



INSTALLATION GUIDE

23+ / FORD BRONCO RAPTOR BOMBER FRONT BUMPER



PREPARATION

We recommend reading through the installation instructions in whole before performing the work.

- Disconnect the negative battery terminal. Park the vehicle on level ground and set the emergency brake.
- **When button head bolts are being used, install the supplied washer on the nut side. Then, hold the bolt stationary and only turn the nut to tighten. Do not turn the bolt to tighten hardware assembly, unless otherwise noted.**
- Anti-seize is recommended for all fasteners.

SKILL LEVEL

-Easy/Intermediate

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

TIME REQUIRED

- 2 hours for OEM Removal/Bumper Install
-1.5 Additional Hour to Wire Cube Lights/Winch

****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

- 6- Hex Head Bolt (3/8-16 x 1 1/4")
- 6- Fender Washers (3/8")
- 4- Sensor Plugs

TOOLS REQUIRED

- (Sockets) 9/16, 10mm, 15mm
- (Box end wrenches) 9/16, 10mm, 15mm
- (Torx) T30, T40
- Fastener remover or flathead screwdriver
- Zip ties
- Ratchet



INSTALLATION **GUIDE**

BOMBER FRONT BUMPER
23+/**FORD BRONCO RAPTOR**

OPTIONS

BAJA OPTION



RIGID OPTION



BOMBER FRONT BUMPER 23+/FORD BRONCO RAPTOR

REMOVAL

□ STEP 1

Disconnect the wire harness plug located on the driver side.





INSTALLATION GUIDE

BOMBER FRONT BUMPER

23+ / FORD BRONCO RAPTOR

□ STEP 2

Remove the skid plate using a (15mm socket). ****Keep these for they will be used later on in the install****

REMOVAL



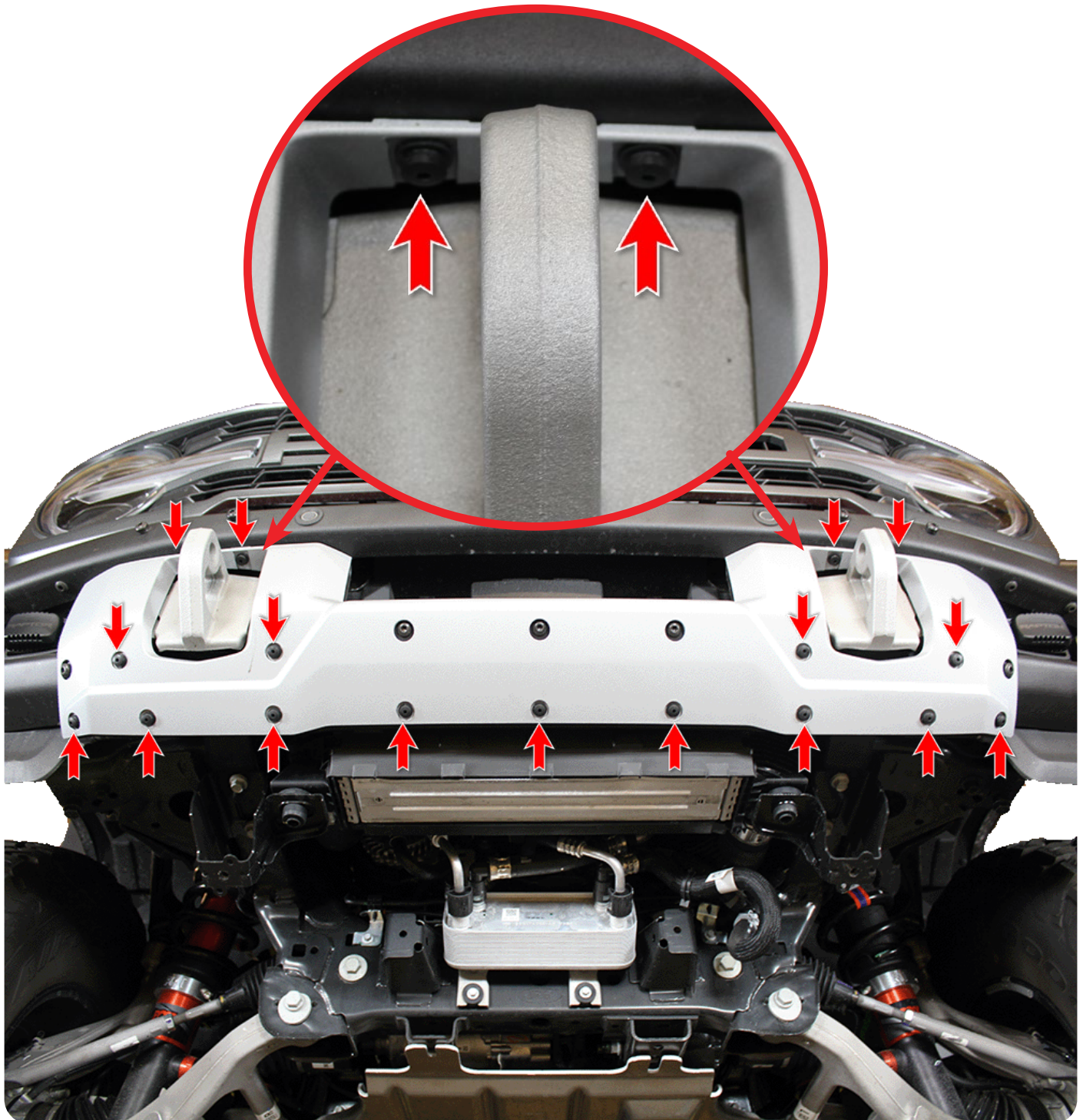
BOMBER FRONT BUMPER

23+ / FORD BRONCO RAPTOR

□ STEP 3

Remove all the push pins for the front cover using a (fastener remover/flathead).

REMOVAL





INSTALLATION GUIDE

BOMBER FRONT BUMPER

23+/**FORD BRONCO RAPTOR**

STEP 4

Remove the mounting bolts located on the tow hooks using a (15mm socket). You can now remove the bumper.

REMOVAL





INSTALLATION GUIDE

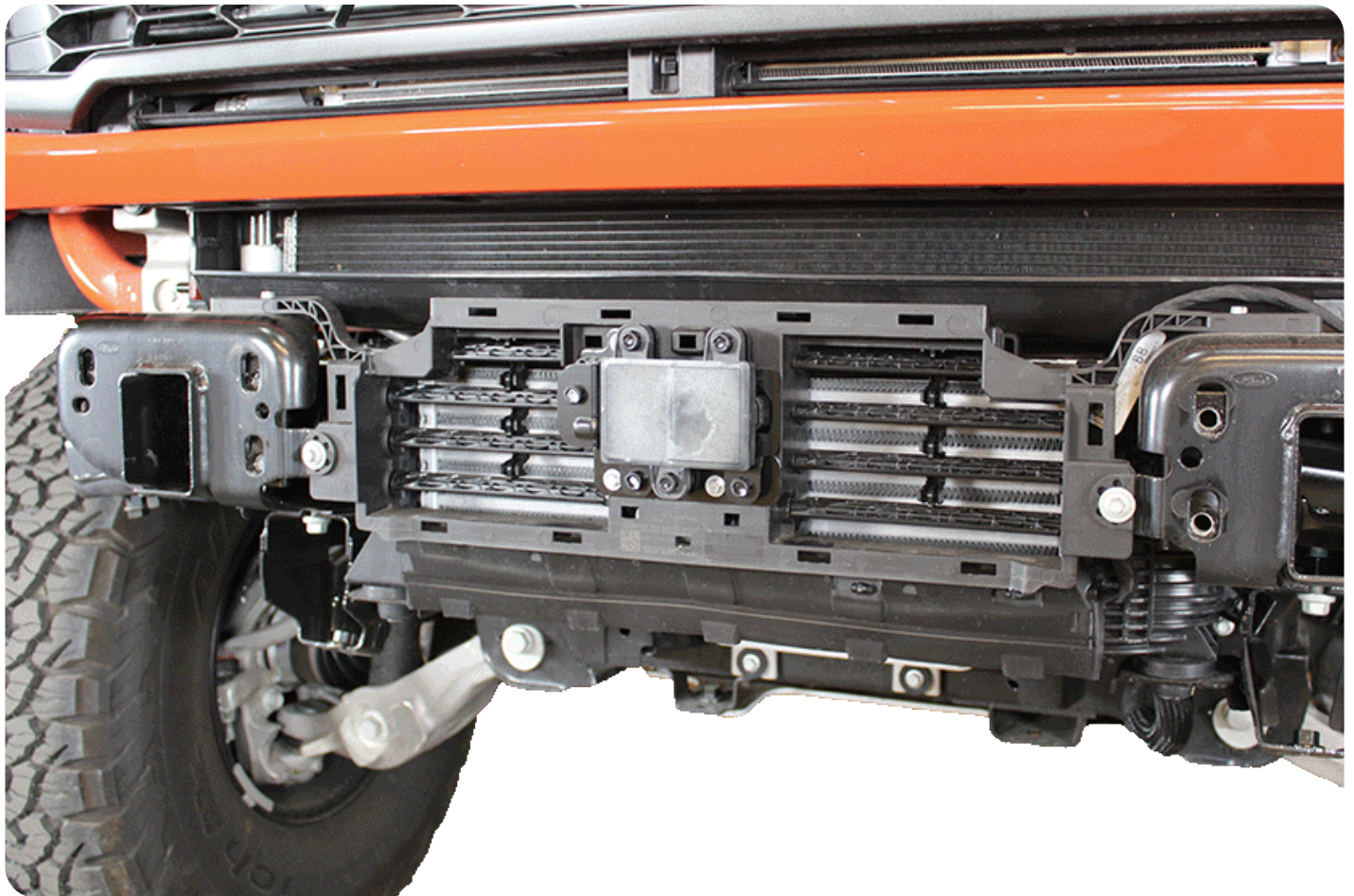
BOMBER FRONT BUMPER 23+/FORD BRONCO RAPTOR

REMOVAL

STEP 5

Follow the ACC install guide before continuing with the install.

<https://cdn.shopify.com/s/files/1/0627/4508/4140/files/2021-ford-bronco-cruise-control-install.pdf?v=1654182892>



BOMBER FRONT BUMPER 23+ / FORD BRONCO RAPTOR

REMOVAL

❑ STEP 6

Remove the mounting bracket plastic nuts located behind the frame horns. There are 2x on each side.



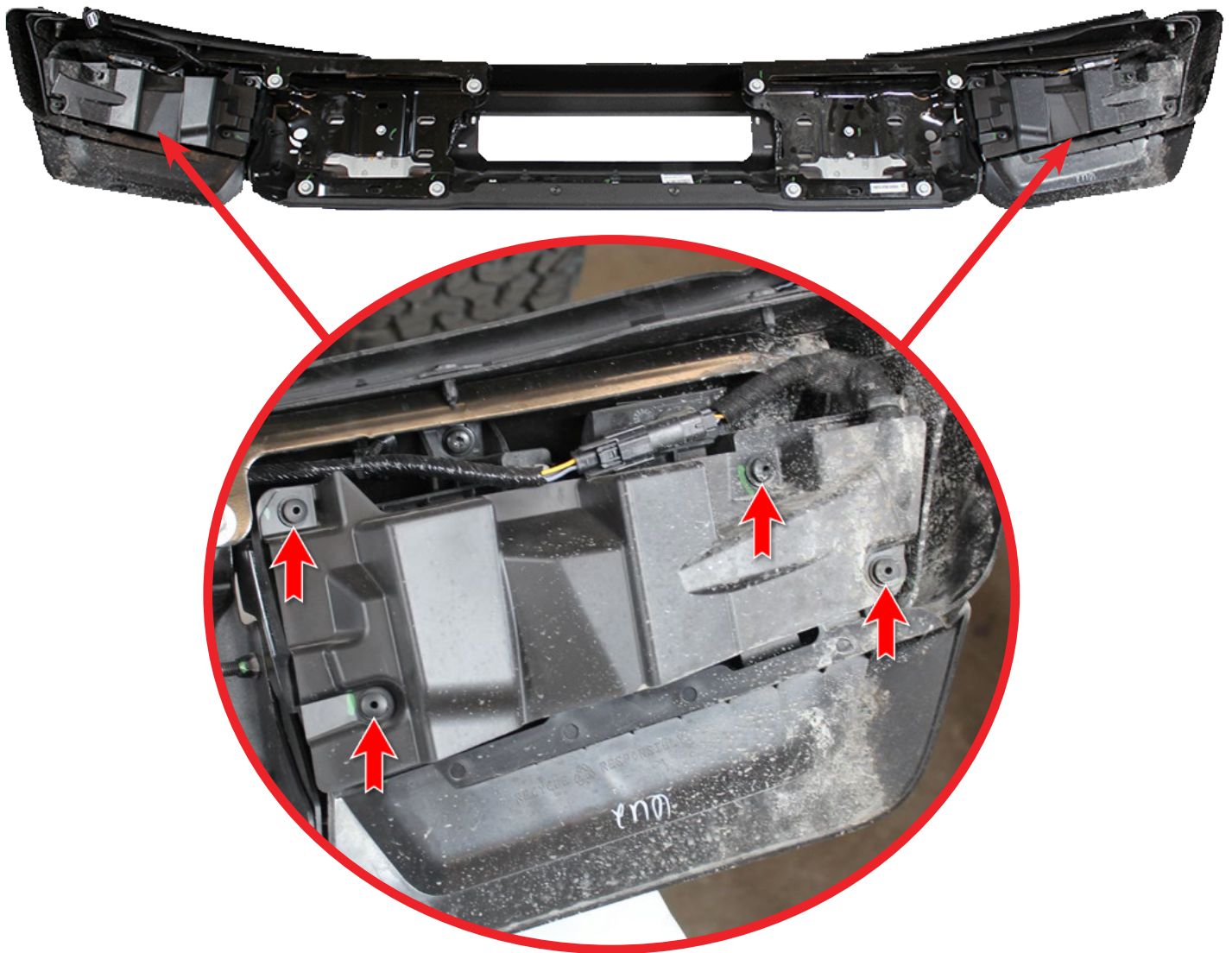
BOMBER FRONT BUMPER

23+/**FORD BRONCO RAPTOR**

STEP 7

Remove the plastic covers on each outer sides using a (fastener remover/flathead).

REMOVAL



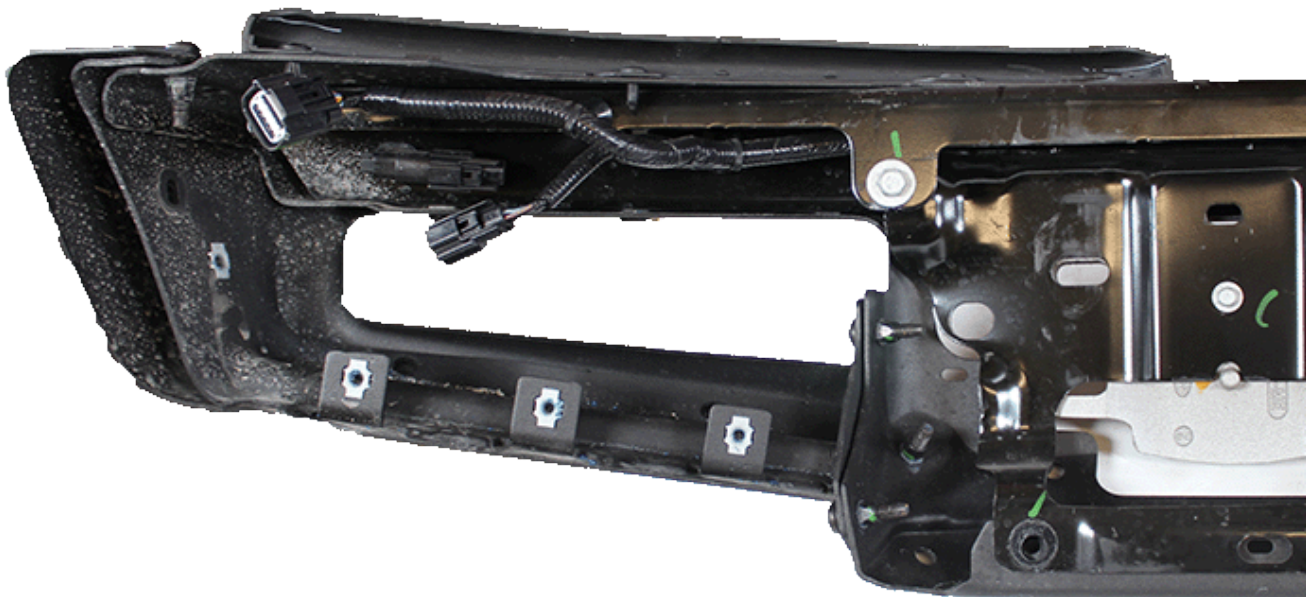
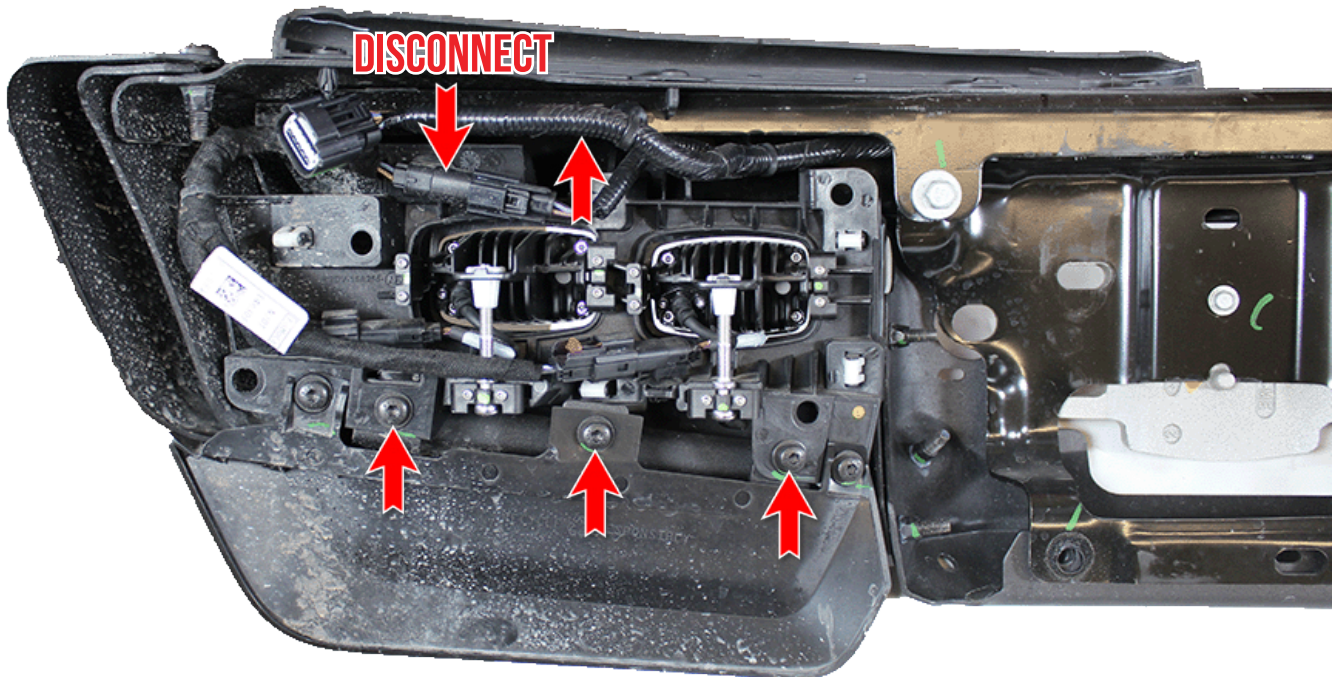
BOMBER FRONT BUMPER

23+ / FORD BRONCO RAPTOR

□ STEP 8

Next, Remove the 4x bolts holding the light brackets using a (T30). Then disconnect the plug located above the lights.

REMOVAL



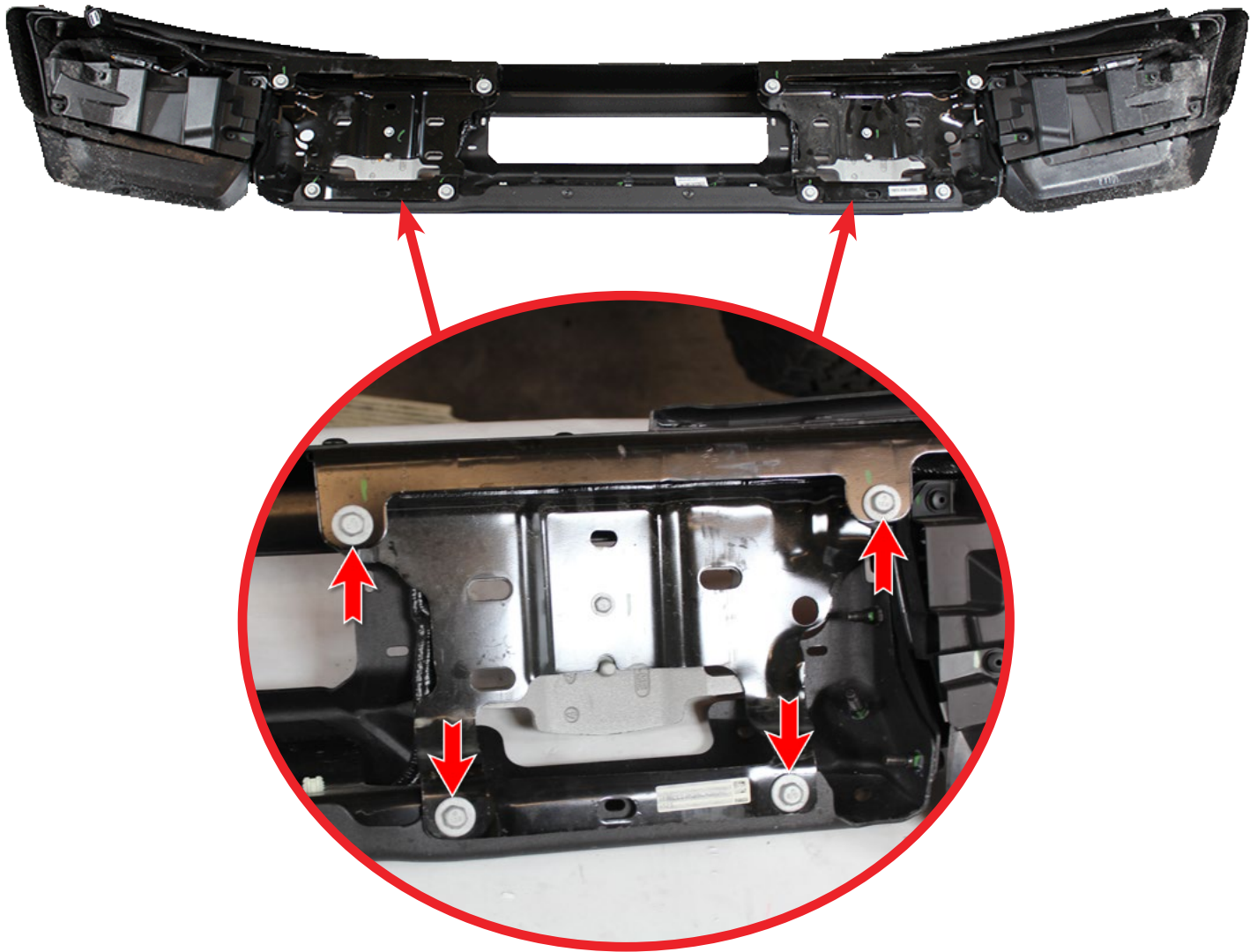
BOMBER FRONT BUMPER

23+/**FORD BRONCO RAPTOR**

STEP 9

Remove the tow hook brackets using a (10mm socket).

REMOVAL



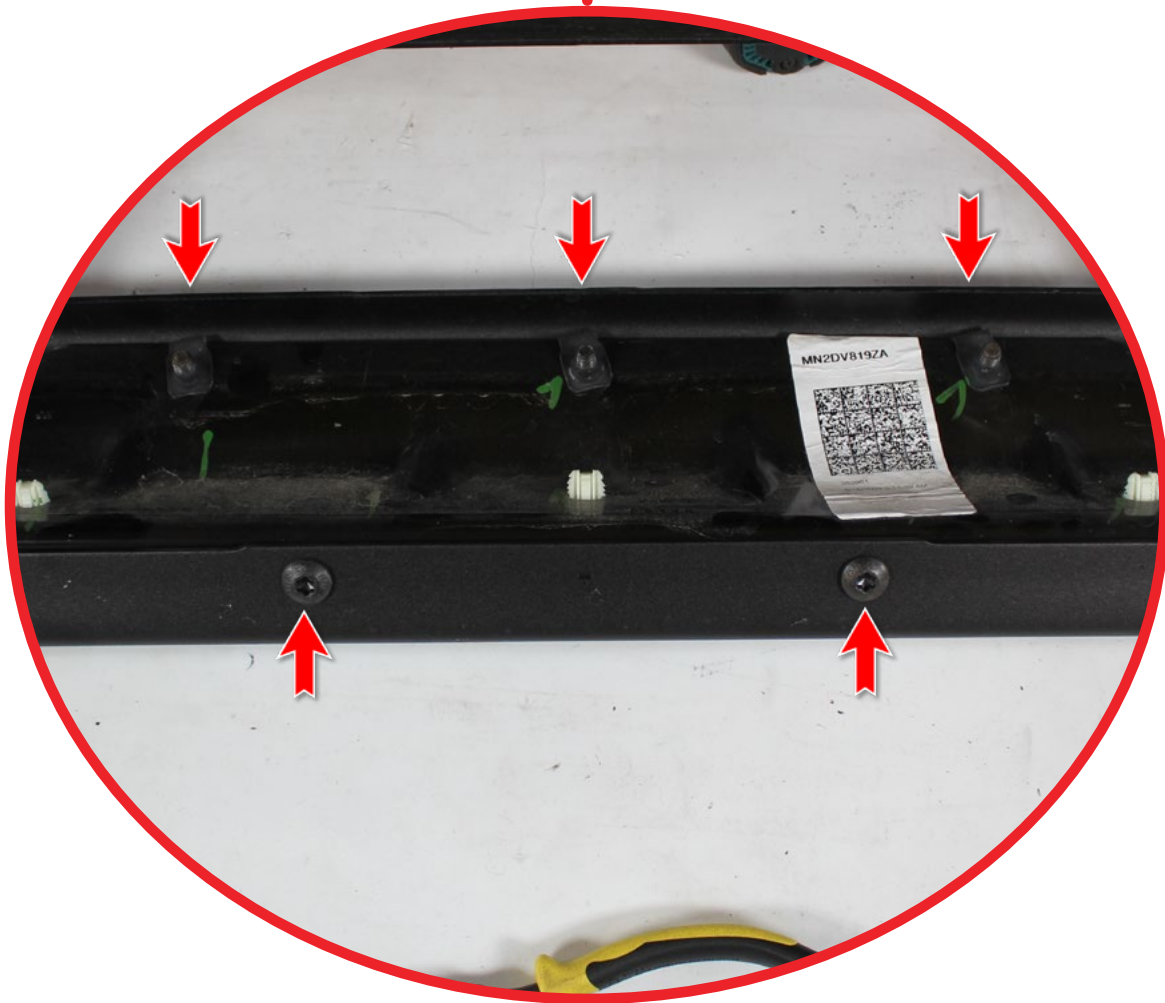
BOMBER FRONT BUMPER

23+ / FORD BRONCO RAPTOR

□ STEP 10

Remove the 5x bolts holding the middle plate using a (T40).

REMOVAL



BOMBER FRONT BUMPER

23+ / FORD BRONCO RAPTOR

□ STEP 11

Remove all of the front and top face bolts that are indicated below using a (T40).

REMOVAL



BOMBER FRONT BUMPER

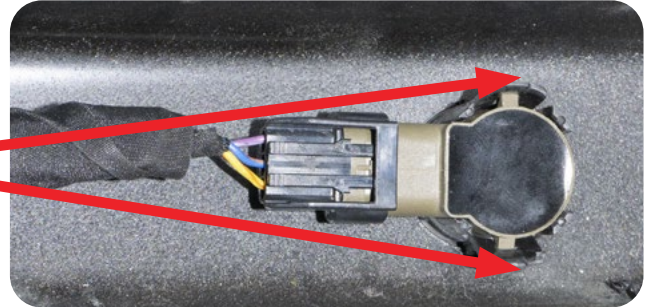
23+ / FORD BRONCO RAPTOR

□ STEP 12

You can now remove the wire harness by removing the sensors and sensor bezels by follow the images below. ****Remember the orientation for this will be important in step 13****

REMOVAL

SPREAD THE TABS ON EACH SIDE OF THE SENSOR TO RELEASE IT AND PULL OUT



SQUEEZE TOGETHER ON THE INSIDE OF THE BUMPER THEN PUSH OUT

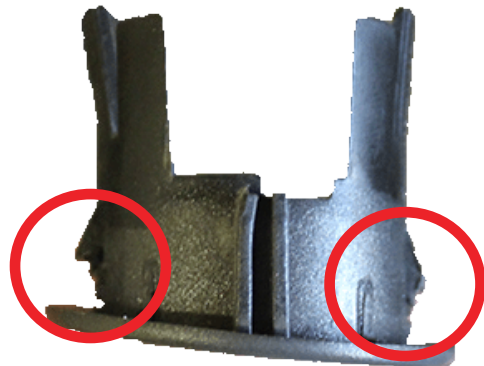
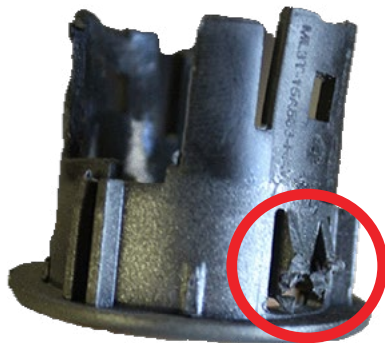
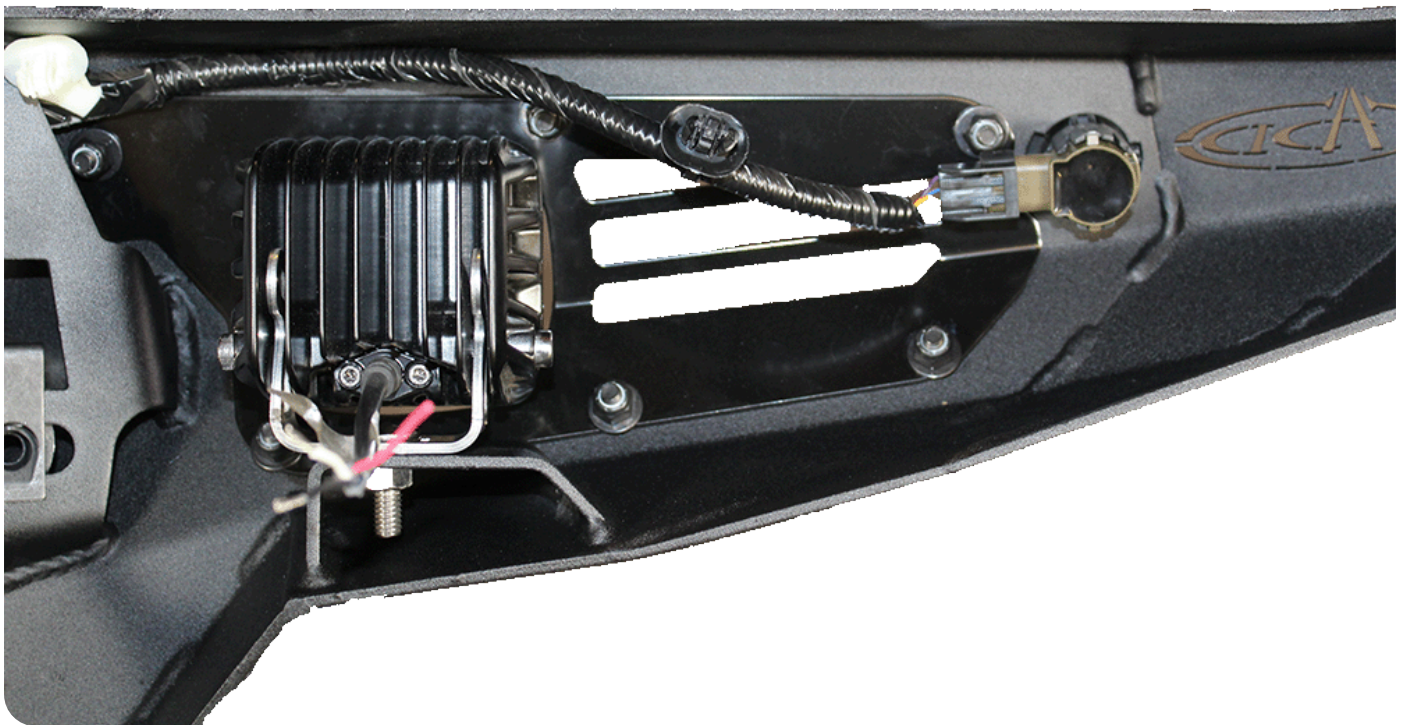


BOMBER FRONT BUMPER

23+/**FORD BRONCO RAPTOR**

STEP 13

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****





INSTALLATION GUIDE

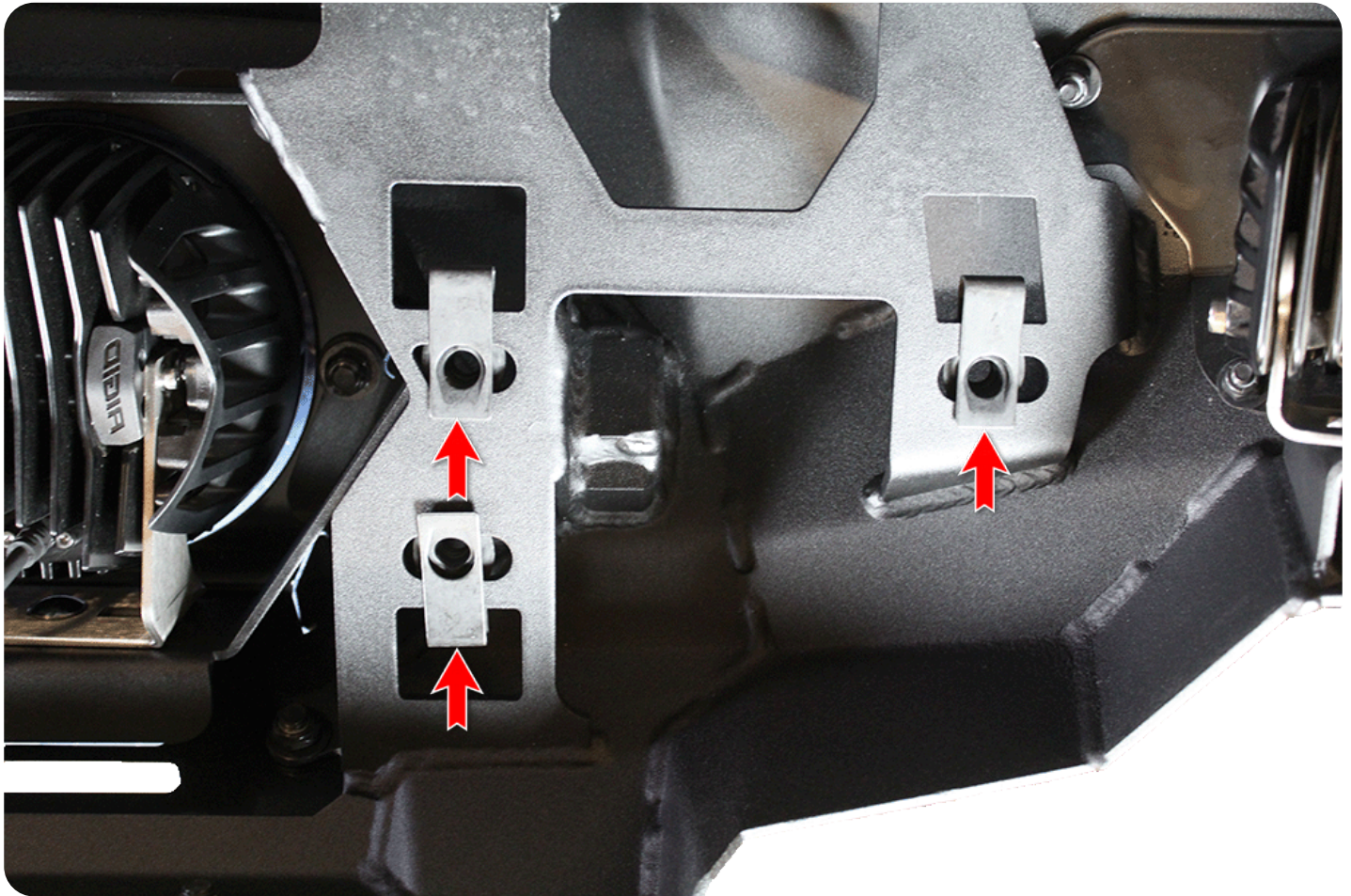
BOMBER FRONT BUMPER

23+/**FORD BRONCO RAPTOR**

STEP 14

Install the U-nut clips in the provided mounting slots.

INSTALLATION



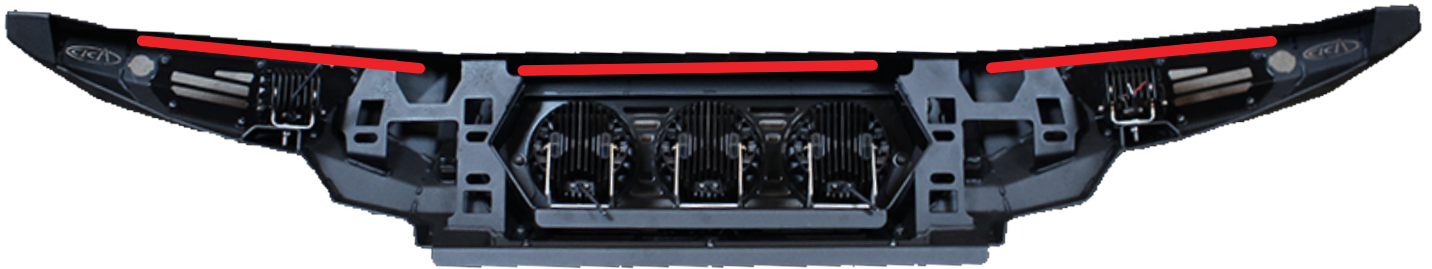
BOMBER FRONT BUMPER

23+/**FORD BRONCO RAPTOR**

STEP 15

Install the wiring harness along the top of the bumper. Unplug the outer sensors to pass through the back side of the mounting plate.

INSTALLATION





INSTALLATION GUIDE

BOMBER FRONT BUMPER

23+ / FORD BRONCO RAPTOR

□ STEP 16

You can now install the bumper with the 6x provided 3/8" hex head bolts, and washers using a (9/16 socket/wrench).

INSTALLATION



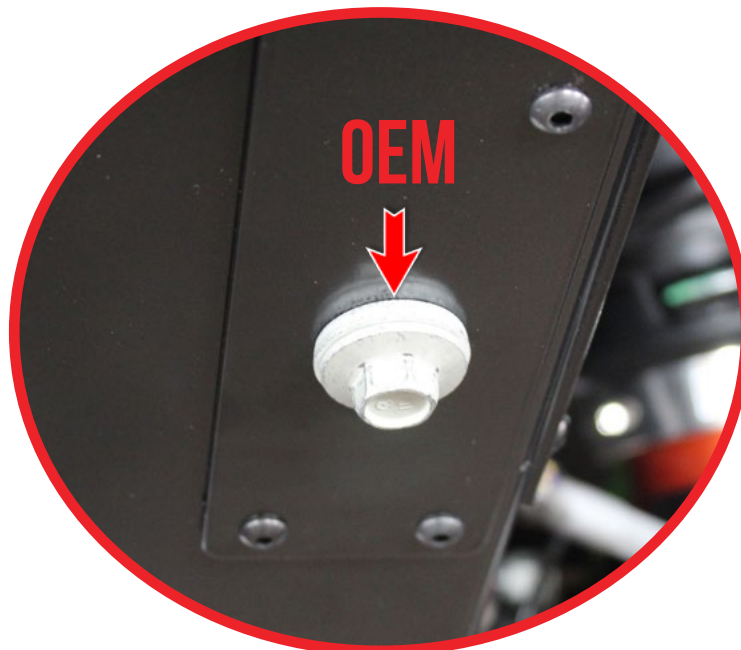
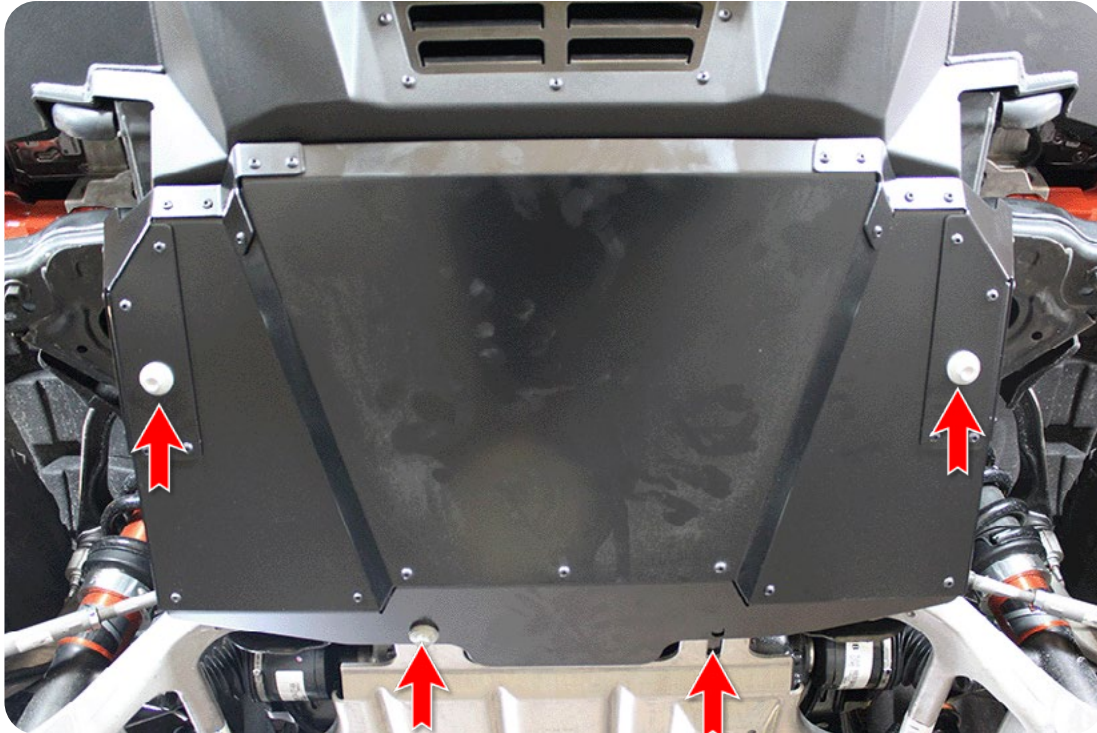
BOMBER FRONT BUMPER

23+ / FORD BRONCO RAPTOR

□ STEP 17

Install the skid plate using the same mounting holes with the same OEM hardware using a (15mm socket).

INSTALLATION





INSTALLATION GUIDE

BOMBER FRONT BUMPER 23+ / FORD BRONCO RAPTOR

FINAL

STEP 1

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
WWW.ADDICTIVEDESERTDESIGNS.COM/PATENTS

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