

## 23+ / FORD SUPER DUTY

### BOMBER FRONT BUMPER

F810014110103



#### TOOLS REQUIRED

- (Socket) 15mm, 18mm, 5/32, 5/16, 3/4
- (Wrench) 9/16, 3/4
- (Allen) 7/32, 5/16
- Fastener Removal Tool/Flathead
- Flat File



#### TIME REQUIRED

- 4 hours for OEM Removal/Bumper Install
- 1 Additional Hour to Wire 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.\*\***



#### SKILL LEVEL

-Easy/Intermediate

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



#### INCLUDED IN KIT

- |  |                                     |
|--|-------------------------------------|
| 4- 3/8-16 x 1" hex head bolt grade 8     | 4- 1/2-13 Metal Lock Nut            |
| 4- 3/8 Fender Washer                     | 8- 1/2 Flat Washer                  |
| 4- 3/8-16 U-Nut                          | 4- 1/2-13 x 1 1/2" button head bolt |
| 2- 3/8-16 x 1" Button Head Bolt          | 4- 1/2 Flat Washer Black            |
| 2- 3/8-16 Nylon Lock Nut                 | 2- 1/2-13 Nylon Lock Nut Black      |
| 4- 3/8 Flat Washer                       | 2- 1/2-13 Nut Tab                   |
| 4- 1/2-13 x 1 1/2" Hex Head Bolt Grade 8 |                                     |

## ⚠️ 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.

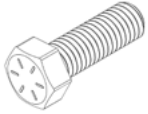
Inspect all contents of this package to make sure product is not damaged and all installation hardware has been included. If parts are missing from kit, please be prepared to provide the following information:

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\***

## HARDWARE/PARTS

**A.**



3/8-16 X 1" HEX HEAD BOLT GRADE 8

QTY: 4

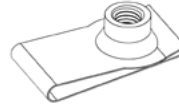
**A1.**



3/8" FENDER WASHER

QTY: 4

**A2.**



3/8-16 U-NUT

QTY: 4

**B.**



3/8-16 X 1" BUTTON HEAD BOLT BLACK

QTY: 2

**B1.**



3/8-16 NYLON LOCK NUT BLACK

QTY: 2

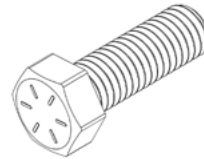
**B2.**



3/8 FLAT WASHER BLACK

QTY: 4

**C.**



1/2-13 X 1 1/2" HEX HEAD GRADE 8

QTY: 4

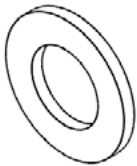
**C1.**



1/2-13 METAL LOCK NUT

QTY: 4

**C2.**



1/2" FLAT WASHER

QTY: 8

**D.**



1/2-13 X 1 1/2" BUTTON HEAD BOLT BLACK

QTY: 4

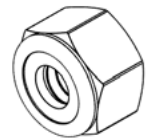
**D1.**



1/2 FLAT WASHER BLACK

QTY: 4

**D2.**



1/2-13 NYLON LOCK NUT BLACK

QTY: 2

**E.**



1/2-13 NUT TAB

QTY: 2

## BOMBER FRONT BUMPER 23+ / FORD SUPER DUTY

## REMOVAL

### □ STEP 1

Unplug the wiring harness located behind the bumper on the driver side frame rail.



## BOMBER FRONT BUMPER 23+/**FORD SUPER DUTY**

## REMOVAL

### STEP 2

Using a (fastener removal tool/flathead screwdriver) remove the clips holding the plastic molding.



## BOMBER FRONT BUMPER 23+/FORD SUPER DUTY

## REMOVAL

### □ STEP 3

Pull the plastic off to expose the mounting bolt.



## BOMBER FRONT BUMPER 23+ / FORD SUPER DUTY

## REMOVAL

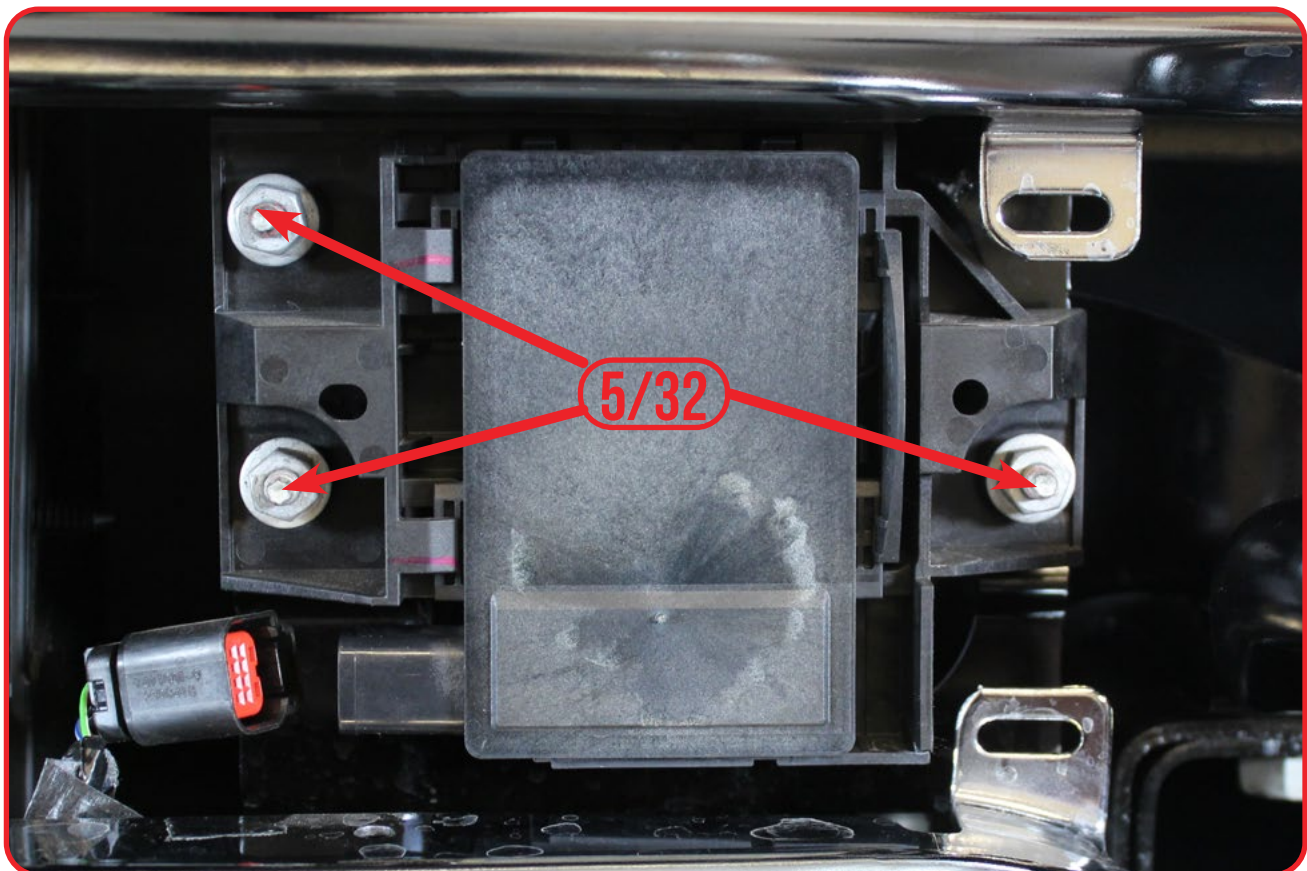
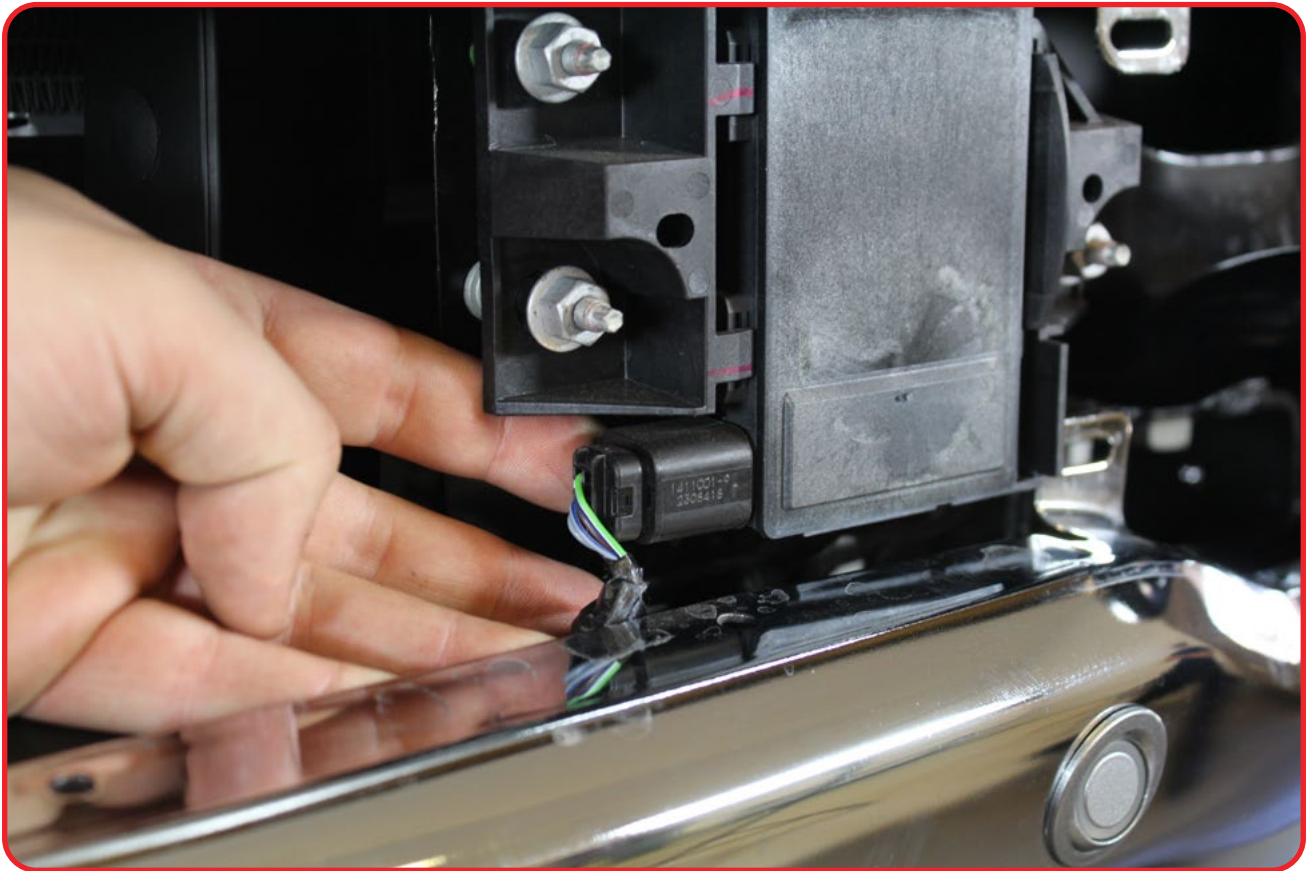
### □ STEP 4

Locate the ACC module and remove the plug-in by pushing the tab down on the backside, next remove the bolts holding the ACC using a (5/32 socket). **\*\*set the ACC aside and reference the ACC guide when the bumper is removed\*\***



BOMBER FRONT BUMPER  
23+ / FORD SUPER DUTY

## REMOVAL



## BOMBER FRONT BUMPER 23+ / FORD SUPER DUTY

## REMOVAL

### □ STEP 5

Remove the two bolts per side that are located behind the bumper along the frame rail using a (15mm Socket). (Save hardware and nut clips for they will be used later on in the install)





## BOMBER FRONT BUMPER 23+ / FORD SUPER DUTY

## REMOVAL

### □ STEP 6

Remove the four mounting bolts on each side using a (18mm Socket) and remove the plastic push pin located between the bumper and grill using a (fastener removal tool). You can now remove the stock bumper.



## BOMBER FRONT BUMPER 23+ / FORD SUPER DUTY

## REMOVAL

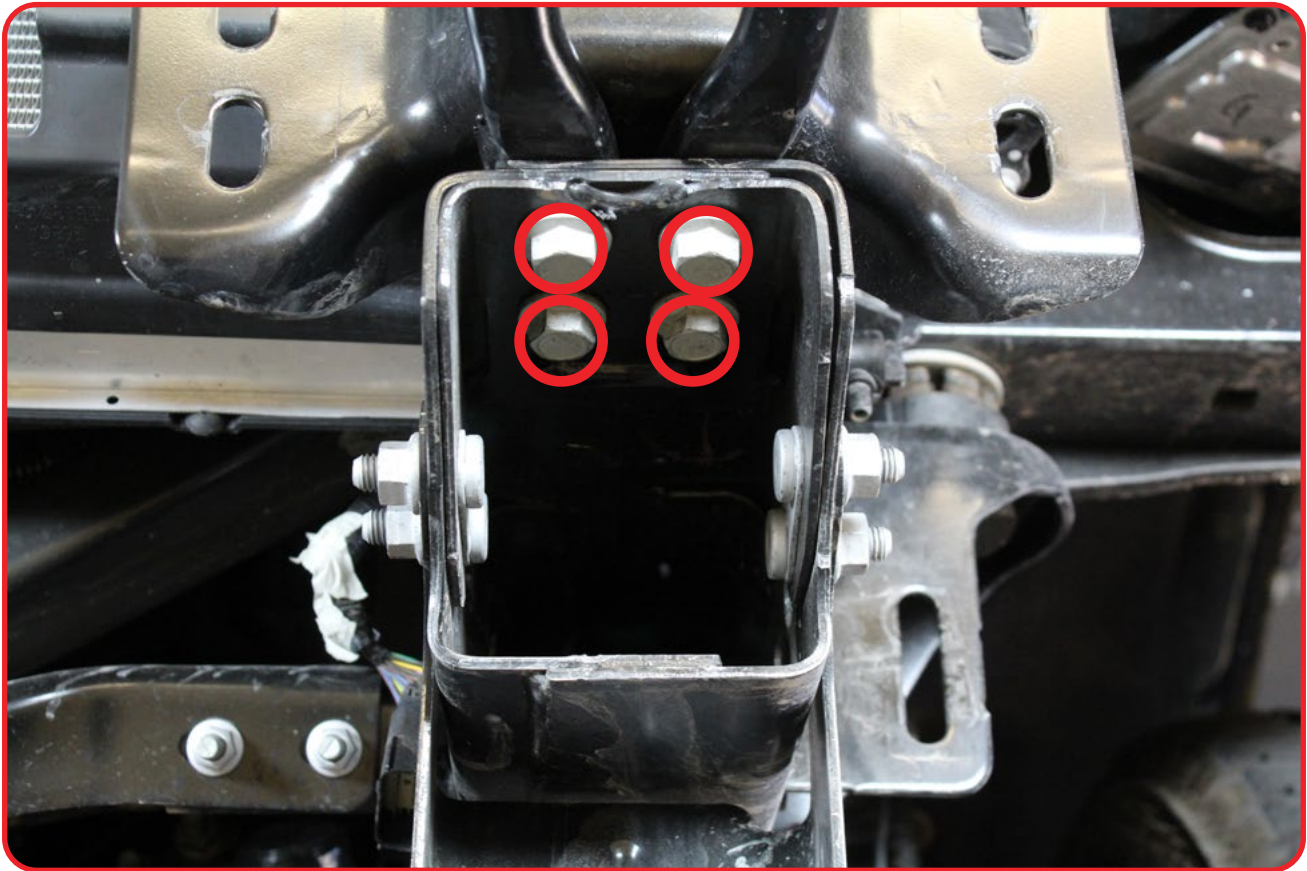
### □ STEP 7

Remove the 4x top tow hook mounting bolts and the 4x side tow hook mounting bolts using a (18mm Socket).



## BOMBER FRONT BUMPER 23+/FORD SUPER DUTY

## REMOVAL

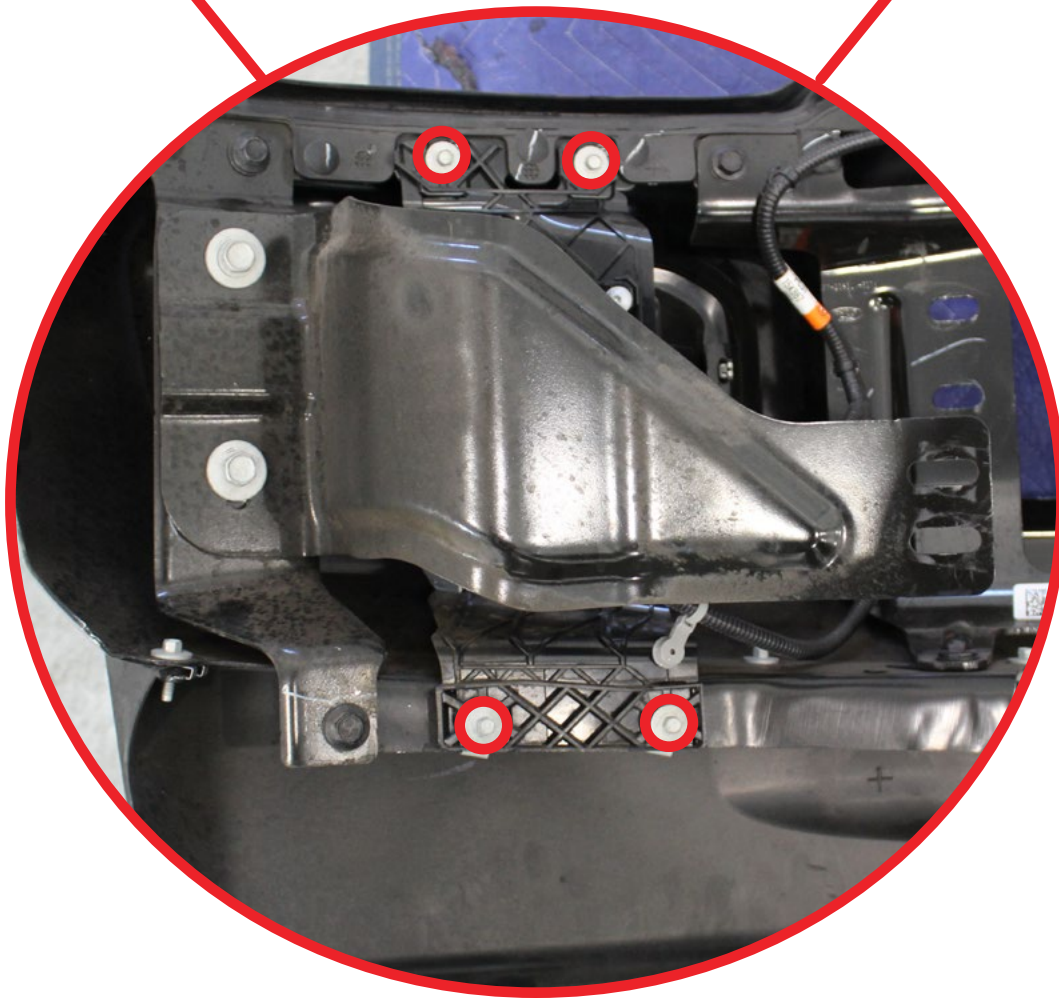
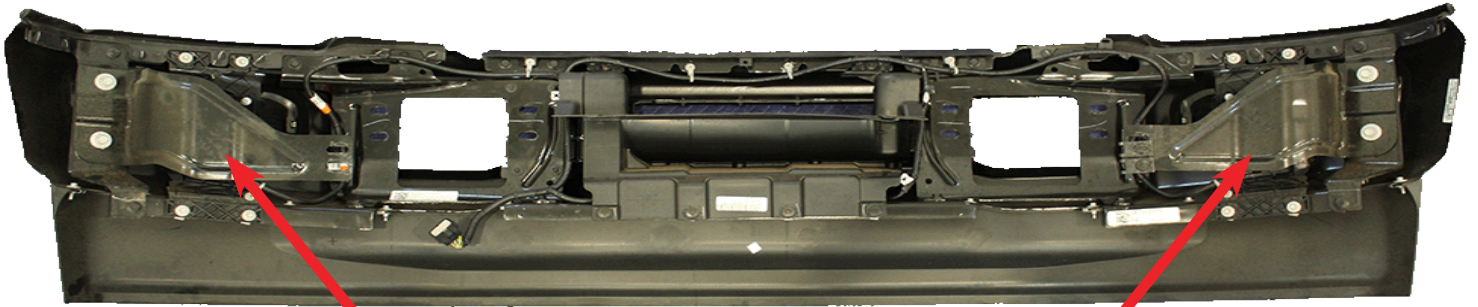


## BOMBER FRONT BUMPER 23+/FORD SUPER DUTY

## REMOVAL

### □ STEP 8

Remove the 4x bolts (each side) using a (5/16 socket).

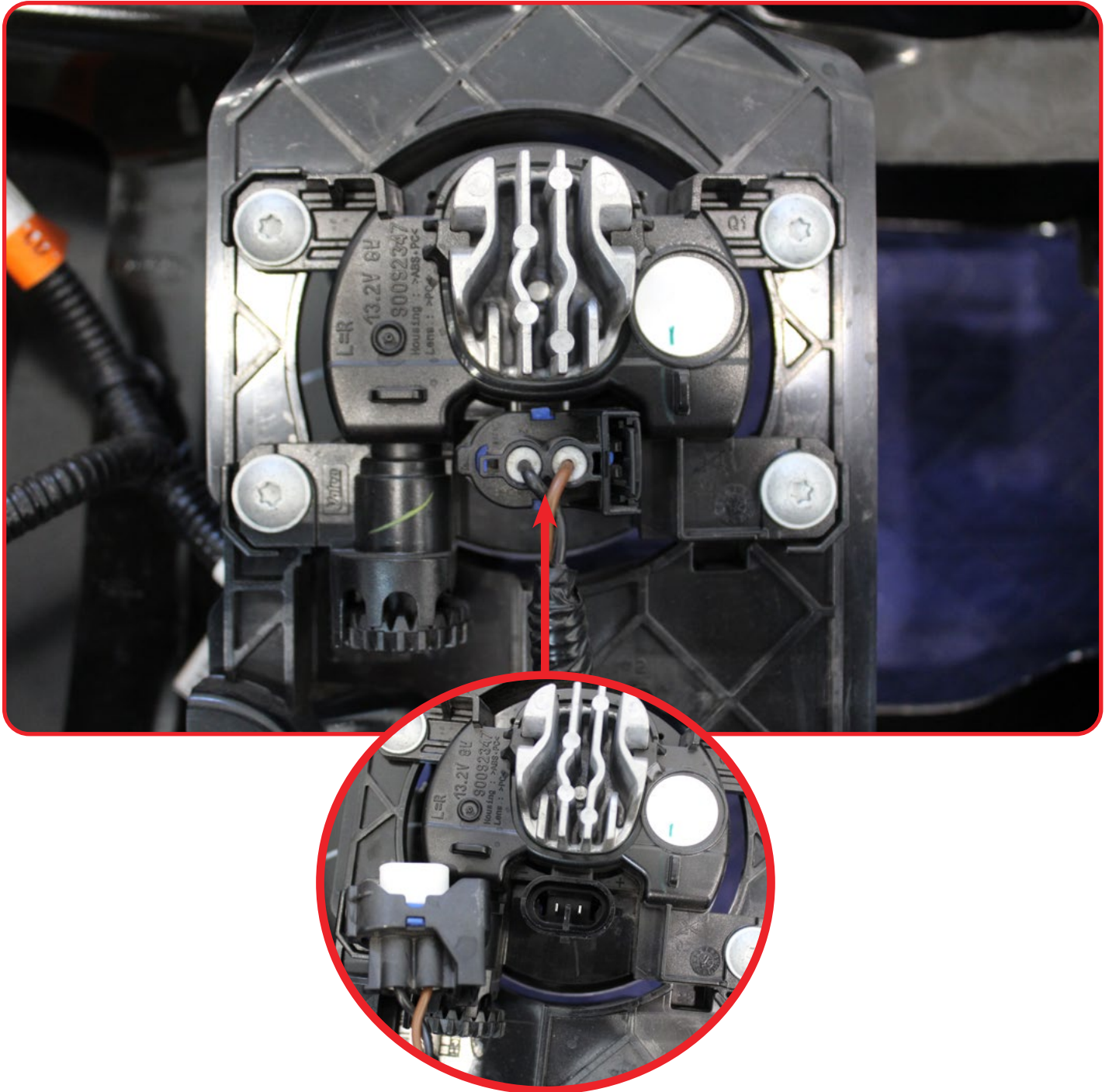


## BOMBER FRONT BUMPER 23+ / FORD SUPER DUTY

## REMOVAL

### □ STEP 9

Unplug the fog light as shown below.

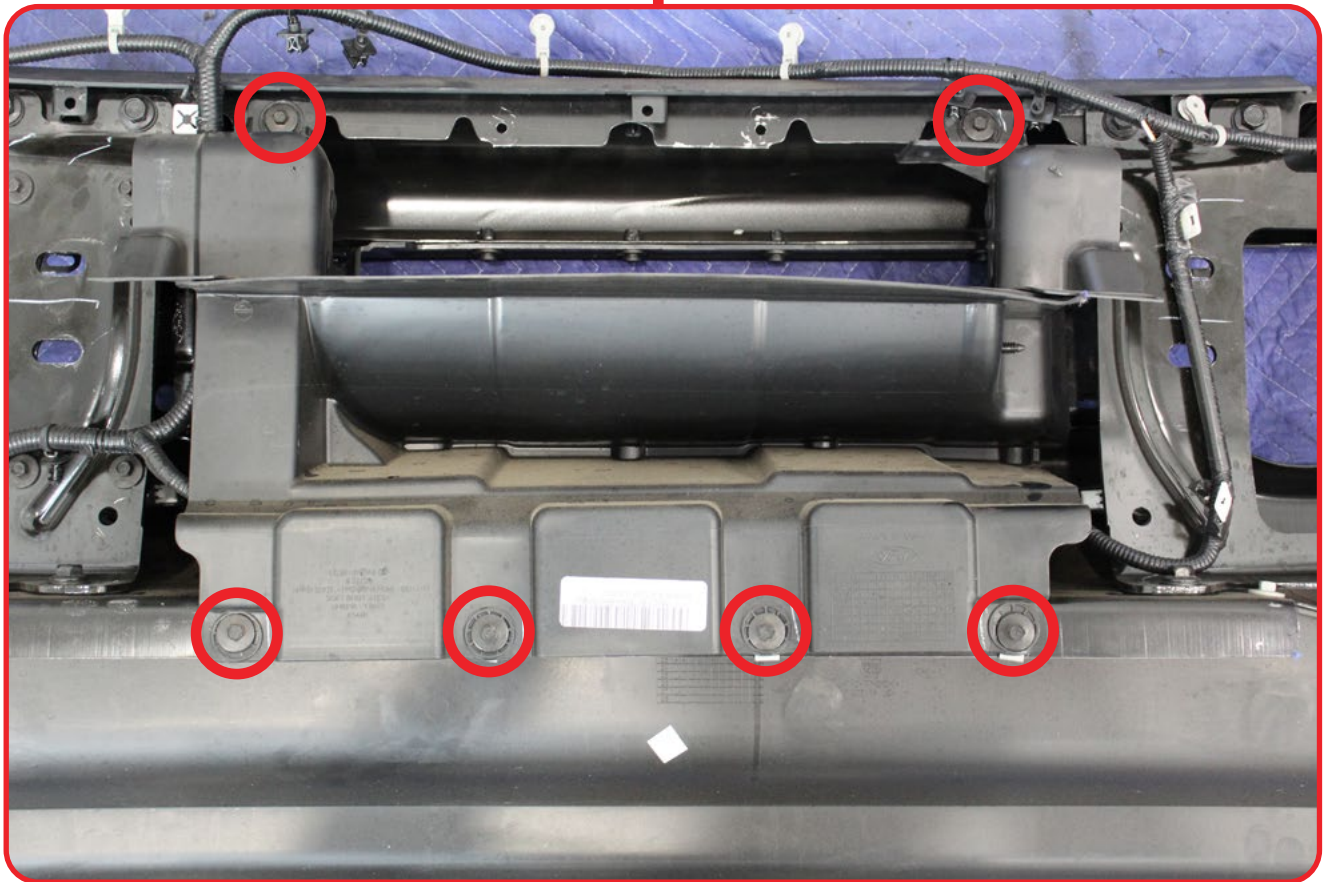
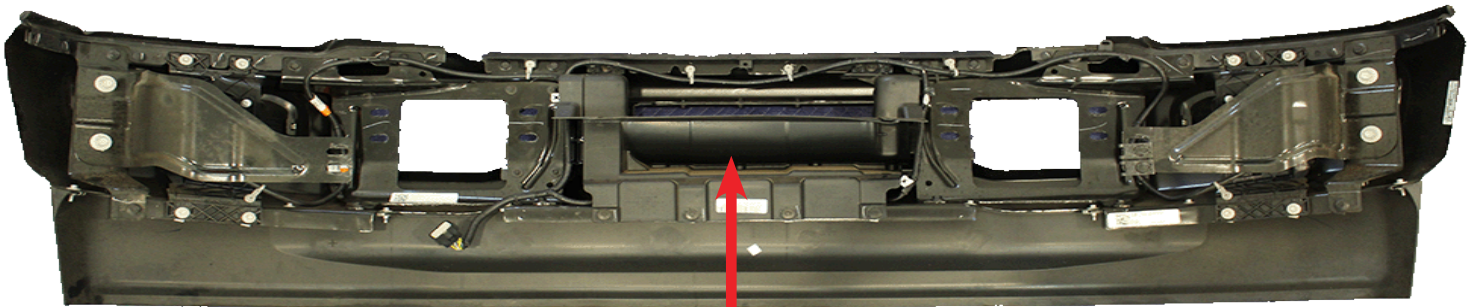


## BOMBER FRONT BUMPER 23+ / FORD SUPER DUTY

## REMOVAL

### □ STEP 10

Remove the 6x bolts as shown below using a (5/16 socket).

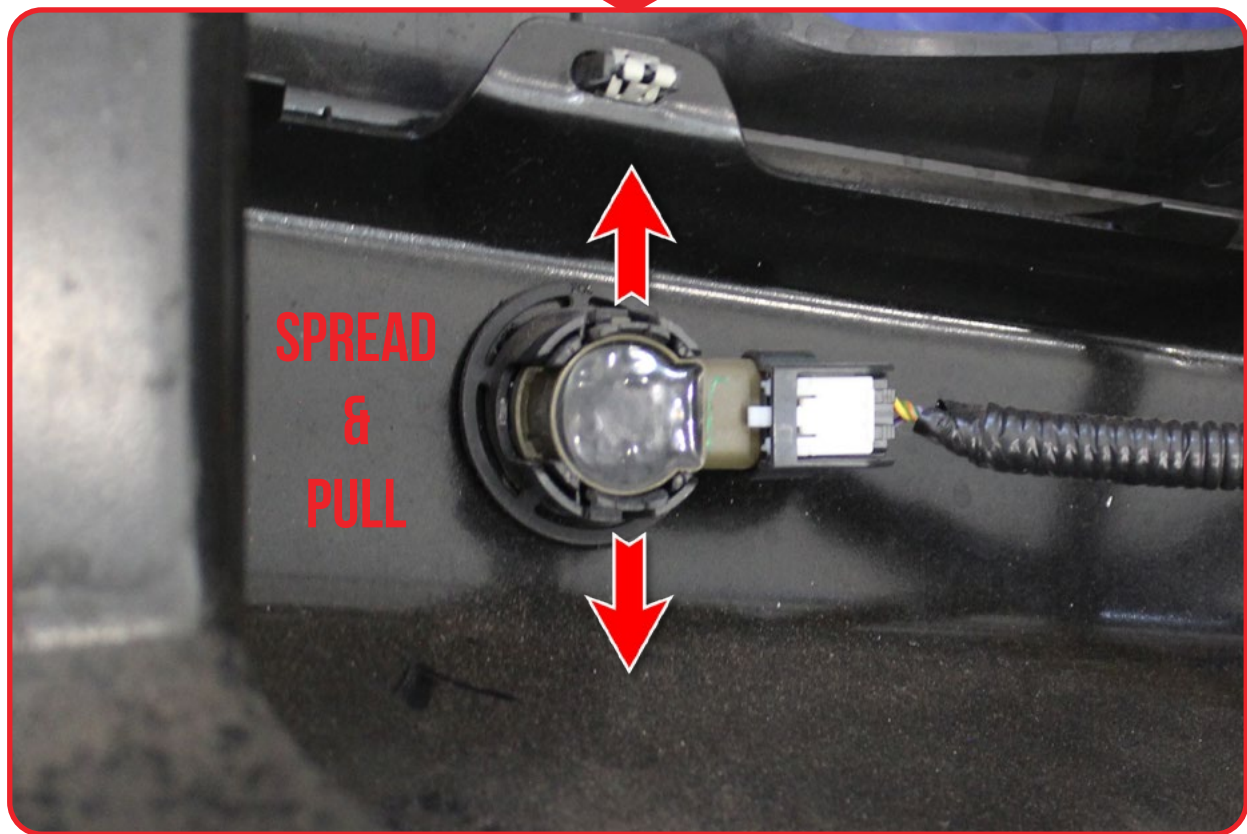
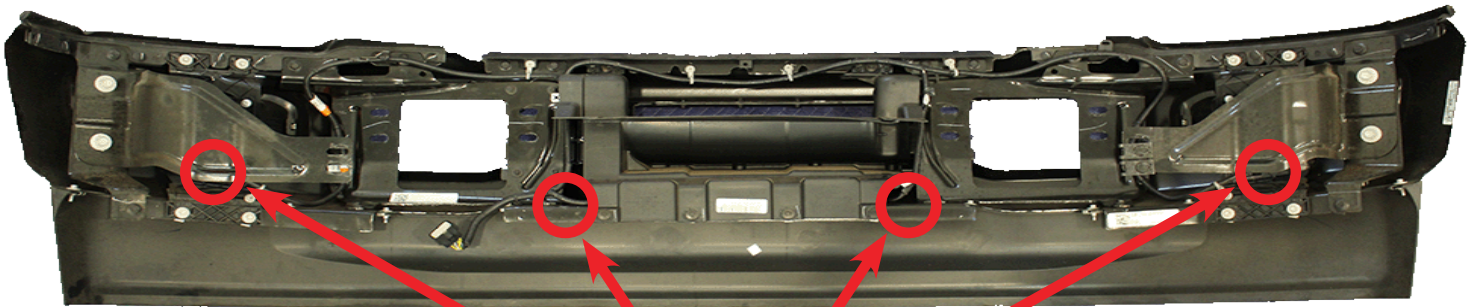


## BOMBER FRONT BUMPER 23+/FORD SUPER DUTY

## REMOVAL

### □ STEP 11

Remove the sensors from the bezels by spreading the tabs and pulling.

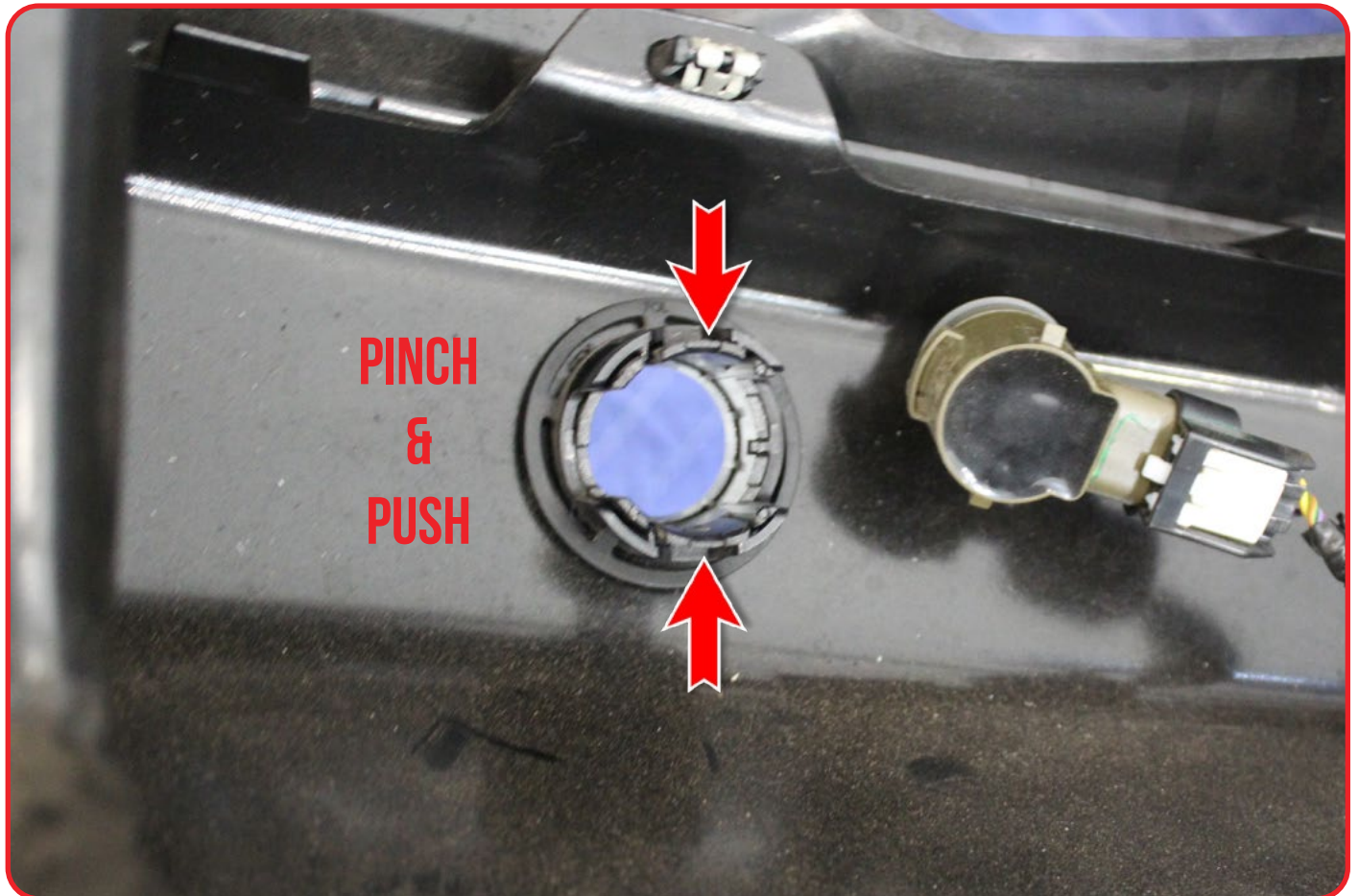


## BOMBER FRONT BUMPER 23+/FORD SUPER DUTY

## REMOVAL

### □ STEP 12

Remove the sensor bezels by pinching the bezel tabs in and pushing out towards the front of the bumper. **\*\*REMEMBER THE ORIENTATION FOR IT WILL BE IMPORTANT LATER IN THE INSTALL\*\***





## BOMBER FRONT BUMPER 23+/FORD SUPER DUTY

## REMOVAL

### □ STEP 13

Trim the tabs on the backer for the sensor bezel by using a (flat file).



## BOMBER FRONT BUMPER 23+ / FORD SUPER DUTY

## REMOVAL

### STEP 14

Reference the ACC install guide before moving on with the install.

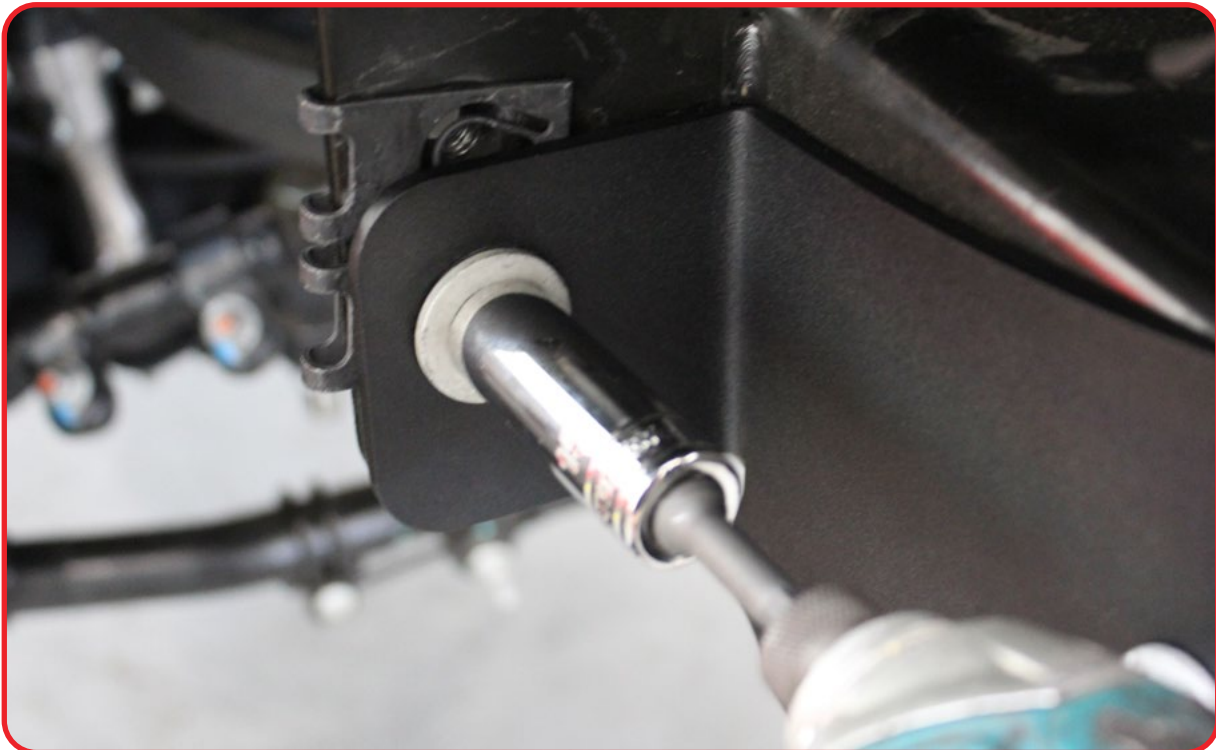
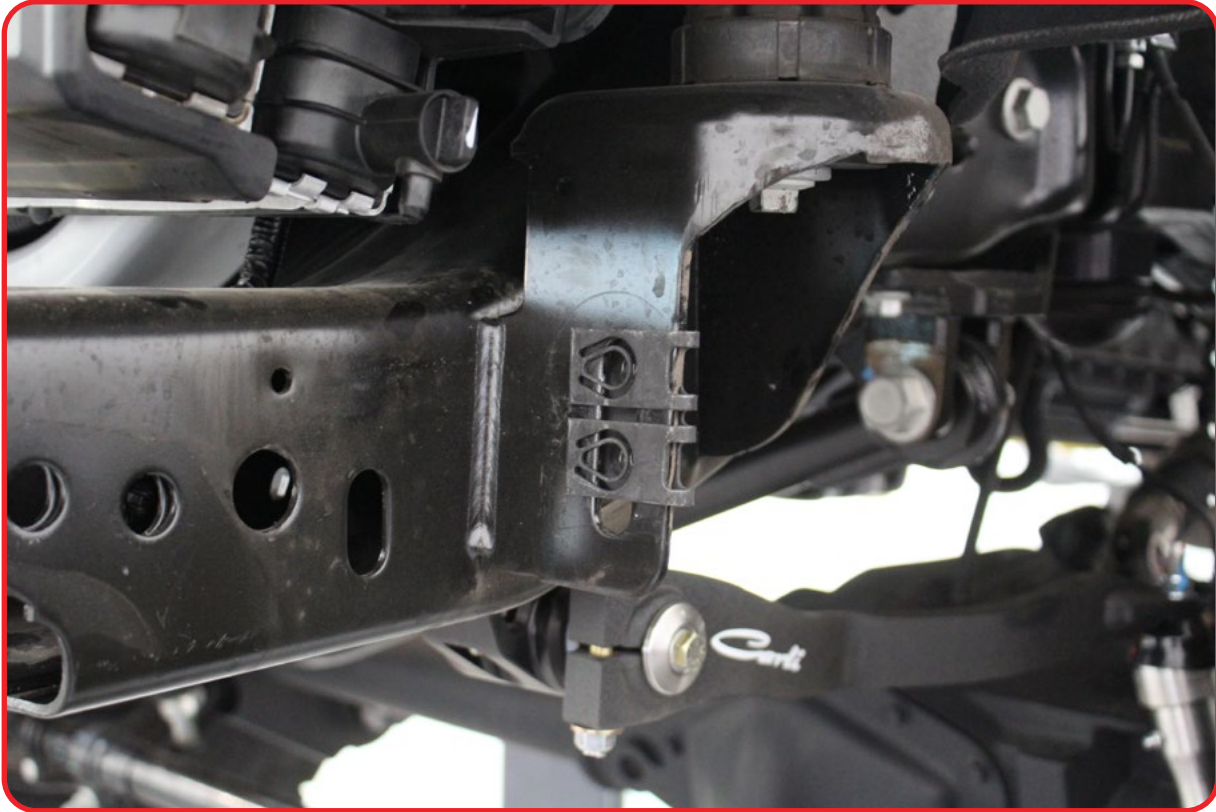


## BOMBER FRONT BUMPER 23+/FORD SUPER DUTY

## INSTALL

### □ STEP 15

Install the mounting bracket to the frame horns by installing 1x (each side) OEM bolts removed from step 5 using a (15mm Socket).

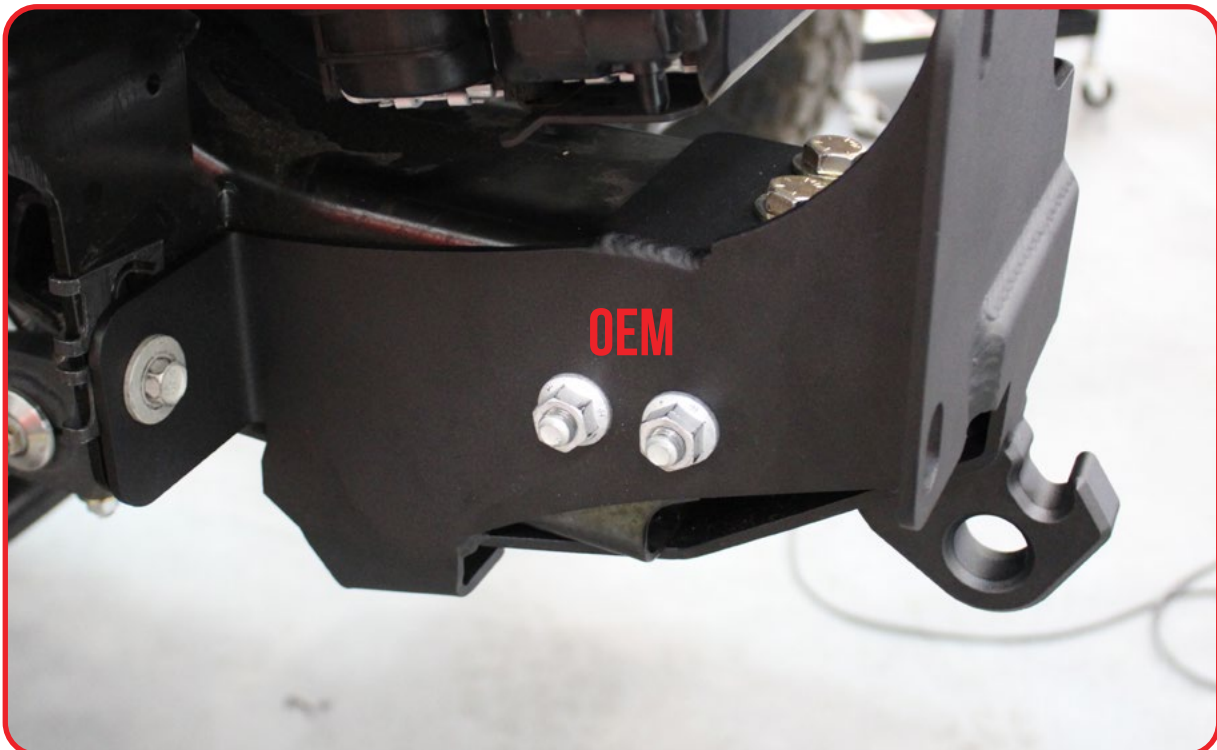


## BOMBER FRONT BUMPER 23+/FORD SUPER DUTY

## INSTALL

### □ STEP 16

Using a (3/4 socket) and a (3/4 Wrench) install the (**C, C1, C2**) hardware on top. Next install the OEM hardware removed from **step 7** using a (18mm socket).

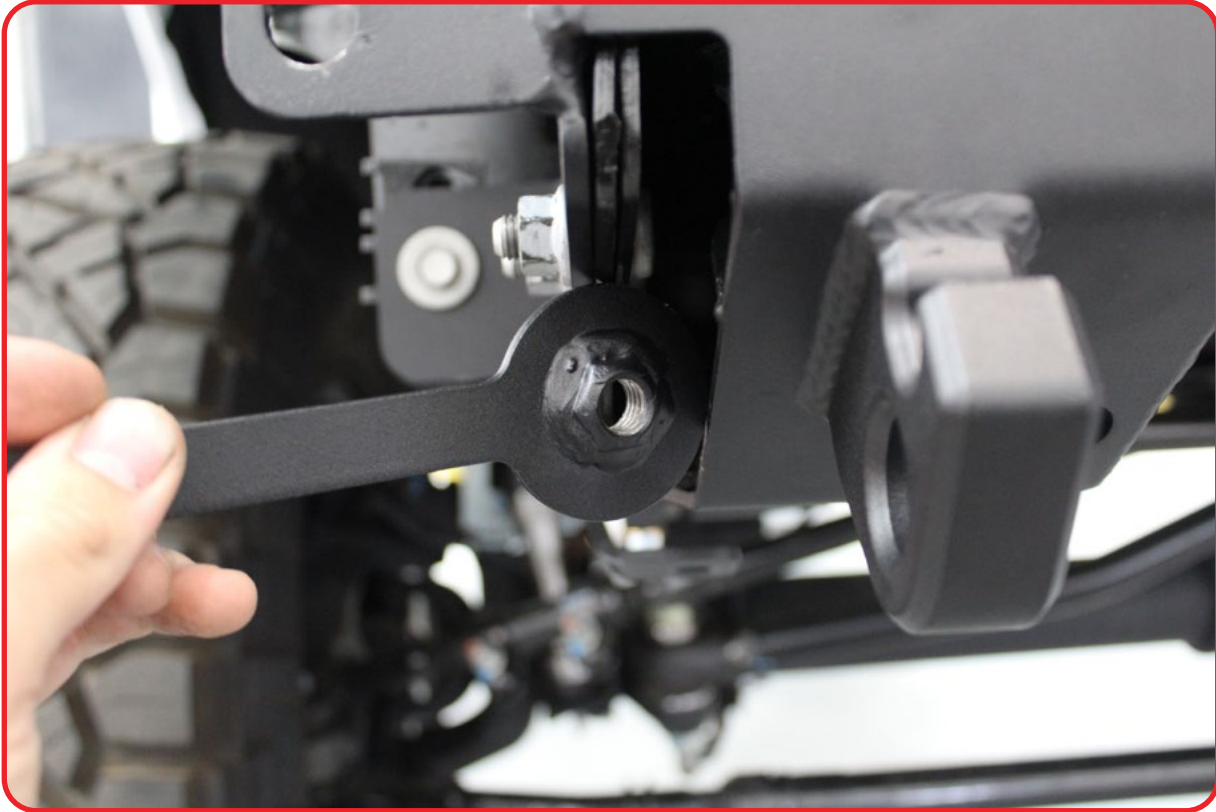


## BOMBER FRONT BUMPER 23+/FORD SUPER DUTY

## INSTALL

### □ STEP 17

Insert (E) through the opening as shown below and install the (D, D1) hardware by holding the (E) and tightening (D) using a (7/32 allen).



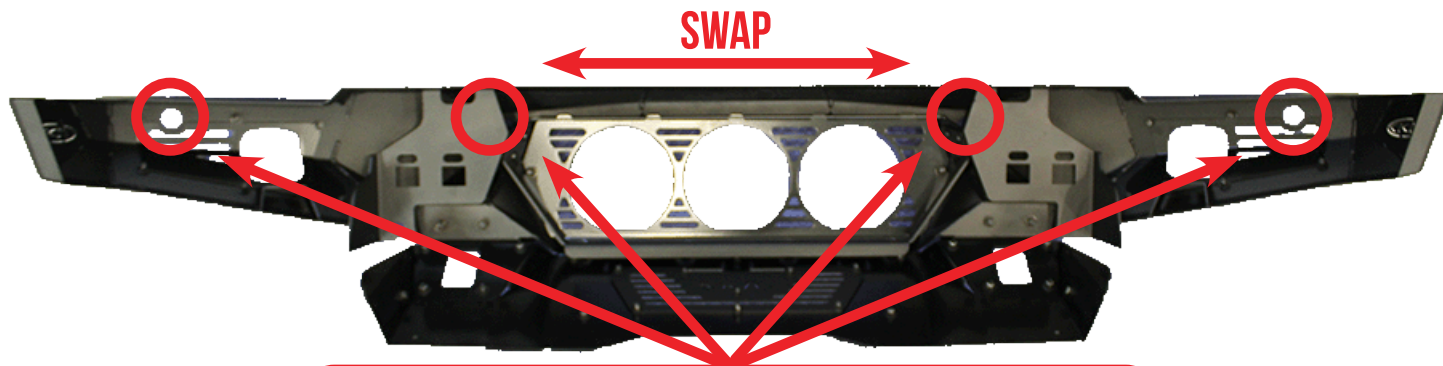
## BOMBER FRONT BUMPER

23+/FORD SUPER DUTY

## INSTALL

### □ STEP 18

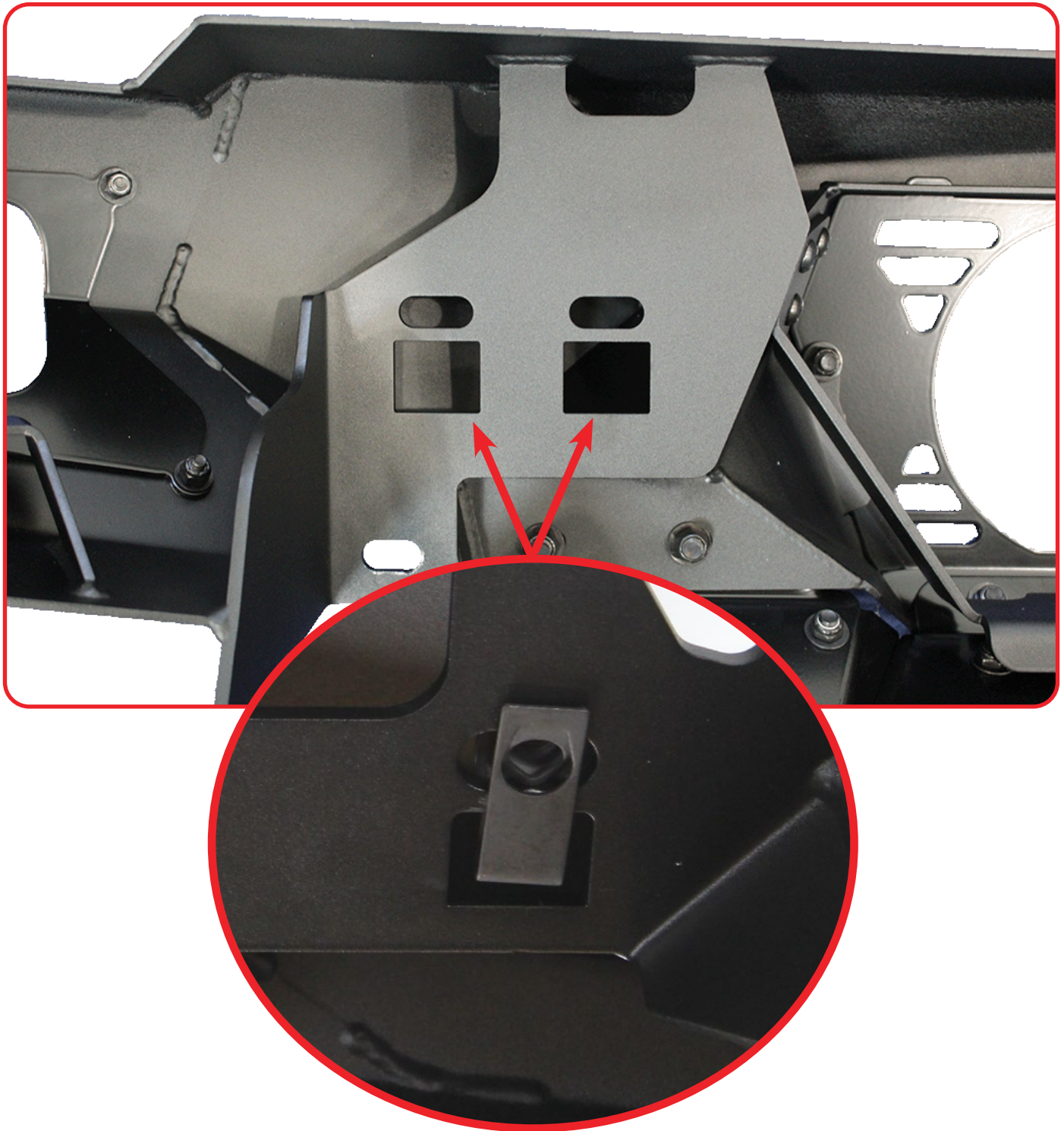
Install your outer sensors and bezels in the same orientation as they were removed. **\*\*Swap the inner sensors and bezels with driver side on passenger and passenger on driver\*\***



## BOMBER FRONT BUMPER 23+ / FORD SUPER DUTY

## INSTALL

- STEP 19**  
Install the 4x (A2).



## BOMBER FRONT BUMPER 23+/FORD SUPER DUTY

## INSTALL

### □ STEP 20

You can now install your bumper with the provided (D, D1, D2) using a (5/16 allen) and a (3/4 wrench).





## BOMBER FRONT BUMPER 23+/FORD SUPER DUTY

## INSTALL

### □ STEP 21

Install the 2x (each side) hardware (**A, A1**) using a (9/16 socket).



## BOMBER FRONT BUMPER 23+/FORD SUPER DUTY

## INSTALL

### □ STEP 22

Install the 1x (each side) hardware (**B, B1, B2**) using a (7/32 allen) and a (9/16 wrench).



## BOMBER FRONT BUMPER 23+/FORD SUPER DUTY

## INSTALL

### □ STEP 23

Plug in the wiring harness located on the driver side frame rail.



## BOMBER FRONT BUMPER 23+ / FORD SUPER DUTY

## FINAL

### □ STEP 24

Stand back and enjoy your new ADD Bomber™ Front 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)