



INSTALLATION GUIDE

23+/FORD BRONCO RAPTOR ROCK FIGHTER REAR 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 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- Nylon Lock Nuts (3/4-10")
- 4- Flat Washers (3/4")
- 2- Nylon Lock Nuts (1/2-13")
- 2- Button Head Bolts (1/2-13 X 1 1/2")
- 2- Flat Washer (1/2")
- 4- Hex Head Bolts (3/8-16 x 1 1/4")
- 4- Flat Washers (3/8")

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

ROCK FIGHTER REAR BUMPER

23+ / FORD BRONCO RAPTOR

STEP 1

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

REMOVAL





INSTALLATION GUIDE

ROCK FIGHTER REAR BUMPER

23+ / FORD BRONCO RAPTOR

□ STEP 2

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

REMOVAL



ROCK FIGHTER REAR BUMPER

23+/**FORD BRONCO RAPTOR**

STEP 3

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

REMOVAL



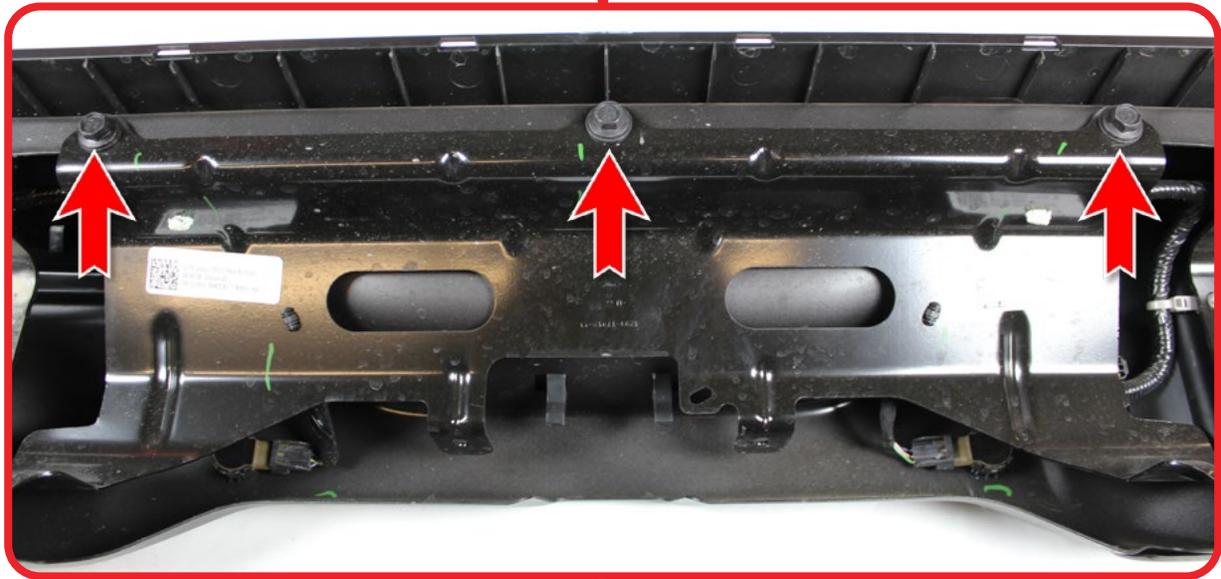
ROCK FIGHTER REAR BUMPER

23+ / FORD BRONCO RAPTOR

□ STEP 4

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

REMOVAL



ROCK FIGHTER REAR BUMPER

23+ / FORD BRONCO RAPTOR

STEP 5

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

REMOVAL



ROCK FIGHTER REAR BUMPER

23+/**FORD BRONCO RAPTOR**

STEP 6

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

REMOVAL



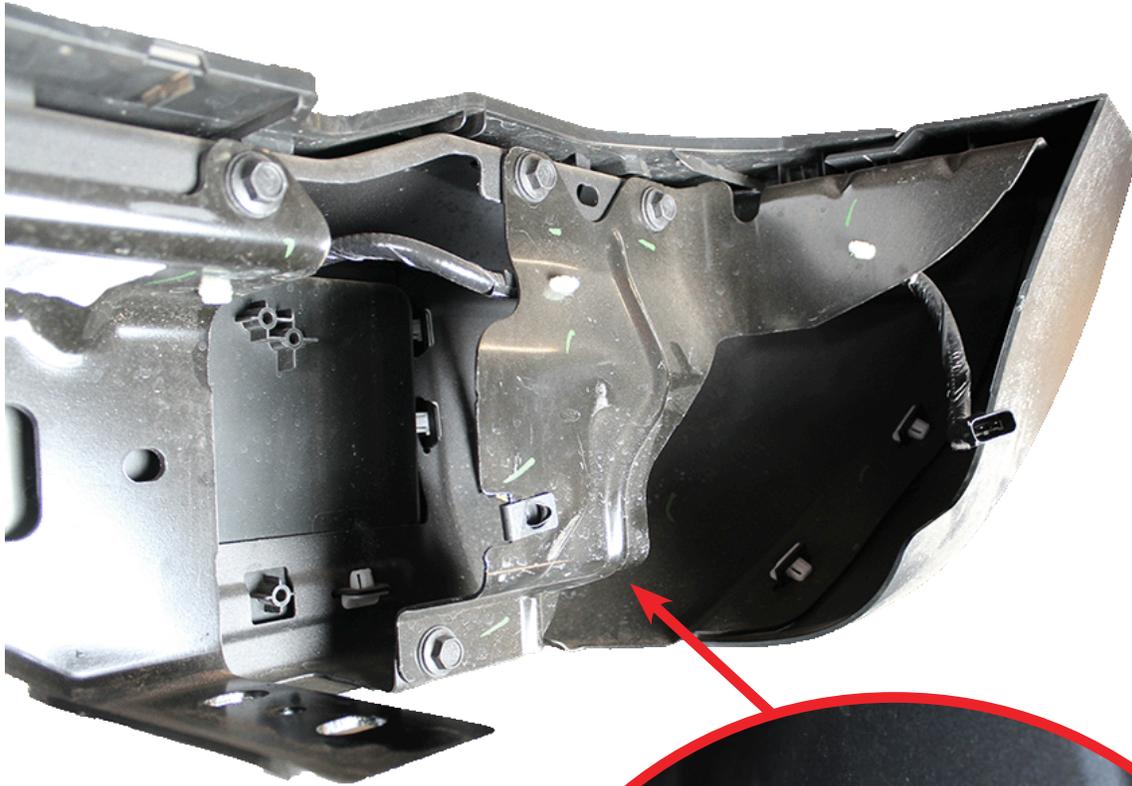
ROCK FIGHTER REAR BUMPER

23+ / FORD BRONCO RAPTOR

□ STEP 7

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

REMOVAL





INSTALLATION GUIDE

ROCK FIGHTER REAR BUMPER

23+/**FORD BRONCO RAPTOR**

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).

INSTALLATION

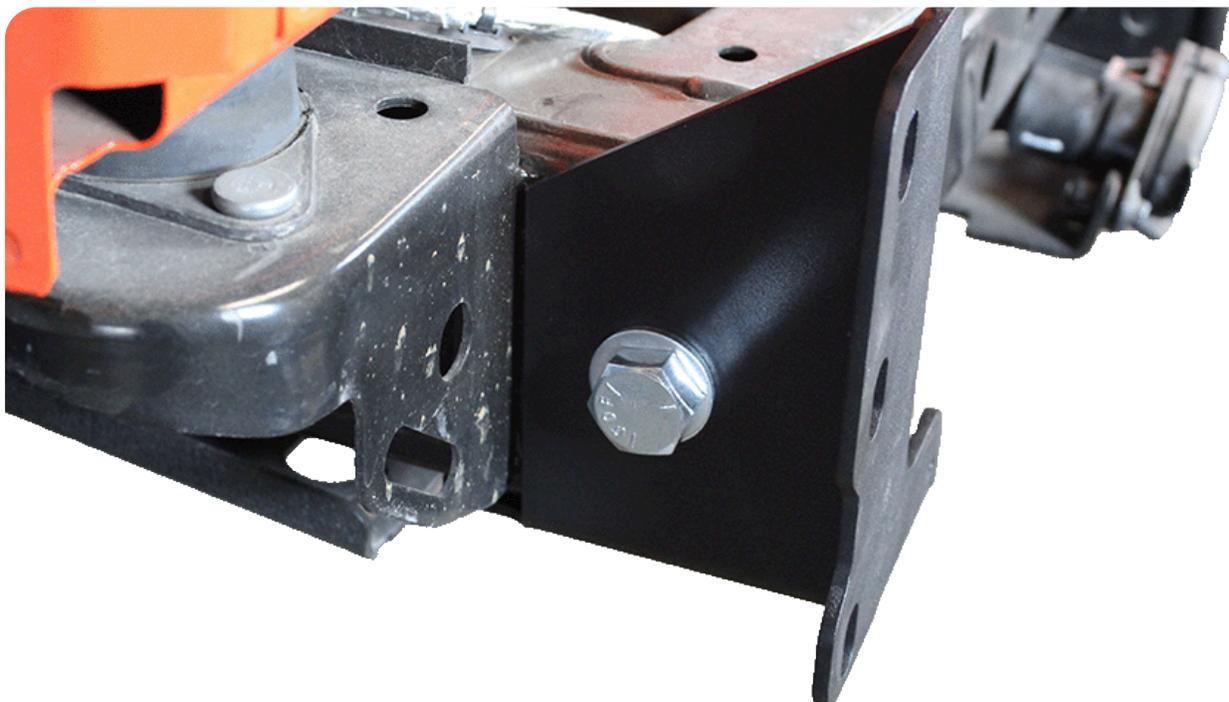
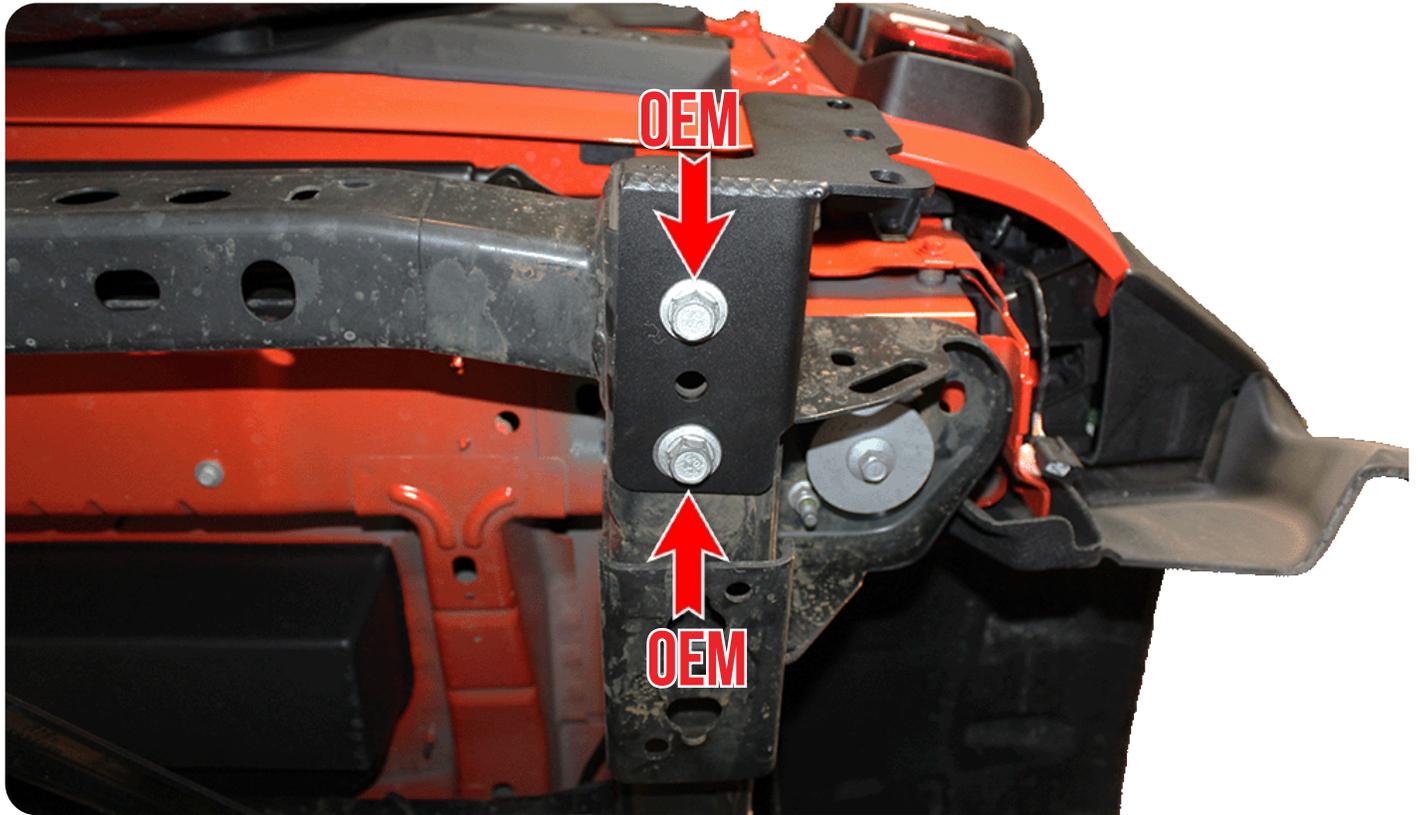




INSTALLATION GUIDE

ROCK FIGHTER REAR BUMPER
23+ / FORD BRONCO RAPTOR

INSTALLATION

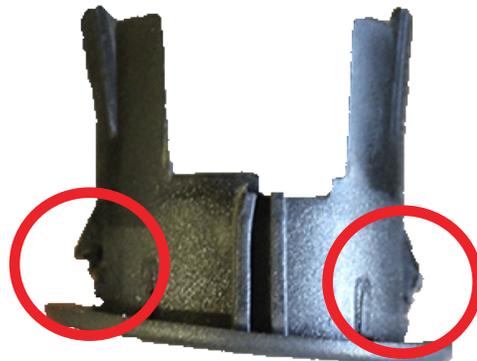
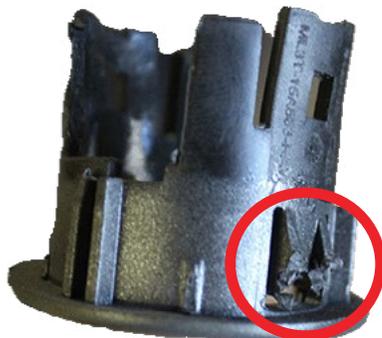


ROCK FIGHTER REAR BUMPER

23+ / FORD BRONCO RAPTOR

□ STEP 9

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****



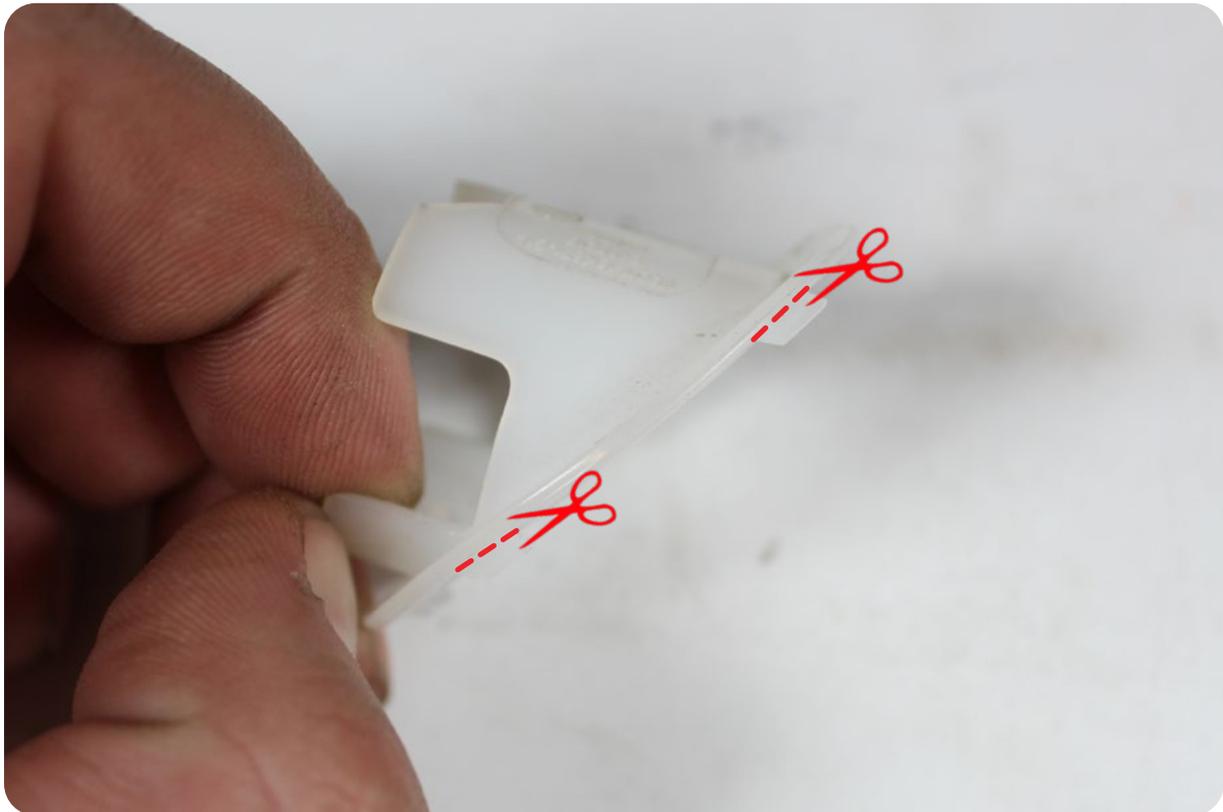
ROCK FIGHTER REAR BUMPER

23+ / FORD BRONCO RAPTOR

□ STEP 10

For the outer sensor bezels, trim the tabs on the backer by using a (flat file) and install the sensor bezels in the same orientation as OEM. Now you can install the wire harness and push the sensors into the bezels.

INSTALLATION

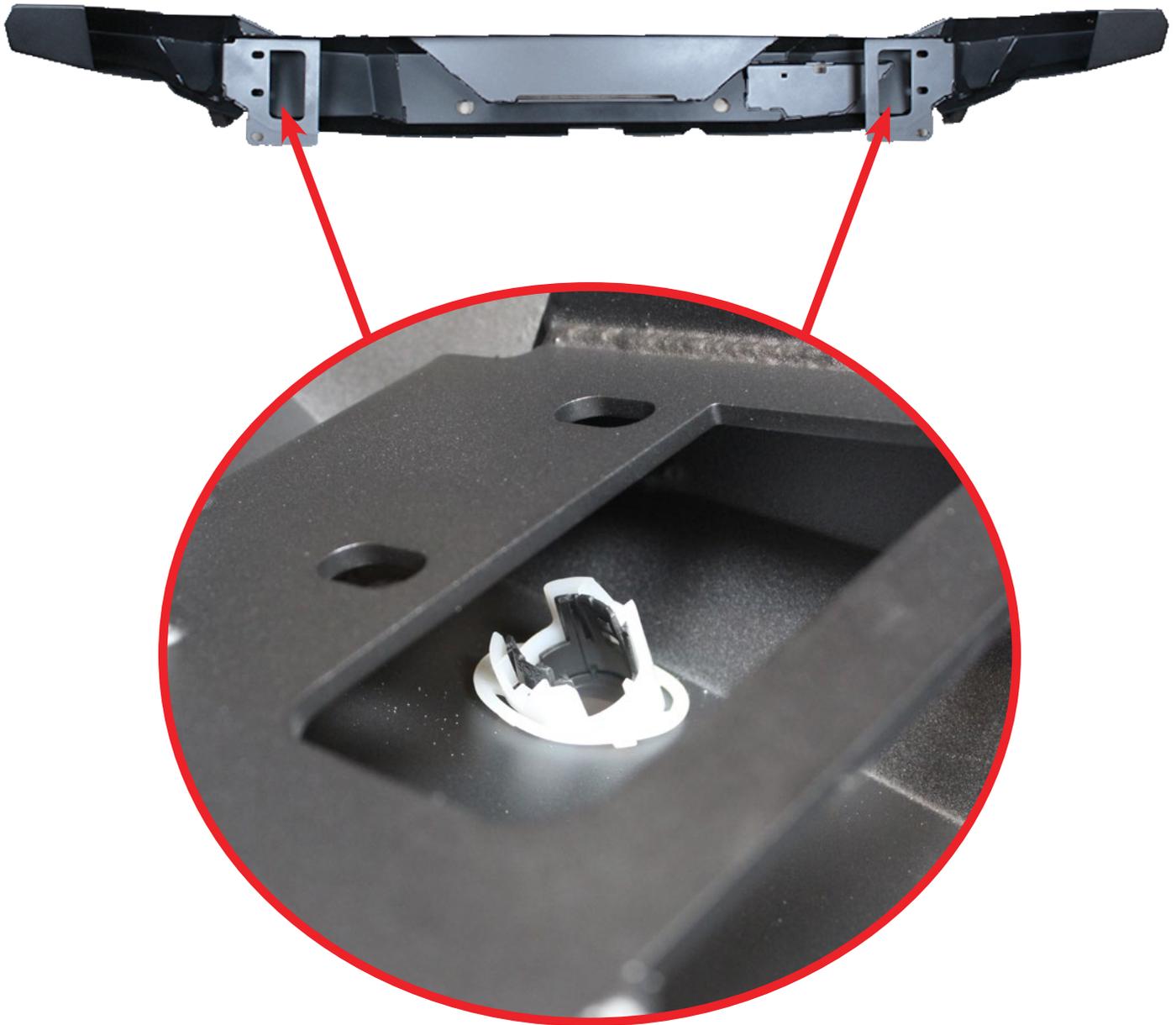




INSTALLATION GUIDE

ROCK FIGHTER REAR BUMPER
23+ / FORD BRONCO RAPTOR

INSTALLATION



ROCK FIGHTER REAR BUMPER

23+ / FORD BRONCO RAPTOR

□ STEP 11

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

INSTALLATION



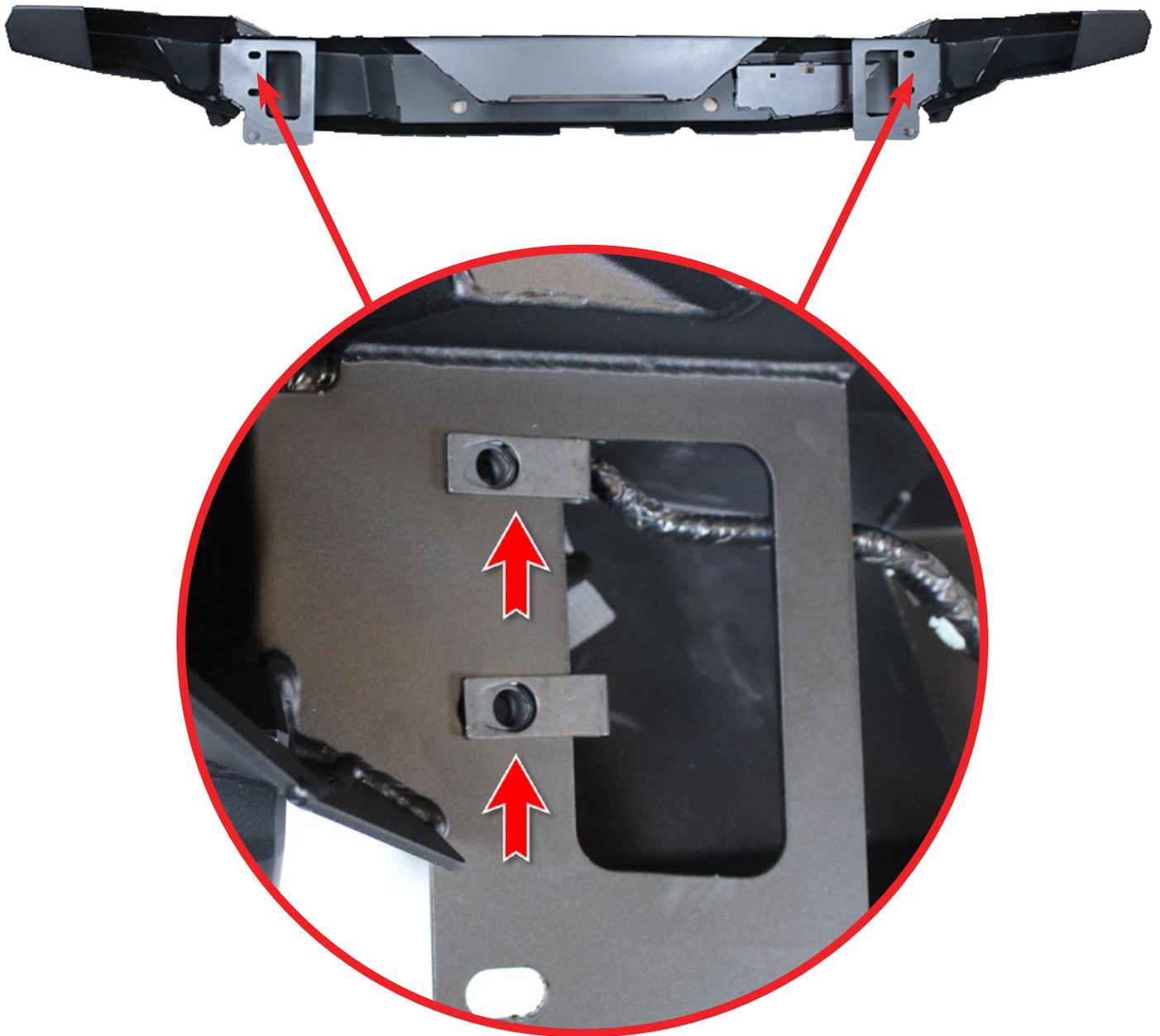
ROCK FIGHTER REAR BUMPER

23+ / FORD BRONCO RAPTOR

□ STEP 12

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

INSTALLATION





INSTALLATION GUIDE

ROCK FIGHTER REAR BUMPER

23+/FORD BRONCO RAPTOR

STEP 13

Route the wire harness plug-in through the slot on the mount plate as shown below. (Repeat on other side).

INSTALLATION

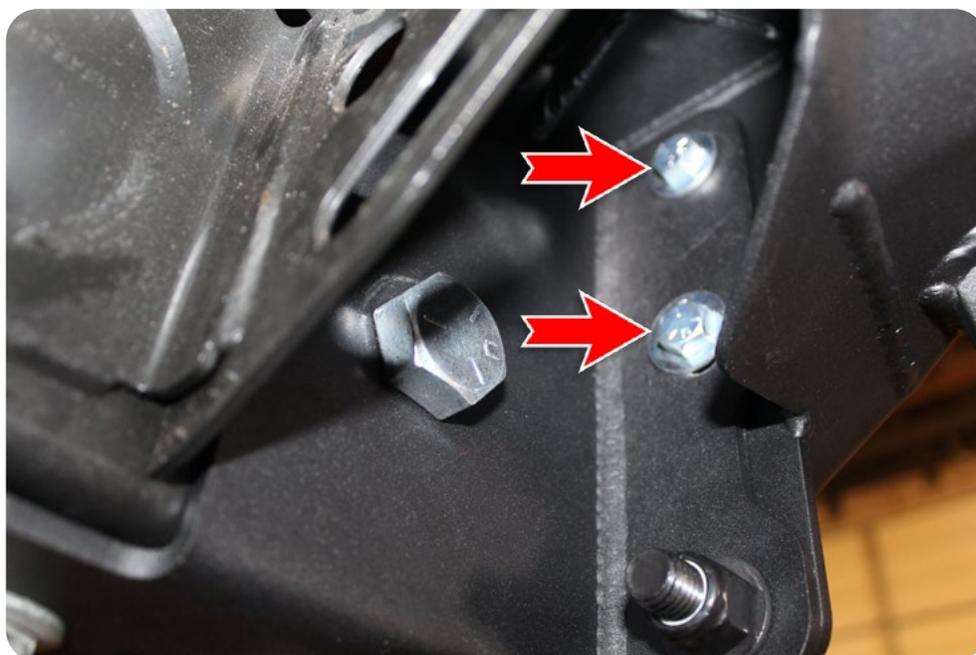
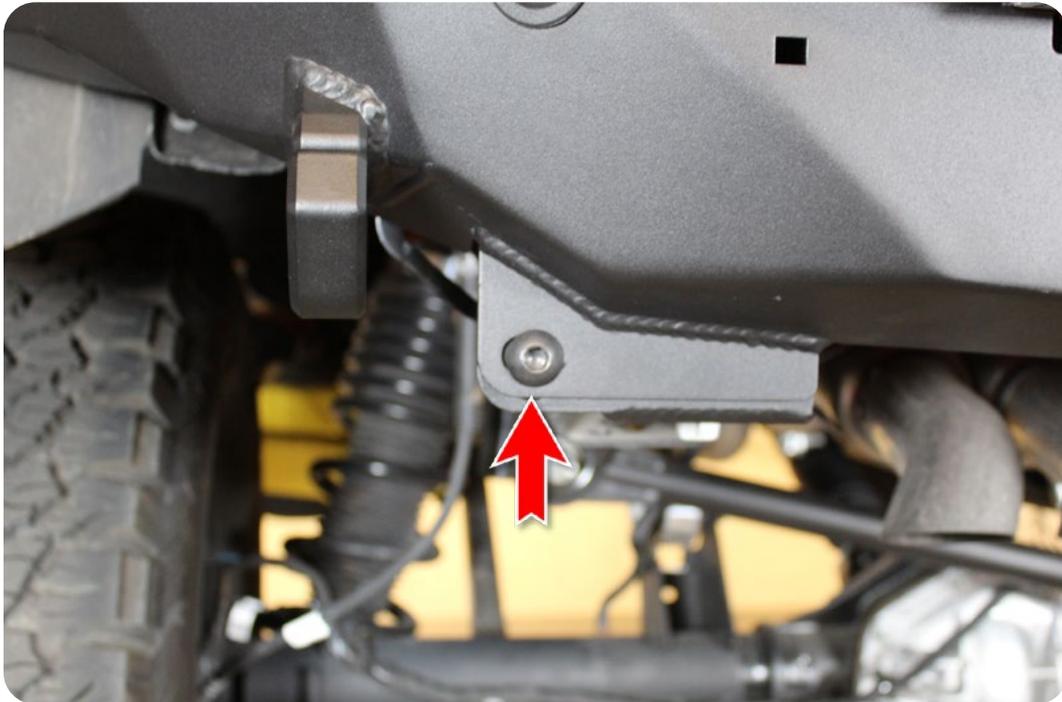


ROCK FIGHTER REAR BUMPER

23+ / FORD BRONCO RAPTOR

□ STEP 14

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).



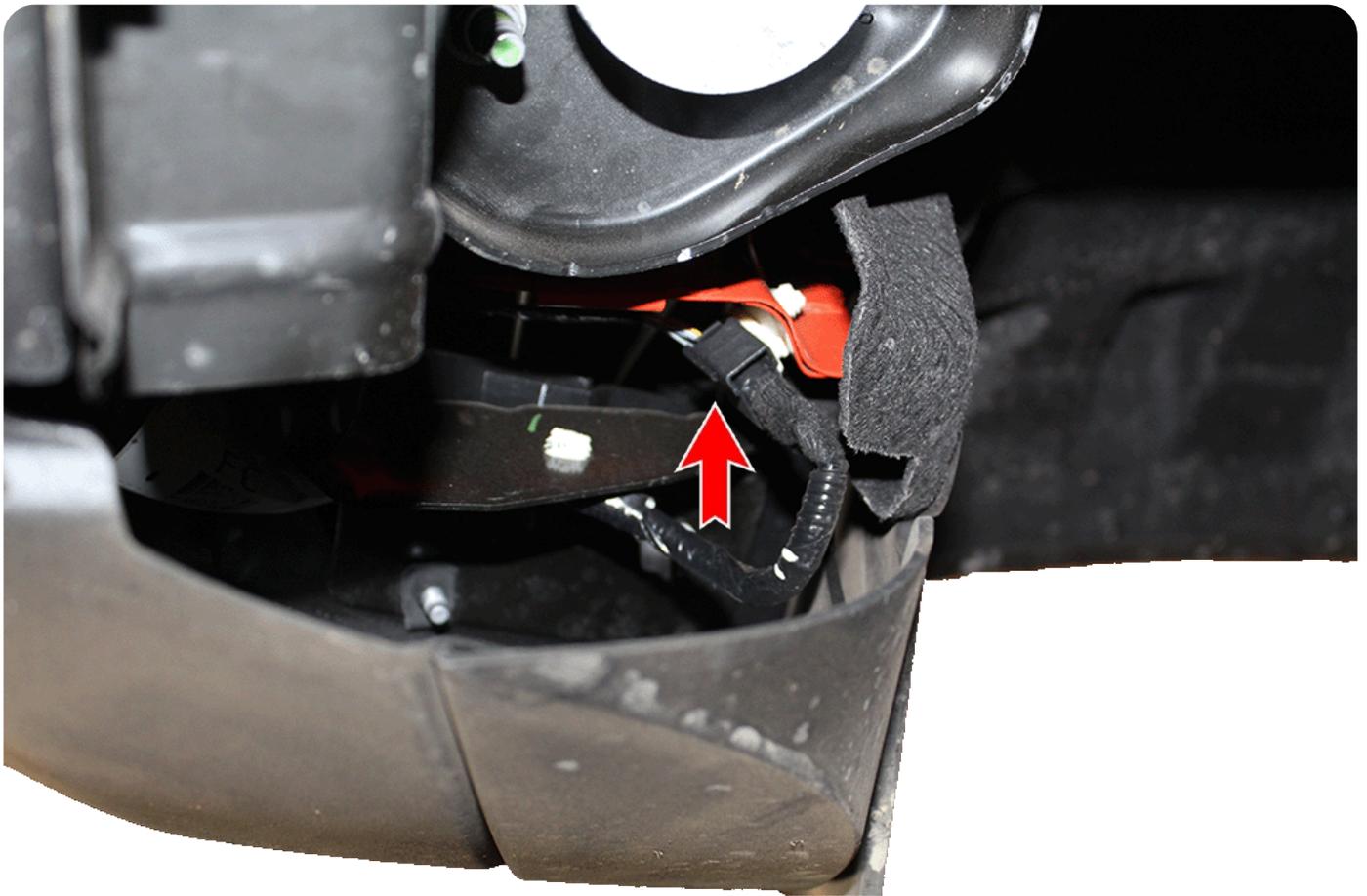
ROCK FIGHTER REAR BUMPER

23+/**FORD BRONCO RAPTOR**

STEP 15

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

INSTALLATION





INSTALLATION GUIDE

ROCK FIGHTER REAR BUMPER

23+/**FORD BRONCO RAPTOR**

FINAL

STEP 1

Stand back and enjoy your new ADD Rock Fighter™ rear bumper.

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



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EMAIL INFO@ADDICTIVEDESERTDESIGNS.COM