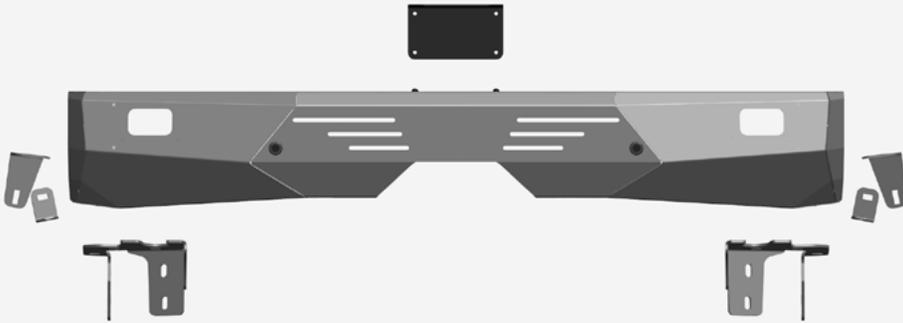


CENTER MOUNT REAR BUMPER 2025-UP/TOYOTA 4RUNNER R710255090103



TOOLS REQUIRED

- 10mm, 12mm, 7/16, 9/16 sockets
- 10mm, 12mm, 7/16, 9/16 wrenches
- Pushpin Puller or Flathead Screwdriver
 - Head Gun
 - Razor Blade
 - 5/32 Allen

SKILL LEVEL

- Medium

TIME REQUIRED

- Approximately 2 Hours (This installation guide covers the installation of the product only. It does not include instructions and time for wiring)

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 3/4" BUTTON HEAD BOLT

QTY: 6

A1.



1/4-20" NYLON LOCK NUT

QTY: 6

A2.



1/4" FLAT WASHER

QTY: 8

A3.



M6 FLAT WASHER

QTY: 4

B.



3/8-16 X 1" CARRIAGE BOLT

QTY: 8

B1.



3/8" FLAT WASHER

QTY: 8

B2.



3/8-16 NYLON LOCK NUT

QTY: 8

C.



3M DOUBLE SIDE TAPE 1X1 SQUARE

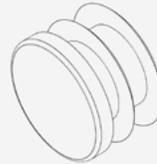
QTY: 4

SENSOR GROMMETS SUPPLIED FOR NON SENSOR TRIMS



1/8" RUBBER GROMMET

QTY: 2



1/8" PLASTIC PLUG

QTY: 2



□ STEP 1

Remove the top plastic trim by prying upwards.



□ STEP 2

Unplug the rear wire harness located on both driver and passenger as shown below.



□ STEP 3

Remove the bottom section of the weather stripping.



□ STEP 4

Remove the plastic cover shown below by pulling.



□ STEP 5

Remove the plastic covers located next to the taillight by pulling.



□ STEP 6

Using a (10mm socket) remove the hardware shown below. ****KEEP HARDWARE****



□ STEP 7

Using a (10mm socket) remove the hardware shown below. ****KEEP HARDWARE****



□ STEP 8

Using a (10mm socket) and a (fastener removal tool) remove the hardware shown below.



□ STEP 9

Using a (10mm socket) remove the hardware shown below.



□ STEP 10

Using a (10mm socket) and a (fastener removal tool) remove the hardware shown below. ****KEEP HARDWARE****



STEP 11

Remove the fender flairs by pulling outwards.



□ STEP 12

Using a (fastener removal tool), remove the clips shown below. ****KEEP HARDWARE****



□ STEP 13

Remove the plastic by pulling outwards.



□ STEP 14

You can now remove the rear bumper and set aside.



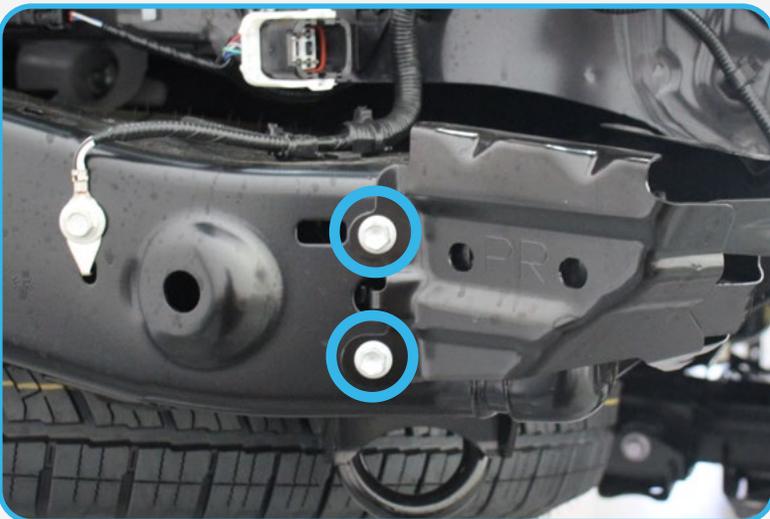
□ STEP 15

Remove the foam located on top of the hitch by pulling up.



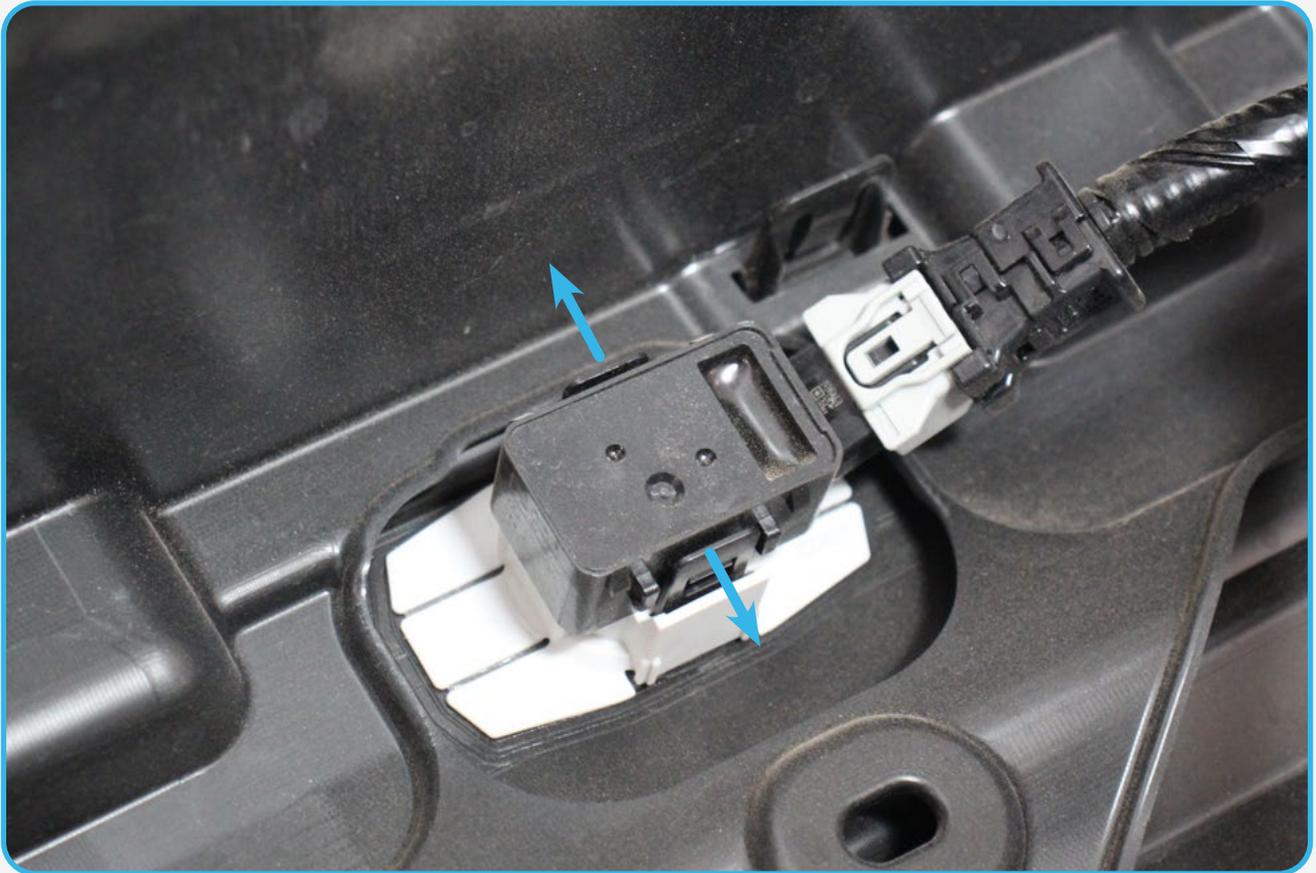
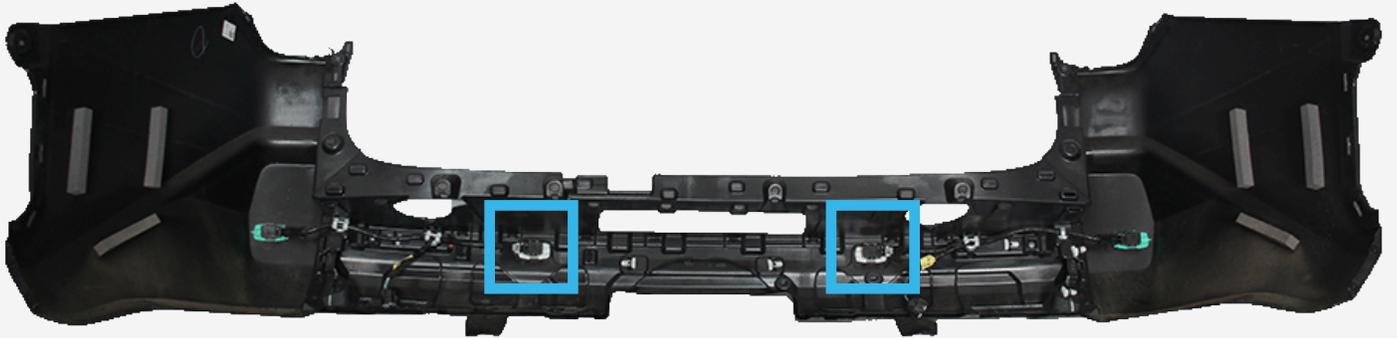
STEP 16

Remove the crash supports as shown below on driver and passenger using a (12mm socket).
****KEEP HARDWARE****



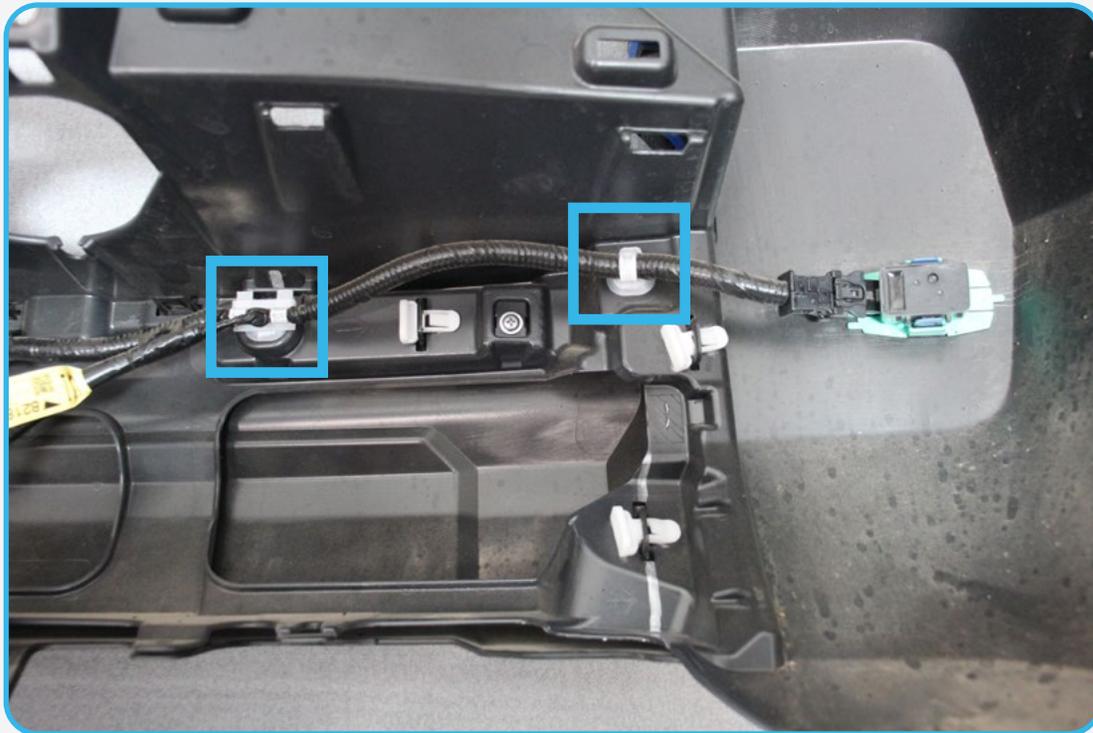
□ STEP 17

Remove the parking sensors from the bezels by prying outwards on the tabs. ****CAUTION: TABS ARE FRAGILE, PRY GENTLY****



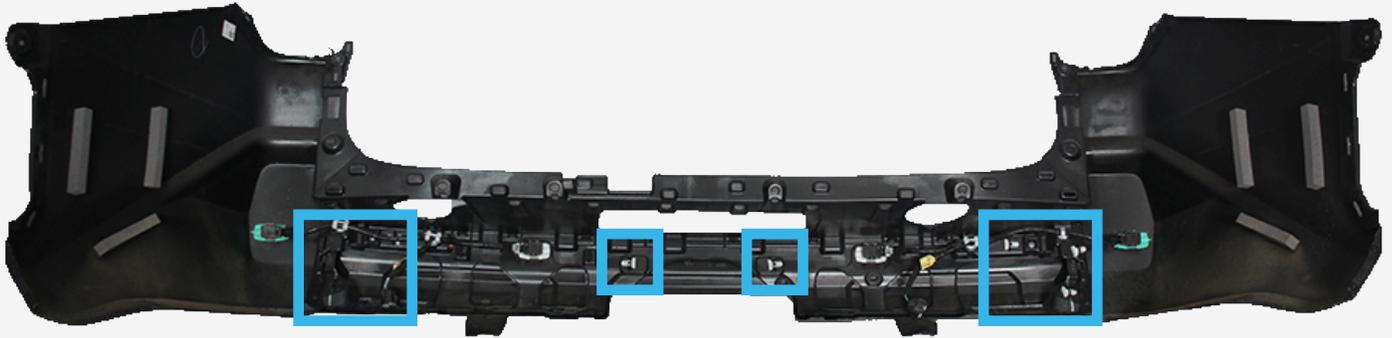
□ STEP 18

Using a (fastener removal tool), remove the clips holding the inner parking sensor and move out of the way for cutting.



□ STEP 19

Remove the plastic retainers as shown below.



STEP 20

Remove the plastic cover and set aside.



□ STEP 21

Mark out the cut lines, we recommend following the lines we have provided below for best fitment.



□ STEP 22

Using a (Jigsaw) or your choice of cutting tools, cut the center section marked out on **step 21**.



□ STEP 23

Re-Install the plastic by repeating **steps 2-7**.



□ STEP 24

Install the sides using the hardware removed from **step 12**.



STEP 25

Re-Install the fender flairs.



□ STEP 26

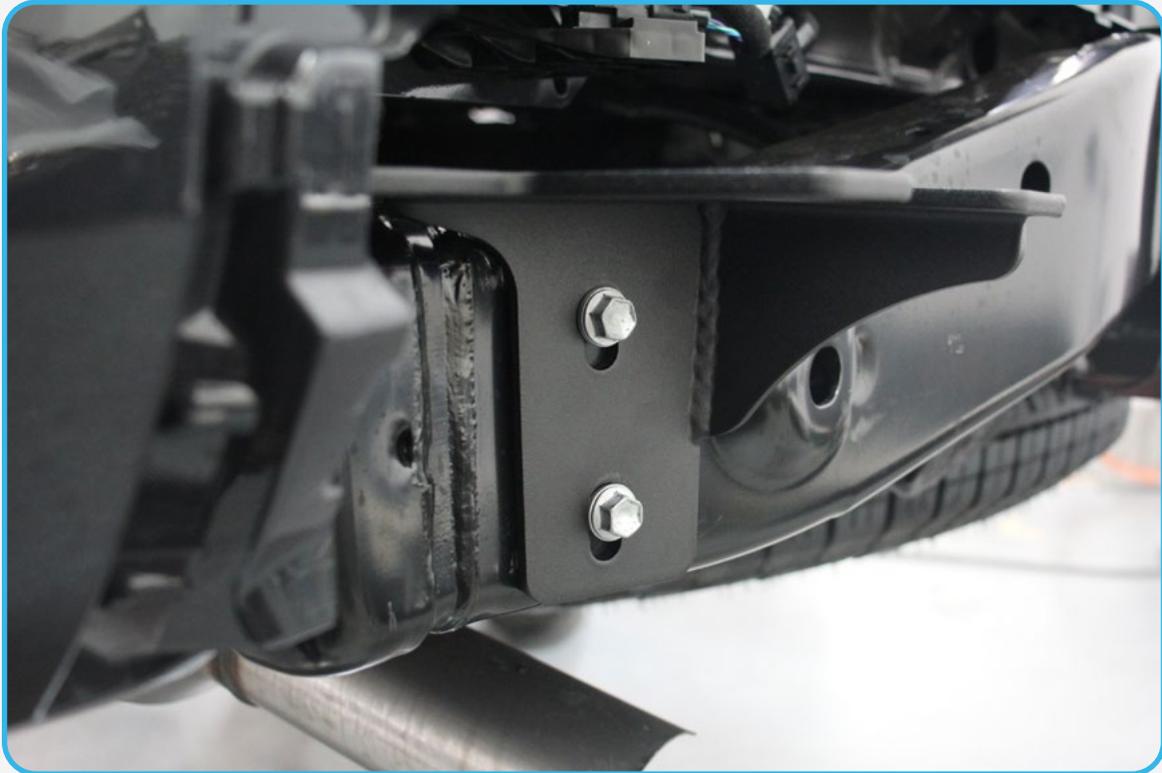
Re-install the hardware removed from **step 10** using a (10mm socket).



□ STEP 27

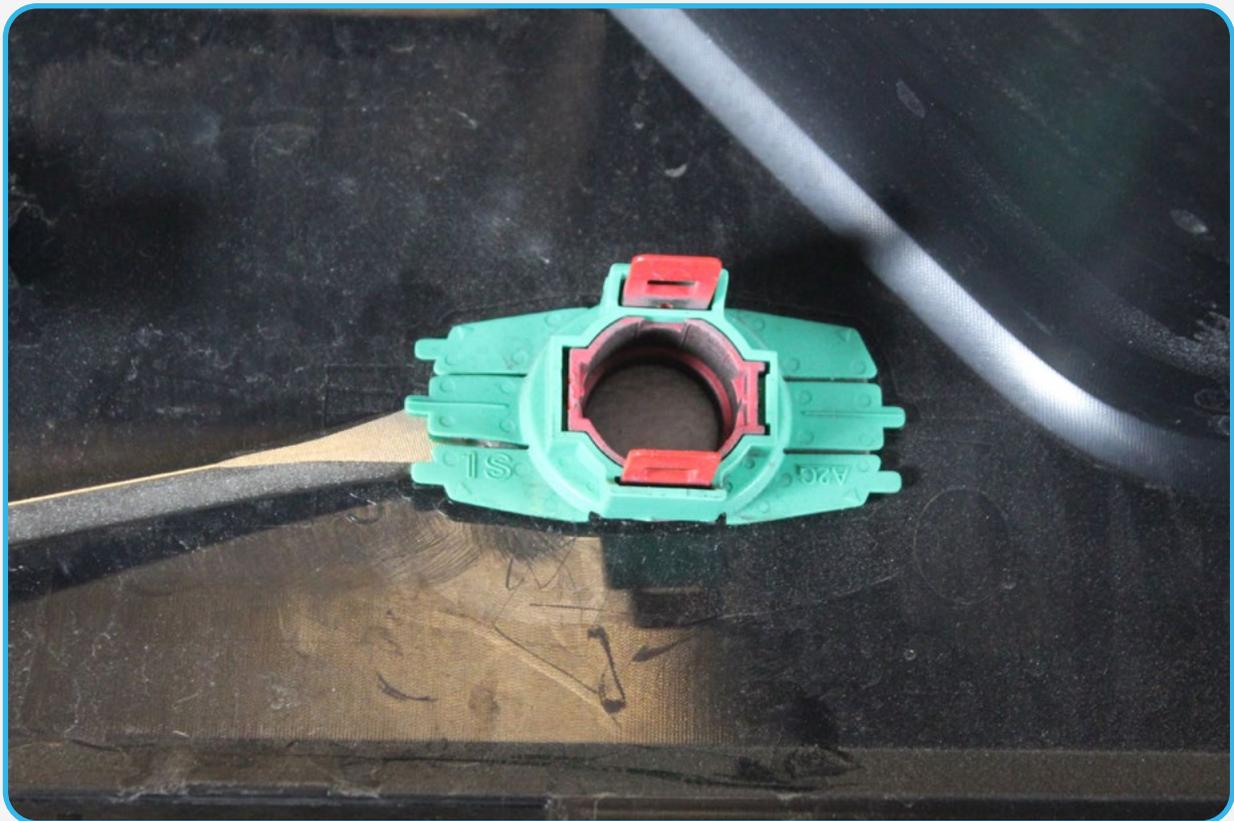
Install the hardware removed from **step 16** to install the mounting brackets as shown below. This bracket has up and down adjustment. You can use this for later on in the install.





□ STEP 28

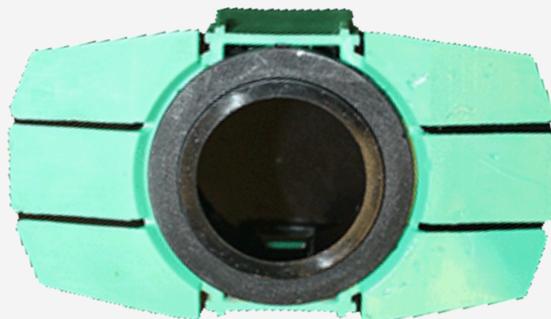
Use a (heat gun) to soften adhesive and use (flathead screwdriver) remove the inner sensor bezels from the OEM bumper. ****Keep for install****



STEP 29

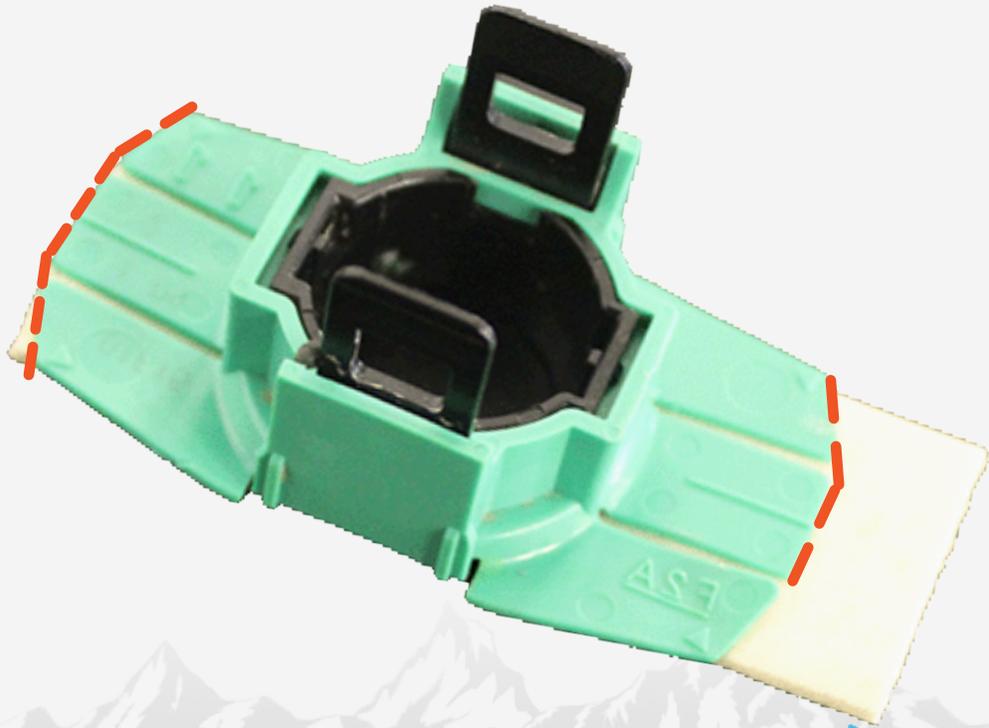
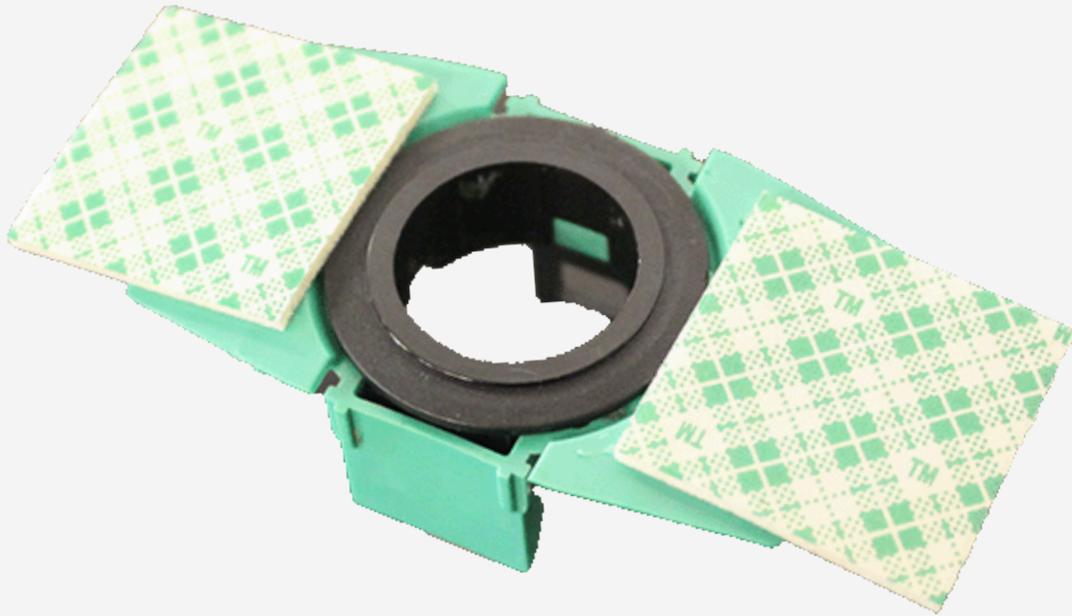
Remove double sided tape from the bezel until the surface is clear of residue.

Tec tip: Use a razor blade or brake clean to remove adhesive.



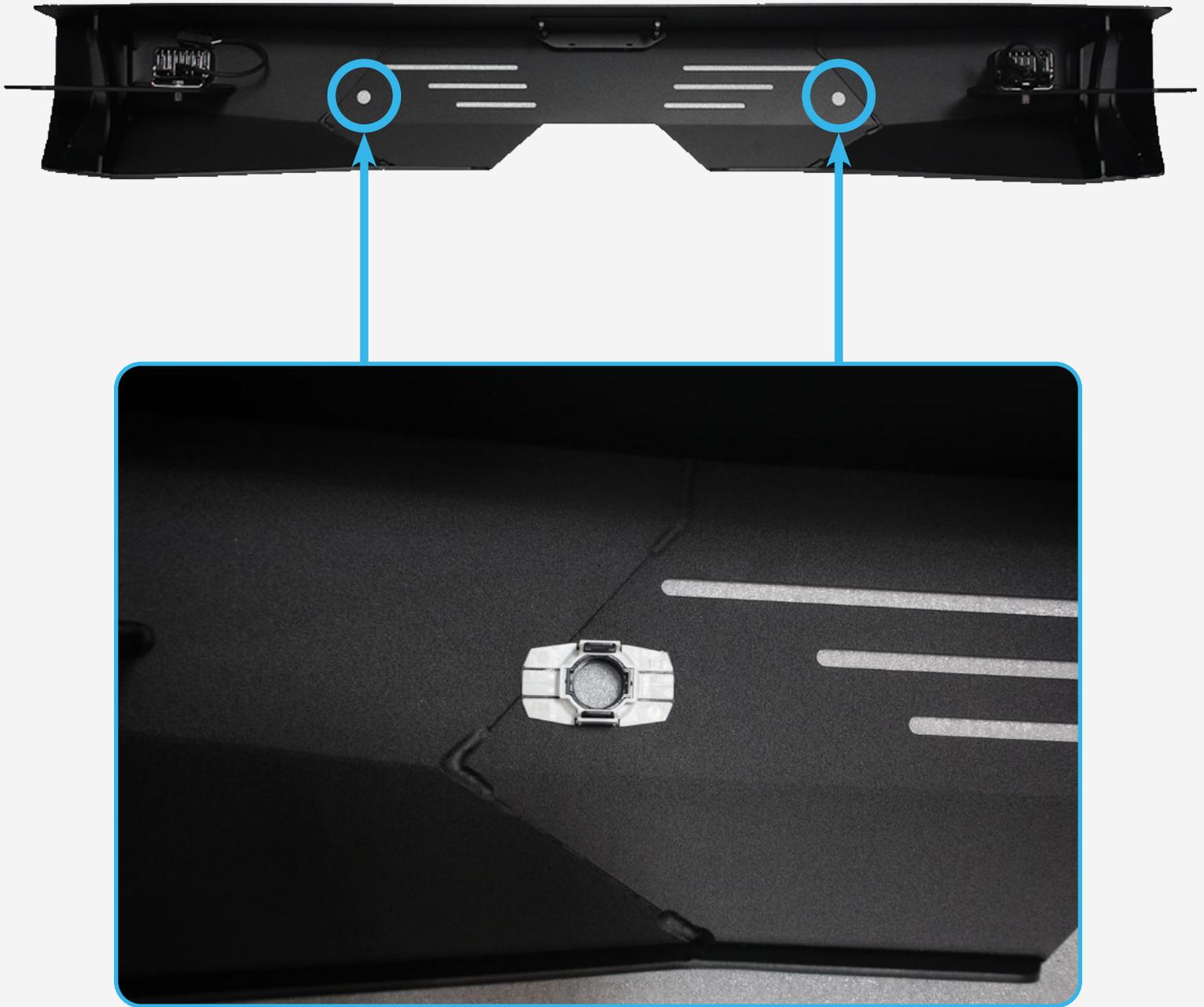
STEP 30

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



STEP 31

Install the sensor bezels as shown below.



STEP 32

Now would be a good time to install your lights.



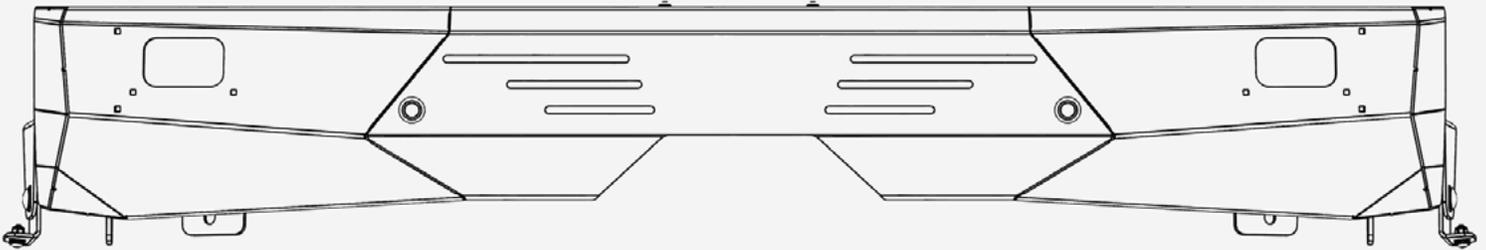
□ STEP 33

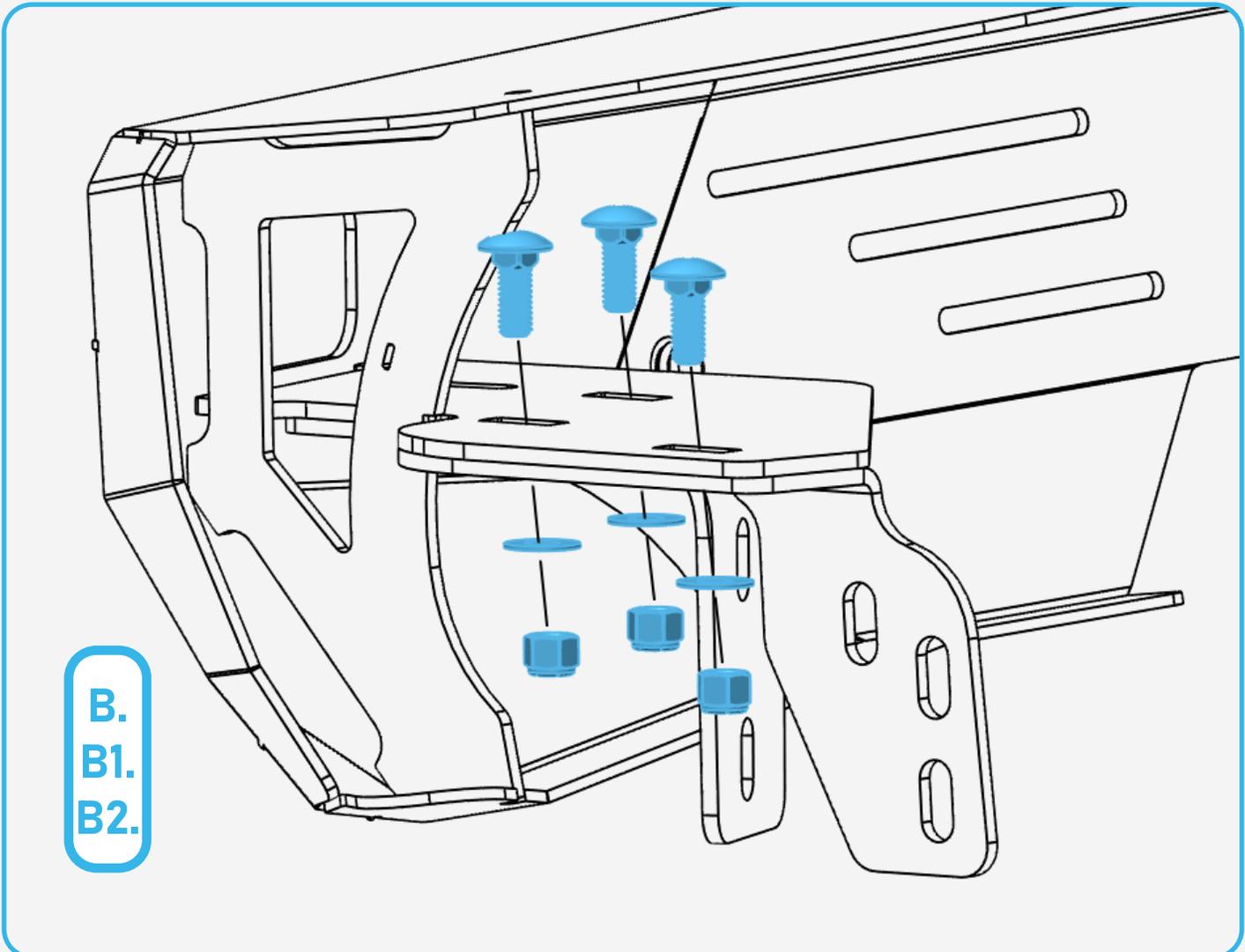
With the provided (A, A1, A2, A3) 1/4" hardware install the backer plate inside the bumper as shown below using a (7/16 wrench) and a (5/32 allen).



□ STEP 34

With a helping hand, install the bumper with the provided (B, B1, B2) 3/8" hardware with the bumper sitting on top of the mounts as shown below using a (9/16 socket). Leave loose for adjustments.

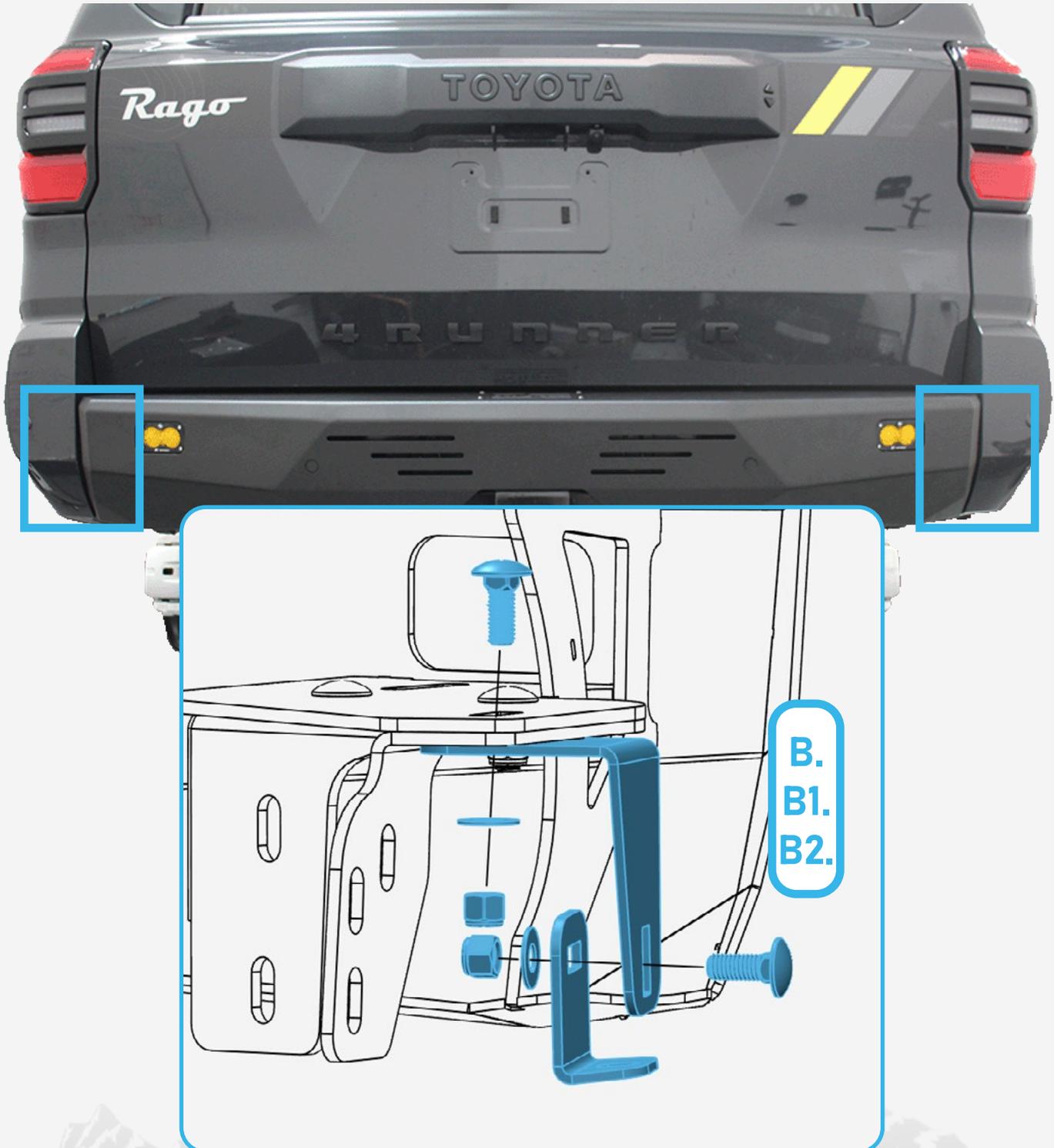


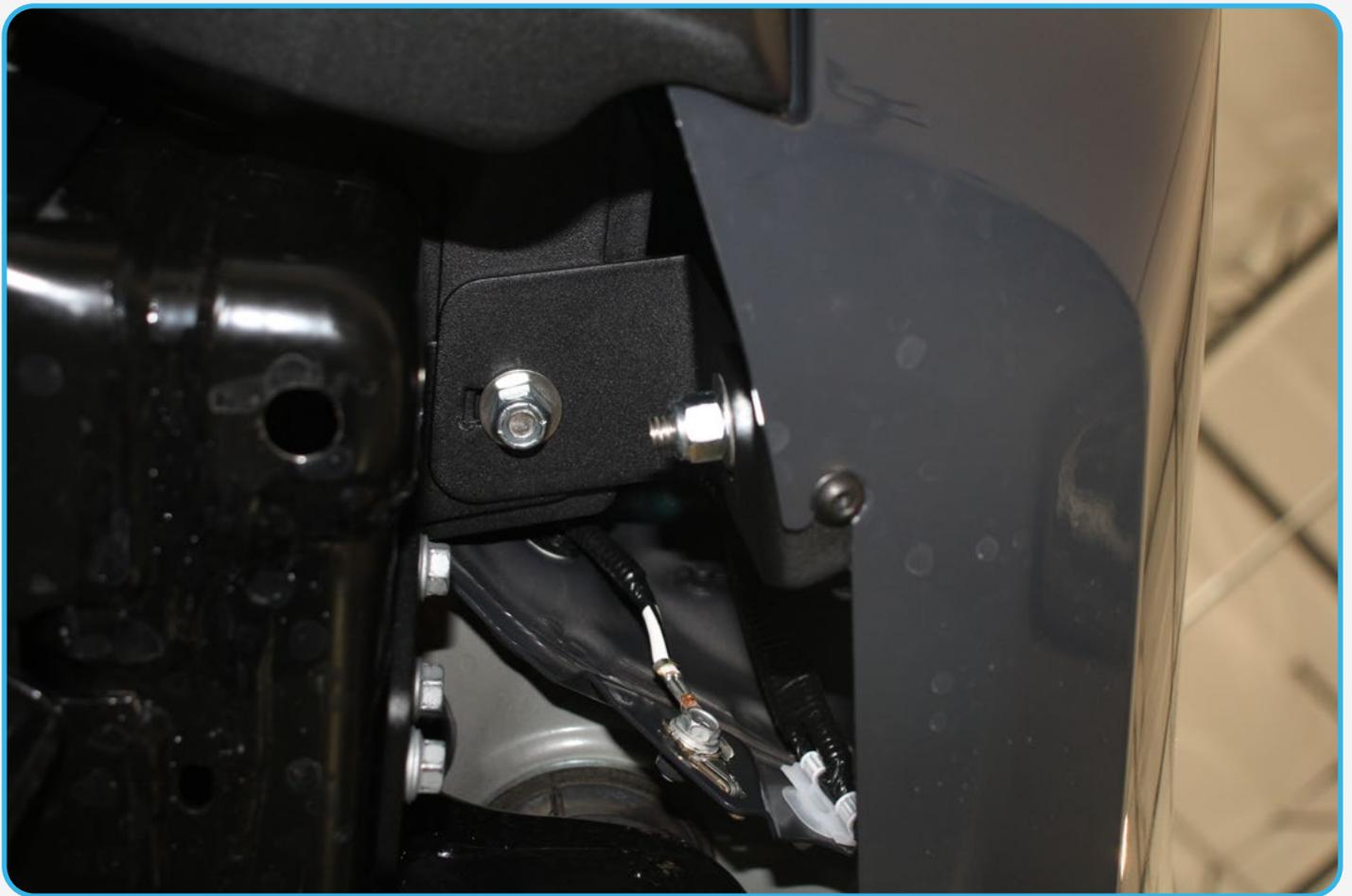


B.
B1.
B2.

STEP 35

Install the provided support brackets with the provided (B, B1, B2) as shown below using a (9/16 wrench).





□ STEP 36

Install the provided (A, A1, A2) 1/4" hardware to the plastic as shown below using a (7/16 wrench) and a (5/32 allen). With all hardware loose, adjust the bumper to your desired fitment and tighten.



□ STEP 37

Insert the parking sensors into the bezels, ensure that they are fully seated into the bezels and look like what is shown below.



□ STEP 38

Plug in the main wire harness located on both driver and passenger.



STEP 39

Stand back and enjoy your new RAGO Center Mount Rear Bumper.

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

