

22+/FORD F-150

PRO-BOLT ON 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 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

- 4- Nylon Lock Nuts (1/2-13")
- 4- Button Head Bolts (1/2-13 X 1 1/2")
- 4- Flat Washer (1/2")
- 8- Nylon Lock Nuts (1/4-20")
- 8- Button Head Bolts (1/4-20 X 1")
- 8- Flat Washer (1/4")
- 4- Hex Head Bolt (3/8-16 x 1 1/2")
- 4- Flat Washers (3/8")
- 4- U-nut (3/8-16")



TOOLS REQUIRED

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

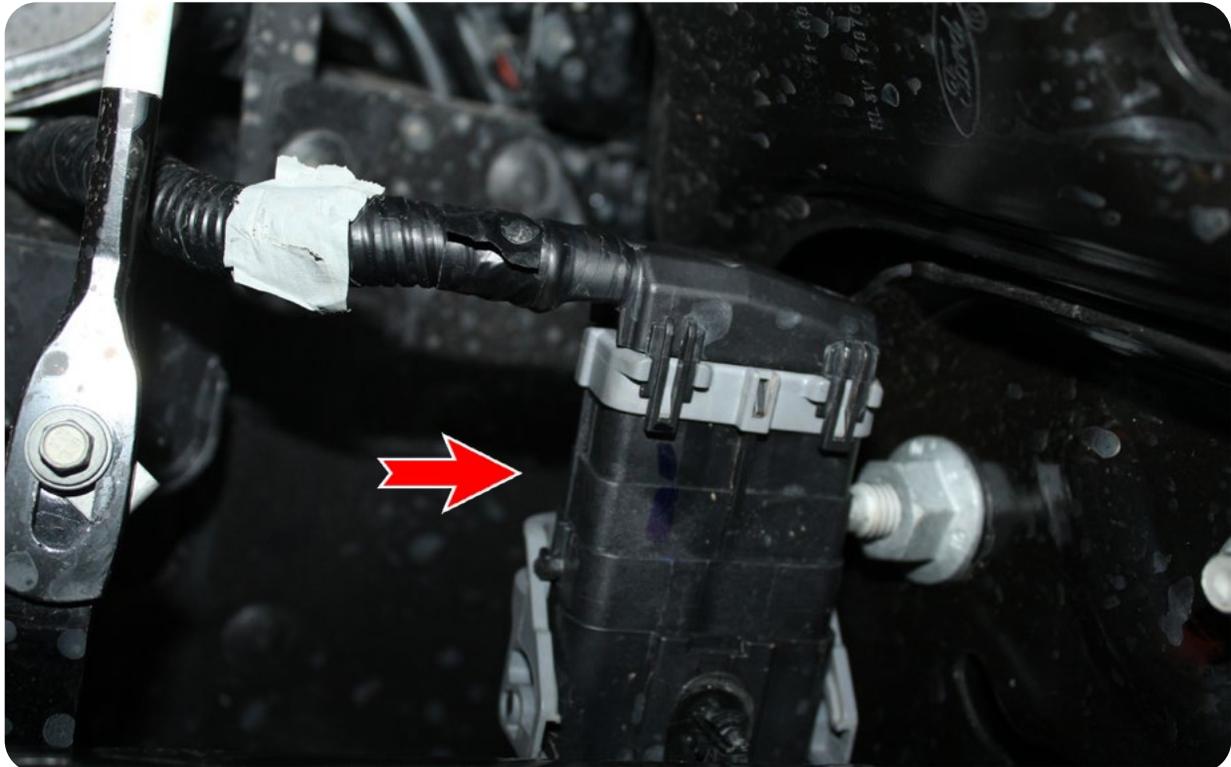
STEALTH FIGHTER REAR

22/TOYOTA TUNDRA

□ STEP 1

Unplug the main wire harness located on the passenger side by pulling the gray tab back as shown below.

REMOVAL



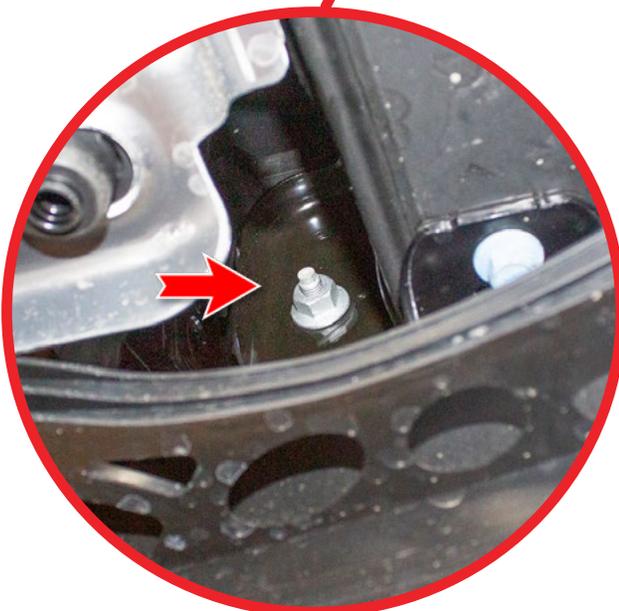
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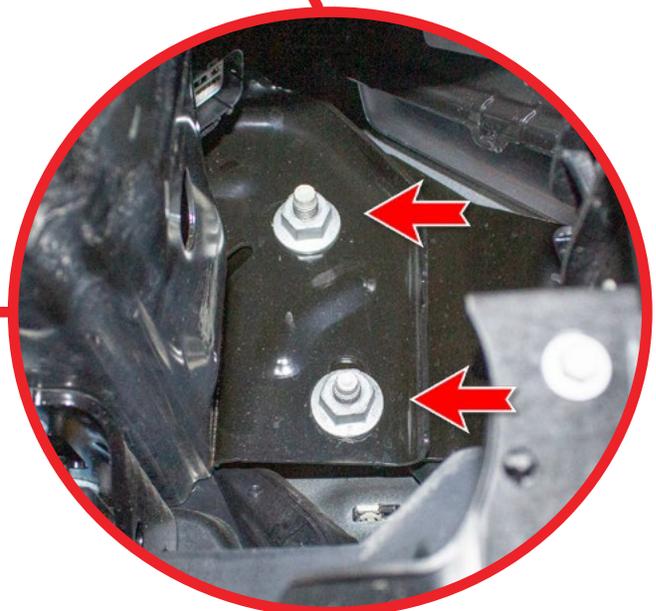
STEP 2

Remove the mounting bolts located on the frame horn using a (21mm Socket). (Repeat on other side)

REMOVAL



INSIDE



OUTSIDE

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STEP 3

Remove the inter cooler guard bolts by using a (10mm socket). (Repeat on other side)

REMOVAL



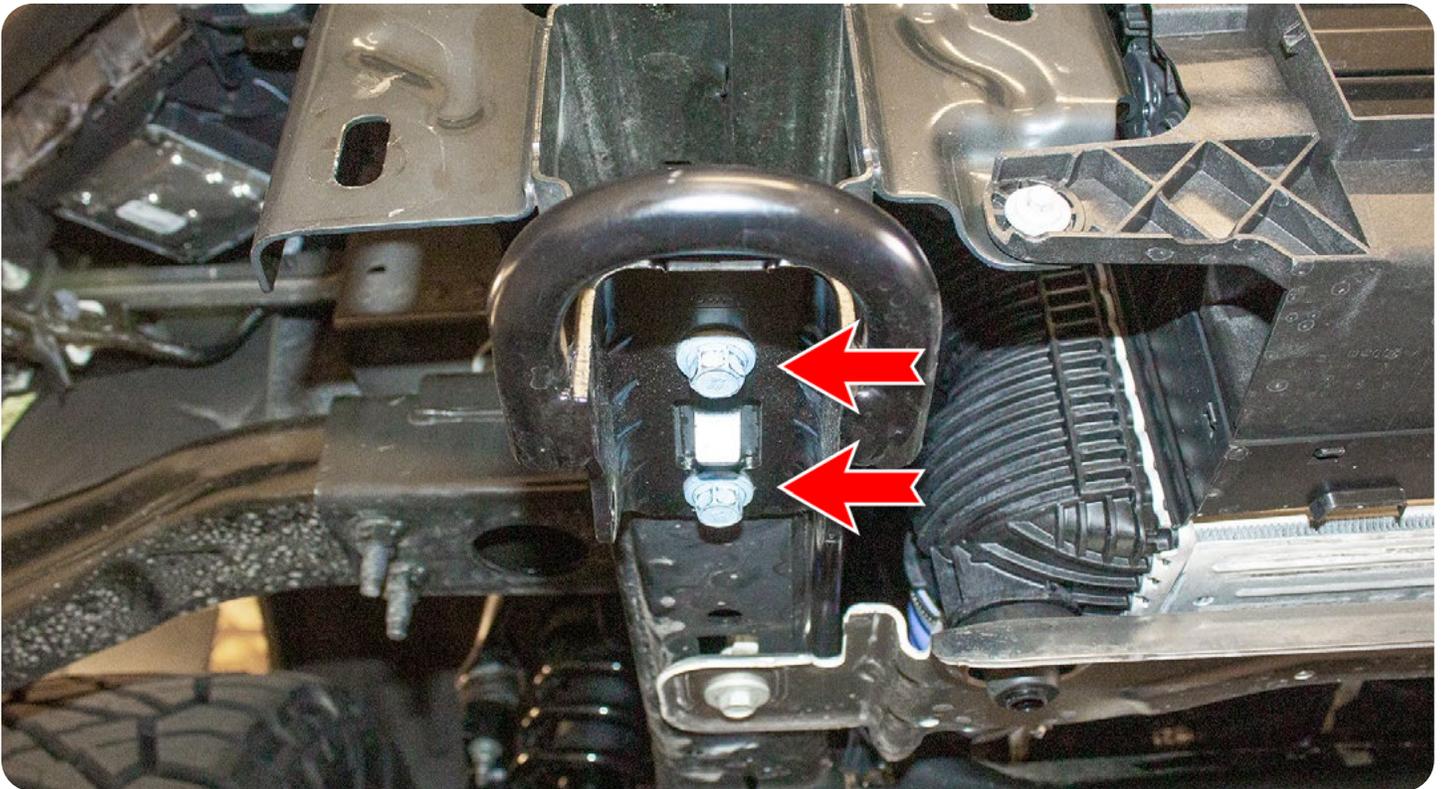
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STEP 4

Remove the tow hooks by using a (15mm socket). ****This is optional****

REMOVAL



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□ STEP 5

Using a (jigsaw) cut off the crash bars located on each side of the vehicle. ****Paint over the new existing hole****

REMOVAL



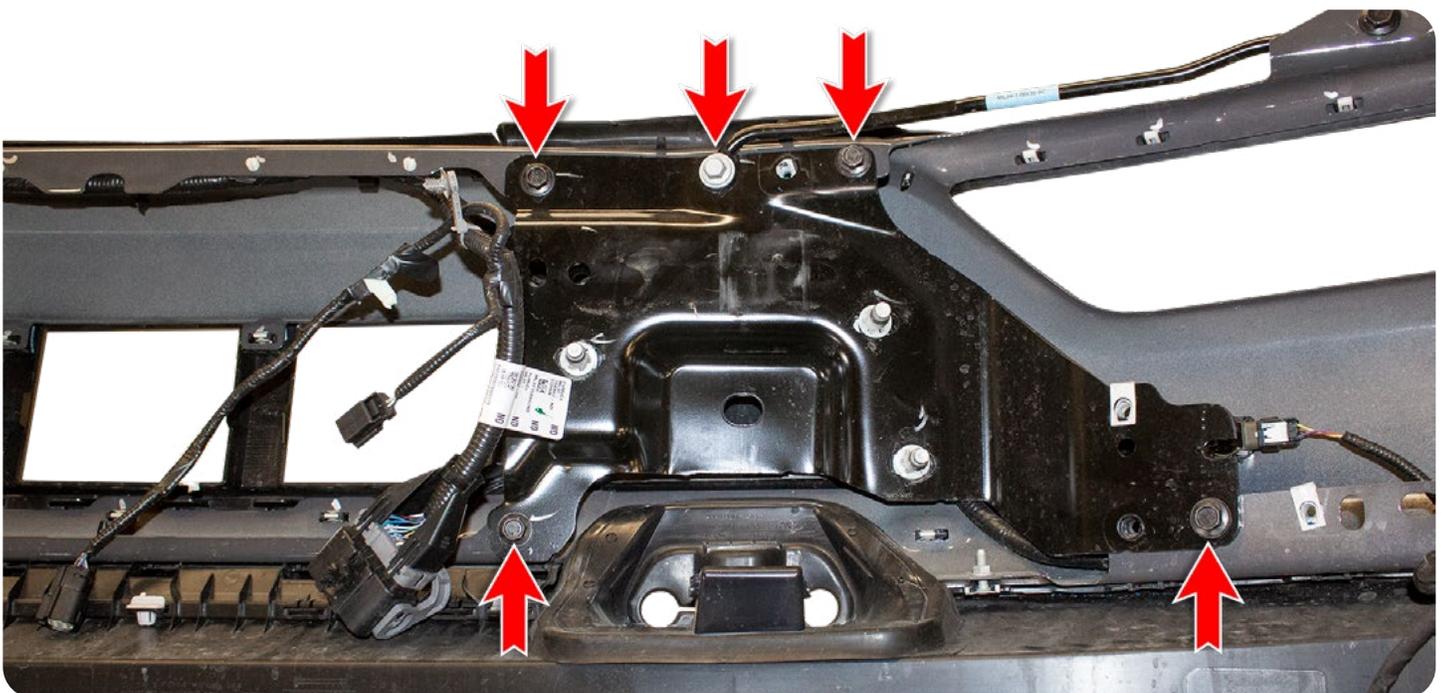
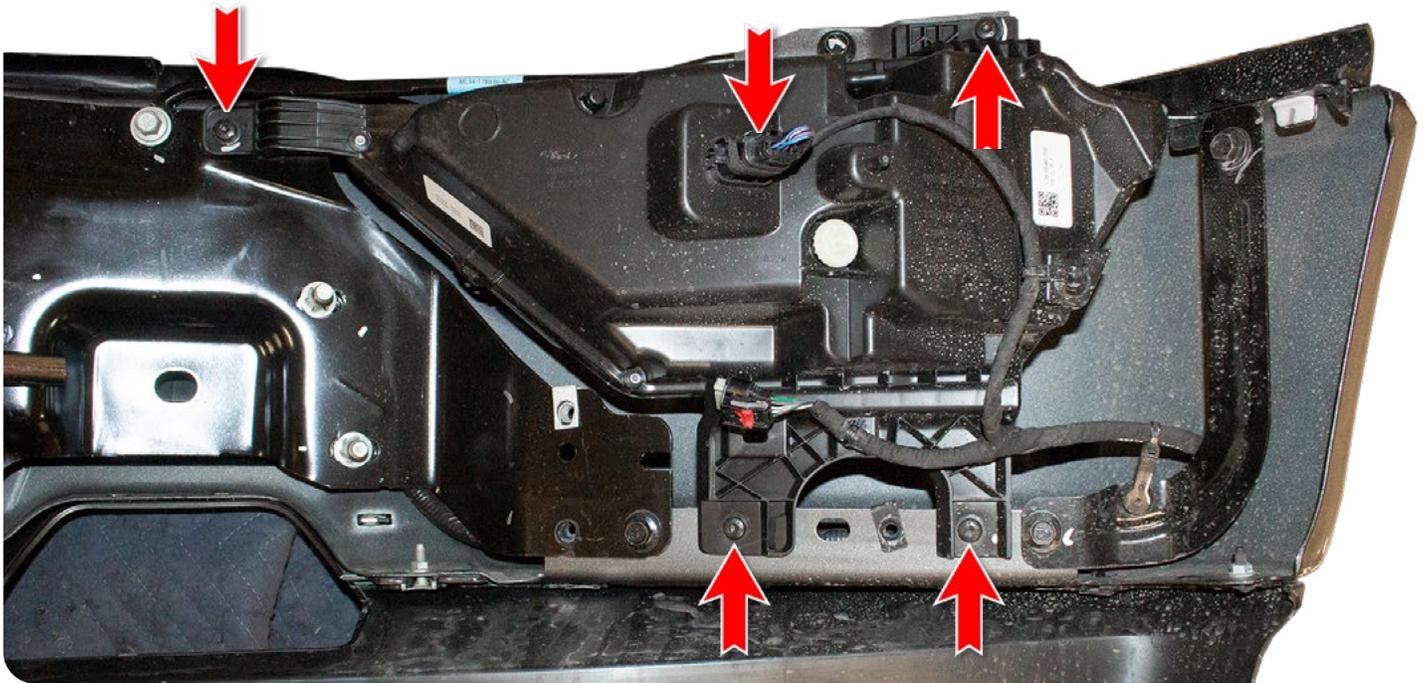
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□ STEP 6

Using a (10mm socket and a T30 torx), remove the fog lights and covers to expose the wire harness.

REMOVAL



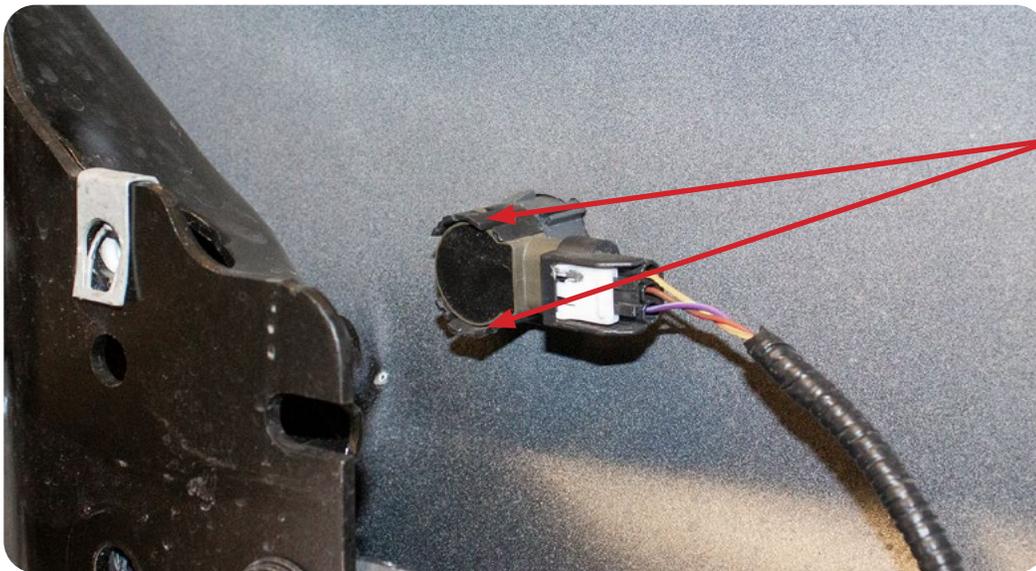
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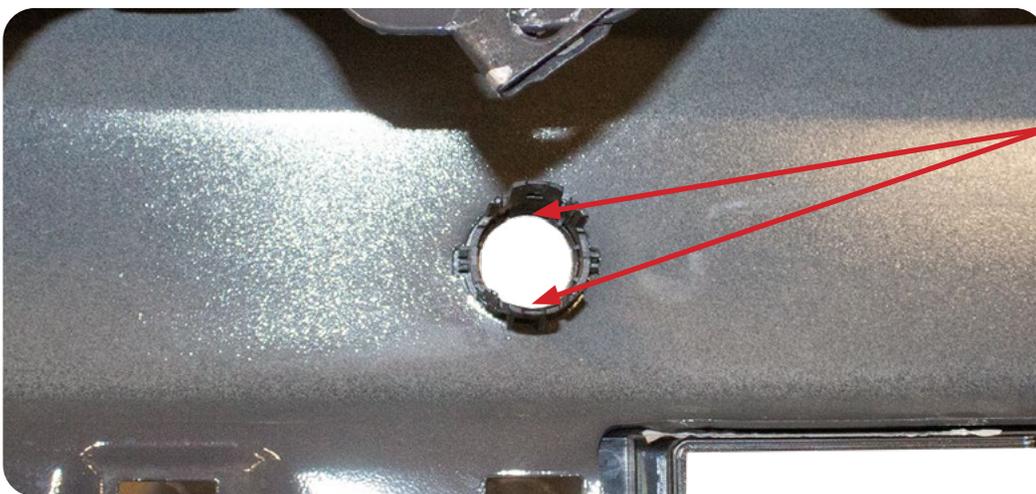
□ STEP 7

Remove the parking sensors and bezels from the stock bumper, You can now remove the wire harness and set aside for install. ****Remember the location and orientation after removal for this will be important later on in the install****

REMOVAL



**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.**

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STEP 8

If your sensor bezels do not click into place, you may have to trim the mounting tabs to accommodate for the thickness of the material on your new bumper.

REMOVAL

BEFORE



TRIM HERE

AFTER



STEP 9

If you have an adaptive cruise control module to relocate, now is a good time to do so. For more information, follow our adaptive cruise control relocation bracket install guide, which can be found here;

<https://www.addictivedesertdesigns.com/files/install/ADD-2021-F150-ACC-Bracket-Installation-Instructions.pdf>

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□ STEP 10

Install the parking sensor mounts using the 1/4" button head bolts, washers, and nylon lock nuts using a (5/32 allen) and (7/16 wrench). (Repeat on other side) ****If you have six sensors, install the other provided sensor mounts****



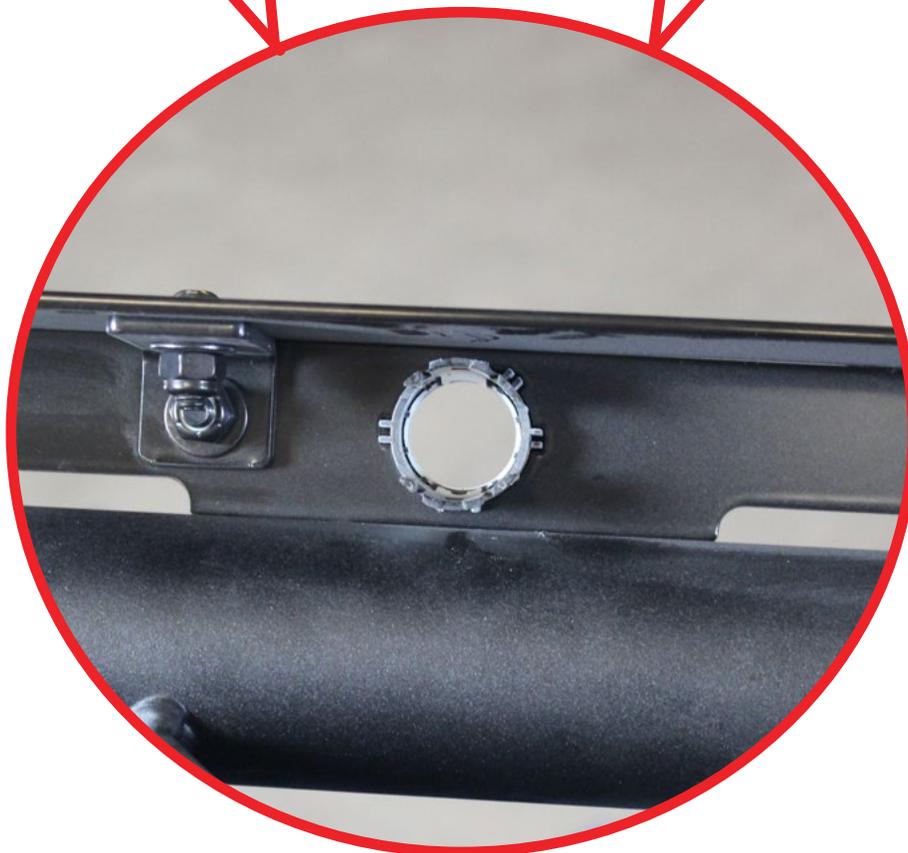
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□ STEP 11

Install the sensor bezels in the same orientation from the stock bumper. ****If the bezels do not click into place refer to step 8****

INSTALLATION



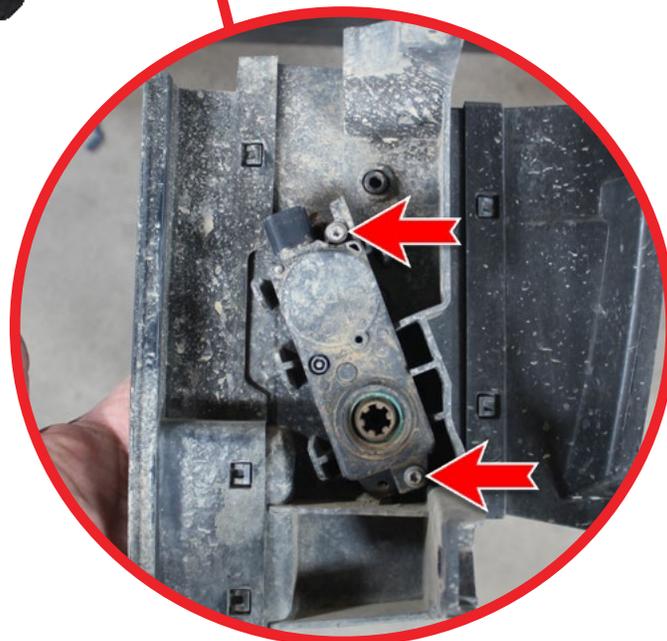
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□ STEP 12

Remove the shutter motor from the guard using a (T20 torx). Plug in and zip tie the shutter motor to the wire harness on your ADD bumper.

INSTALLATION



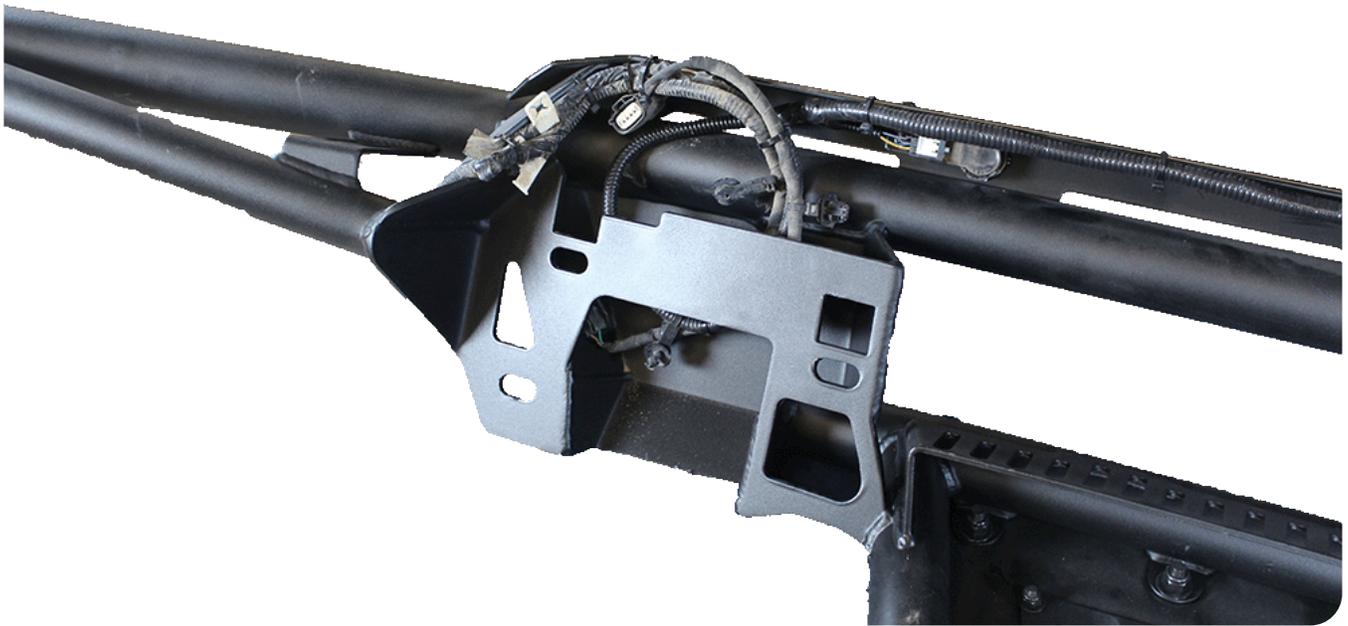
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□ STEP 13

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

INSTALLATION





INSTALLATION GUIDE

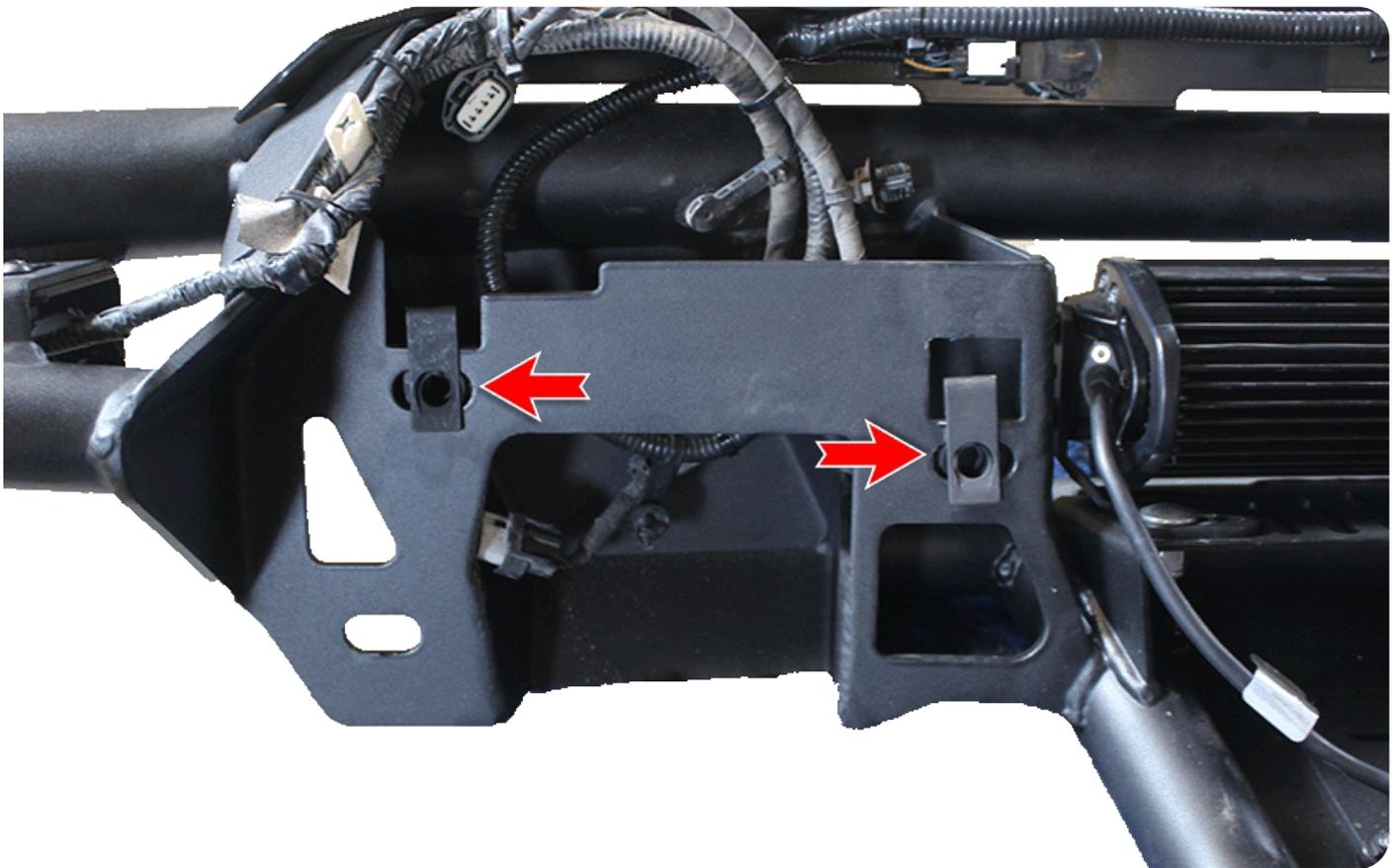
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STEP 14

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

INSTALLATION





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□ STEP 15

You can now install your Pro-Bolt On™ front bumper with the provided 1/2" button head bolts, washers, and nylon lock nuts using a (5/16 allen) and (3/4 wrench). Install the provided 3/8" hex head bolts, washers, and nylon lock nuts using a (9/16 socket).

INSTALLATION



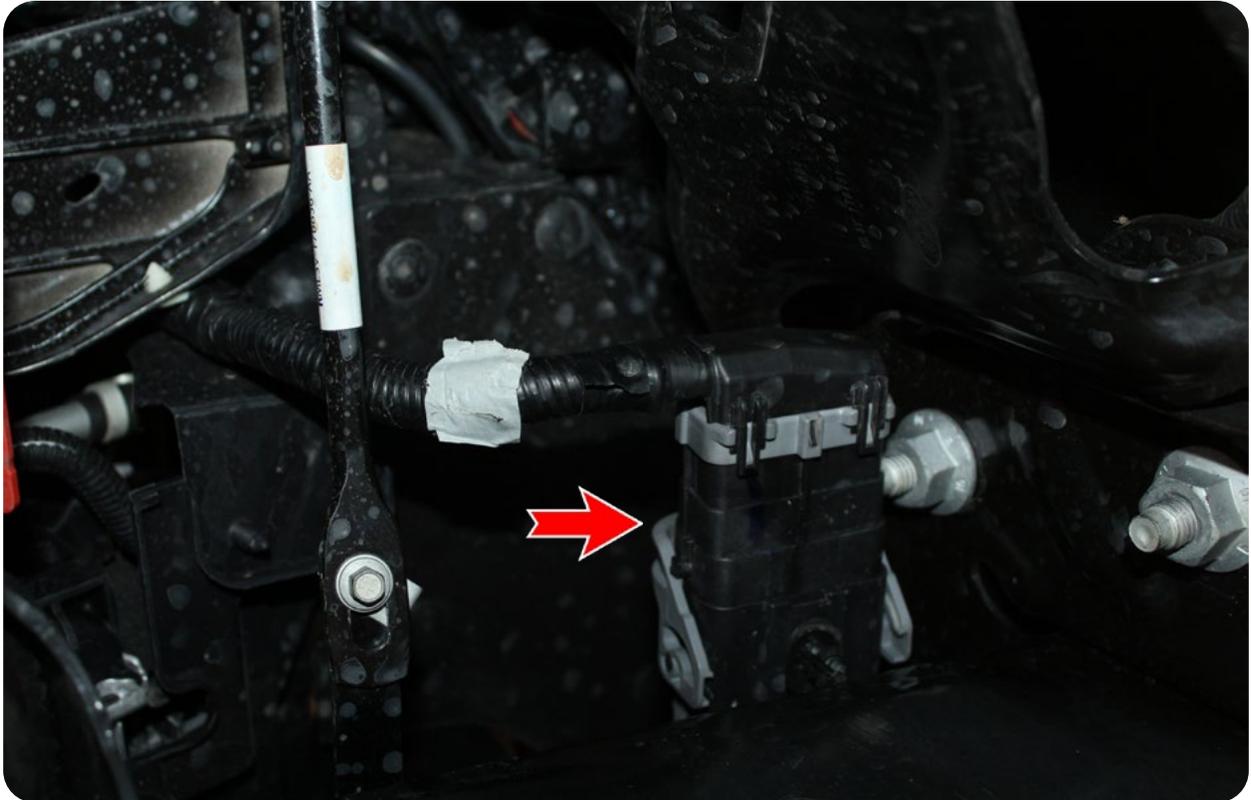
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□ STEP 16

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

INSTALLATION





INSTALLATION GUIDE

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STEP 17

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

INSTALLATION





INSTALLATION GUIDE

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FINAL

STEP 18

Stand back and enjoy your new ADD Pro-Bolt on™ Front Bumper.

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



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EMAIL INFO@ADDICTIVEDESERTDESIGNS.COM