

23+ / FORD SUPER DUTY

BOMBER REAR BUMPER

R810141090103



TOOLS REQUIRED

- (Wrench) 14mm, 15mm, 21mm 3/4
- (Socket) 14mm, 13mm, 15mm, 3/4
- (Deep Socket) 22mm
- Ratchet
- Flat Head/Fastener Remover



TIME REQUIRED

- 2 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- 1/2-13 x 1 1/2" Hex Head Bolt - Grade 8
- 4- 1/2-13" Nylon Lock Nuts - Grade C
- 4- 1/2" Flat Washer - Zinc

⚠️ 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.

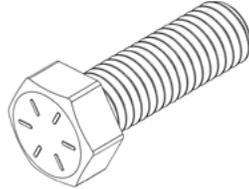
Inspect all contents of this package to make sure product is not damaged and all installation hardware has been included. If parts are missing from kit, please be prepared to provide the following information:

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

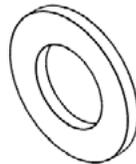
A.



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

QTY: 4

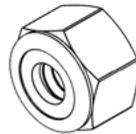
A1.



1/2" FLAT WASHER ZINC

QTY: 8

A2.



1/2-13" LOCK NUT GRADE C

QTY: 4

Reference this page throughout the install

BOMBER FRONT BUMPER 23+ / FORD SUPER DUTY

REMOVAL

□ STEP 1

Unplug the wiring harness located on the passenger side above the spare tire.



BOMBER FRONT BUMPER 23+ / FORD SUPER DUTY

REMOVAL

□ STEP 2

Unplug the trailer plug located on the driver side above the spare tire.

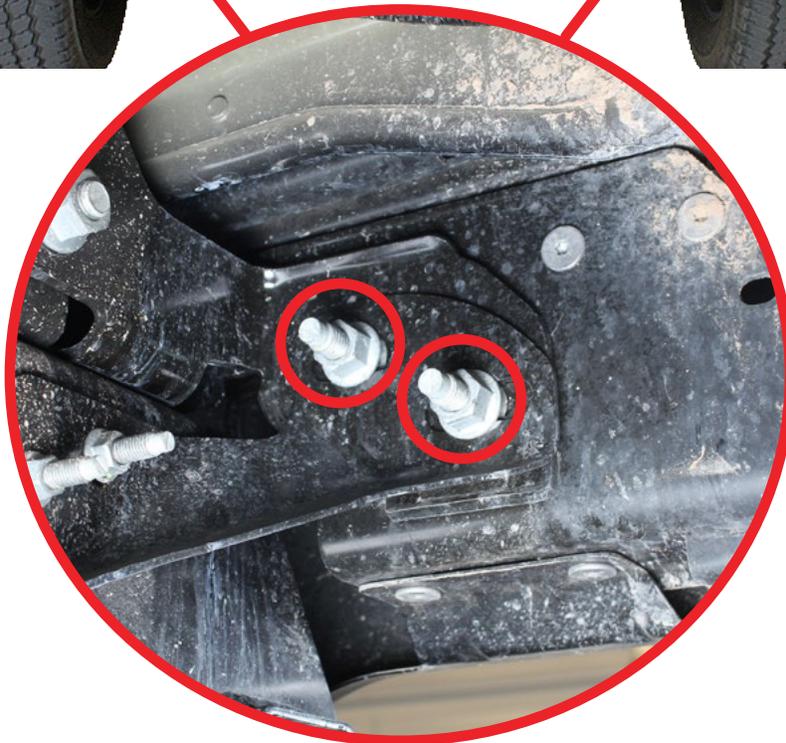


BOMBER FRONT BUMPER 23+ / FORD SUPER DUTY

REMOVAL

□ STEP 3

Remove the mounting bolts located on the driver and passenger using a (22mm deep socket).

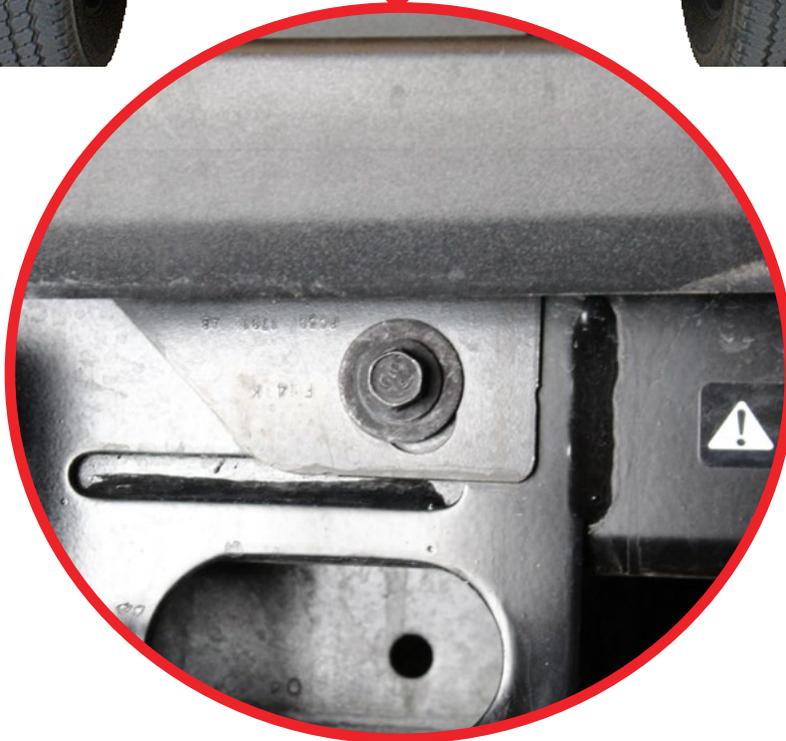


BOMBER FRONT BUMPER 23+ / FORD SUPER DUTY

REMOVAL

□ STEP 4

Remove the mounting bolts located below the license plate on the hitch using a (14mm socket). You can now remove the OEM bumper.



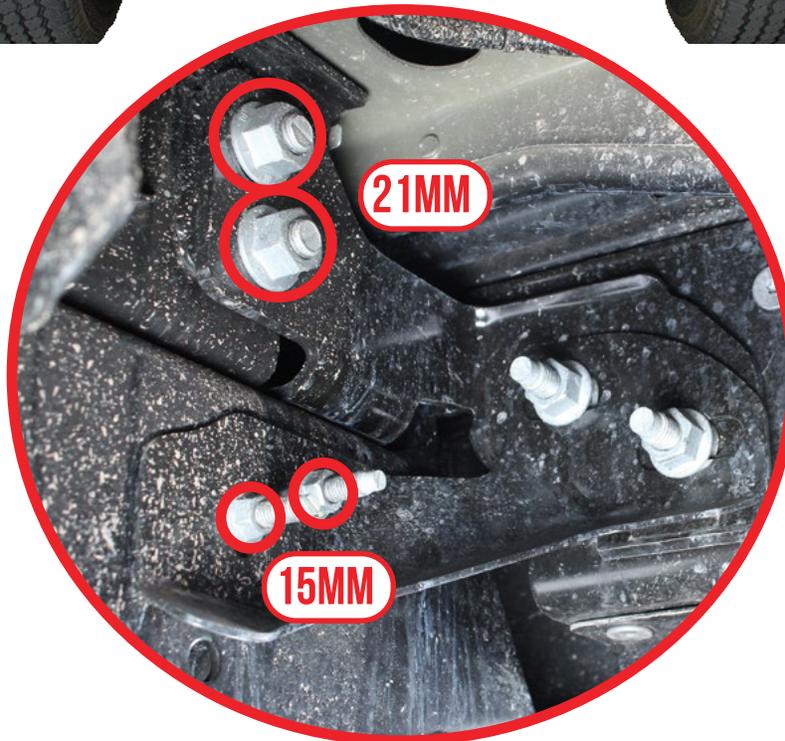
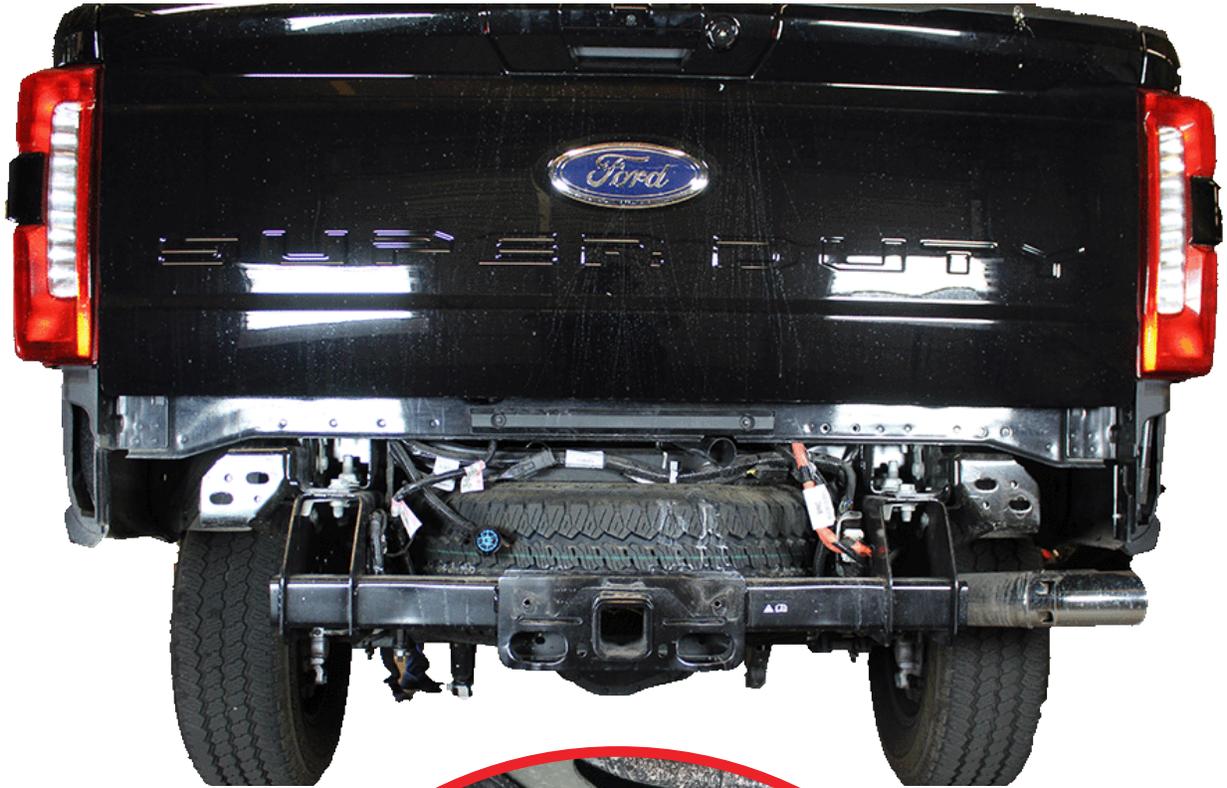
BOMBER FRONT BUMPER 23+/FORD SUPER DUTY

REMOVAL

□ STEP 5

Remove the mounting bracket bolts shown below using a (15mm socket) and a (21mm socket).

****Keep this hardware for it will be used later on in the install****

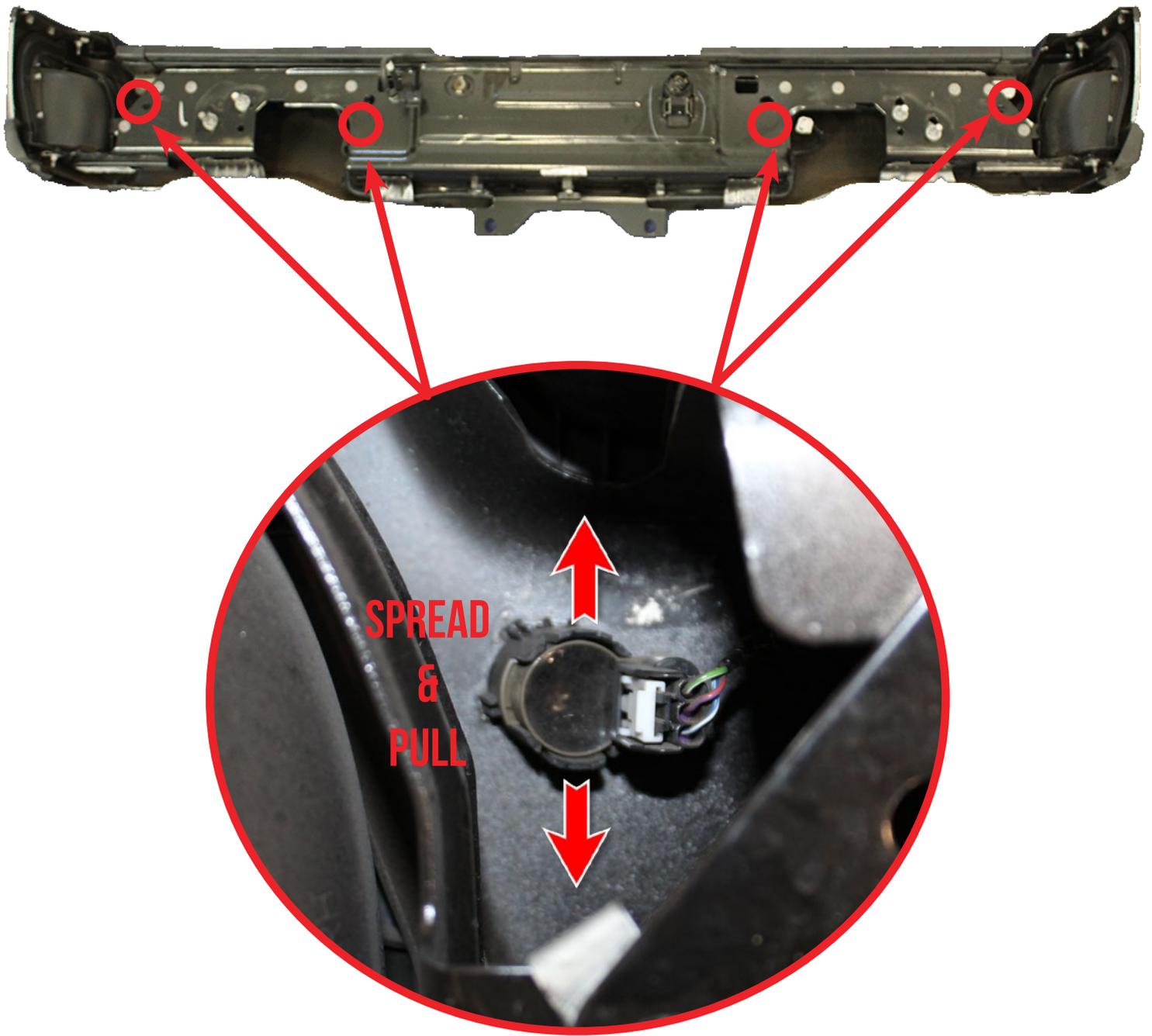


BOMBER FRONT BUMPER 23+/FORD SUPER DUTY

REMOVAL

□ STEP 6

Remove the sensors and the bezels by spreading the tabs and pulling the sensor at the same time. (Remember the orientation for it will be important later in the install) ****Be careful spreading the tabs due to breakage****



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REMOVAL

□ STEP 7

Remove the trailer plug by squeezing the metal tabs together and pushing the plug out.

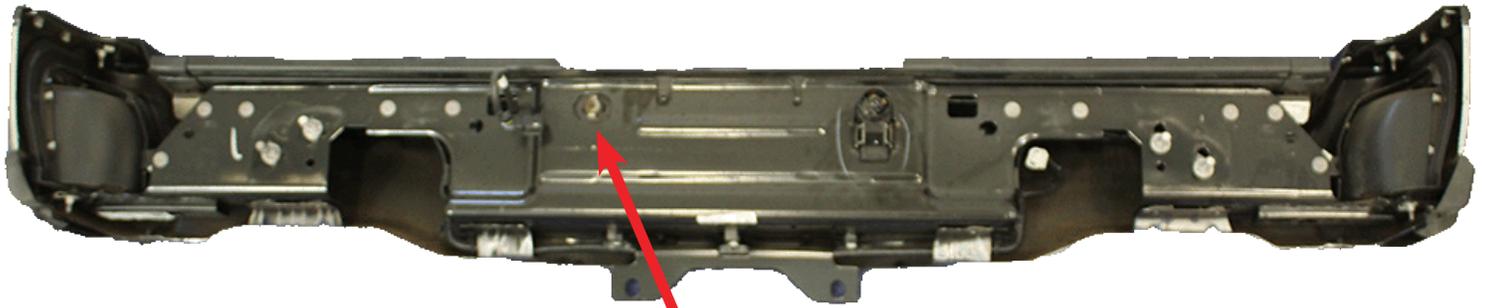


BOMBER FRONT BUMPER 23+ / FORD SUPER DUTY

REMOVAL

□ STEP 8

Remove the spare tire plug using your key.

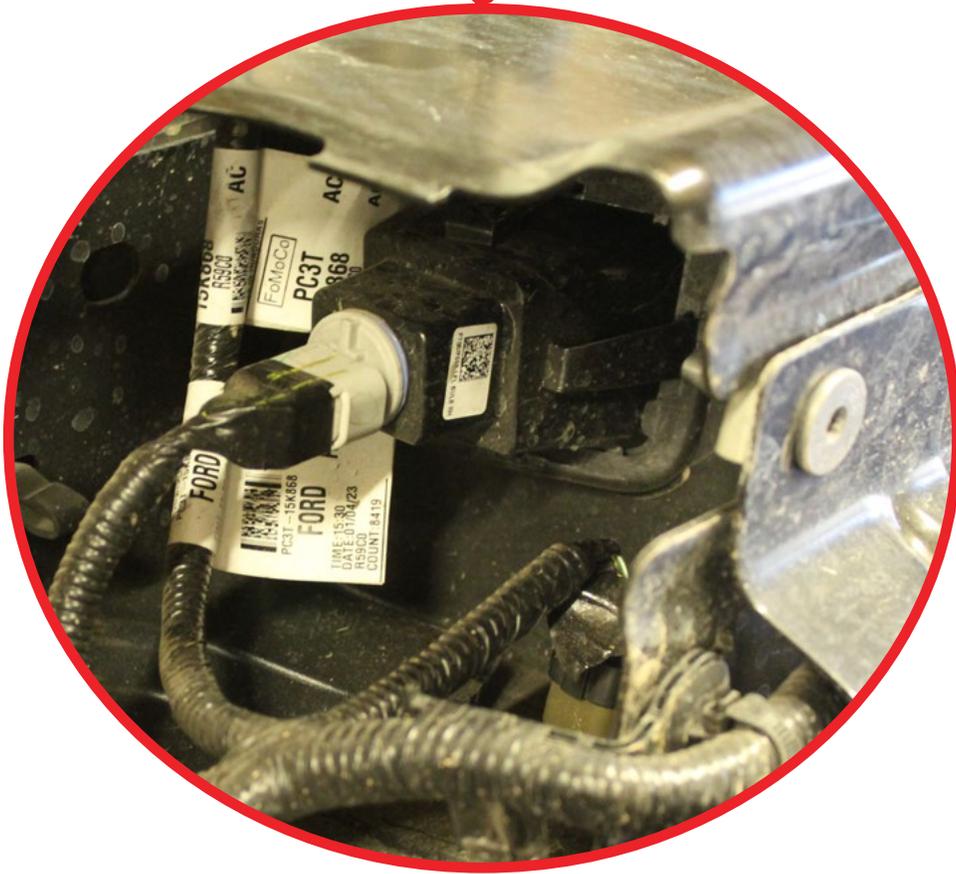


BOMBER FRONT BUMPER 23+/FORD SUPER DUTY

REMOVAL

□ STEP 9

Remove the license plate lights.



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INSTALL

□ STEP 10

Install the trailer plug using a (flathead screw driver).



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INSTALL

□ STEP 11

Install the license plate lights using a (flathead screw driver) to pry tabs. ****Careful prying tabs due to breakage****



BOMBER FRONT BUMPER 23+ / FORD SUPER DUTY

INSTALL

□ STEP 12

Install the spare tire plug.

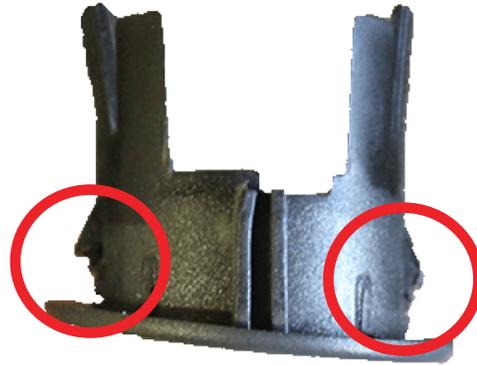
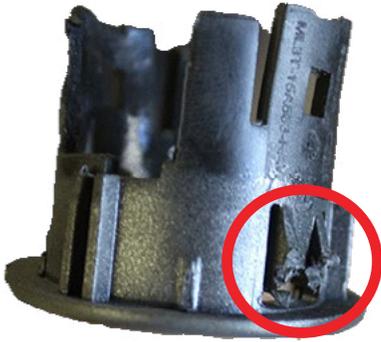


BOMBER FRONT BUMPER 23+ / FORD SUPER DUTY

INSTALL

□ STEP 13

Install the sensors and bezels into the ADD bumper in the same orientation as they were removed from **step 6**. ****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****



BOMBER REAR BUMPER 23+ / FORD SUPER DUTY

INSTALL

□ STEP 14

Install the mounting brackets using the OEM hardware removed from **step 5** using a (21mm Socket).

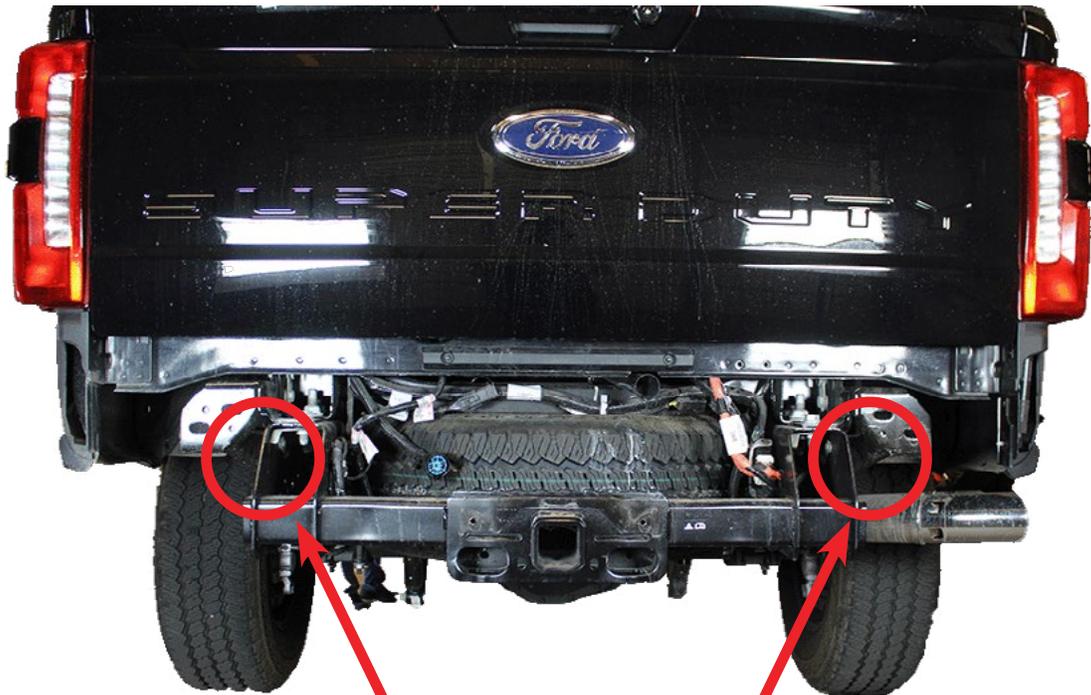


BOMBER REAR BUMPER 23+/FORD SUPER DUTY

INSTALL

□ STEP 15

Install the mounting brackets using the OEM hardware removed from **step 5** using a (21mm Socket).



BOMBER REAR BUMPER 23+/FORD SUPER DUTY

INSTALL

□ STEP 16

Install the mounting brackets using the OEM hardware removed from **step 5** using a (15mm Socket).

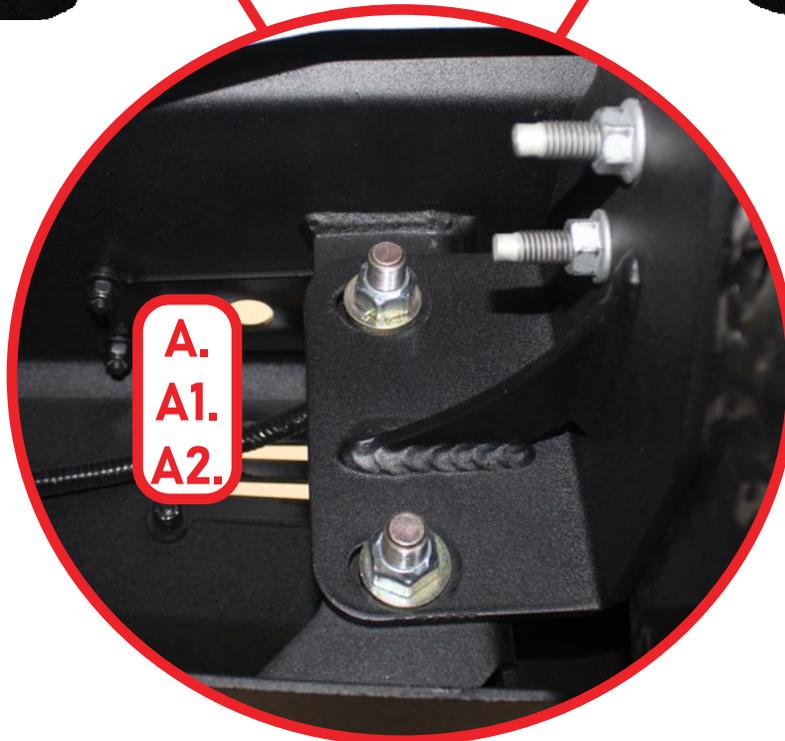


BOMBER REAR BUMPER 23+ / FORD SUPER DUTY

INSTALL

□ STEP 17

Install your ADD bumper with the provided hardware (**A, A1, A2**) using a (3/4 socket) and a (3/4 wrench).



BOMBER REAR BUMPER 23+/FORD SUPER DUTY

INSTALL

□ STEP 18

Plug in the trailer plug.



BOMBER REAR BUMPER 23+ / FORD SUPER DUTY

INSTALL

□ STEP 19

Install the wiring harness plug in.



BOMBER REAR BUMPER 23+ / FORD SUPER DUTY

FINAL

□ STEP 20

Stand back and enjoy your new ADD Bomber™ 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
WWW.ADDICTIVEDESERTDESIGNS.COM/PATENTS

FOR ADDITIONAL SUPPORT OR TECHNICAL QUESTIONS,
PLEASE CALL 480-671-0820 OR
EMAIL INFO@ADDICTIVEDESERTDESIGNS.COM