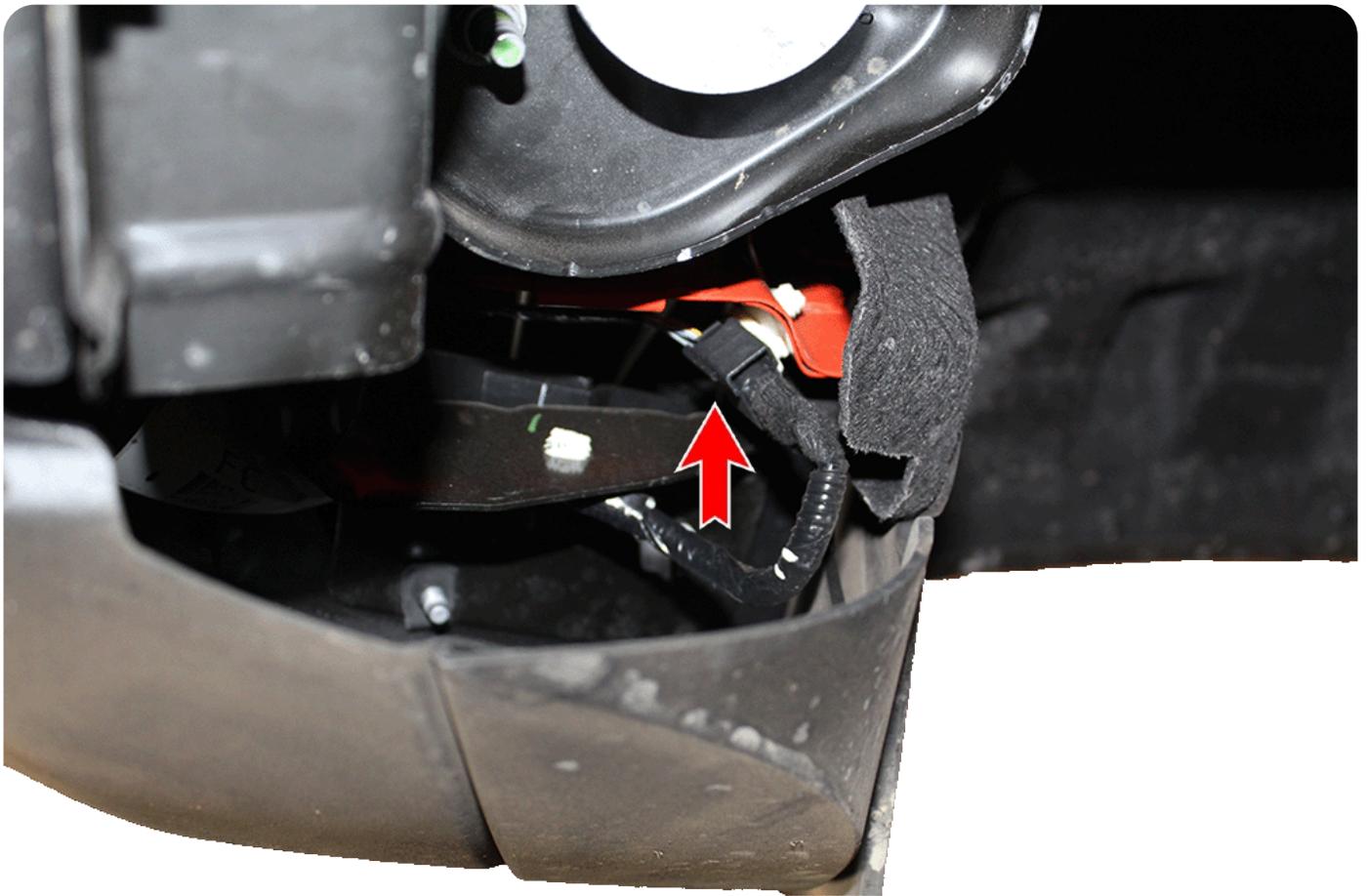


## PHANTOM REAR BUMPER 21+ / FORD BRONCO RAPTOR

## INSTALL

### STEP 16

Plug in the wire harness on both the driver and passenger sides.

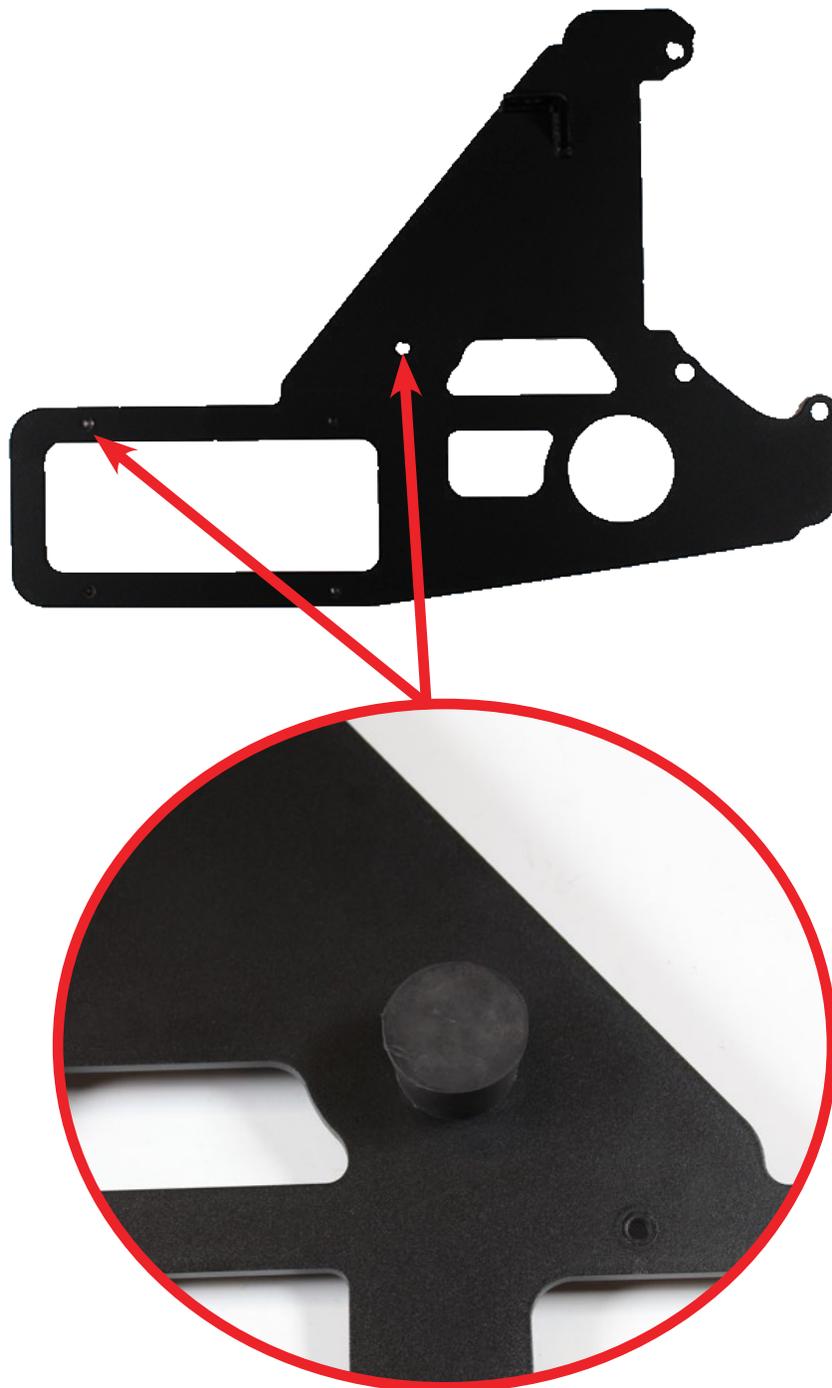


## PHANTOM REAR BUMPER 21+ / FORD BRONCO RAPTOR

## INSTALL

### □ STEP 17

Install the 1" rubber bumper in the position shown below facing behind the bracket with the provided 5/16-18" nylon lock nut and 5/16" flat washer using a (1/2" socket/wrench).



## PHANTOM REAR BUMPER 21+/FORD BRONCO RAPTOR

## INSTALL

### □ STEP 18

Remove the 3x OEM bolts using a (1/2 socket). Then using the same hardware, install the license plate bracket.



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## INSTALL



## PHANTOM REAR BUMPER 21+ / FORD BRONCO RAPTOR

## FINAL

- Stand back and enjoy your new ADD Phantom™ Rear Bumper.  
Check and re-tighten, if needed, all mounting bolts after 100 miles and periodically thereafter.



THIS PRODUCT IS PROTECTED BY ONE OR MORE U.S. PATENTS  
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PLEASE CALL 480-671-0820 OR  
EMAIL [INFO@ADDICTIVEDESERTDESIGNS.COM](mailto:INFO@ADDICTIVEDESERTDESIGNS.COM)