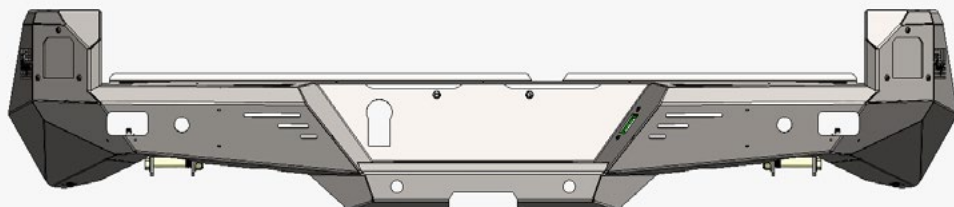


REAR BUMPER

2024/TOYOTA TACOMA

R6702350901NA



TOOLS REQUIRED

- 10mm, 12mm, 7/16, 9/16, 3/4 sockets
- 10mm, 12mm, 7/16, 9/16, 3/4 wrenches
 - 5/32, 7/32 Allen
- Flathead Screwdriver
- Needle nose Pliers
 - Grinder
- Black Spray Paint
- Razor



SKILL LEVEL

- Easy/Medium



TIME REQUIRED

- Approximately 2 Hour

⚠ 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: 830-896-7571

Rago Fabrication 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

A.



1/4-20 X 1 1/4 BUTTON HEAD BOLT

QTY: 6

B.



1/4-20 X 3/4 BUTTON HEAD BOLT

QTY: 2

B1.



1/4-20" NYLON LOCK NUT

QTY: 20

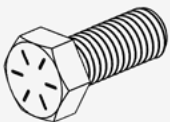
B2.



1/4" FLAT WASHER

QTY: 8

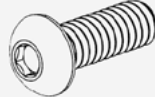
C.



3/8-16 X 1 HEX HEAD BOLT

QTY: 4

D.



3/8-16 X 1 BUTTON HEAD BOLT

QTY: 2

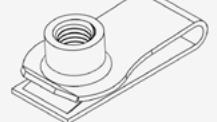
D1.



3/8" FLAT WASHER

QTY: 8

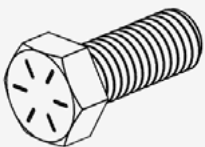
D2.



3/8-16 U-NUT

QTY: 10

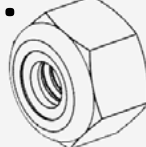
E.



1/2-13 X 4 HEX HEAD BOLT

QTY: 4

E1.



1/2-13 NYLON LOCK NUT

QTY: 4

E2.



1/2" FLAT WASHER

QTY: 8

F.



3M DOUBLE SIDED TAPE

QTY: 8

Reference this page throughout the install



☐ STEP 1

Disconnect the main wiring harness located on the driver side.



☐ STEP 2

Unplug the trailer plug harness.



□ STEP 3

Using a (12mm socket), remove the side support brackets located on the outside of the frame rails.



□ STEP 4

Using a (flathead screwdriver), remove the plastic covers located on top of the OEM bumper.



□ STEP 5

Using a (12mm socket), Remove the mounting bolts located underneath the plastic covers removed from **step 4**.



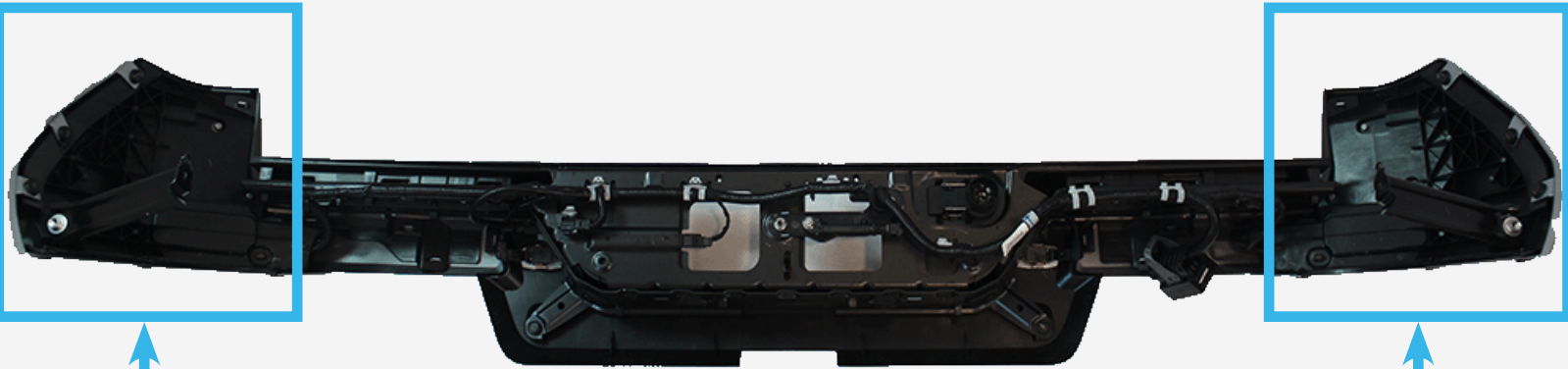
□ STEP 6

Using a (10mm socket), remove the mounting nuts located in the center. With a helping hand, you can now remove the OEM bumper.



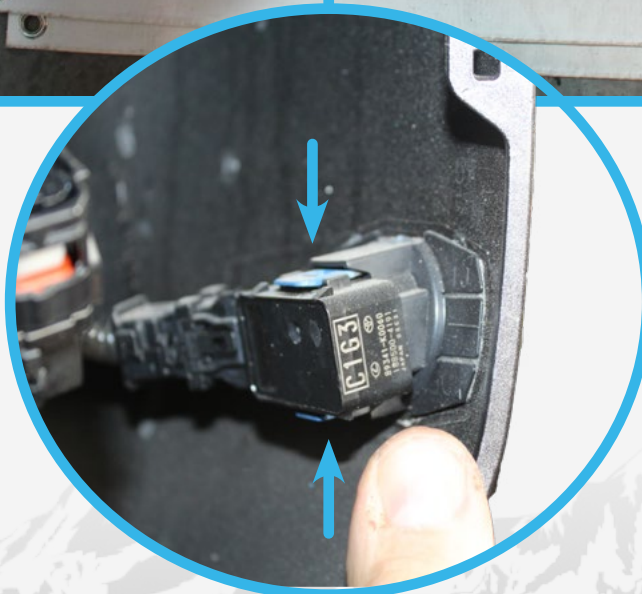
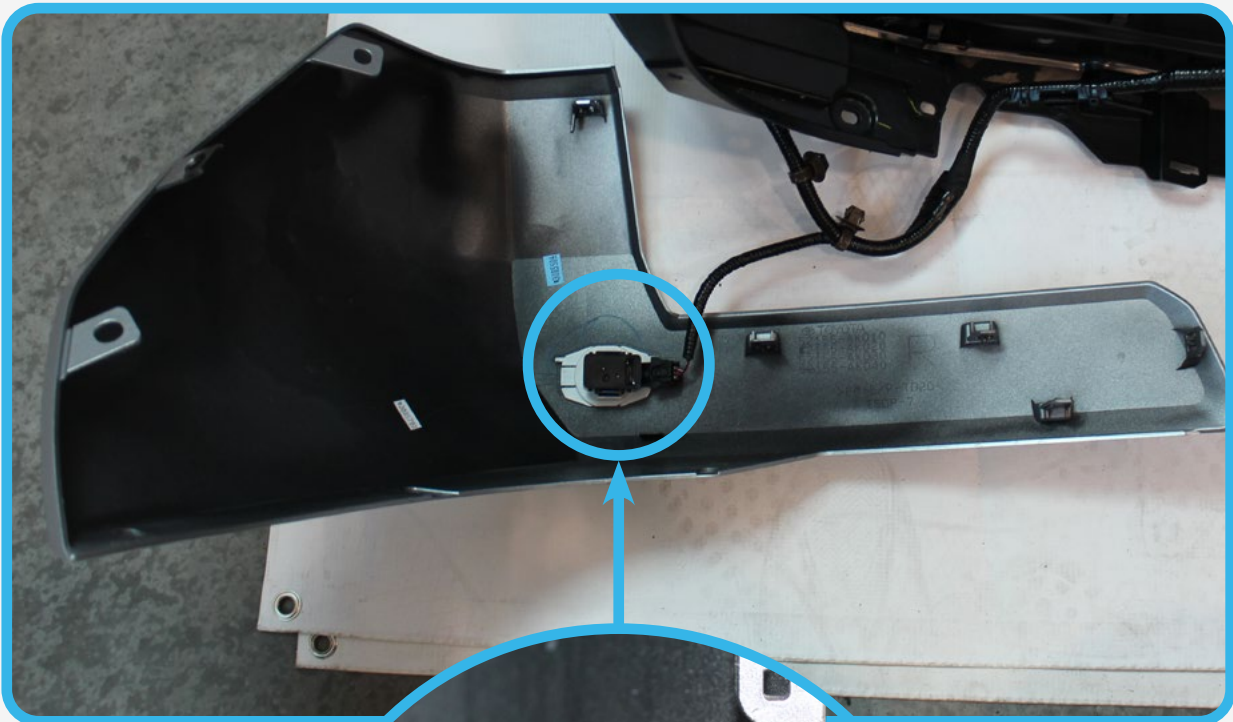
□ STEP 7

Using a (flathead screwdriver), Remove the push pins located on the beneath the bumper as shown below.



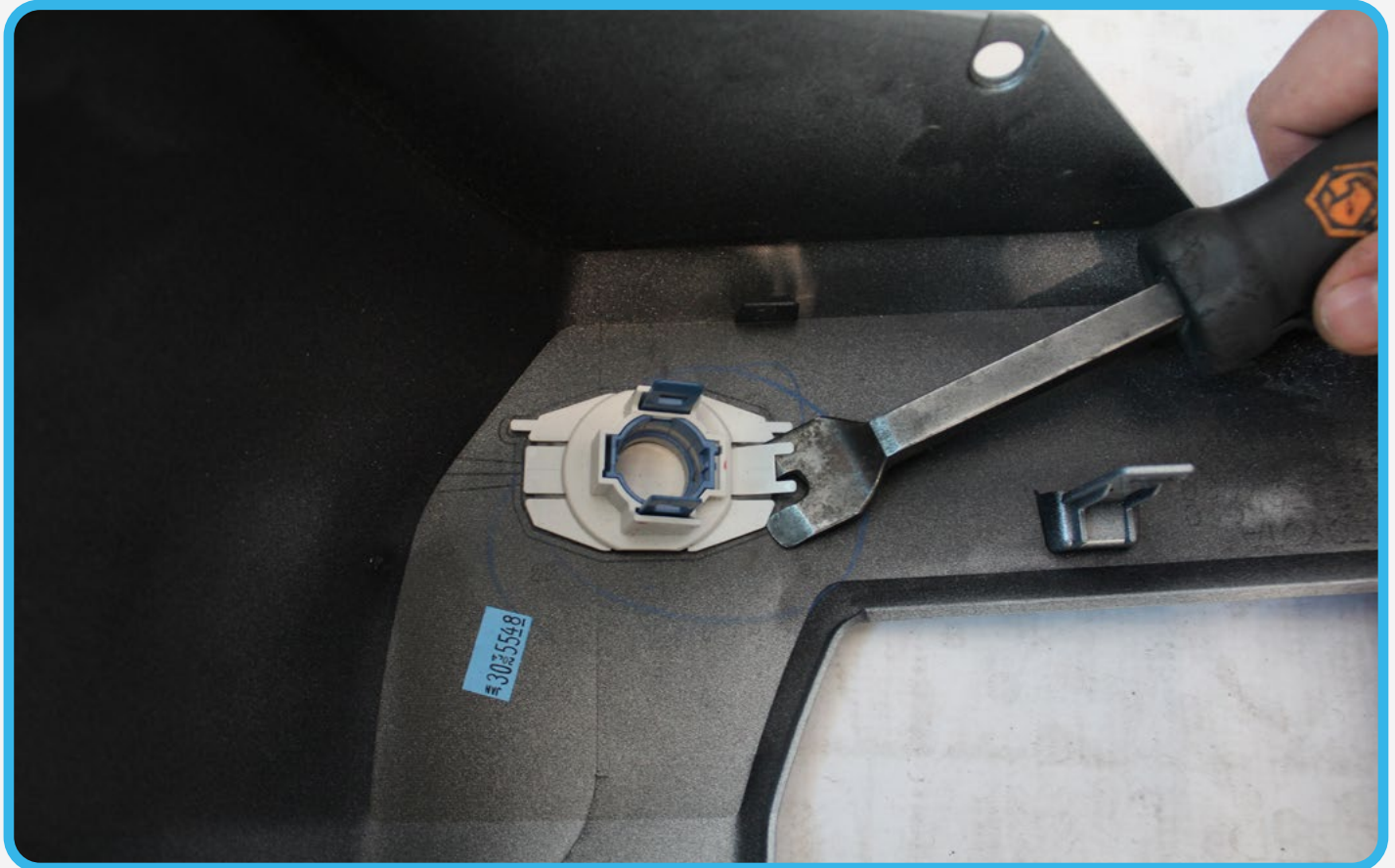
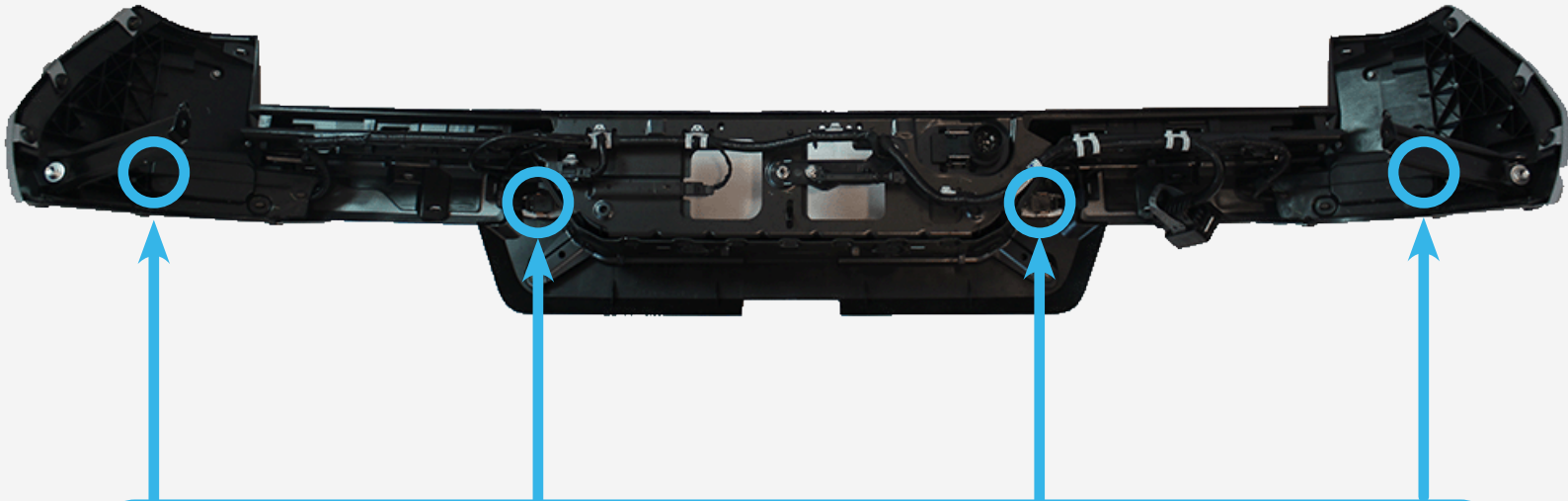
□ STEP 8

Remove the 4x sensors from the bezels by prying the tabs and pulling. ****remove gently due to breakage****



□ STEP 9

Using a (flathead screwdriver), remove the sensors bezels.



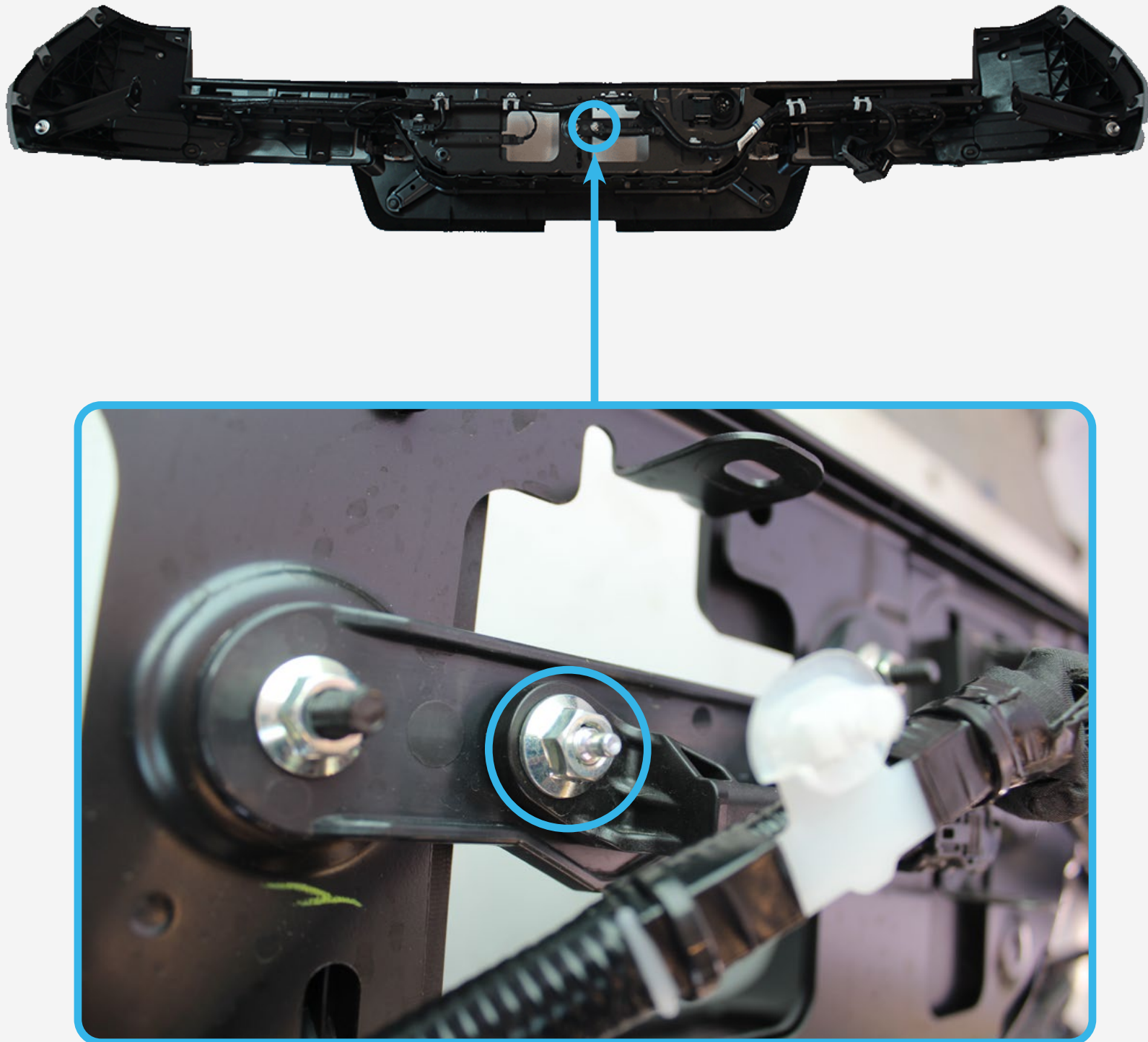
□ STEP 10

Remove all wiring loom clips with (needle nose pliers) from the OEM bumper.



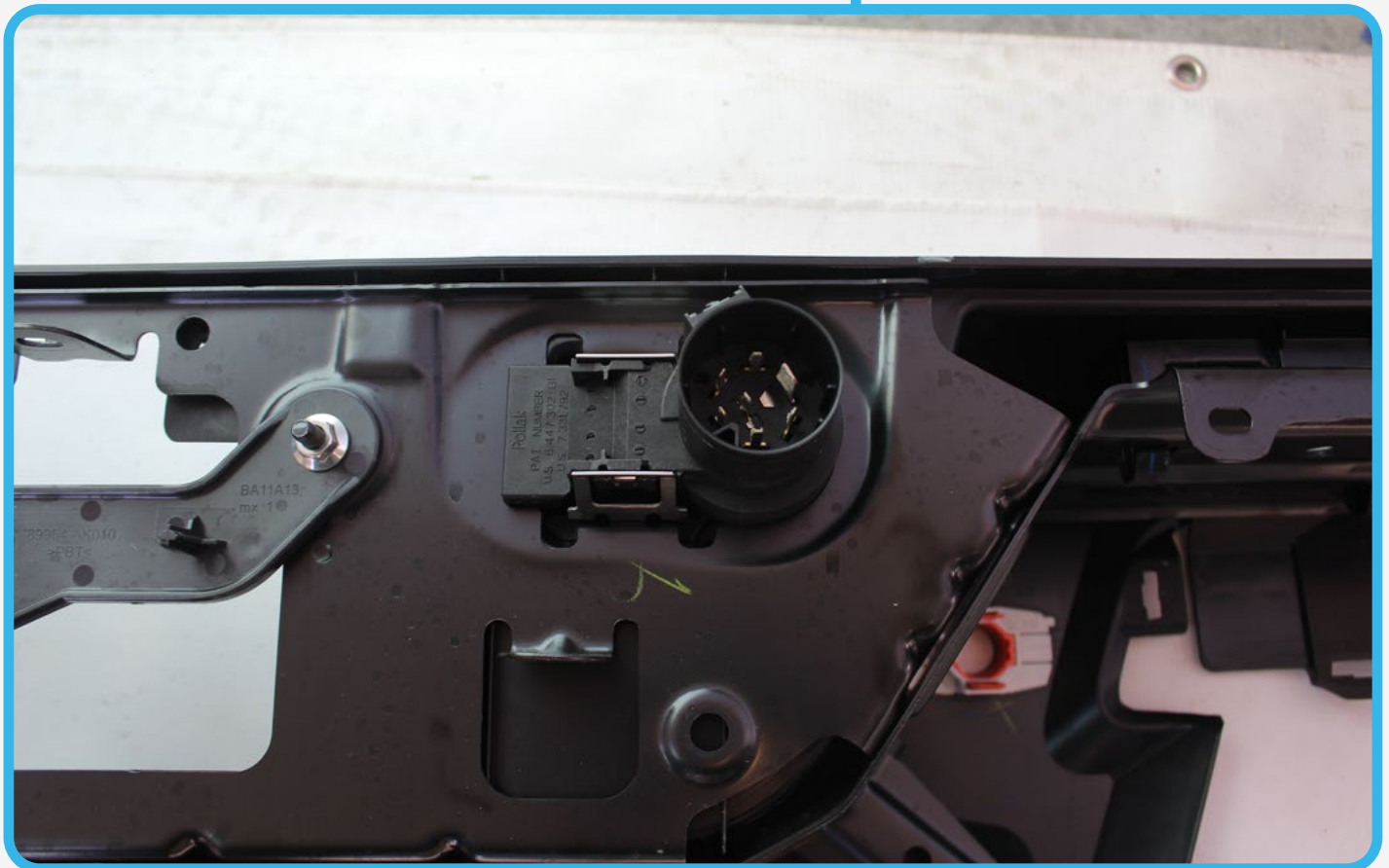
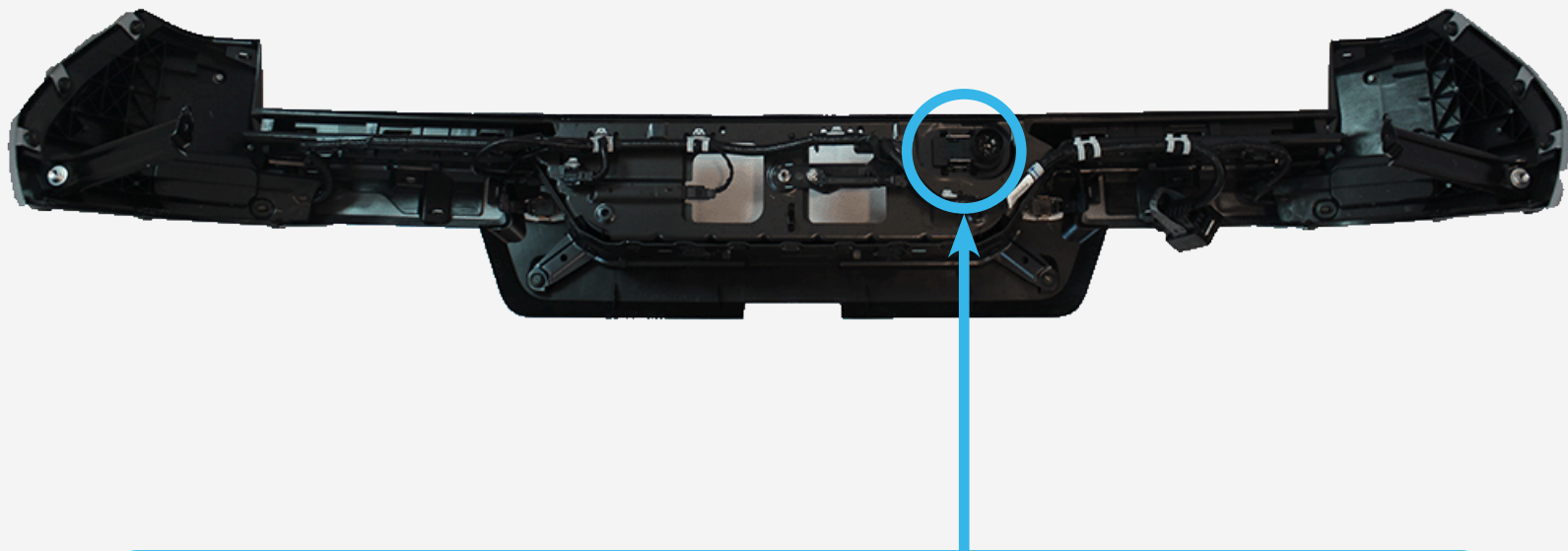
□ STEP 11

Using a (10mm socket) remove the key less entry antenna.



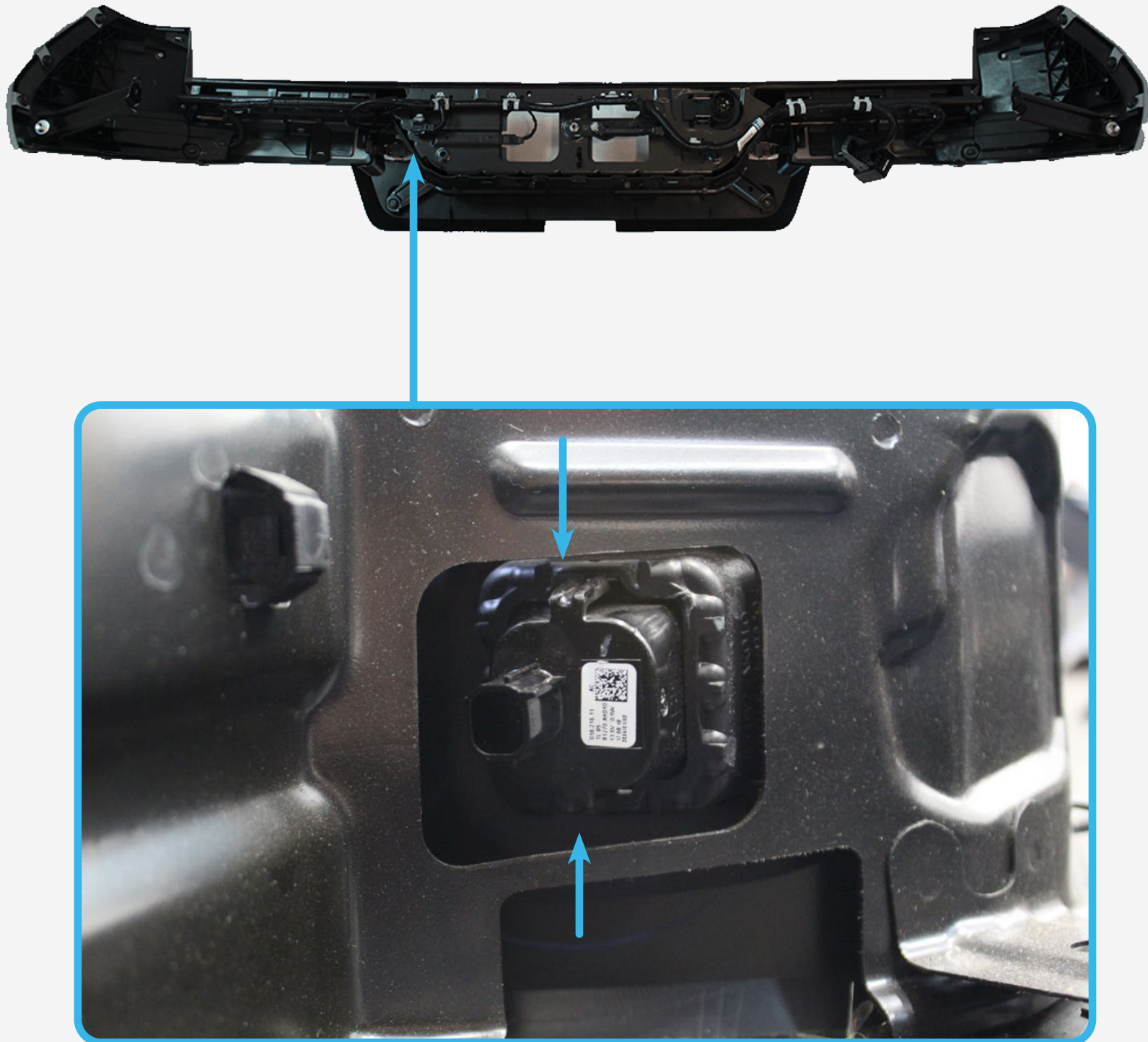
□ STEP 12

Remove the trailer plug on the backside of the bumper using a (flathead screwdriver) to release clips.



□ STEP 13

Remove the license plate light using a (flathead screwdriver) to release clips as shown below.



□ STEP 14

Using a (10mm socket), Remove the 6x blind spot sensor nuts.



□ STEP 15

Using a (grinder), Grind off the studs located center of the hitch as shown below and apply (black spray paint) to prevent rust.



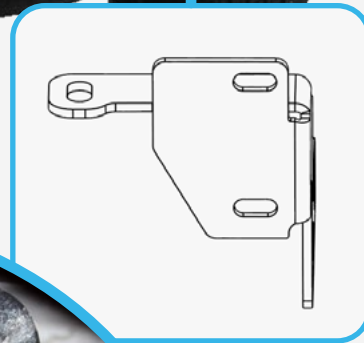
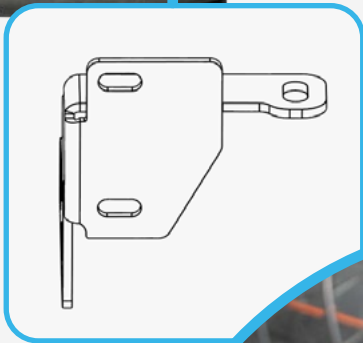
□ STEP 16

Using a (flathead screwdriver), Remove the plastic caps located on the side of the frame rails as shown below.



□ STEP 17

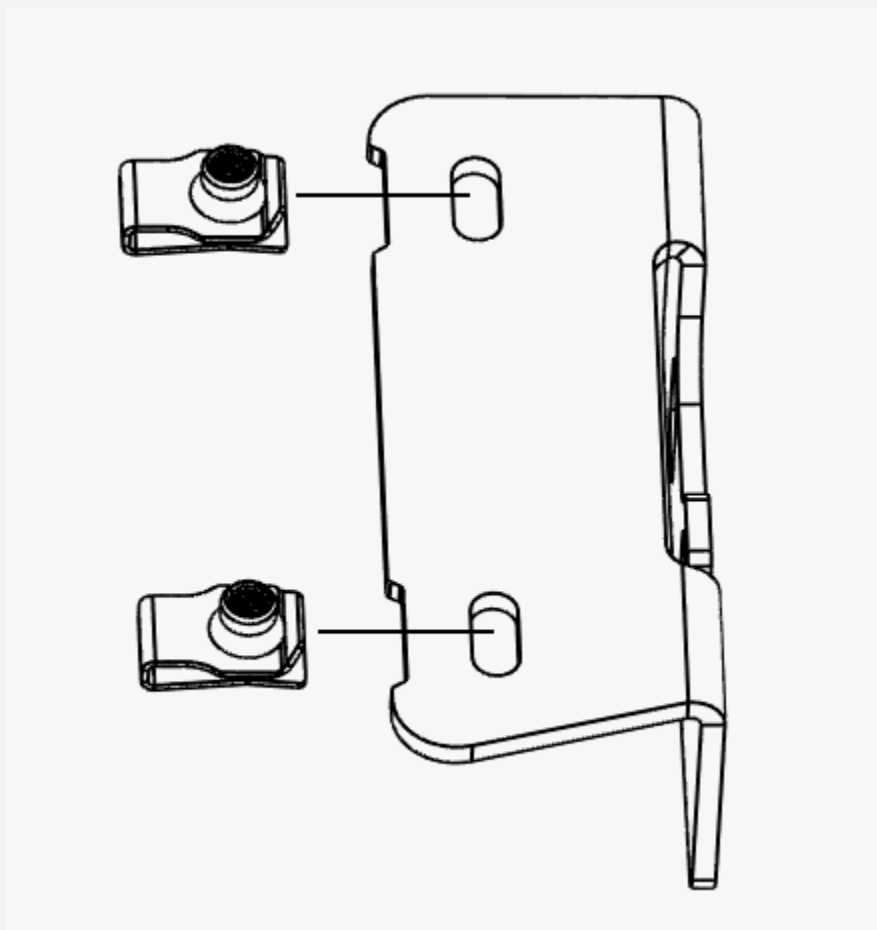
Install the mounting brackets to the back mounting hole using a (12mm Socket) with the OEM hardware removed from **steps 3 & 5**.



□ STEP 18

Install the provided (D2) nut clips onto the support bracket as shown below.

D2.



□ STEP 19

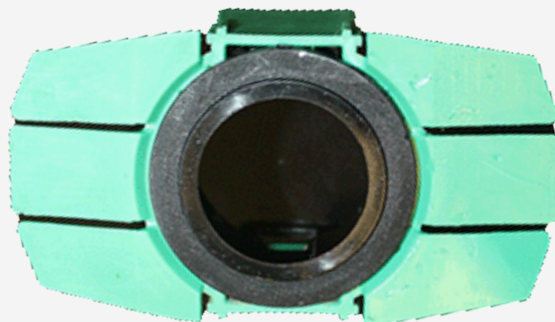
Using a (3/4 socket) and a (3/4 wrench), install the provided (E, E1, E2) 1/2" hardware through the capped holes from **step 16** using the provided backer plate on the inside as shown below.



□ STEP 20

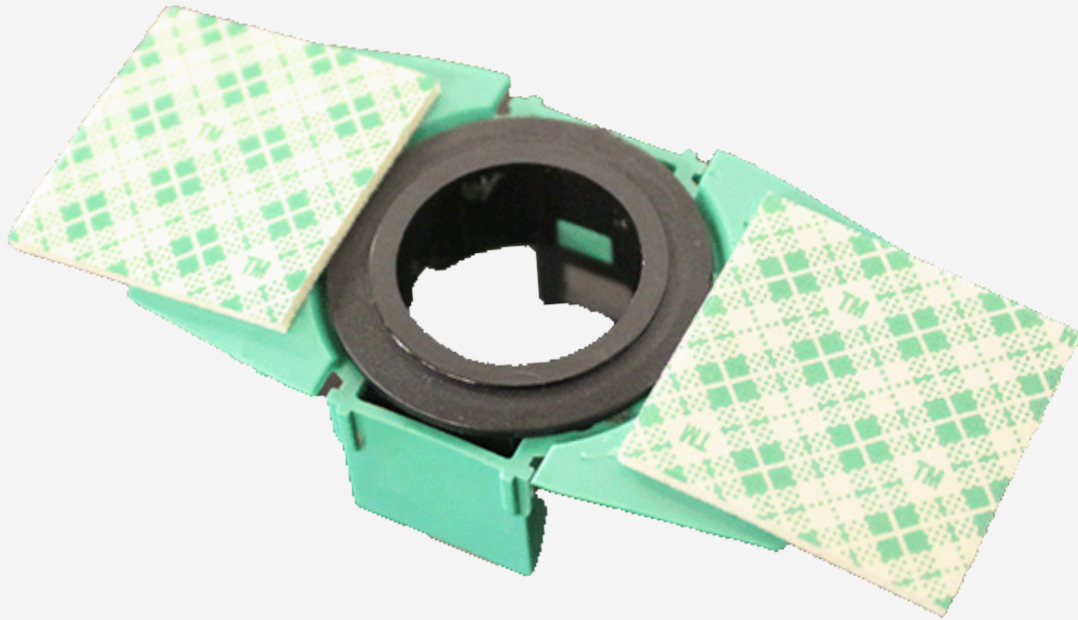
Remove double sided tape from the bezel until the surface is clear of residue.

Tec tip: Use a razor blade to remove adhesive.

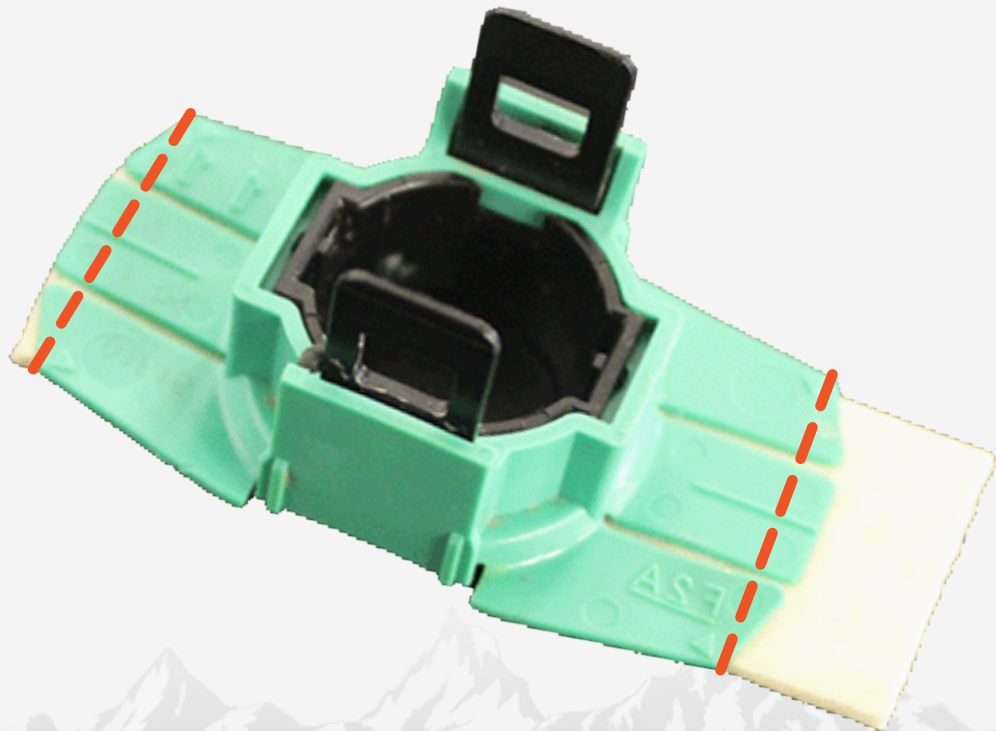


□ STEP 21

Install the provided (F) 3m double sided tape to each side of the bezel wings and trim excess with a (razor blade).



F.



□ STEP 22

Install the sensor bezels in a horizontal orientation shown below.



□ STEP 23

(Optional) Using **(black spray paint)**, lightly paint over the blind spot sensor before installing.



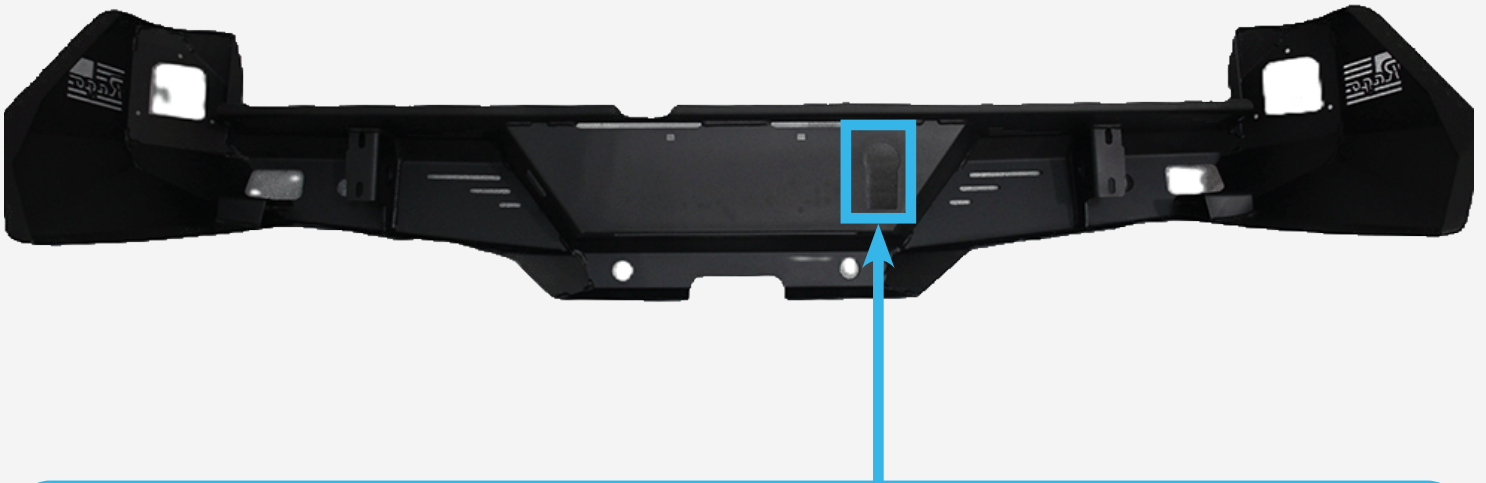
□ STEP 24

Using a (5/32 allen) and a (7/16 wrench), Install the blind spot sensors as shown below with the provided (A, B1, B2) 1/4" hardware using a (B1) nylon lock nut as a spacer between the bumper and the sensor.



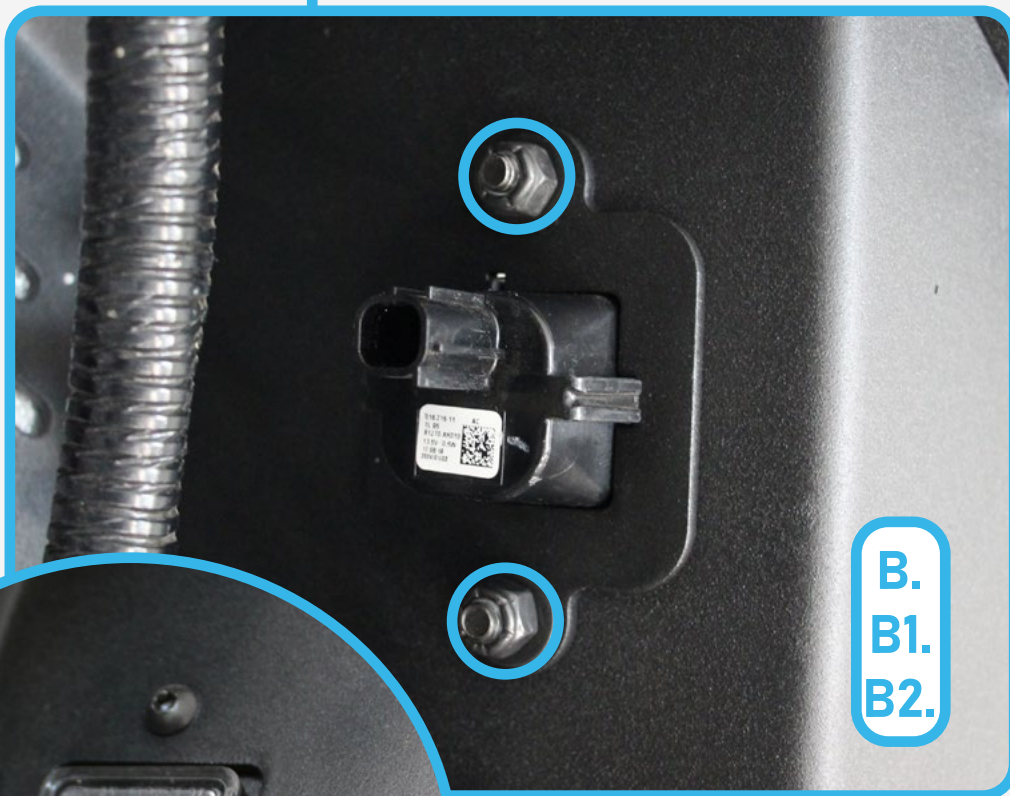
□ STEP 25

Using a (flathead screwdriver), Install the trailer plug by prying out the tabs as shown below.



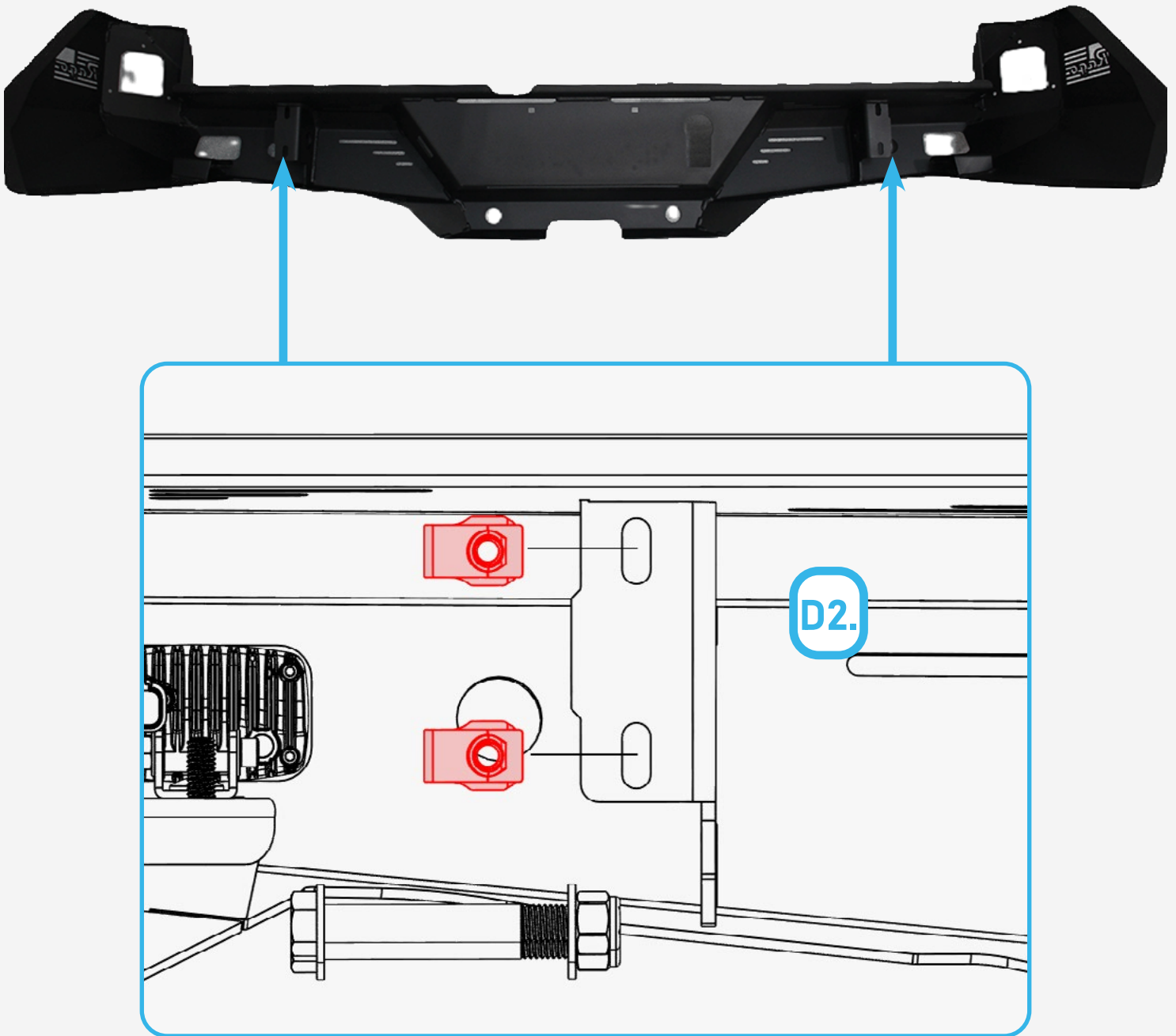
□ STEP 26

Using a (5/32 allen) and a (7/16 wrench), Install the license plate light with the plug in facing the top of the bumper with the provided (B, B1, B2) 1/4" hardware.



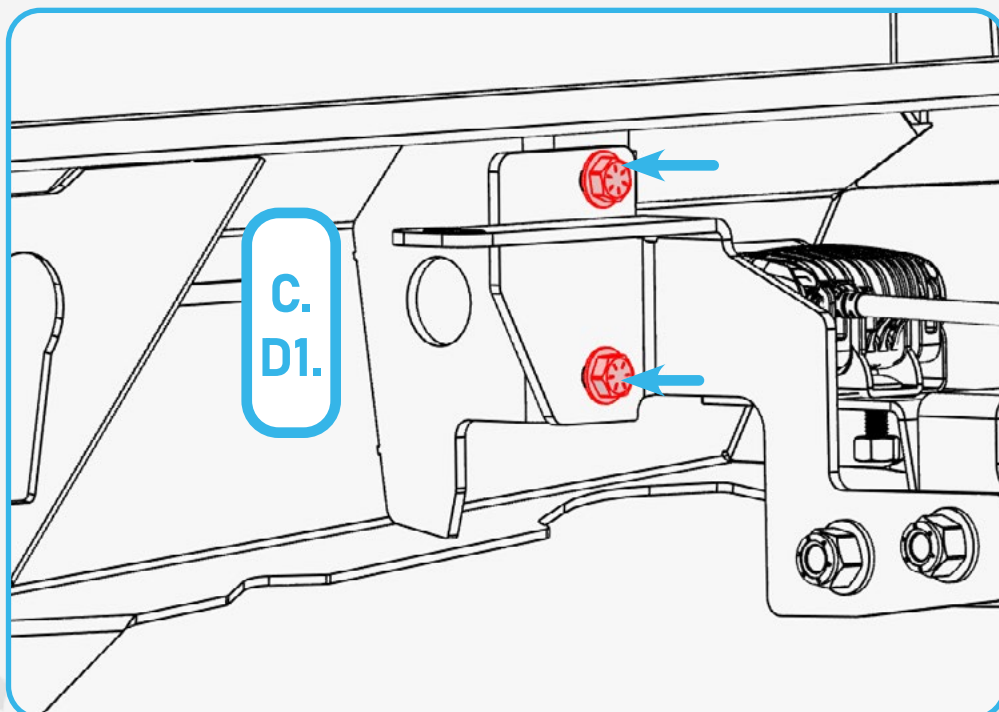
□ STEP 27

Install the provided (D2) nut clips onto the bumper as shown below.



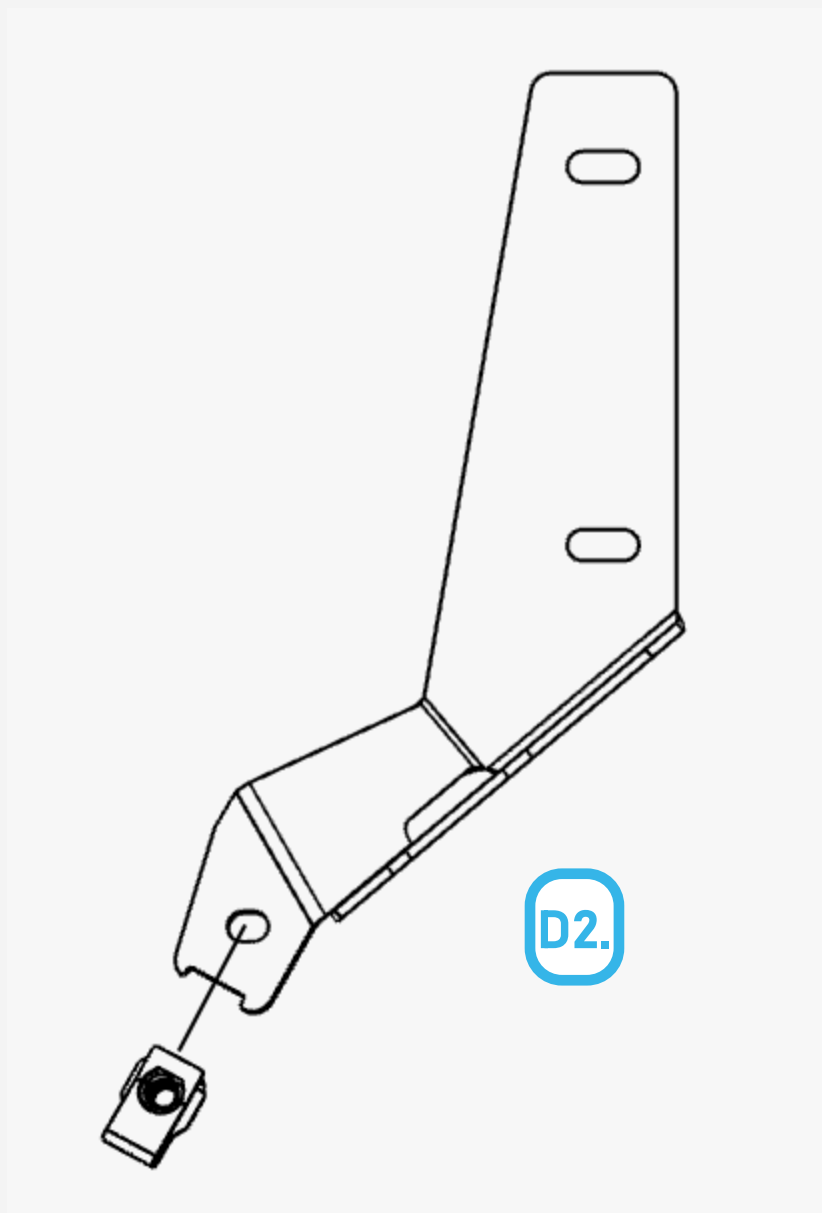
□ STEP 28

With the help from another installer, install the bumper using a (9/16 socket) with the provided (C, D1) 3/8" hardware.



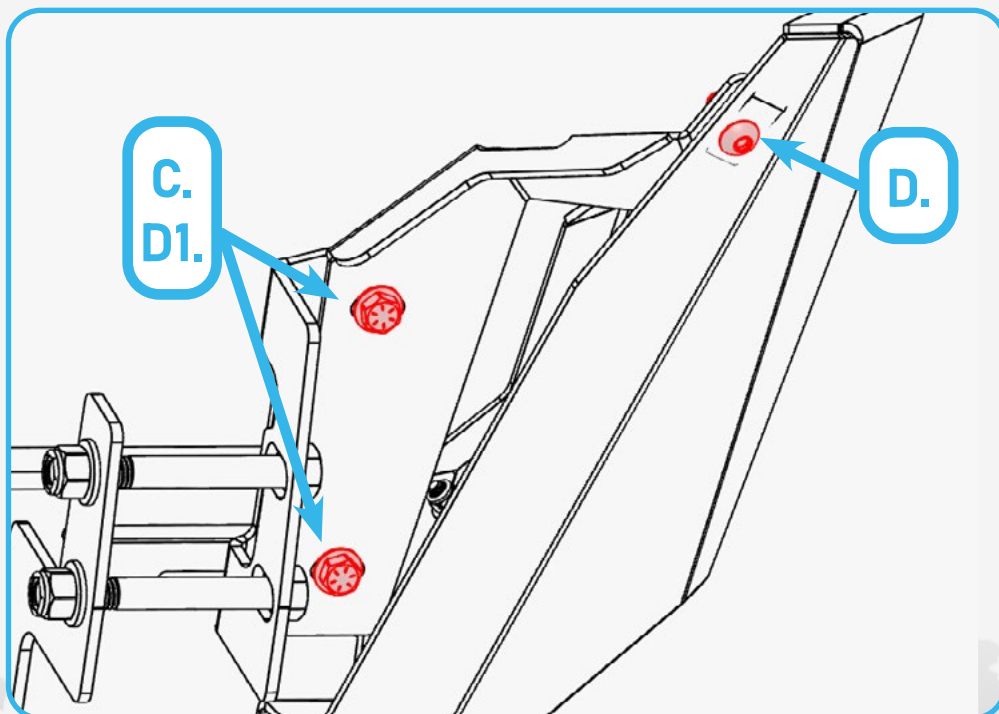
□ STEP 29

Install the provided (D2) nut clip onto the support bracket as shown below.



□ STEP 30

With the provided (C, D1) 3/8 hardware, install the bracket from step 29 using a (9/16 socket). Next install the provided (D) 3/8 hardware onto the side wing as shown below using a (7/32 allen).



□ STEP 31

Plug in the main wiring harness.



□ STEP 32

Plug in the trailer plug.



☐ STEP 33

Stand back and enjoy your new RAGO Rear Bumper.

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

