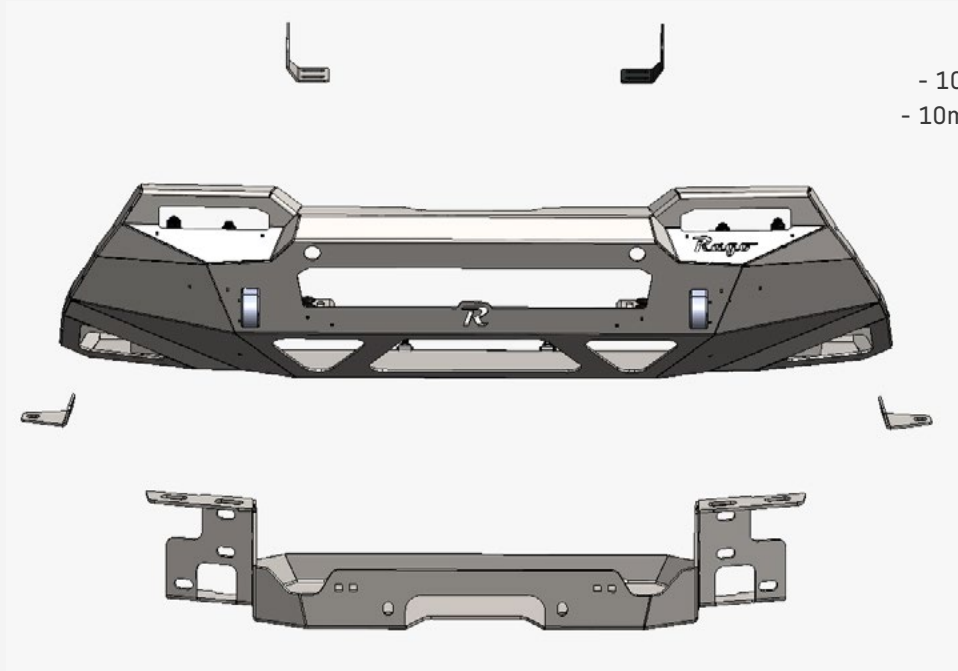


CENTER MOUNT WINCH FRONT BUMPER 2024/TOYOTA TACOMA F6703651001NA



TOOLS REQUIRED

- 10mm, 12mm, 17mm, 7/16, 9/16, 3/4 sockets
- 10mm, 12mm, 17mm, 7/16, 9/16, 3/4 wrenches
- Pushpin Puller or Flathead Screwdriver
- Phillips Screwdriver
- 5/32, 7/32, 5/16 Allen
- Razor Blade
- Grinder/Jigsaw

SKILL LEVEL

- Medium/Skilled

TIME REQUIRED

- Approximately 4 Hours

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.

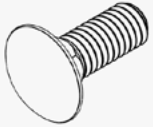
Inspect all contents of this package to make sure product is not damaged and all installation hardware has been included. If parts are missing from kit, please be prepared to provide the following information:

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.



3/8-16 X 1" CARRIAGE BOLT

QTY: 4

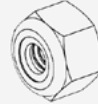
B.



3/8-16 X 1" BUTTON HEAD BOLT

QTY: 8

B1.



3/8-16" NYLON LOCK NUT

QTY: 12

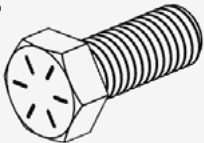
B2.



3/8" FLAT WASHER

QTY: 12

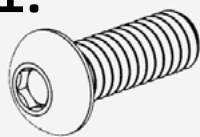
C.



1/2-13 X 1 1/2" HEX HEAD BOLT

QTY: 10

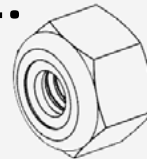
D1.



1/2-13 X 1 1/2" BUTTON HEAD BOLT

QTY: 2

D2.



1/2-13" NYLON LOCK NUT

QTY: 12

D3.



1/2" FLAT WASHER

QTY: 24

E.



3M DOUBLE SIDED TAPE

QTY: 4

Reference this page throughout the install



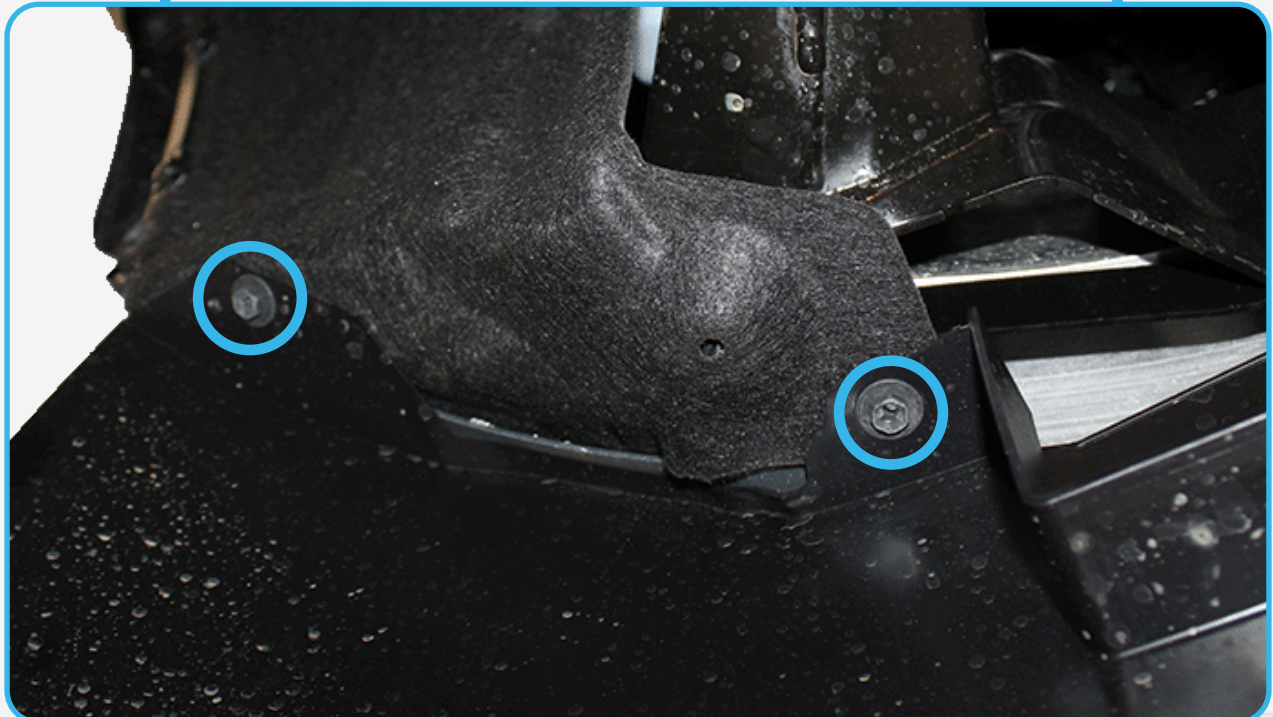
□ STEP 1

Using a (10mm socket) or a (Philips head Screwdriver), Remove the air dam hardware as shown below.



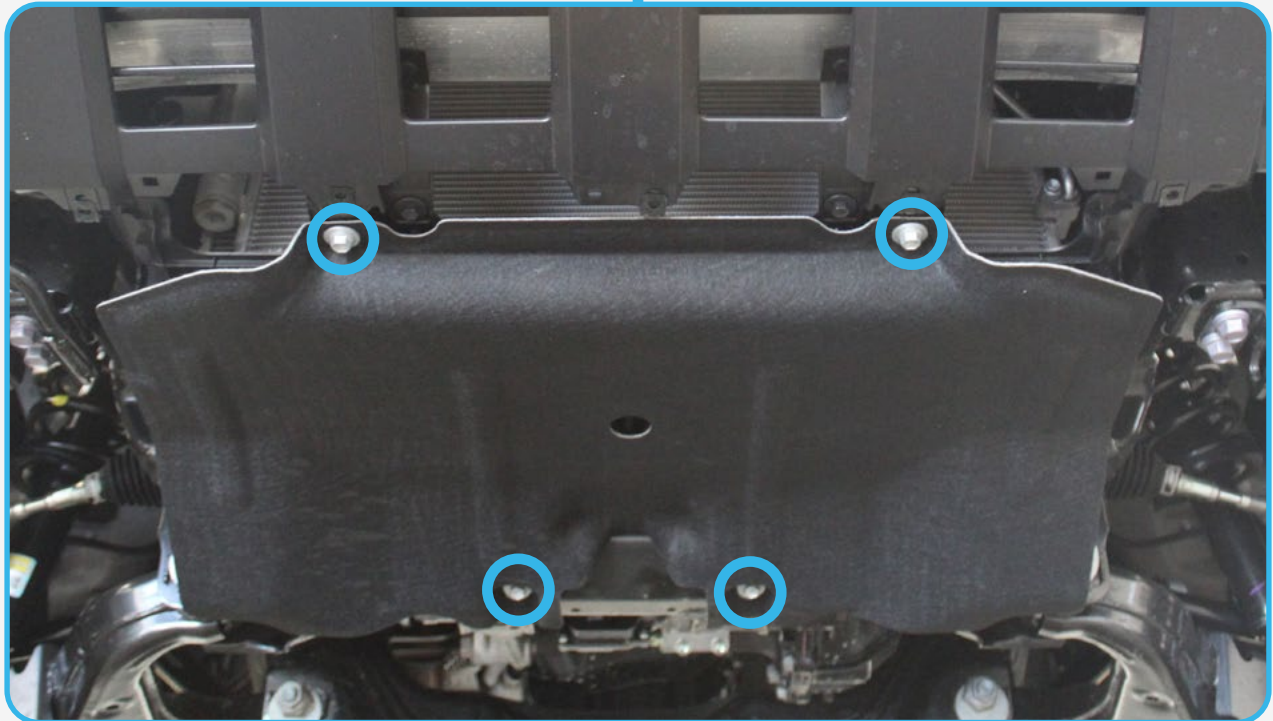
□ STEP 2

Using a (10mm socket) or a (Philips head Screwdriver), Remove the air dam hardware located in the wheel well as shown below.



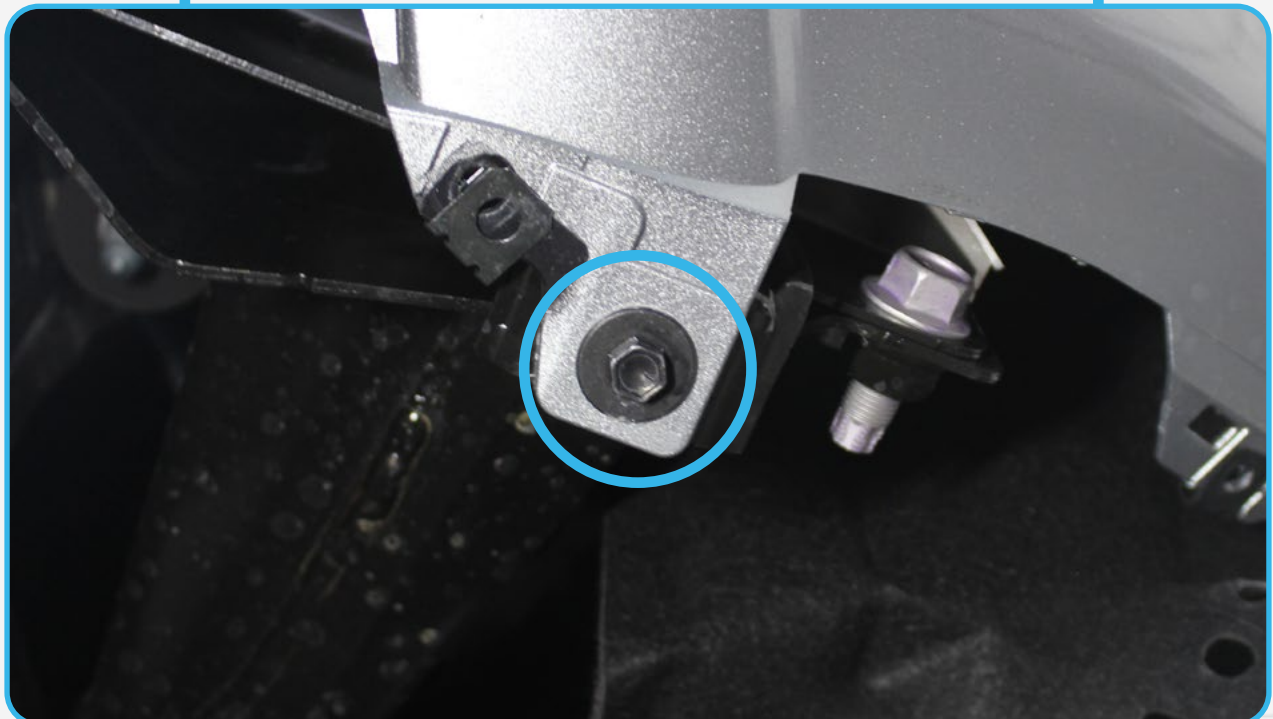
□ STEP 3

Using a (12mm Socket), Remove the skid plate. **(Keep hardware for installation of skid plate)**



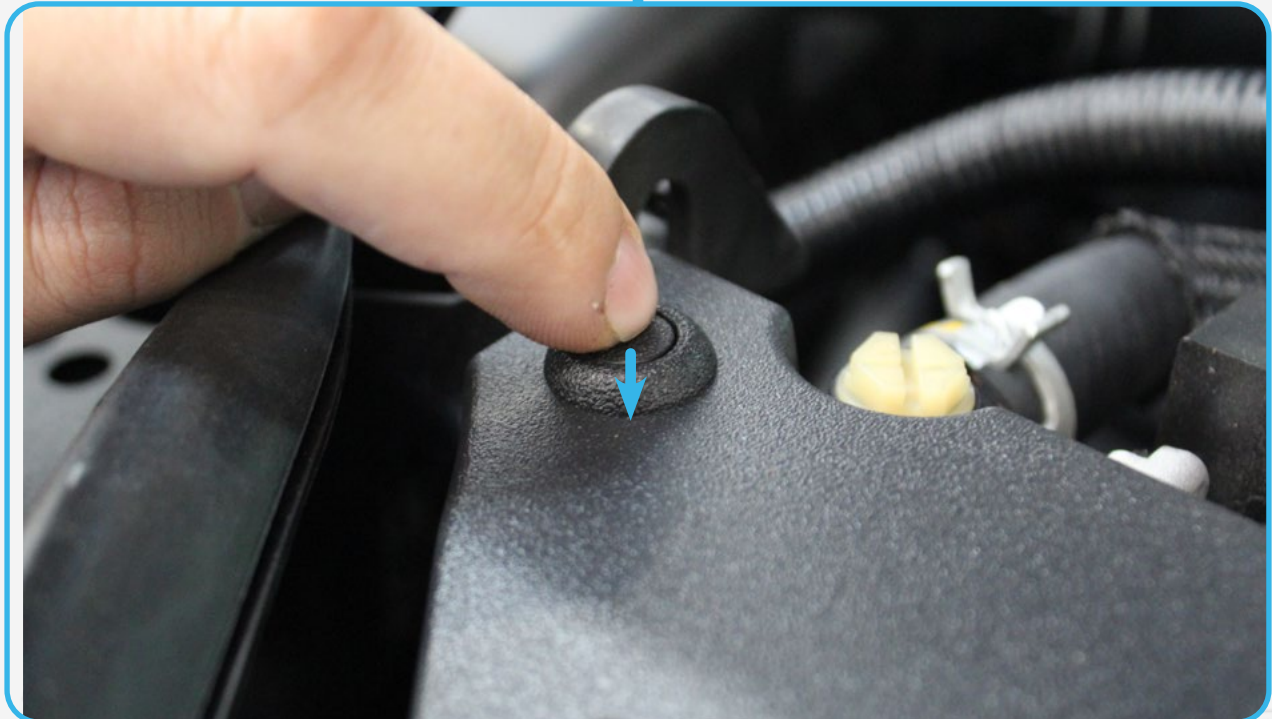
□ STEP 4

Using a (10mm socket), remove the 2x bolts located near the center of the front bumper as shown below.



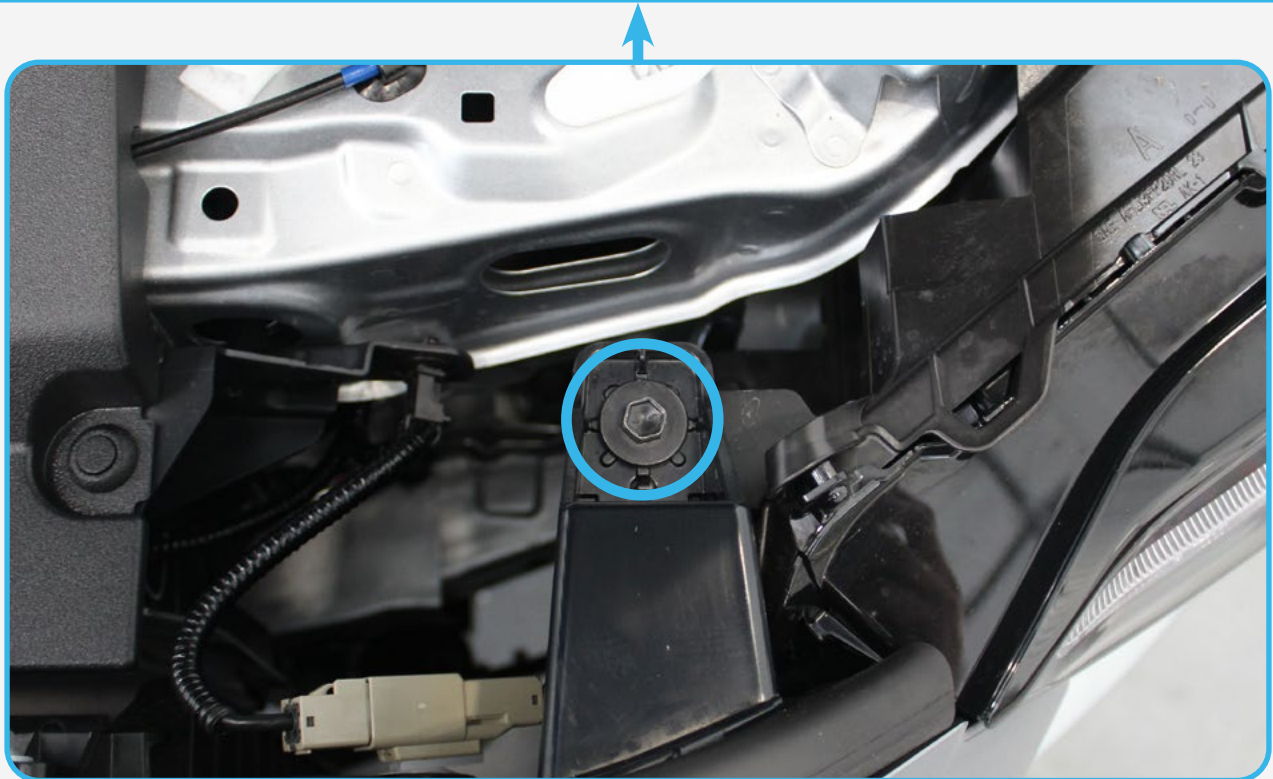
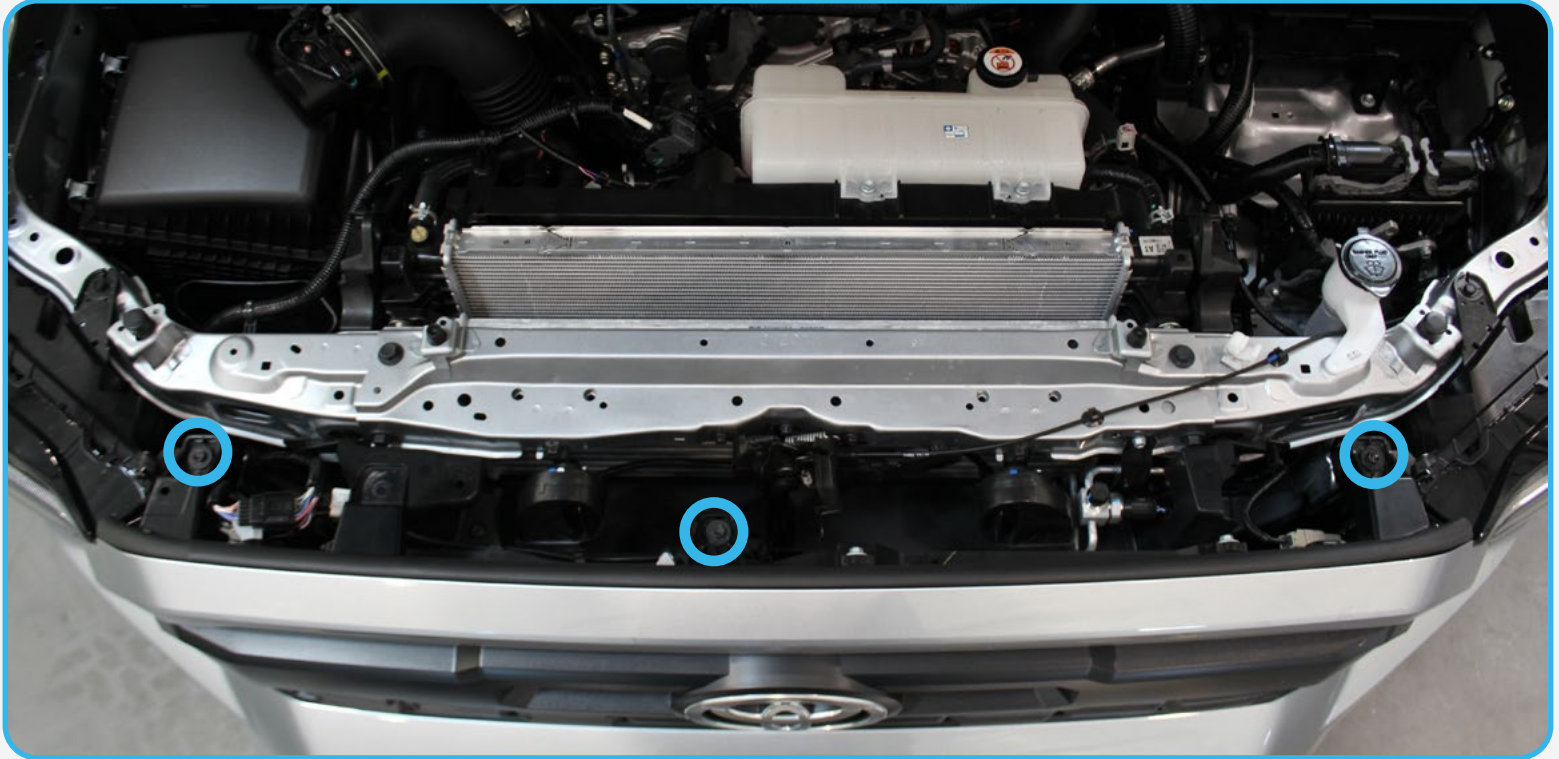
□ STEP 5

Open the hood and remove the 12x push pins by pushing the center down to release. Remove covers and set aside.



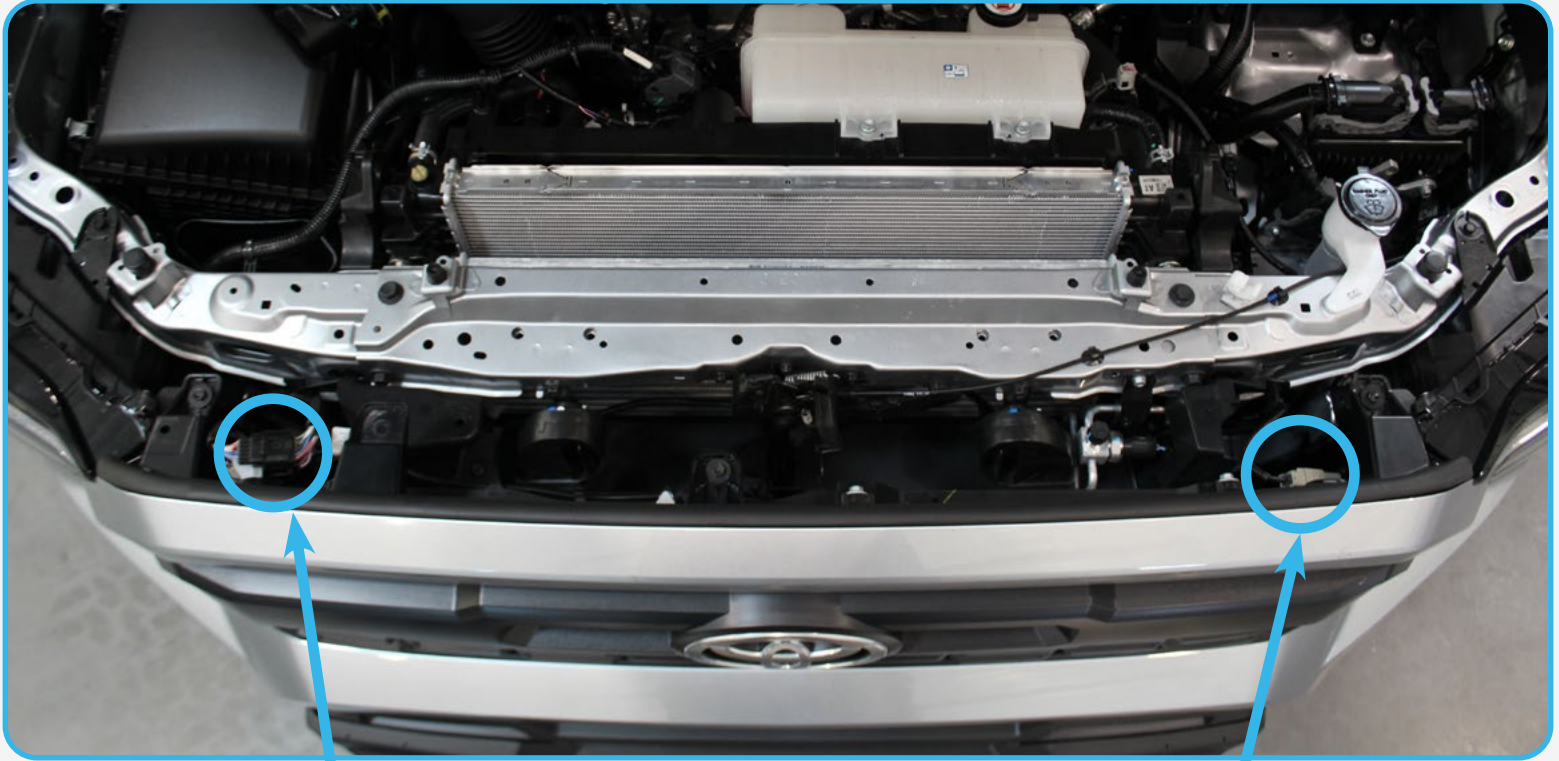
□ STEP 6

Using a (10mm socket) remove the 3x bolts as shown below.



□ STEP 7

Unplug the wiring harness and front camera plugs located on driver and passenger side.



□ STEP 8

Using a (flathead screwdriver) and a (10mm socket), remove the 4x bolts as shown below on each side located inside the wheel well.



□ STEP 9

Pull the fender flair outwards to separate the bumper and grill from the inner fender liner.



□ STEP 10

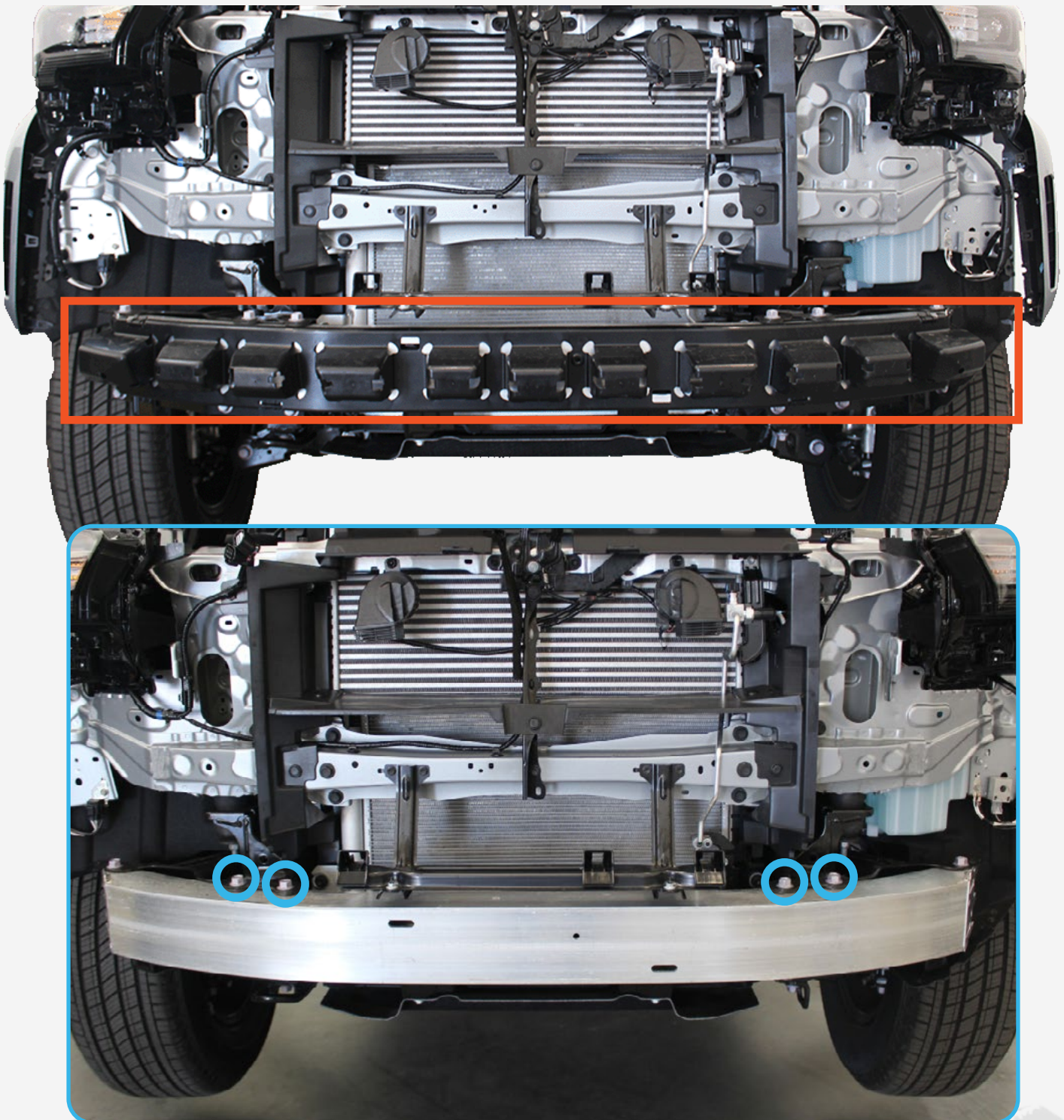
Using a (Philips head screwdriver), remove the bolts located behind the fender flair as shown below. You can now remove the bumper/grill assembly.



□ STEP 11

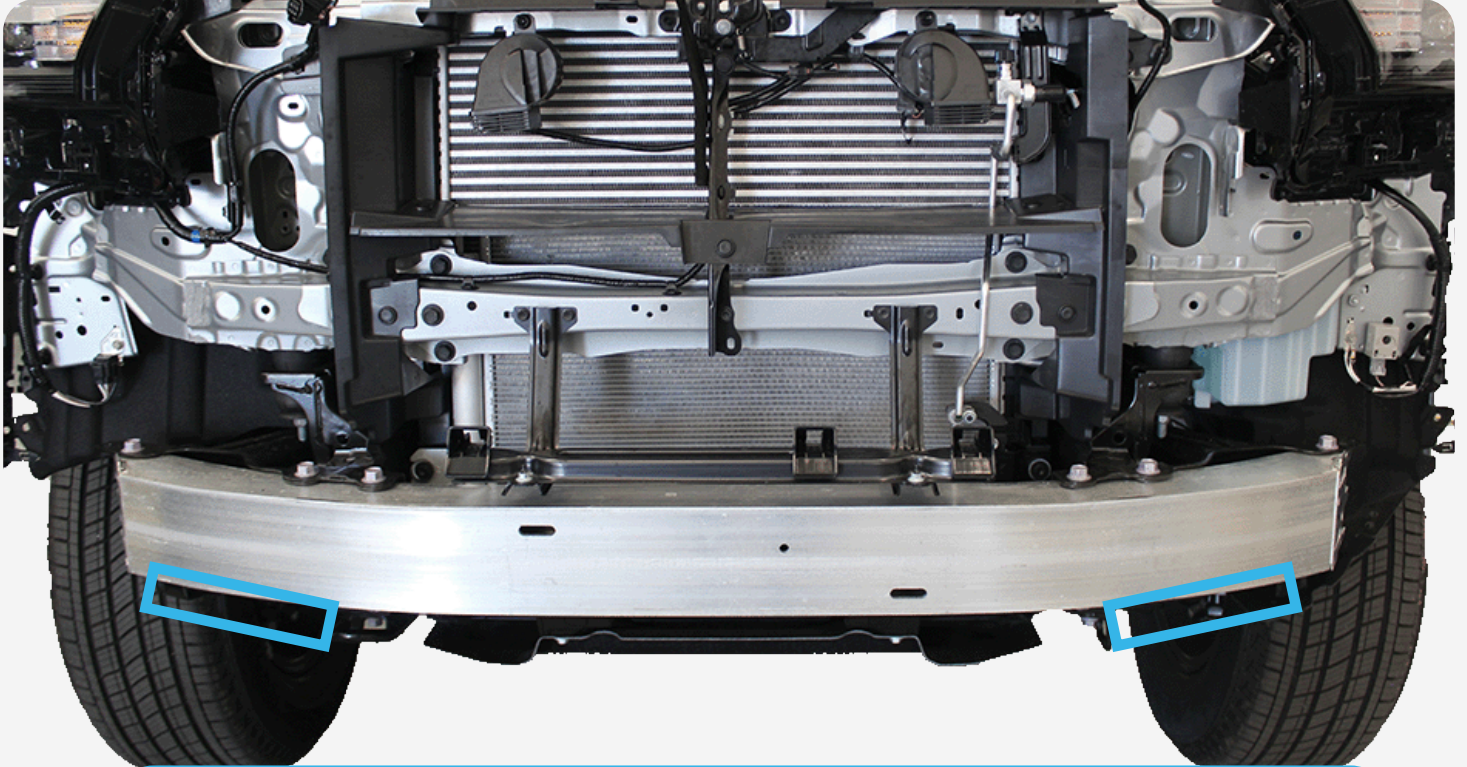
Remove the crash bar cover (no tools required)

Using a (17mm socket), remove the 4x bolts located on top of the crash bar as shown below.



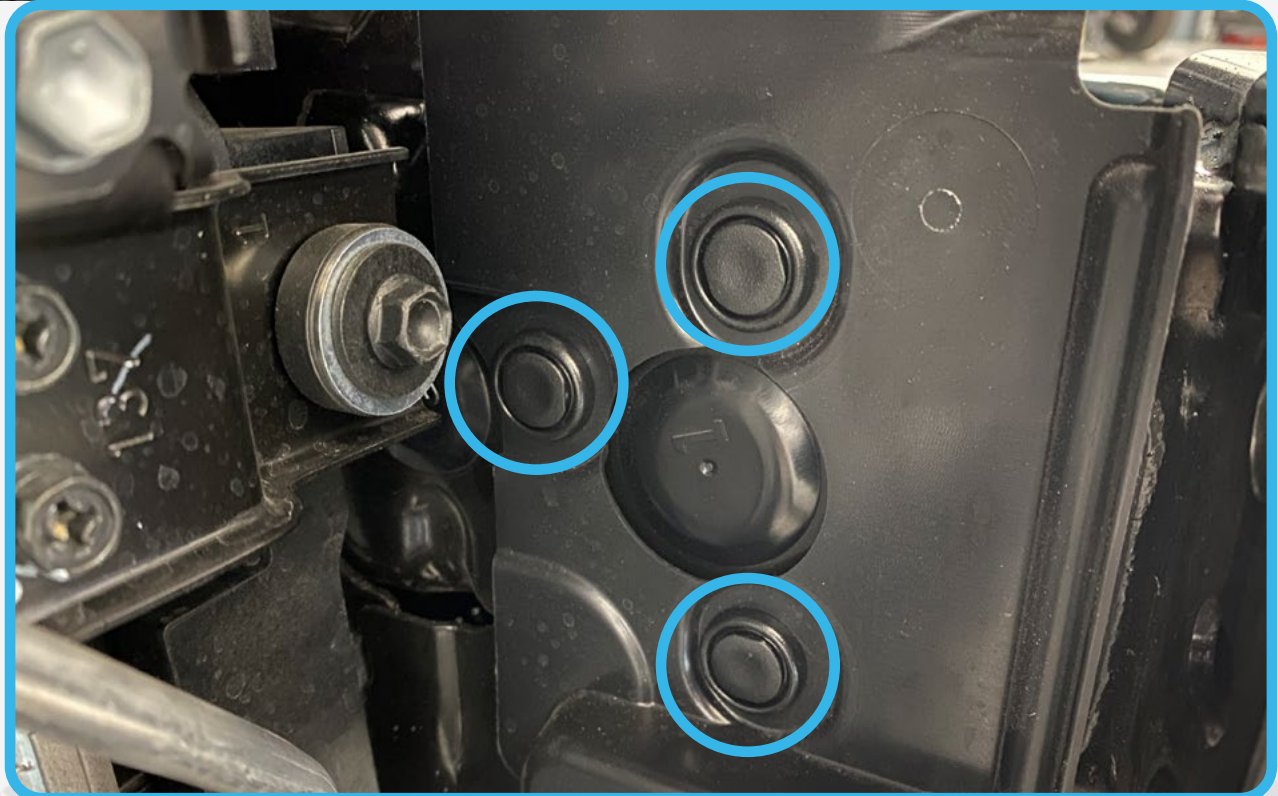
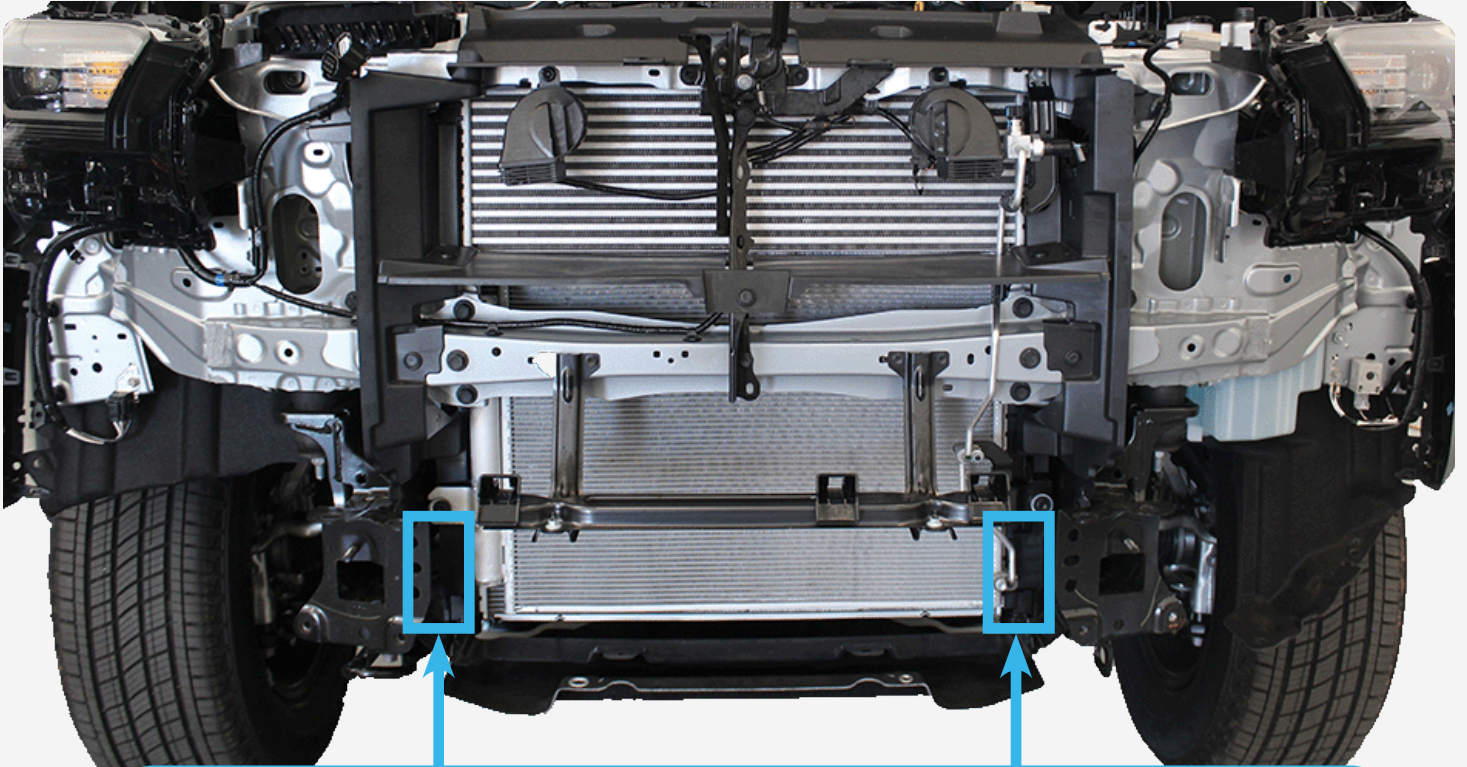
□ STEP 12

Using a (17mm socket), remove the 4x bolts located under the crash bar as shown below. You can now remove the crash bar.



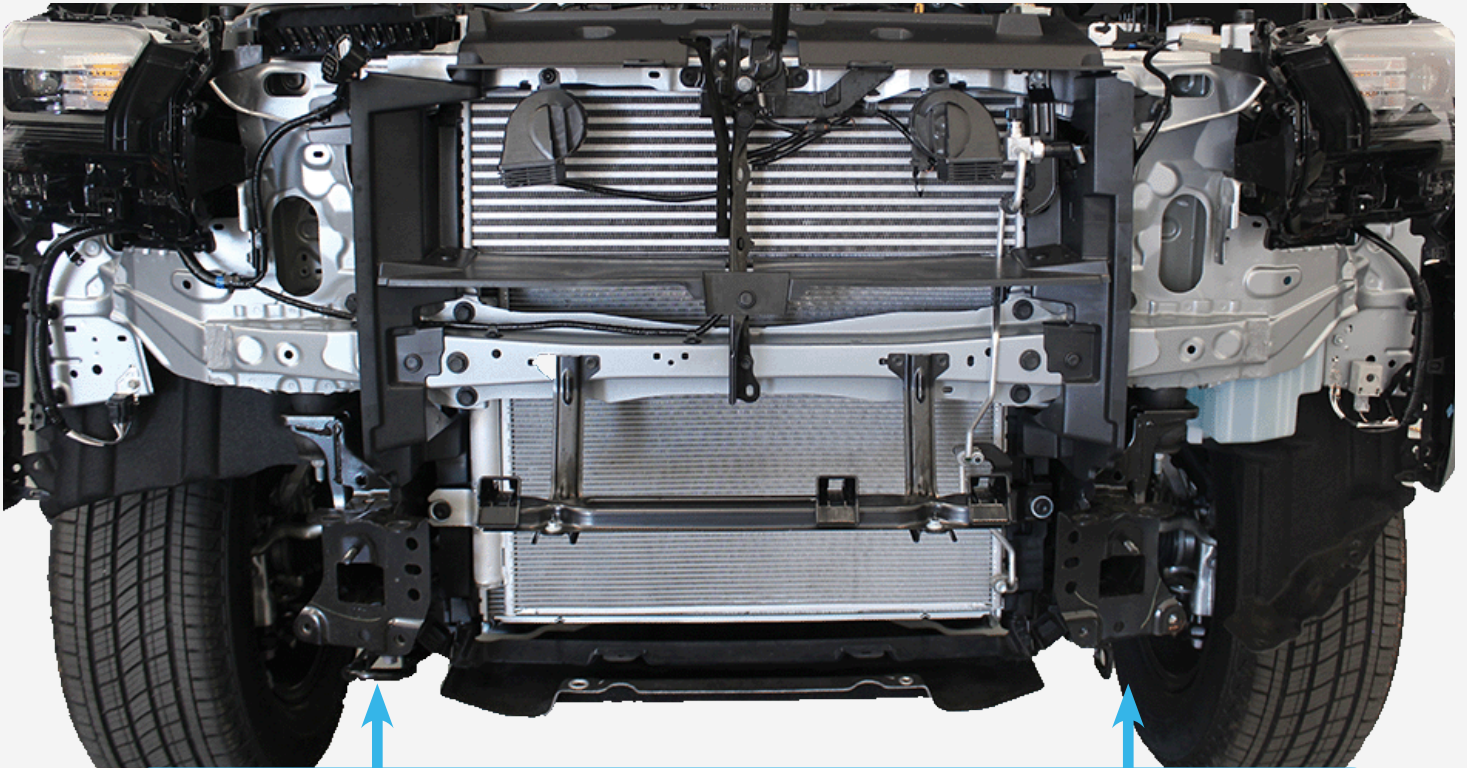
□ STEP 13

Using a (flat head screwdriver), remove the 6x push pins holding the lower shroud located on the inside of the frame rails in front of the intercooler.



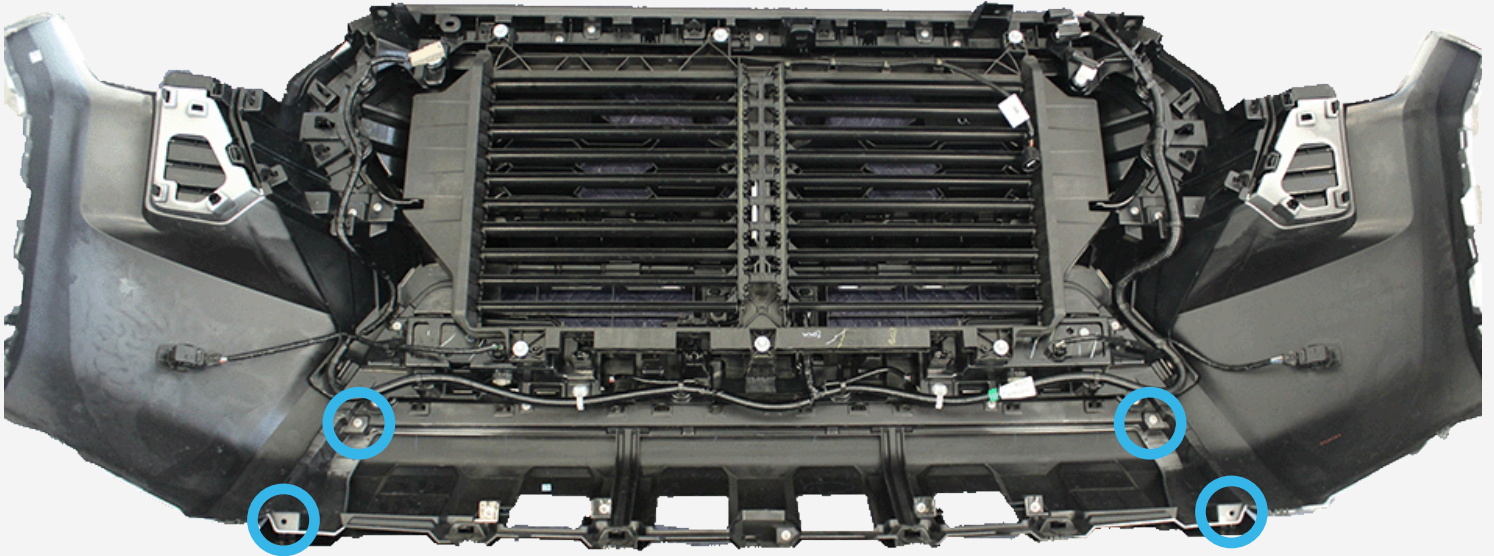
STEP 14

Using a (17mm socket), Remove the tow hooks as shown below.



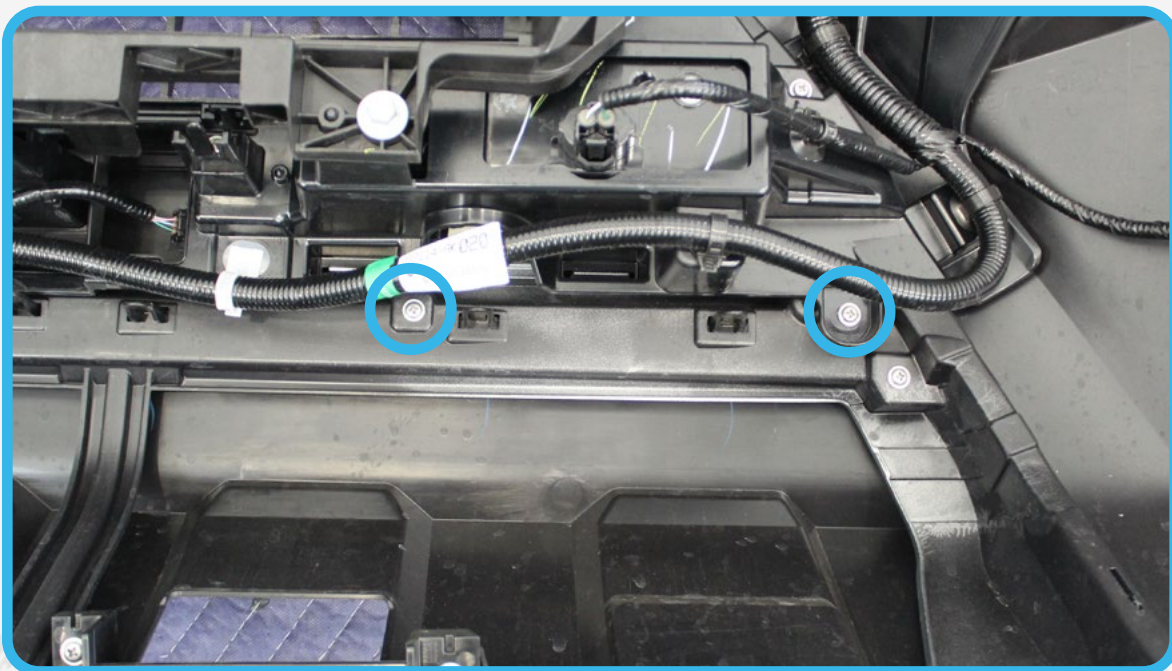
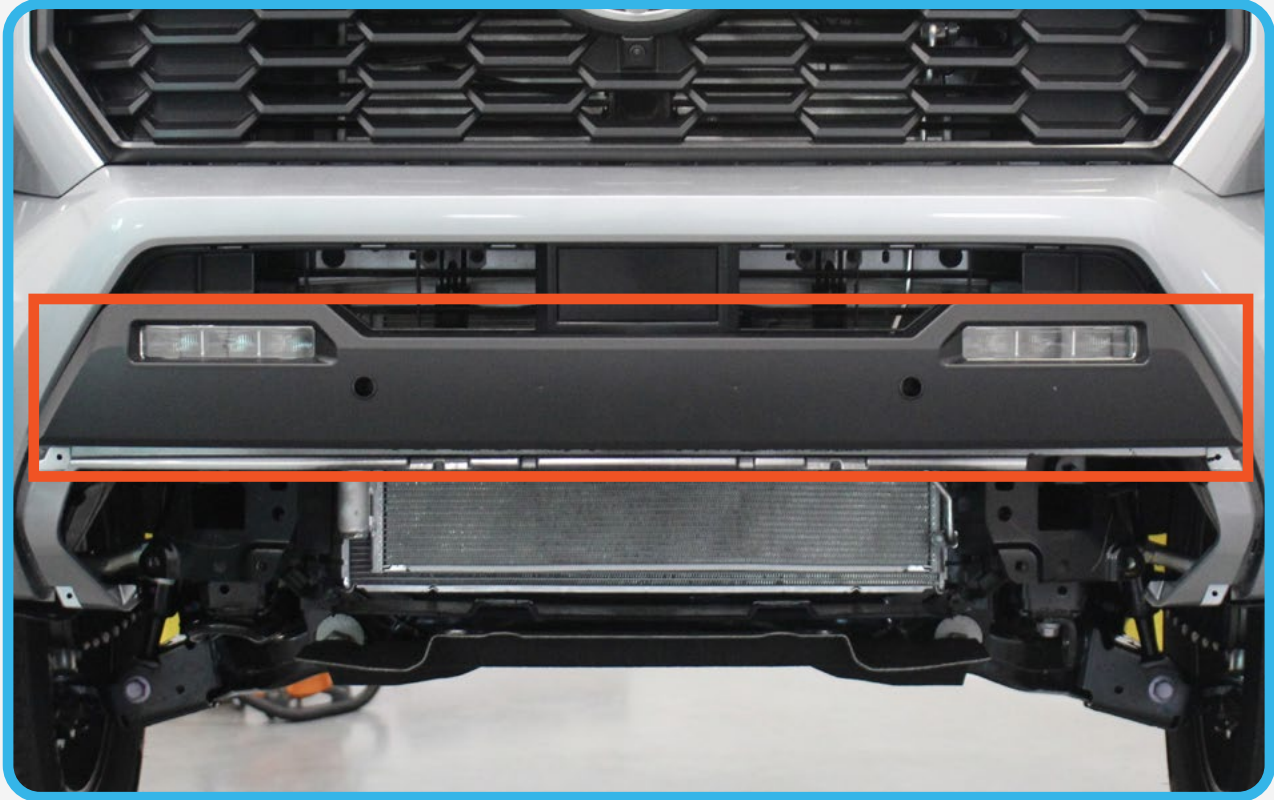
□ STEP 15

Using a (philips head screwdriver), remove the 4x screws holding the center section and pull to release clips holding the center plastic on the front side of the bumper off.



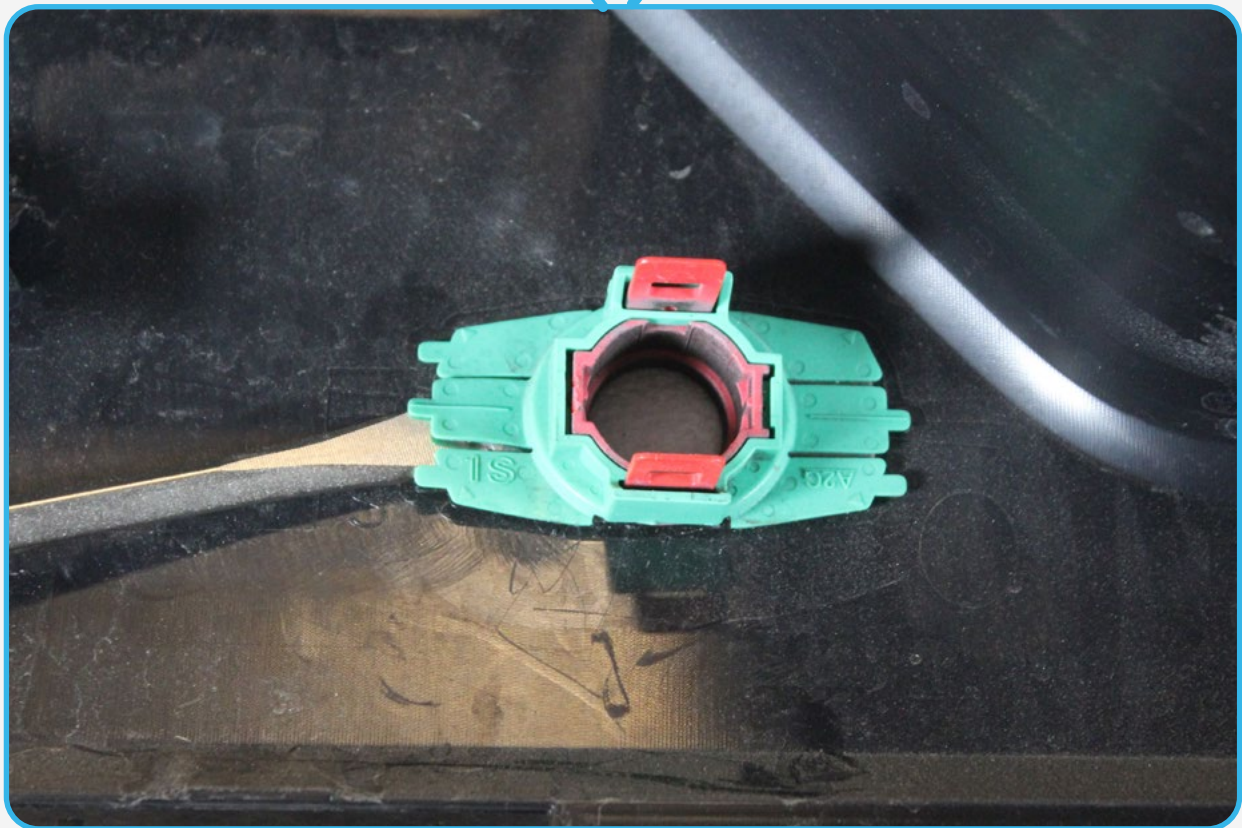
□ STEP 16

Remove the plastic holding the parking sensors as shown below using a (Philips head screwdriver) and pull to release clips to remove.



□ STEP 17

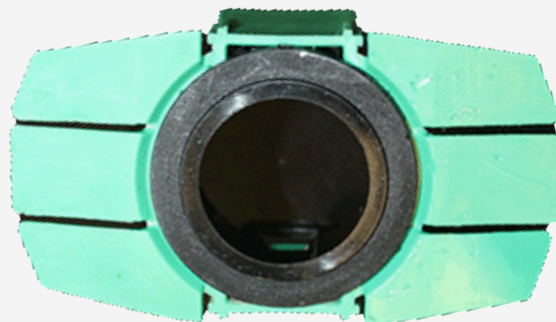
Use a (heat gun) to soften adhesive and use (flathead screwdriver) remove the sensor bezels from the plastic removed from step 16. ****Keep for install****



□ STEP 18

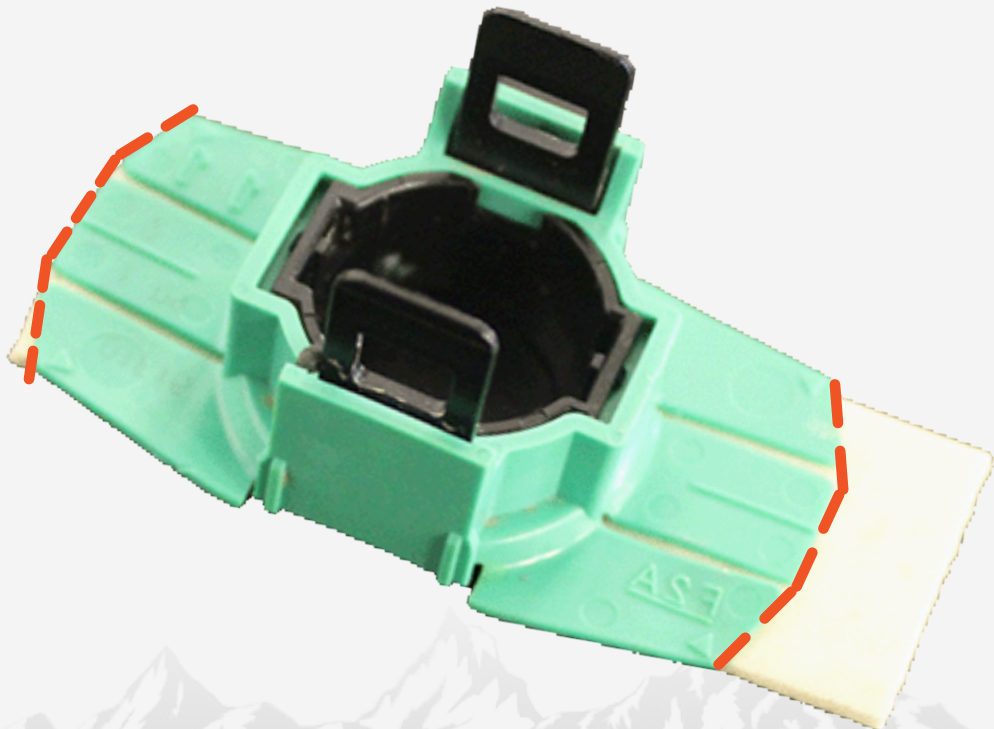
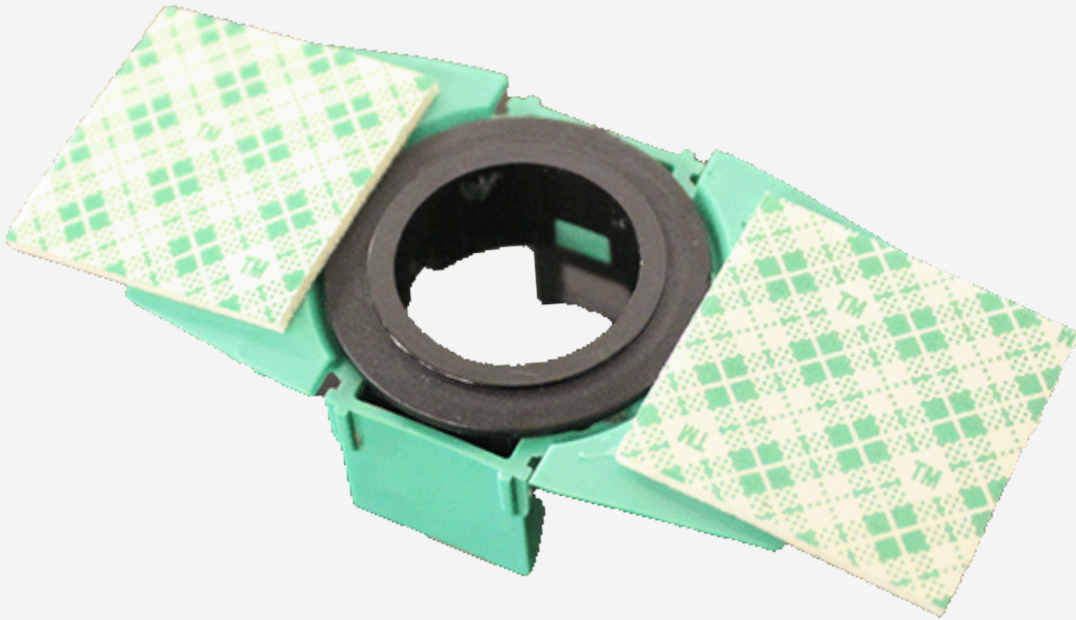
Remove double sided tape from the bezel until the surface is clear of residue.

Tec tip: Use a razor blade to remove adhesive.



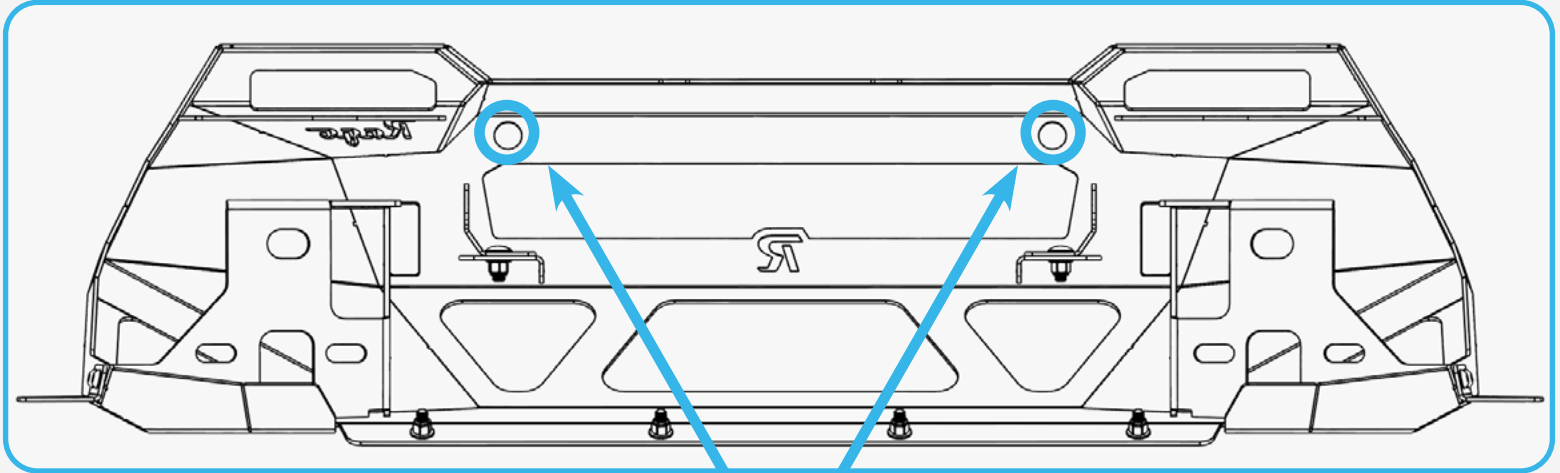
□ STEP 19

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



□ STEP 20

Install the sensor bezels in the orientation shown below.



STEP 21

Using a (philips head screwdriver) remove the hardware shown below.



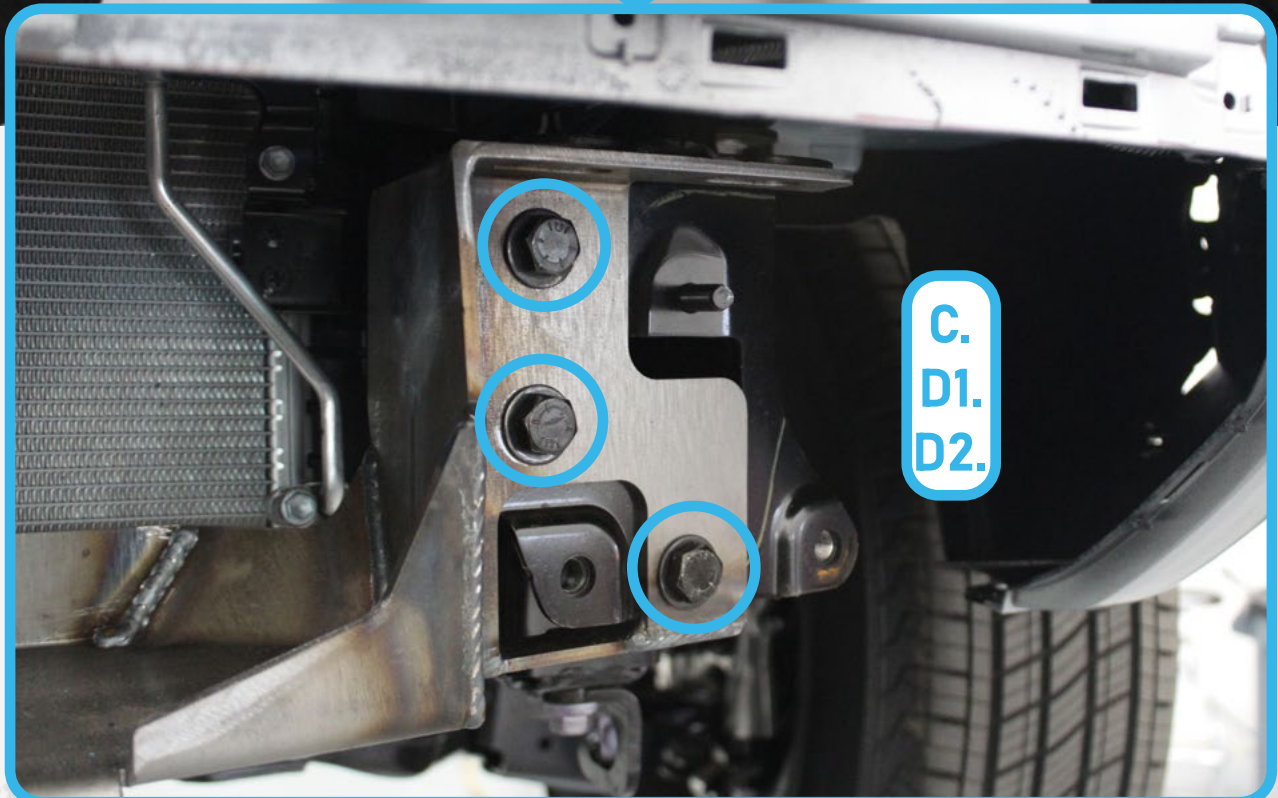
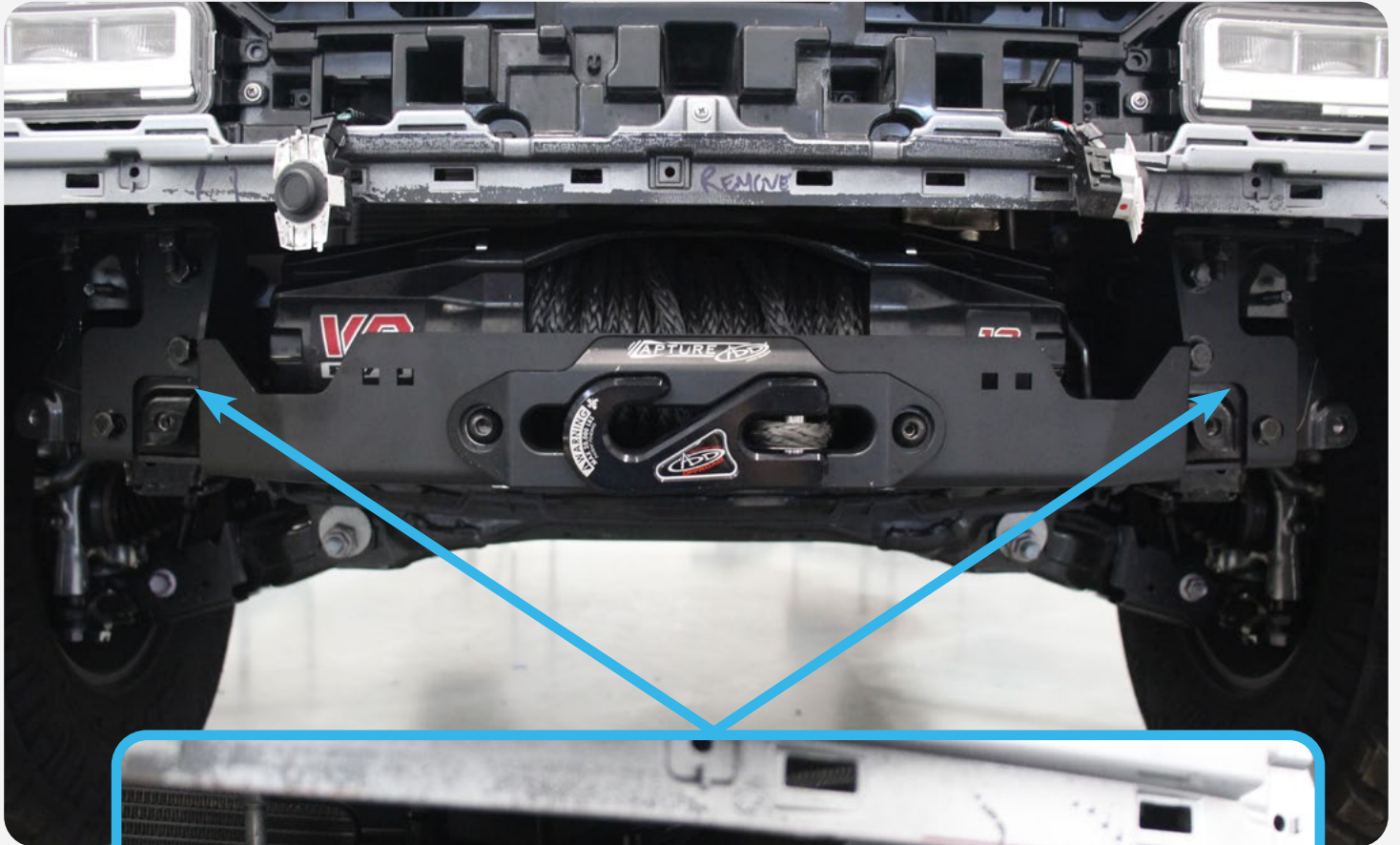
□ STEP 22

Using a (jigsaw) or your choice of cutting tools, cut along the edge as shown in FIG. 1 and cutting underneath the OEM lights as shown below. You may need to fit the bumper to the truck to check if you need to trim more. ****Avoid the wiring harness while cutting located above the line drawn from step 15****



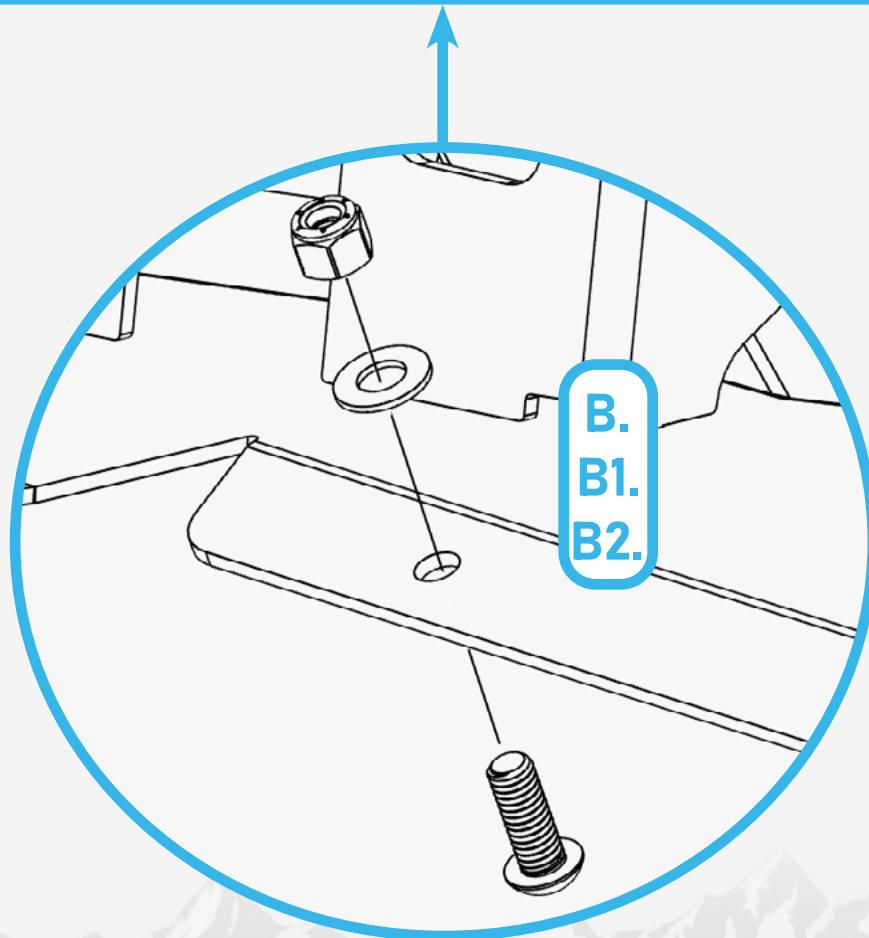
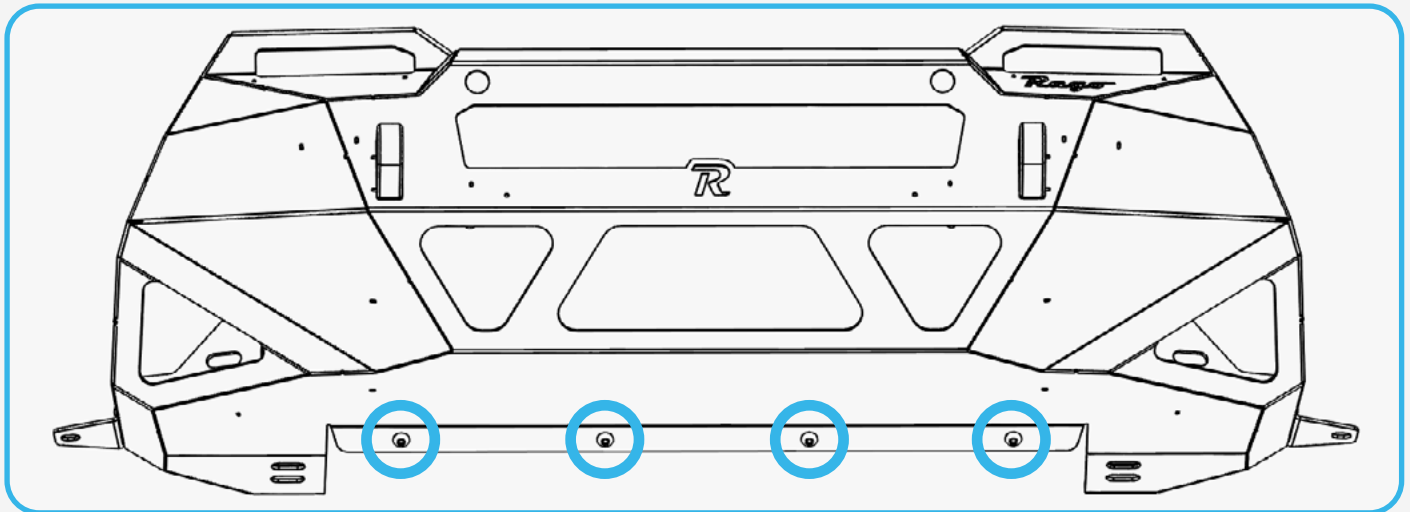
□ STEP 23

Carefully position the winch to not damage the innercooler. Install the winch mount with the provided (C, D1, D2) hardware using a (3/4 wrench) and a (3/4 socket). (INSTALL WINCH AND FAIRLEAD BEFORE MOUNTING TO THE TRUCK)



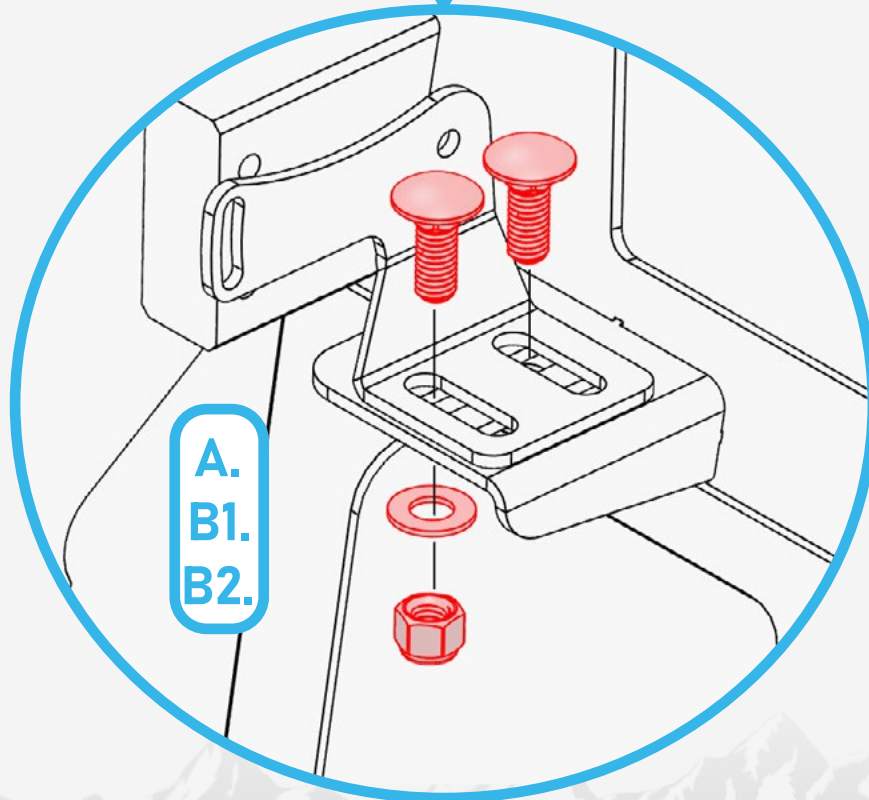
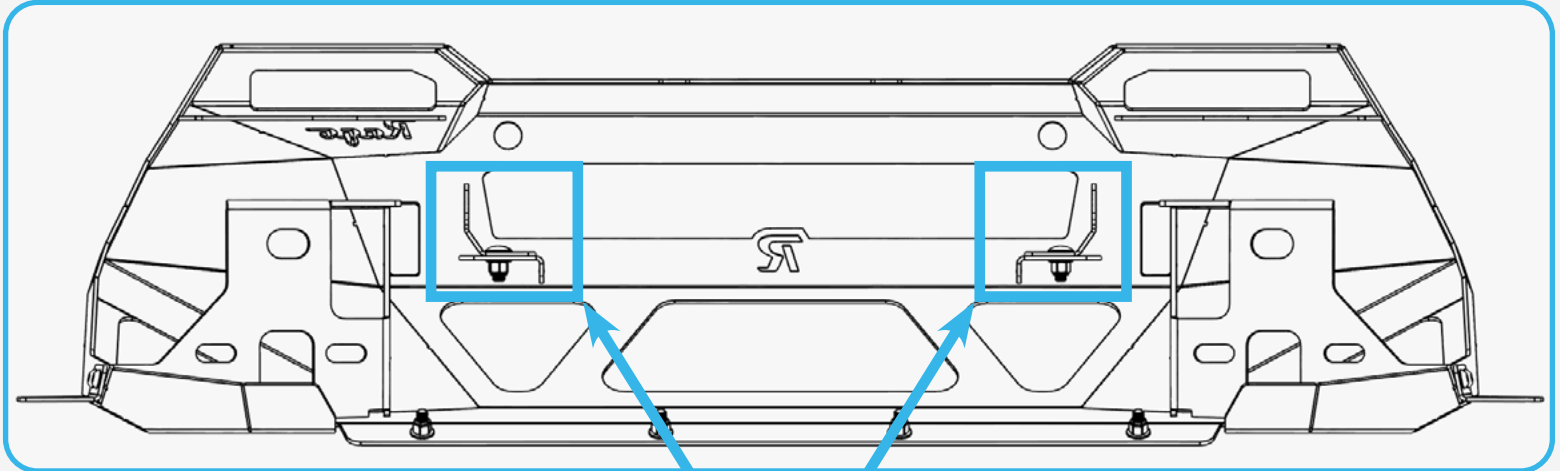
□ STEP 24

Install the provided (B, B1, B2) 3/8" hardware in the holes highlighted below using a (7/32 allen) and a (9/16 wrench).



□ STEP 25

Now would be a good time to install your light options by installing the provided universal light brackets with (A, B1, B2) 3/8" hardware using a (9/16 wrench).



□ STEP 26

With a helping hand, you can now install the bumper using a (17mm socket) with the hardware removed from step 11.

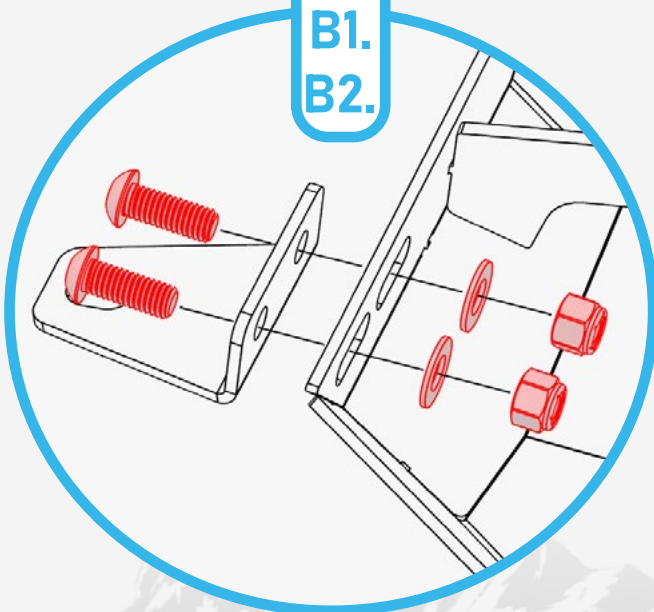


□ STEP 27

Install the valence support brackets with the provided (B, B1, B2) 1/4" hardware using (5/32 Allen) and a (7/16 wrench). Next install the provided (D, D1, D2) 1/2" hardware using a (5/16 allen) and a (3/4 wrench).



B.
B1.
B2.

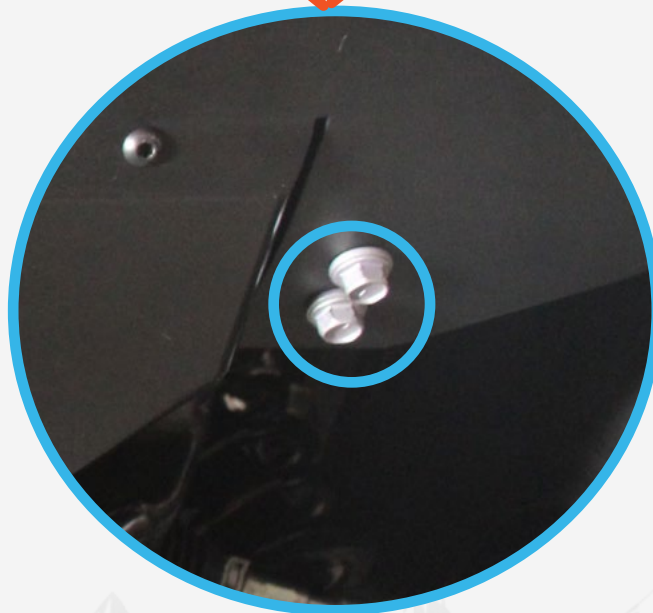


D.
D1.
D2.



□ STEP 28

Using a (12mm socket) install the OEM hardware removed from **step 11** on the bottom side of the bumper as shown below.



STEP 29

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

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

