

## 2024+/FORD F-150 PRO BOLT ON FRONT BUMPER F1908100010103



### TOOLS REQUIRED

- (Sockets) 7/16, 9/16, 3/4, 7mm, 10mm, 13mm, 15mm, 21mm
- (Box end wrenches) 7/16, 9/16, 3/4, 7mm, 10mm, 13mm, 15mm, 21mm
- (Allen wrenches) 5/32, 5/16
- (Torx) T20, T30
- Fastener remover or flathead screwdriver
- Zip ties
- Ratchet
- Jigsaw (or preferred cutting tool)
- Razor/scissors



### TIME REQUIRED

- 2 hours for OEM Removal/Bumper Install
- 1 Additional Hour for Wiring

**\*\*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

-Medium/Moderate

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

## ⚠️ 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\***

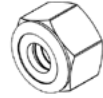
## HARDWARE/PARTS

**A.**

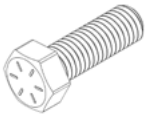
1/4-20 X 1" BUTTON HEAD BOLT

**QTY: 8****A1.**

1/4" FLAT WASHER

**QTY: 8****A2.**

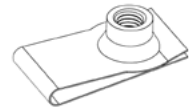
1/4-20" NYLON LOCK NUT

**QTY: 8****B.**

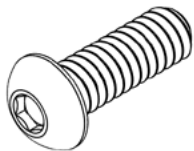
3/8-16 X 1 1/4" HEX HEAD BOLT

**QTY: 4****B1.**

3/8" FENDER WASHER

**QTY: 4****B2.**

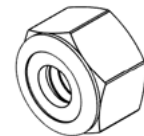
3/8-16" U-NUT

**QTY: 4****C.**

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

**QTY: 2****C1.**

1/2" FLAT WASHER

**QTY: 2****C2.**

1/2-13" NYLON LOCK NUT

**QTY: 2**

**Reference this page throughout the install**

## PRO BOLT ON FRONT BUMPER 2024-UP/F-150

## REMOVAL

### □ STEP 1

Located on the passenger side above the frame rail, unplug the main wiring harness shown on figure 1 by pulling the tab back shown on figure 2.



**FIG. 1**



**FIG. 2**

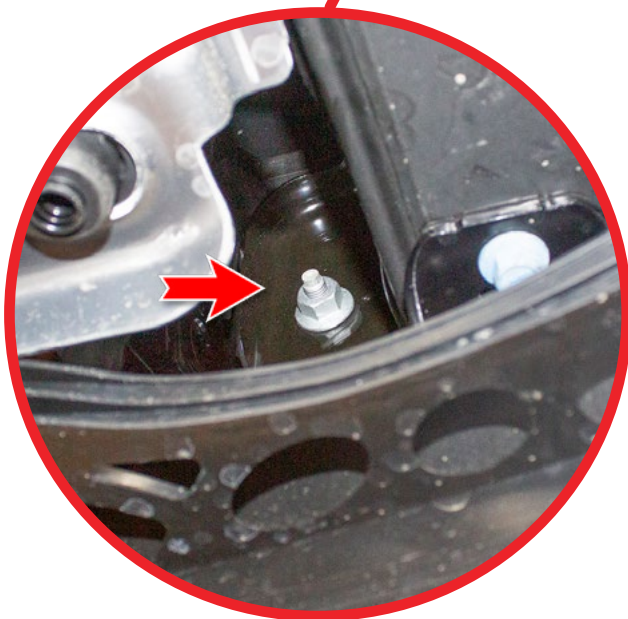
## PRO BOLT ON FRONT BUMPER 2024-UP/F-150

## REMOVAL

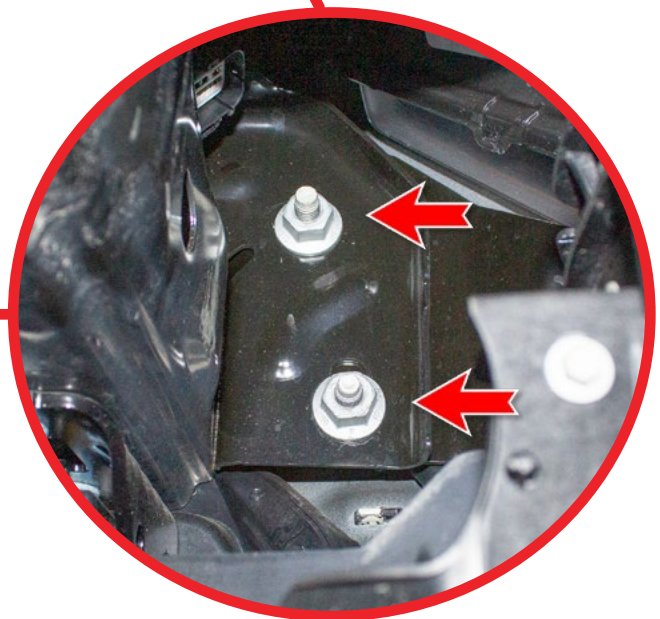
### □ STEP 2

Use a 21mm socket to remove the three bumper mounting bolts at each frame horn. (Repeat on other side) Remove OEM bumper from vehicle.

*\*\*Recommended to have someone stabilize the bumper while removing mounting bolts to prevent the bumper from falling\*\**



**INSIDE**



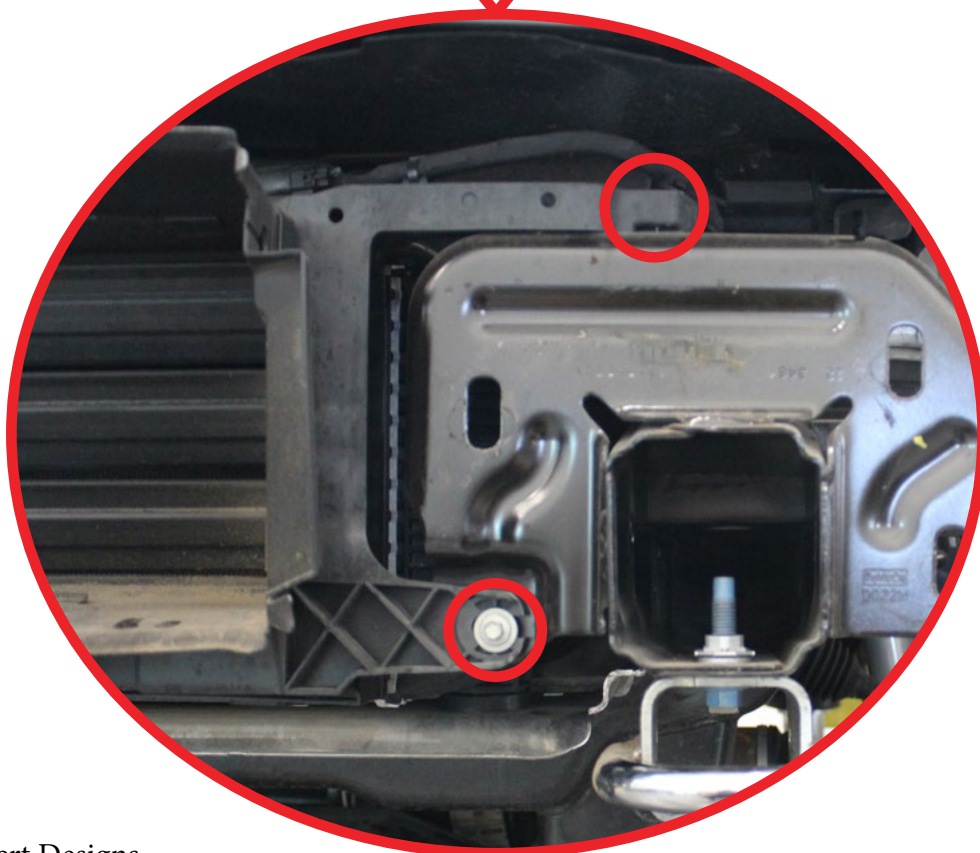
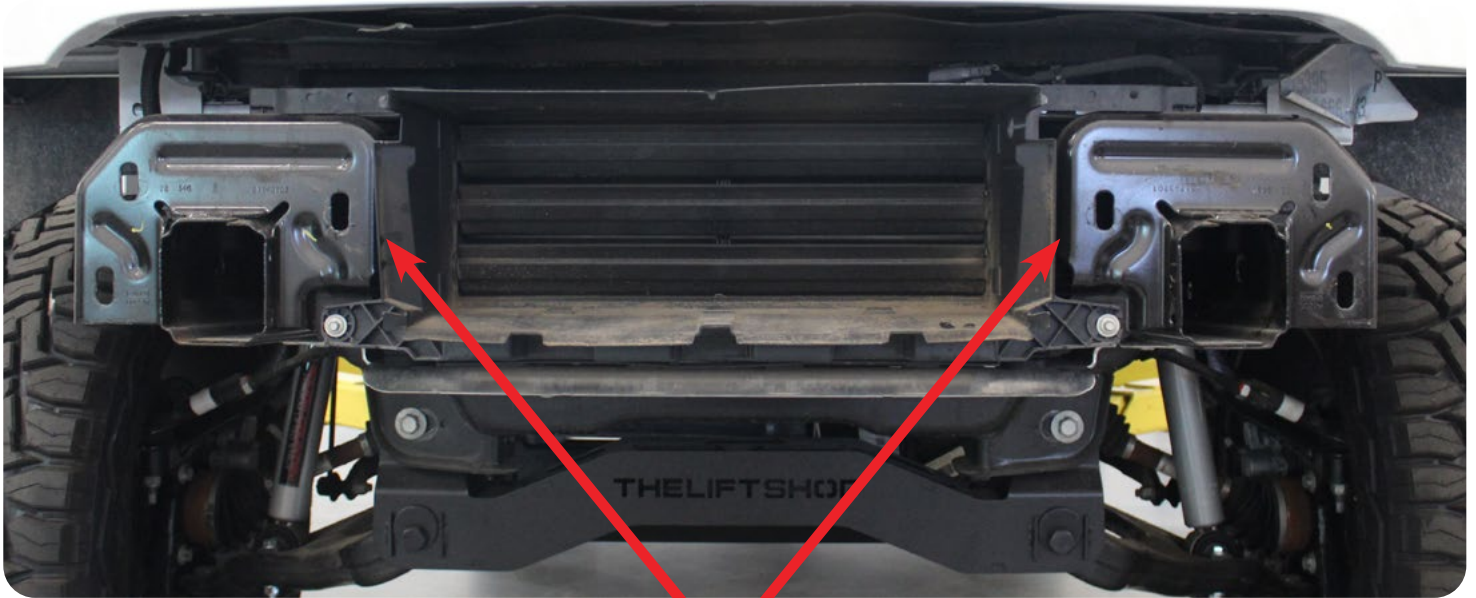
**OUTSIDE**

## PRO BOLT ON FRONT BUMPER 2024-UP/F-150

## REMOVAL

### □ STEP 3

Using a (7mm socket), remove the intercooler shroud bolts located on top and bottom of the frame horns.

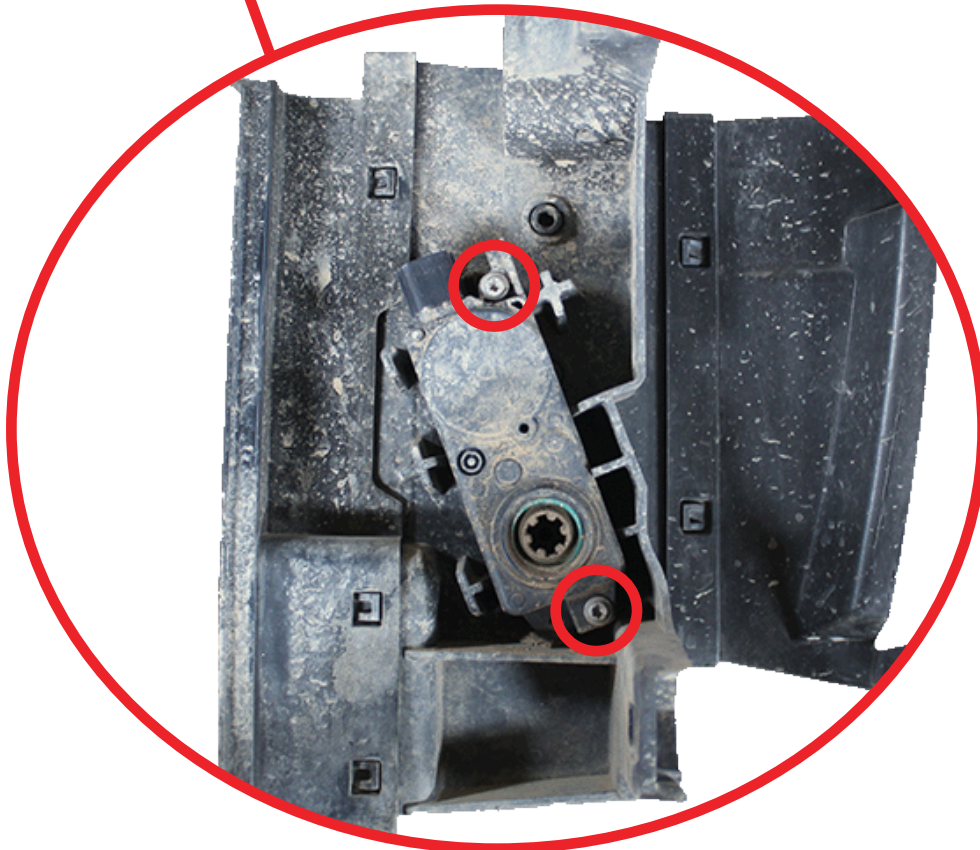


## PRO BOLT ON FRONT BUMPER 2024-UP/F-150

## REMOVAL

### □ STEP 4

Using a T20 remove the shutter motor located on the passenger side of the intercooler shroud. ***\*\*Set aside for it will be reused later in the install\*\****

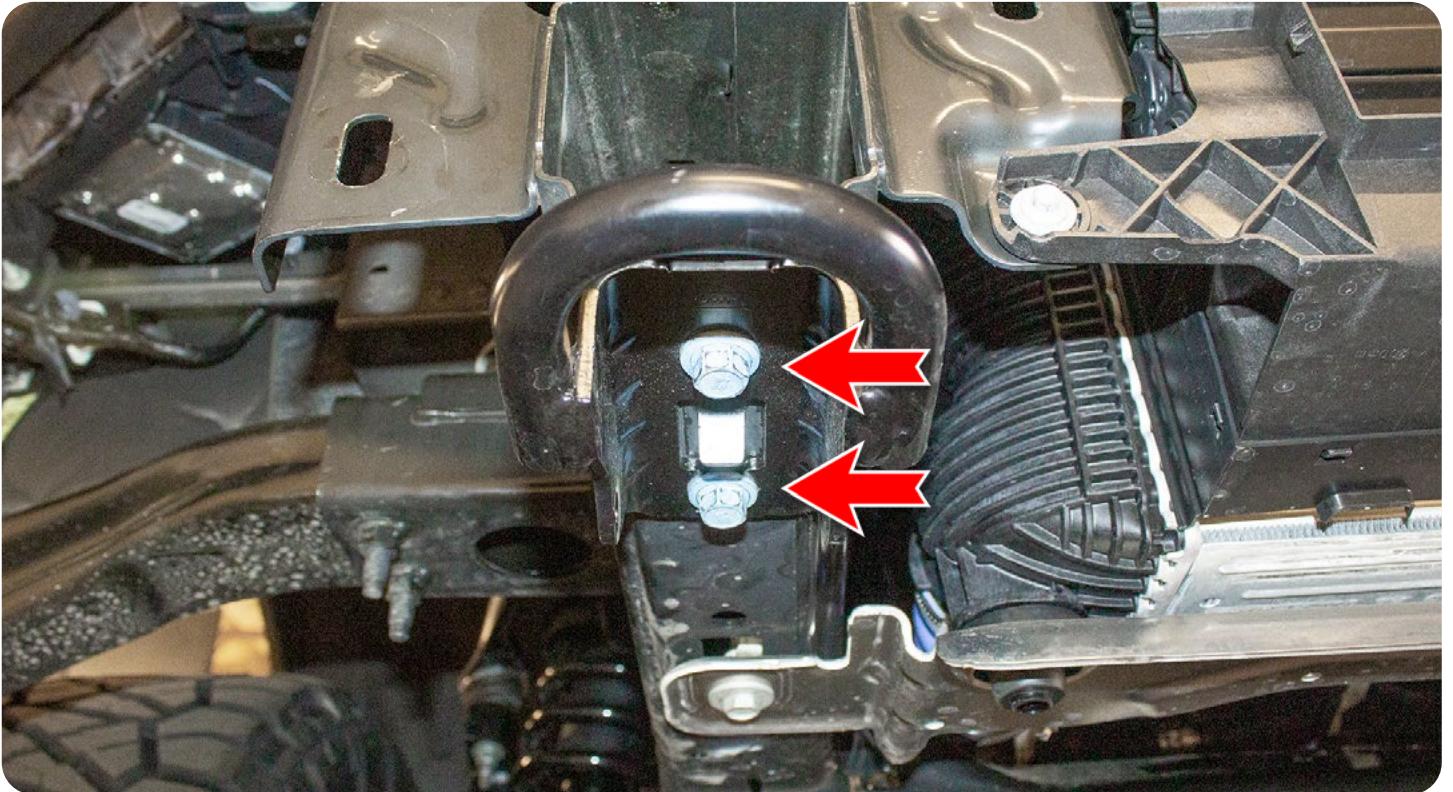


## PRO BOLT ON FRONT BUMPER 2024-UP/F-150

## REMOVAL

### STEP 5

Using a 15mm socket, remove the OEM tow hooks.



## PRO BOLT ON FRONT BUMPER 2024-UP/F-150

## REMOVAL

### □ STEP 6

Use your preferred cutting tool to remove the crash bars located on each side of the vehicle. **\*\*Paint after cutting to prevent future rust\*\***



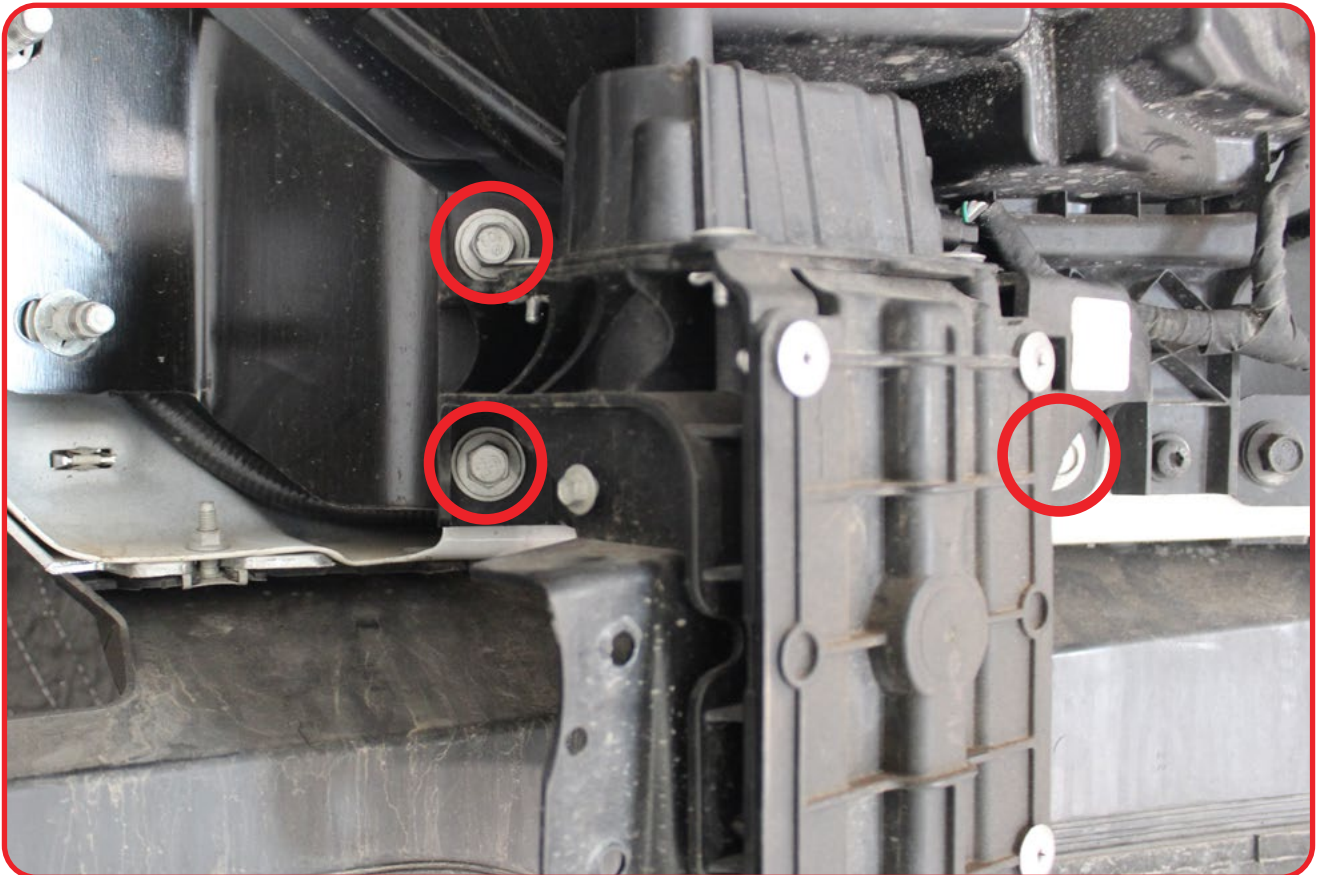
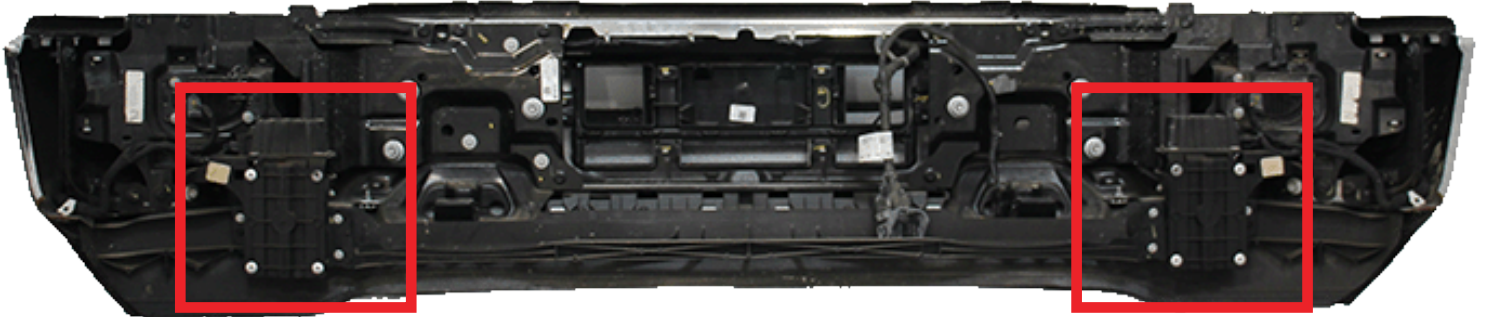


## PRO BOLT ON FRONT BUMPER 2024-UP/F-150

## REMOVAL

### □ STEP 7

Remove the 6x OEM bolts holding the air dam using a (13mm socket).

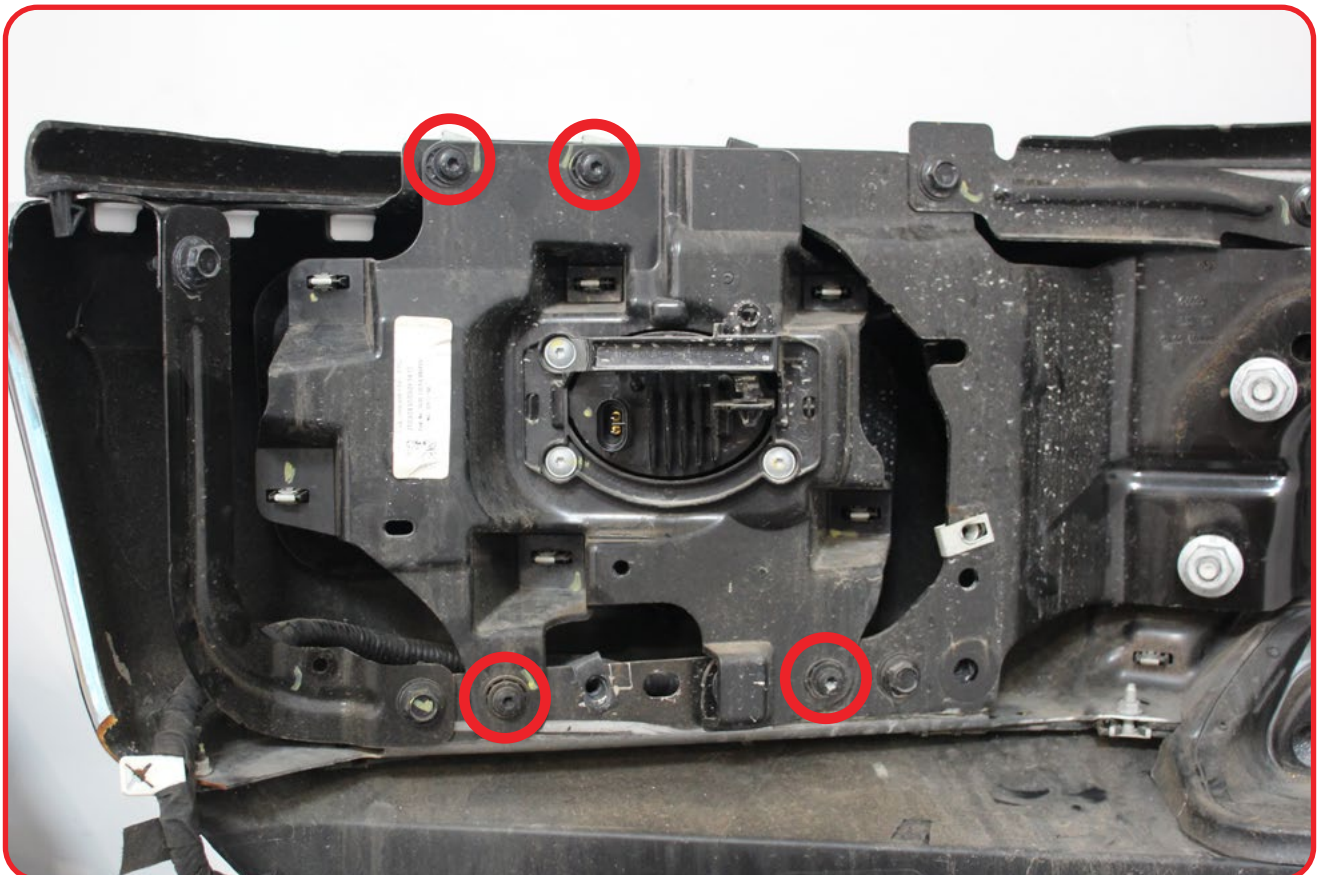
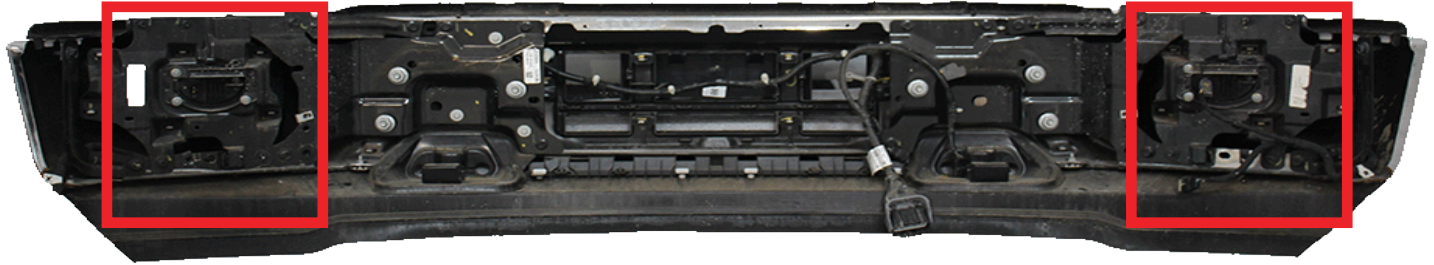


## PRO BOLT ON FRONT BUMPER 2024-UP/F-150

## REMOVAL

### □ STEP 8

Next, Using a (T30) remove the fog lights.

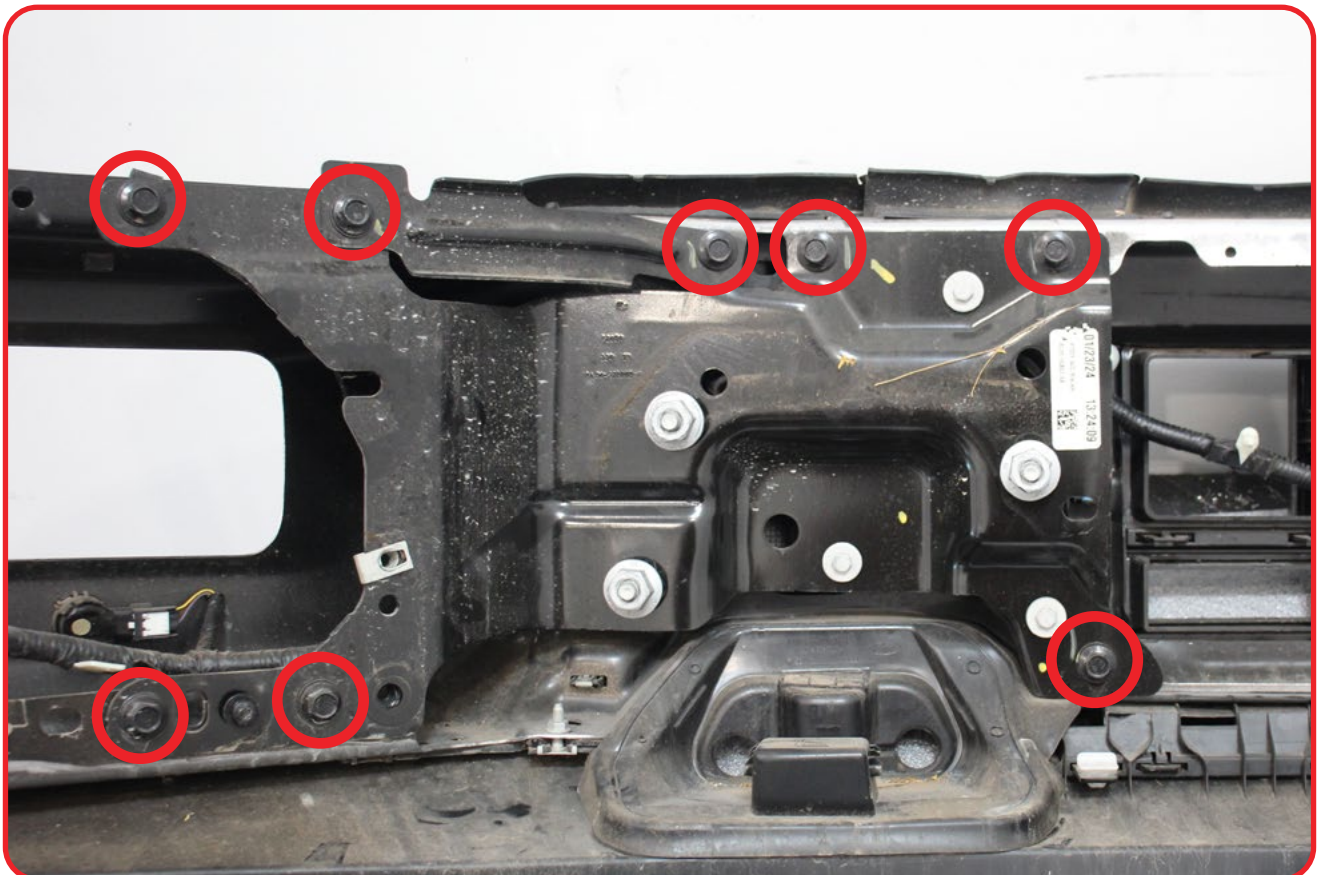
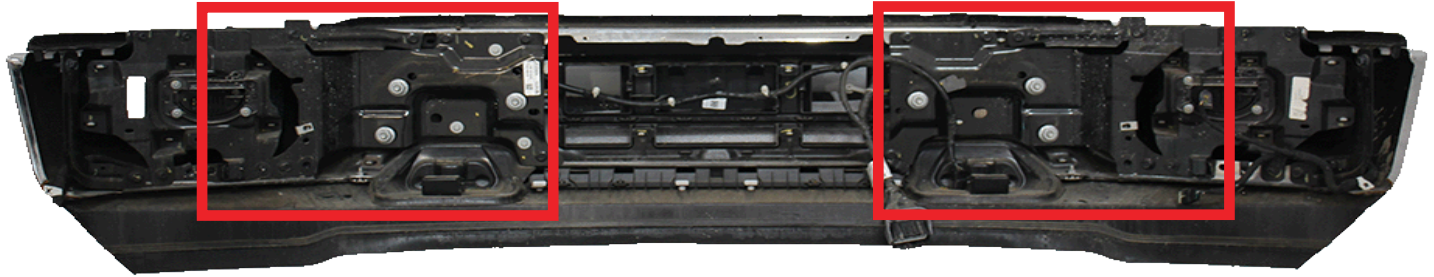


## PRO BOLT ON FRONT BUMPER 2024-UP/F-150

## REMOVAL

### □ STEP 9

Using a (13mm socket) remove the mounting plates to expose the ACC and wire harness.

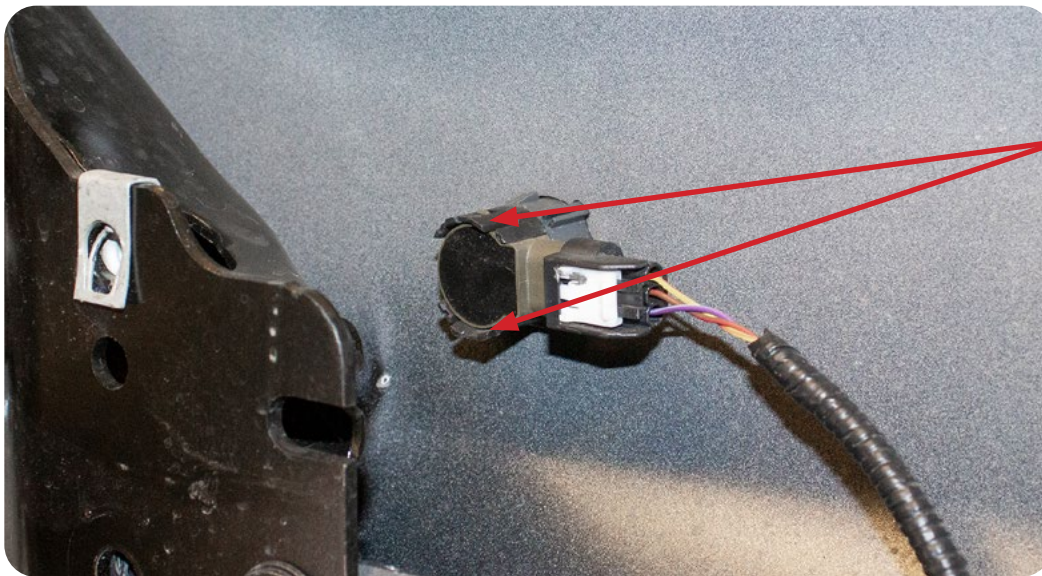


## PRO BOLT ON FRONT BUMPER 2024-UP/F-150

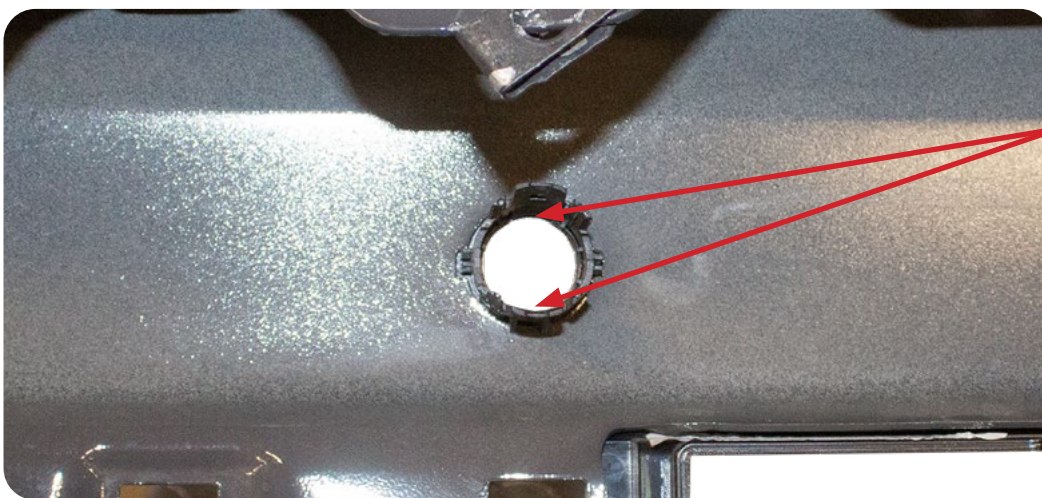
## REMOVAL

### □ STEP 10

Remove the parking sensors and bezels from the stock bumper, You can now remove the wire harness and set aside for install. **\*\*Take note of the location and orientation prior to removal. This will be referenced later on in the install\*\***



**SPREAD THESE  
TWO TABS TO RELEASE  
THE PARKING SENSORS  
FROM THEIR MOUNTING  
RINGS.**



**PRESS THESE TWO  
TABS IN TO RELEASE THE  
MOUNTING RINGS FROM  
THE BUMPER.**

## PRO BOLT ON FRONT BUMPER 2024-UP/F-150

## REMOVAL

### STEP 11

Trim the mounting tabs to accommodate for the thickness of the material on your new bumper.



### STEP 12

If your vehicle is equipped with Adaptive Cruise Control, relocate the sensor at this time with the ADD Relocation Bracket (part# AC19005101NA - sold separately).

## PRO BOLT ON FRONT BUMPER 2024-UP/F-150

## INSTALL

### □ STEP 13

Install the parking sensor mounts with the provided (A, A1, A2) 1/4" hardware using a (5/32 allen) and (7/16 wrench). (Repeat on other side) **\*\*If you have six sensors, install the other provided sensor mounts\*\***



## PRO BOLT ON FRONT BUMPER 2024-UP/F-150

## INSTALL

### □ STEP 14

Install the sensor bezels in the same orientation from the stock bumper.

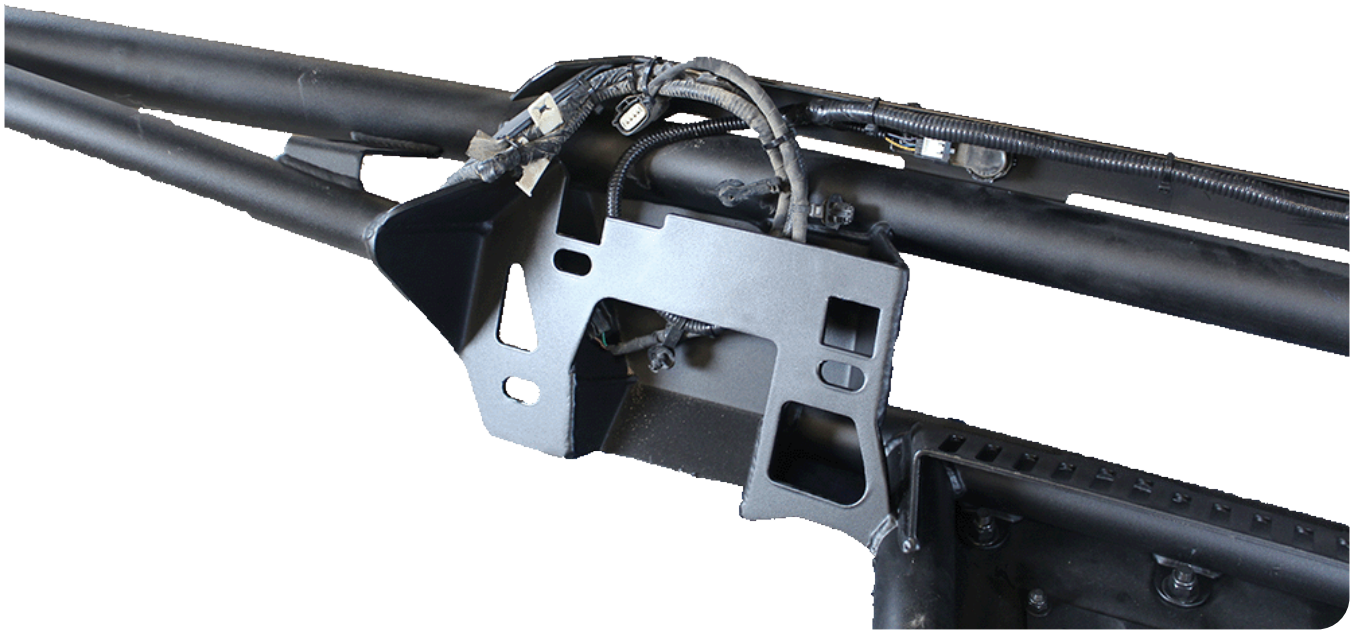


## PRO BOLT ON FRONT BUMPER 2024-UP/F-150

## INSTALL

### □ STEP 15

Install the parking sensors and the wire harness with the plug in on the passenger side.



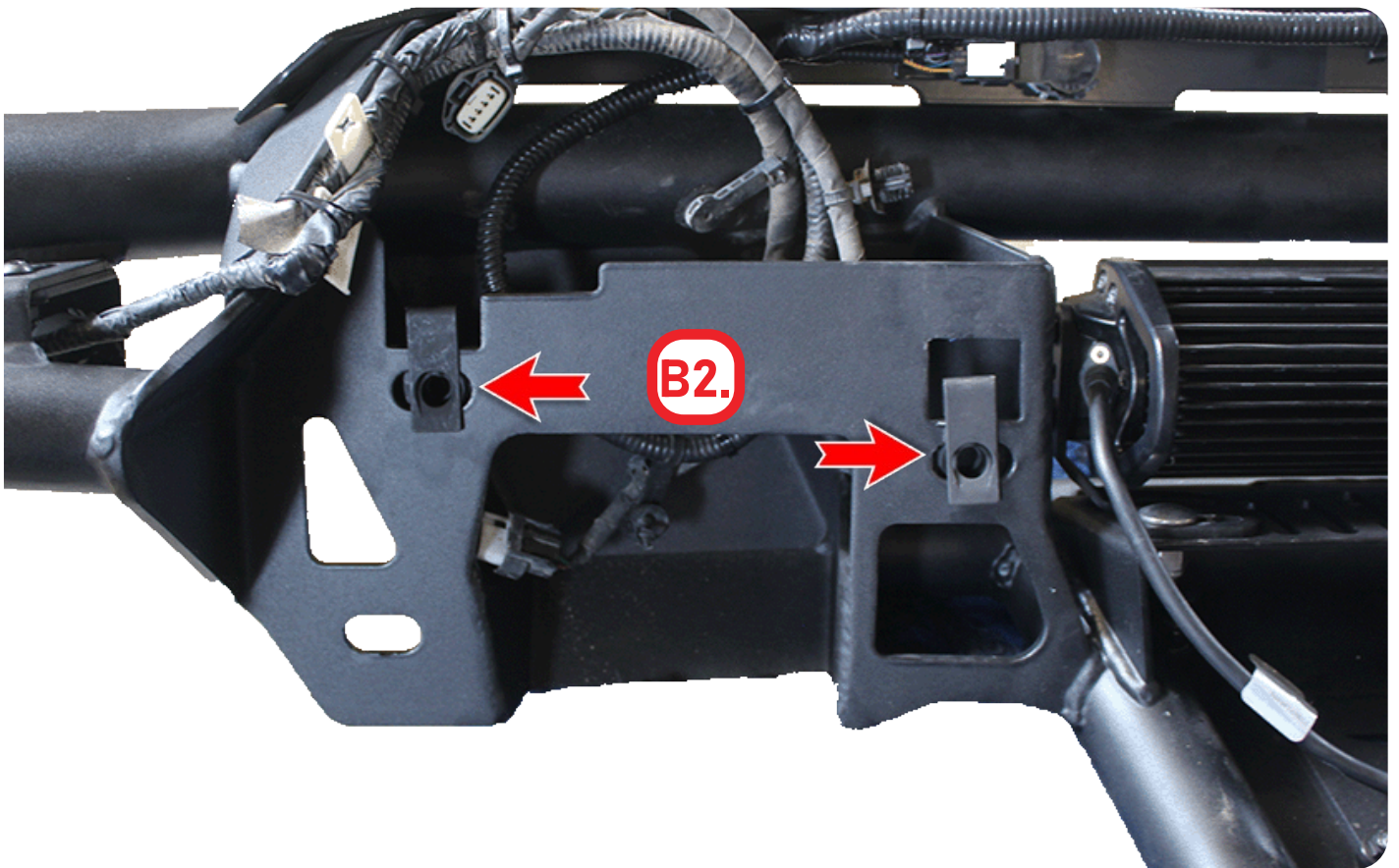


## PRO BOLT ON FRONT BUMPER 2024-UP/F-150

## INSTALL

### □ STEP 16

Install the provided **(B2)** 3/8" nut clips. (Repeat on other side)



## PRO BOLT ON FRONT BUMPER 2024-UP/F-150

## INSTALL

### STEP 17

Ensure to install the Shutter Motor Bracket by following the guide. <https://www.addictivedesertdesigns.com/collections/2024-ford-f-150-raptor-raptor-r-front-bumpers/products/f-150-raptor-shutter-motor-kit>

Plug the shutter motor removed from **step 4** into the original wire harness location and use zip ties to secure it to the wire harness.

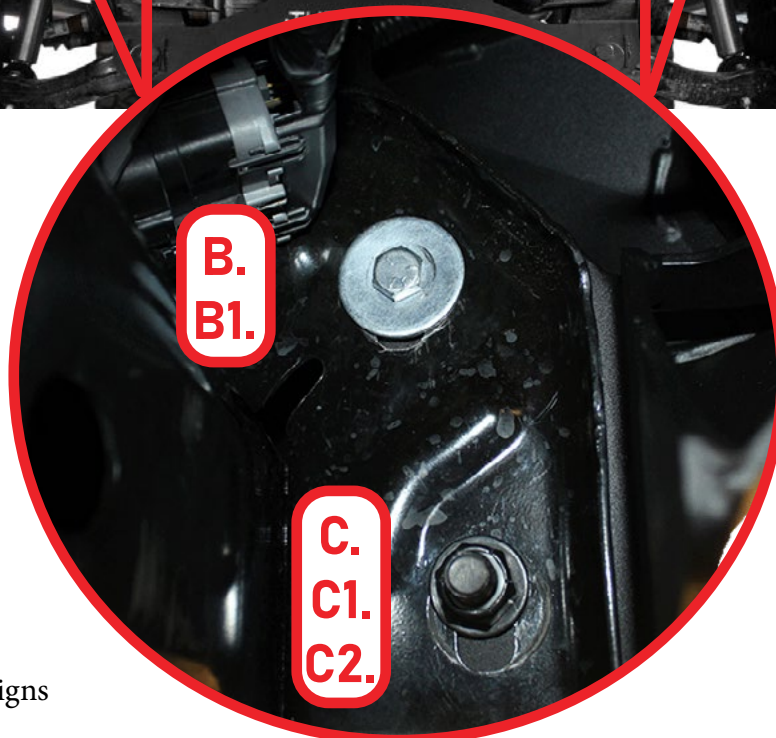


## PRO BOLT ON FRONT BUMPER 2024-UP/F-150

## INSTALL

### □ STEP 18

- With the help from another installer, position the bumper on the truck and with the provided **(C, C1, C2)** 1/2" hardware using a (5/16 allen) and (3/4 wrench).
- Install the provided **(B, B1)** 3/8" hardware using a (9/16 socket).

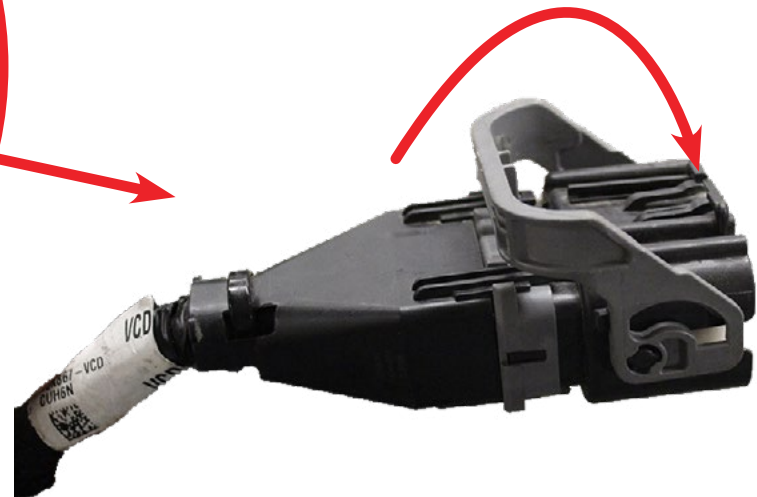


## PRO BOLT ON FRONT BUMPER 2024-UP/F-150

## INSTALL

### □ STEP 19

Plug in the wire harness. **\*\*Ensure the clip is fully pushed down when plugged in as shown below\*\***



## PRO BOLT ON FRONT BUMPER 2024-UP/F-150

## INSTALL

### STEP 20

Trim the inner wheel well using a (razor blade/scissors) as shown below.



## PRO BOLT ON FRONT BUMPER 2024-UP/F-150

## FINAL

### STEP 21

Stand back and enjoy your new ADD Pro Bolt On Front.

Check and re-tighten all mounting bolts after 100 miles and periodically thereafter.



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