

REAR HATCH LADDER

2025-UP TOYOTA 4RUNNER

AC7110201NA



TOOLS REQUIRED

- 10mm, 7/16, 9/16 sockets
- 10mm, 7/16, 9/16 wrenches
- Pushpin Puller or Flathead Screwdriver
 - Step Up Drill Bit
 - 9/16 Drill Bit
 - Marker
 - Tape Measure
 - 5/32, 3/16 Allen



SKILL LEVEL

- Easy



TIME REQUIRED

- Approximately 45 Minutes

⚠ 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 1/2" BUTTON HEAD BOLT

QTY: 2

A1.



1/4-20 X 5/8" BUTTON HEAD BOLT

QTY: 4

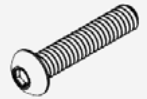
A2.



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

QTY: 4

A3.



1/4-20 X 1" BUTTON HEAD BOLT

QTY: 2

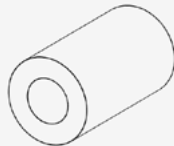
A4.



1/4-20 X 1 1/2" BUTTON HEAD BOLT

QTY: 3

B.



1/4 X 1/2 SPACER

QTY: 3

C.



M6 WASHER

QTY: 23

C1



1/4" FENDER WASHER

QTY: 3

C2.



1/4" FLAT WASHER

QTY: 2

C3.



1/4-20" NYLON LOCK NUT

QTY: 13

D.



5/16-18 X 1" BUTTON HEAD BOLT

QTY: 18

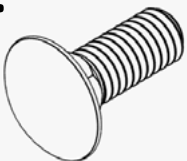
D1.



M8 FLAT WASHER

QTY: 18

E.



3/8-16 X 1" CARRIAGE BOLT

QTY: 8

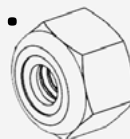
E1.



3/8" FLAT WASHER

QTY: 8

E2.



3/8-16" NYLON LOCK NUT

QTY: 8

F.



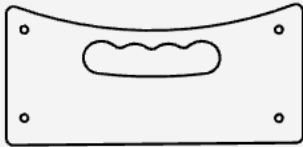
3/8-16" SNAP IN NUT

QTY: 2



PARTS

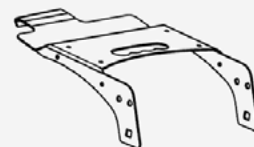
G.



AAC0107

QTY: 1

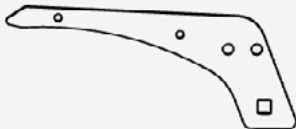
H.



SAC0291

QTY: 1

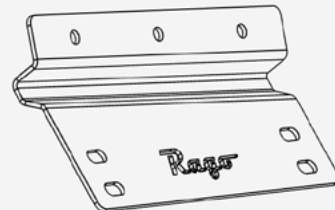
I.



AC40049, AC40050

QTY: 1

J.



5/16-18 X 1" BUTTON HEAD BOLT

QTY: 19

C1.



3/8" FLAT WASHER

QTY: 8

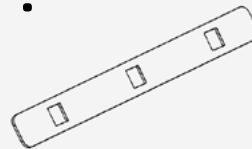
C1.



3/8" FLAT WASHER

QTY: 8

F.



3M DOUBLE SIDED TAPE
(TRIM TO FIT)

F.

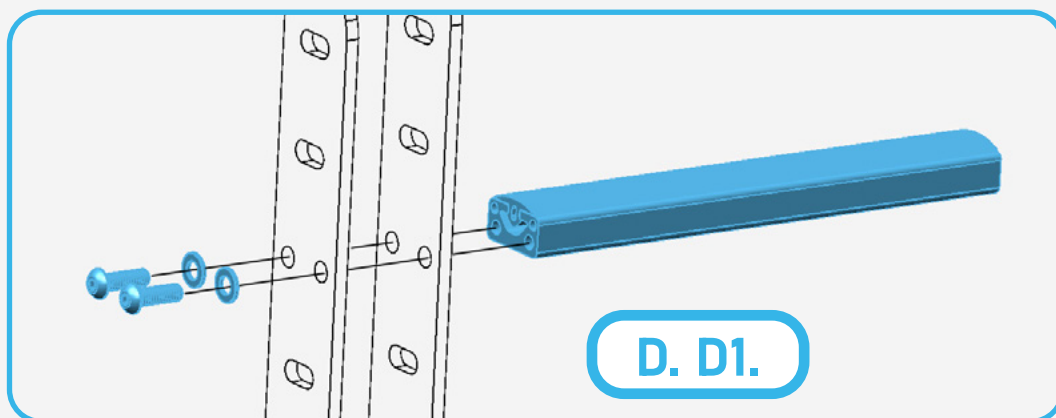
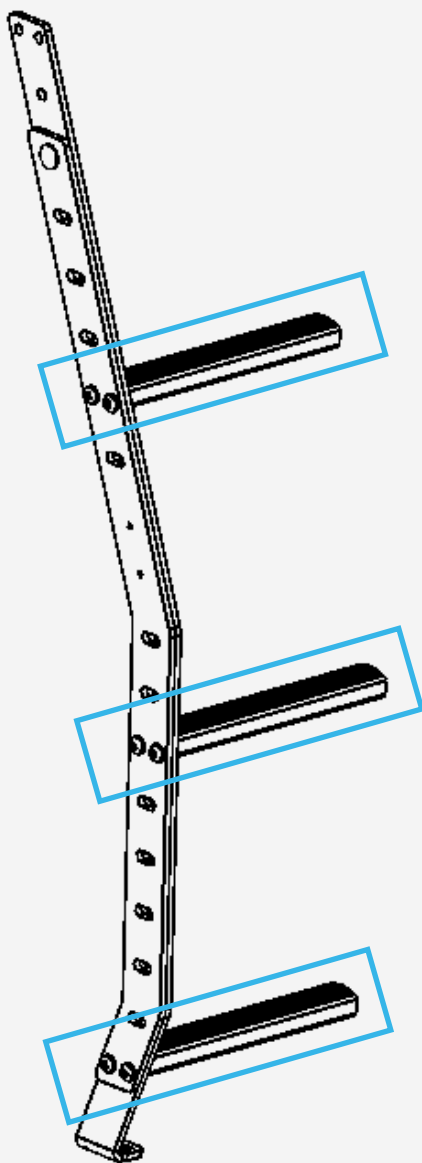


3M DOUBLE SIDED TAPE
(TRIM TO FIT)



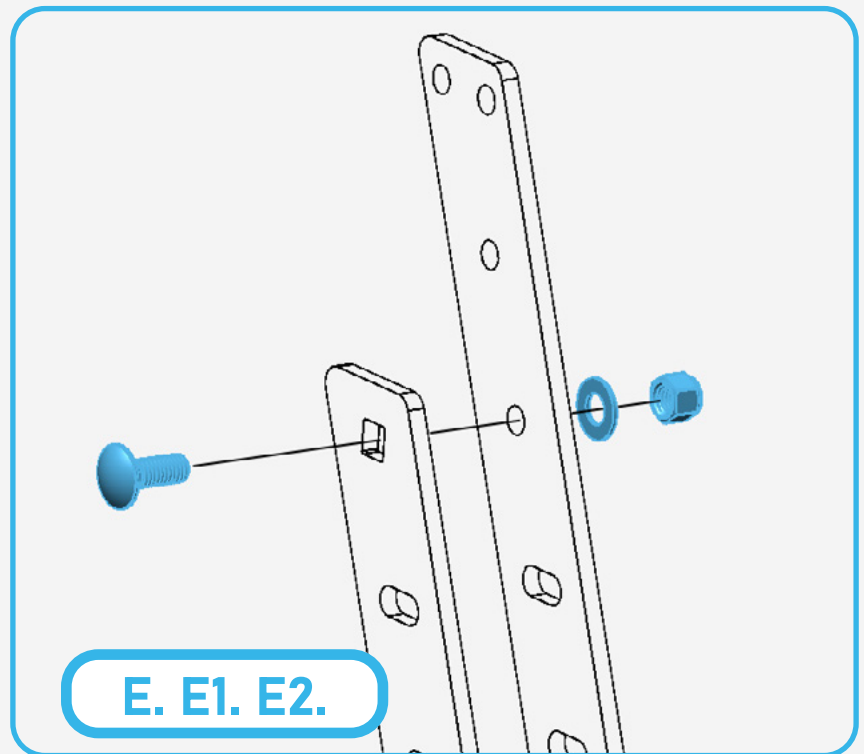
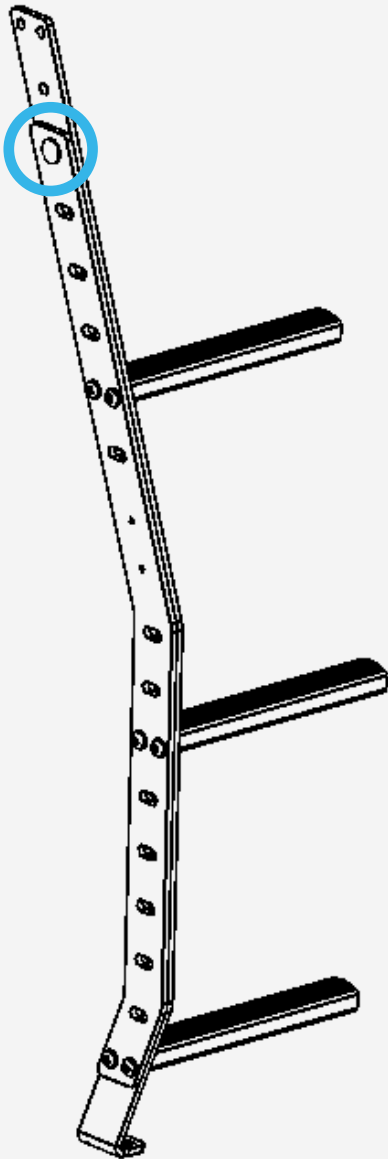
□ STEP 1

Assemble the ladder as shown below with the provided (D, D1) 5/16 hardware using a (3/16 allen).



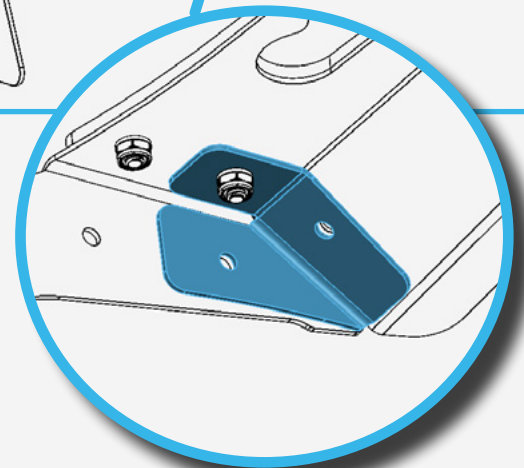
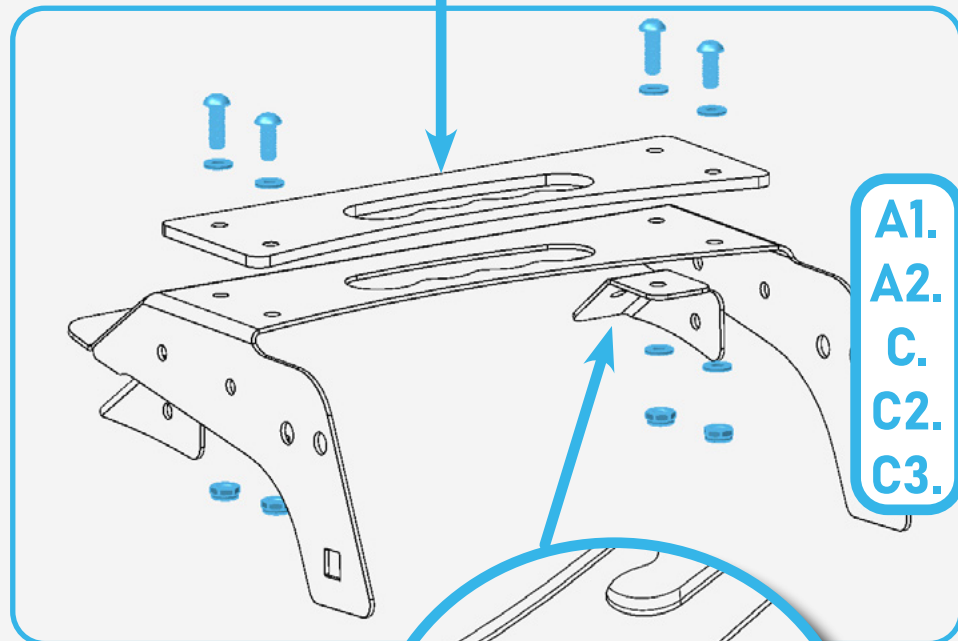
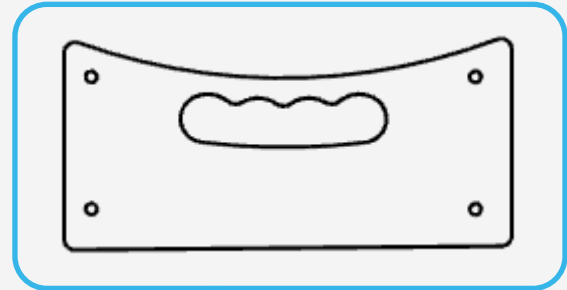
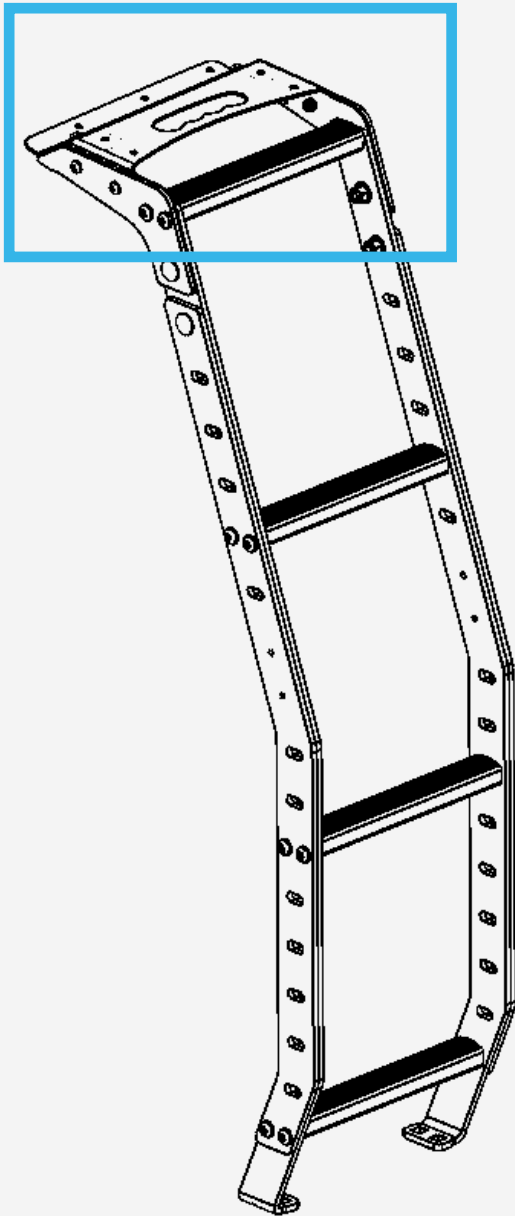
□ STEP 2

Install the provided (E, E1, E2) 3/8" hardware using a (9/16 wrench) as shown below.



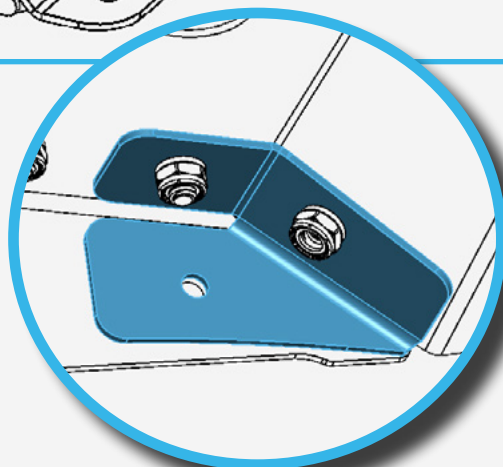
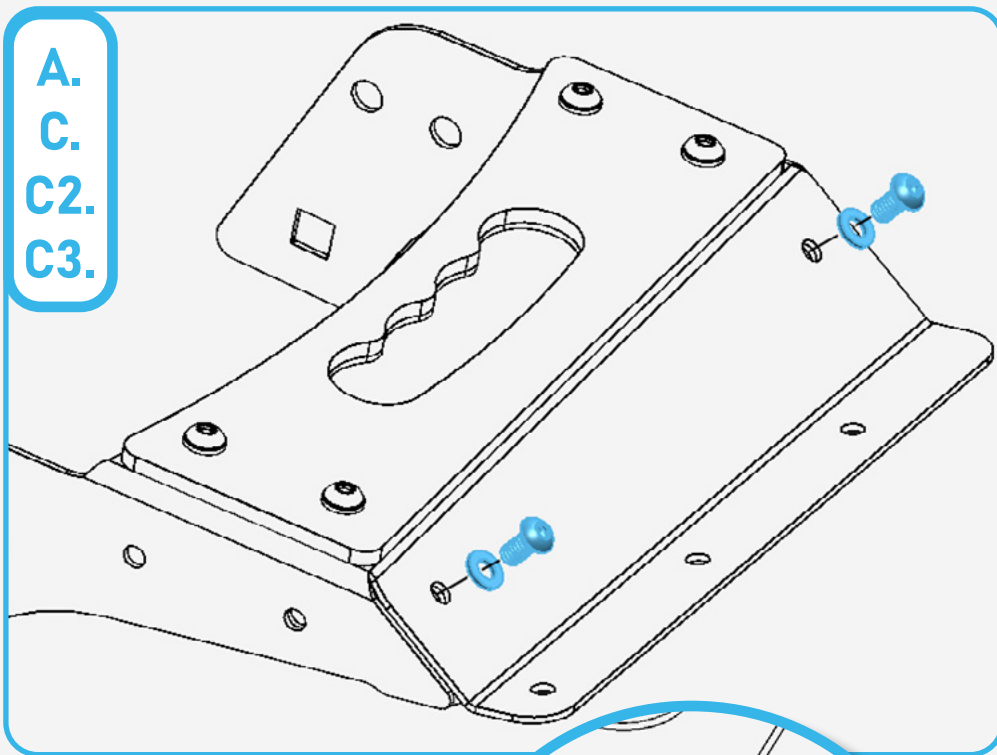
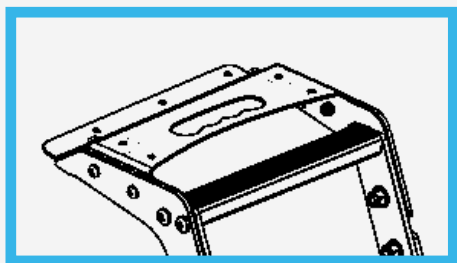
□ STEP 3

Assemble the top bracket as shown below with the highlighted tab below with the provided (A1, A2, C, C2, C3) 1/4" hardware using a (5/32 allen) and a (7/16 wrench).



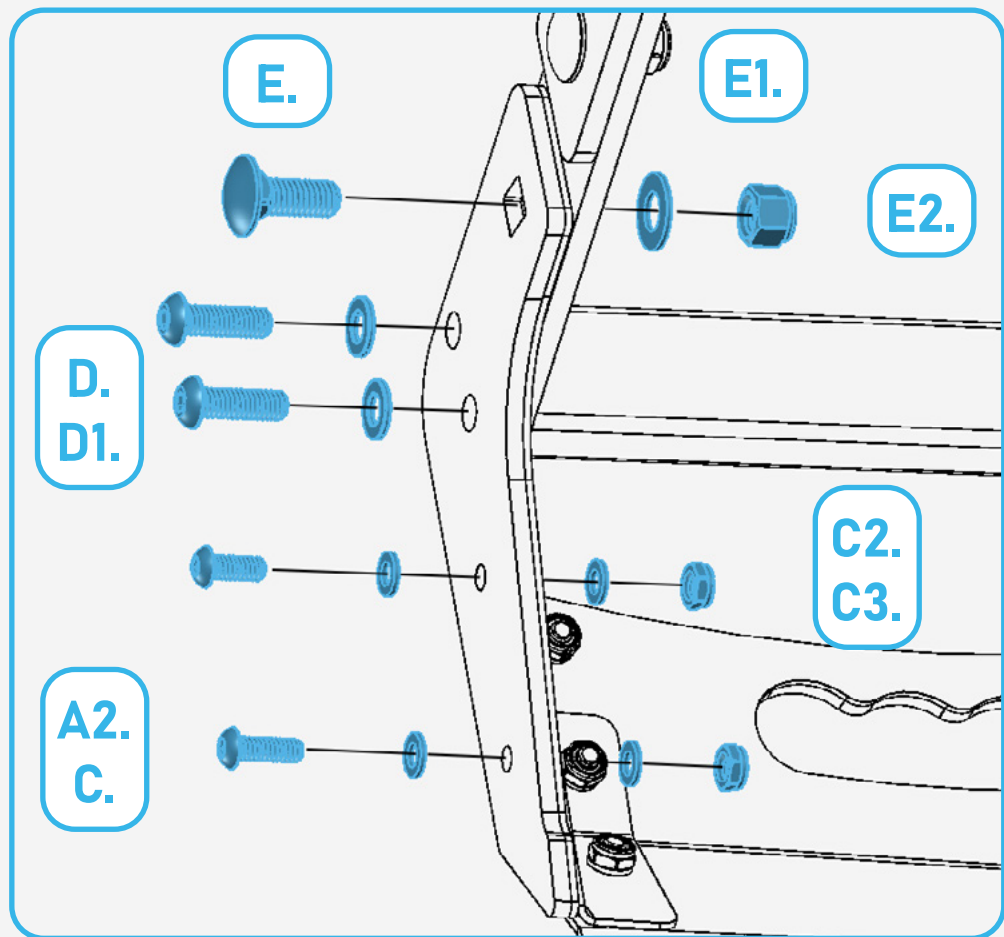
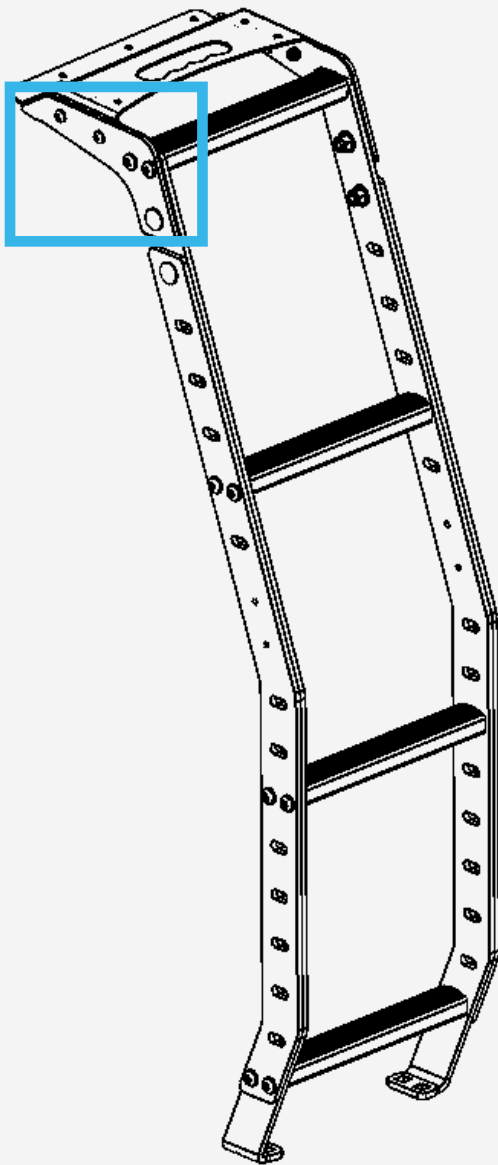
□ STEP 4

Next install the provided **(A, C, C2, C3)** 1/4" hardware as shown below using a (7/16 wrench) and a (5/32 allen).



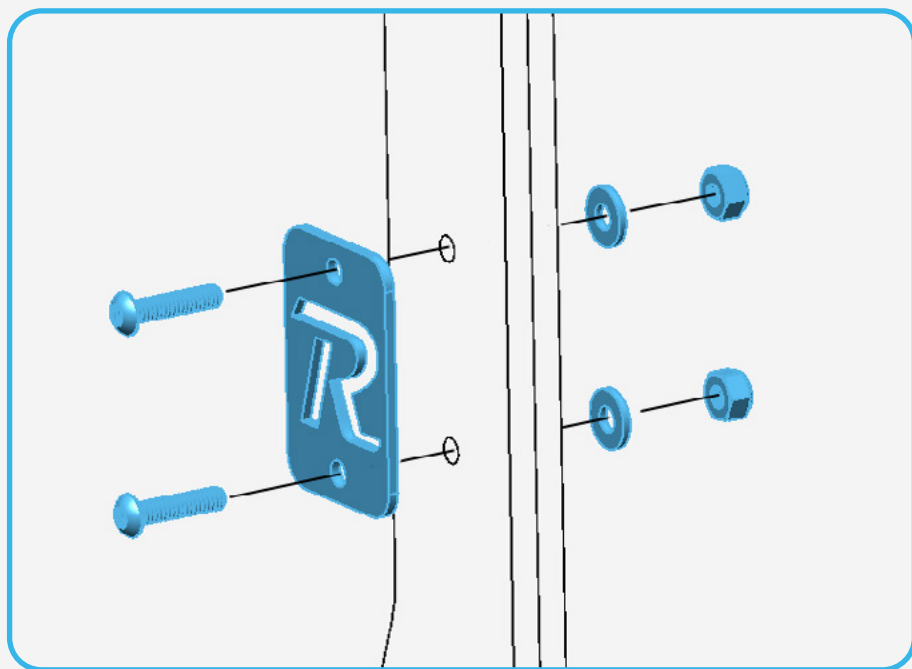
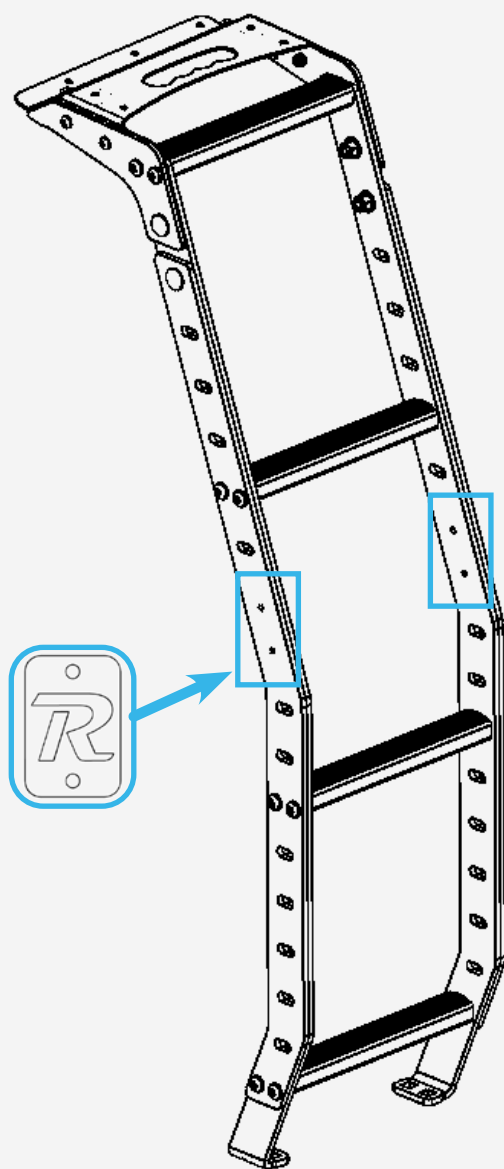
□ STEP 5

Install the mounting plate to the ladder assembled on **step 1 & 2** with the provided **(E, E1, E2) (D, D1) (A2, C, C2, C3)** hardware using a (9/16 wrench) (3/16 allen) (5/32 allen) and a (7/16 wrench).



□ STEP 6

Install the logo plate to the ladder with the provided (#10 Hardware).



□ STEP 7

Open the hatch and remove the plastic cover as shown below.



□ STEP 8

Next, Remove the handle as shown below by pulling.



□ STEP 9

You can now remove the plastic cover on the inside of the hatch by pulling.



□ STEP 10

Using a (10mm socket) remove the cover as shown below. (KEEP HARDWARE)



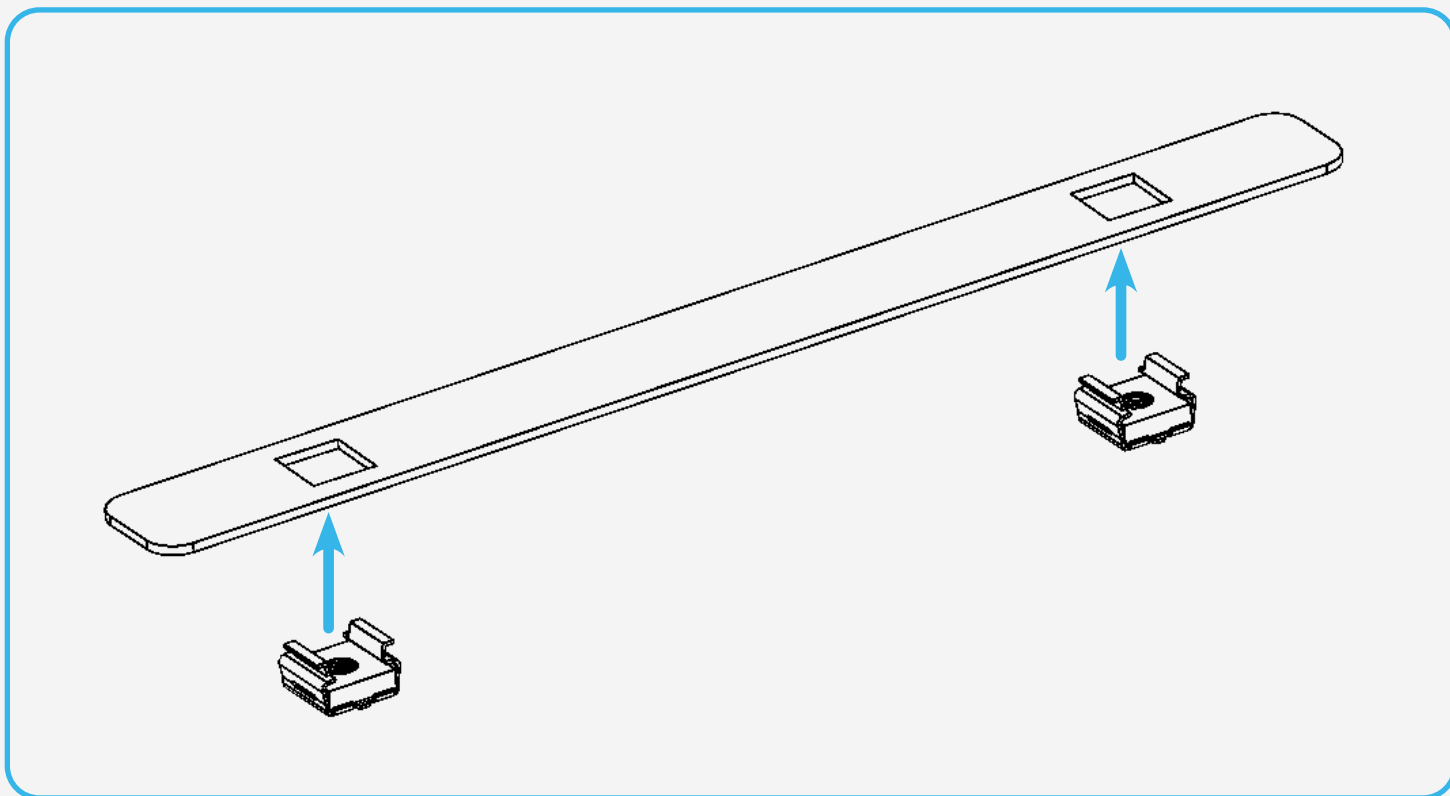
□ STEP 11

Place the bottom mounting bracket on the bottom of the hatch and measure from the corner shown below to the bracket 10-3/8" and mark the holes. Next, Drill a 3/8" hole.



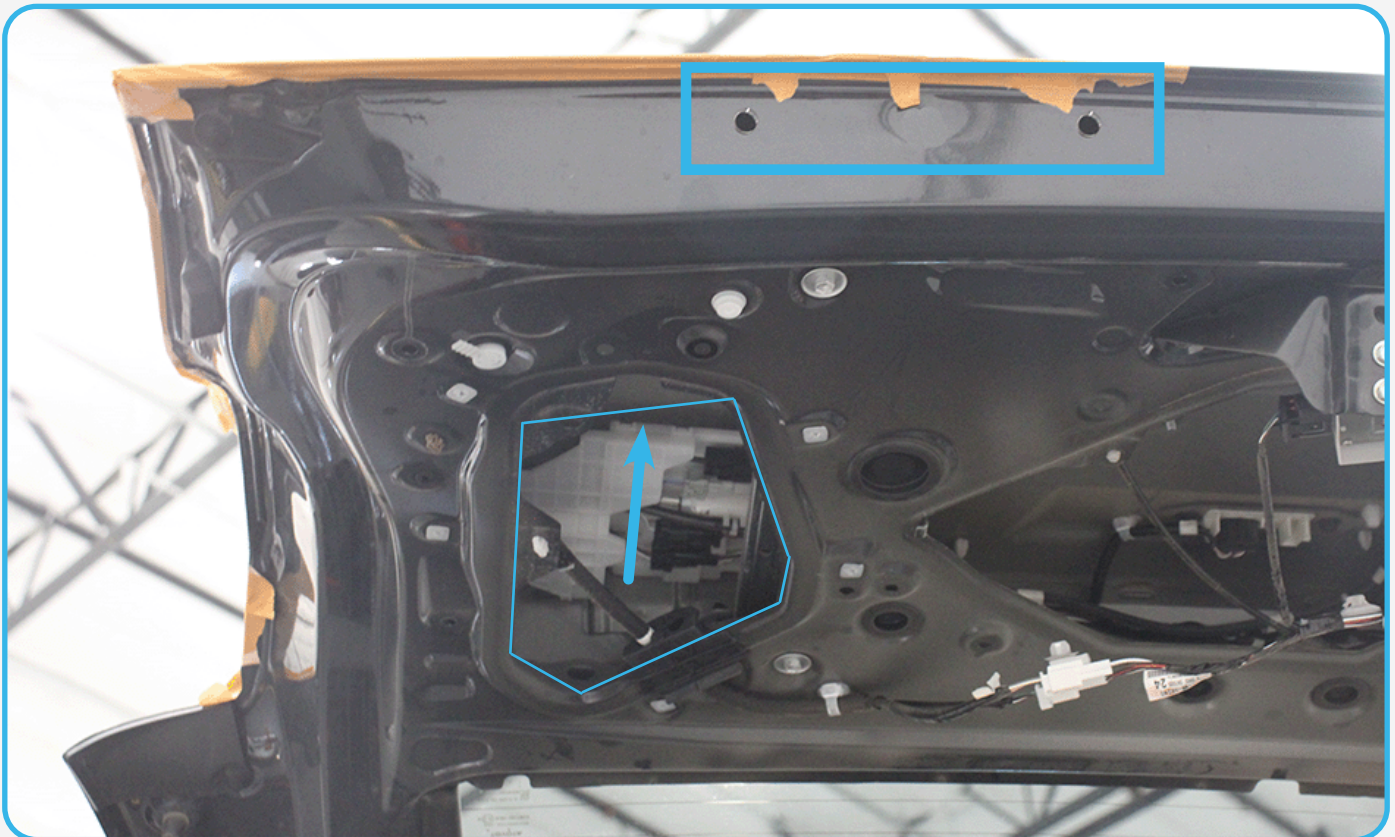
□ STEP 12

Assemble the provided (F) 3/8" snap in nut into the bracket shown below.



□ STEP 13

Slip the bracket into the opening as shown below and install the bottom mounting bracket to the holes drilled on step 11 with the provided (**D, D1**) 5/16 hardware using a (3/16 allen).



**D.
D1.**



□ STEP 14

Roll down the back window and locate the plastic cover shown below.



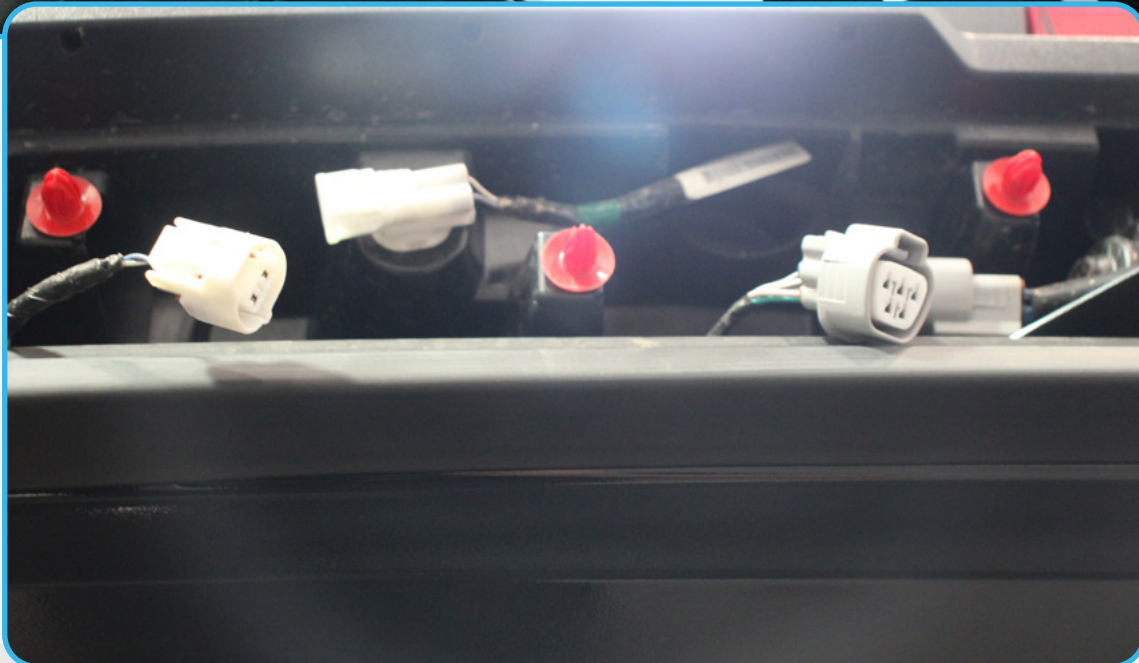
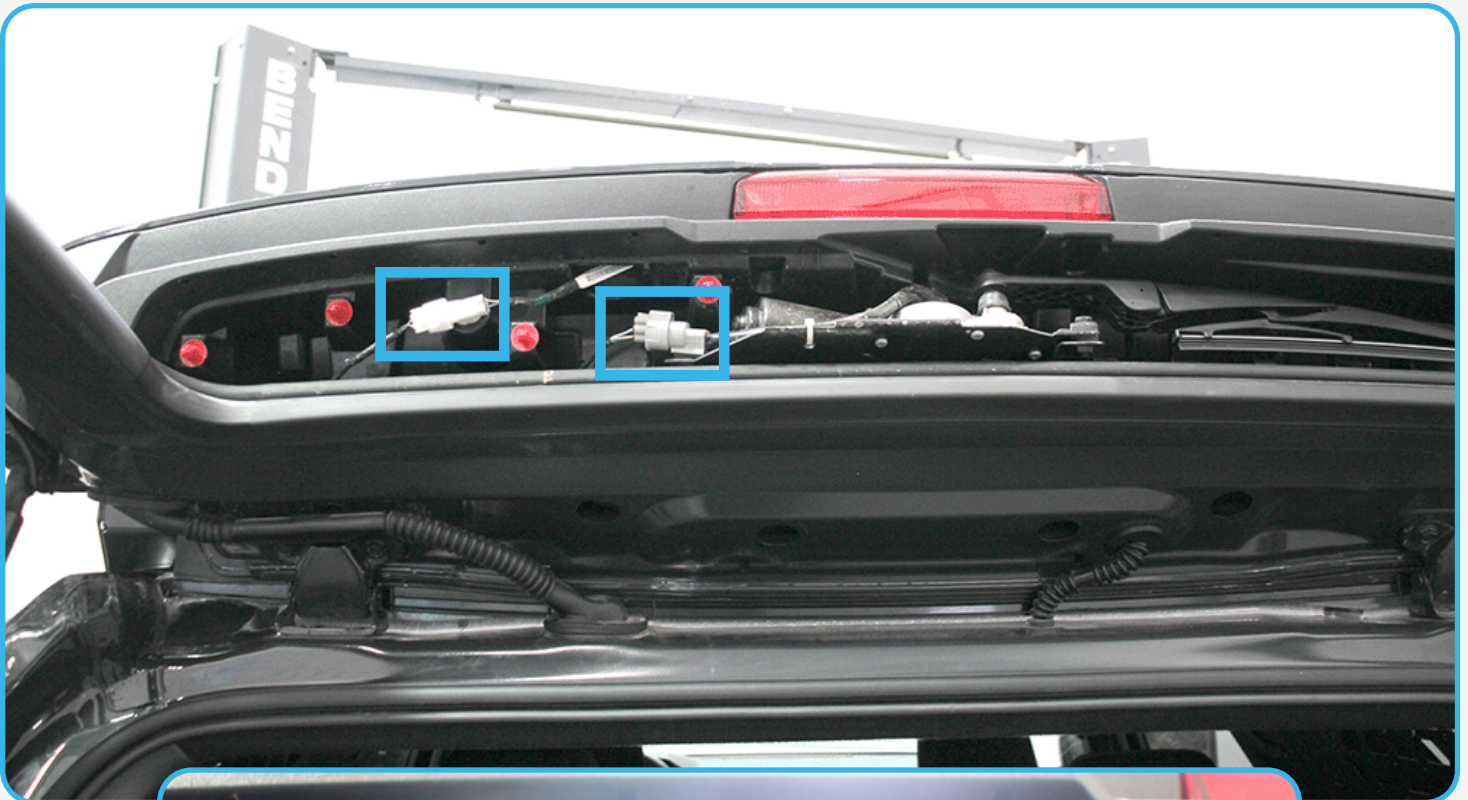
□ STEP 15

Remove the plastic cover by pulling.



□ STEP 16

Unplug the indicated plugs shown below.



□ STEP 17

Next, Remove the rubber plugs from the holes shown below and using a (10mm deep socket) remove the hardware. Next remove the spoiler from the vehicle by pulling. **(KEEP HARDWARE)**



□ STEP 18

Remove the plastic retaining clips shown below.



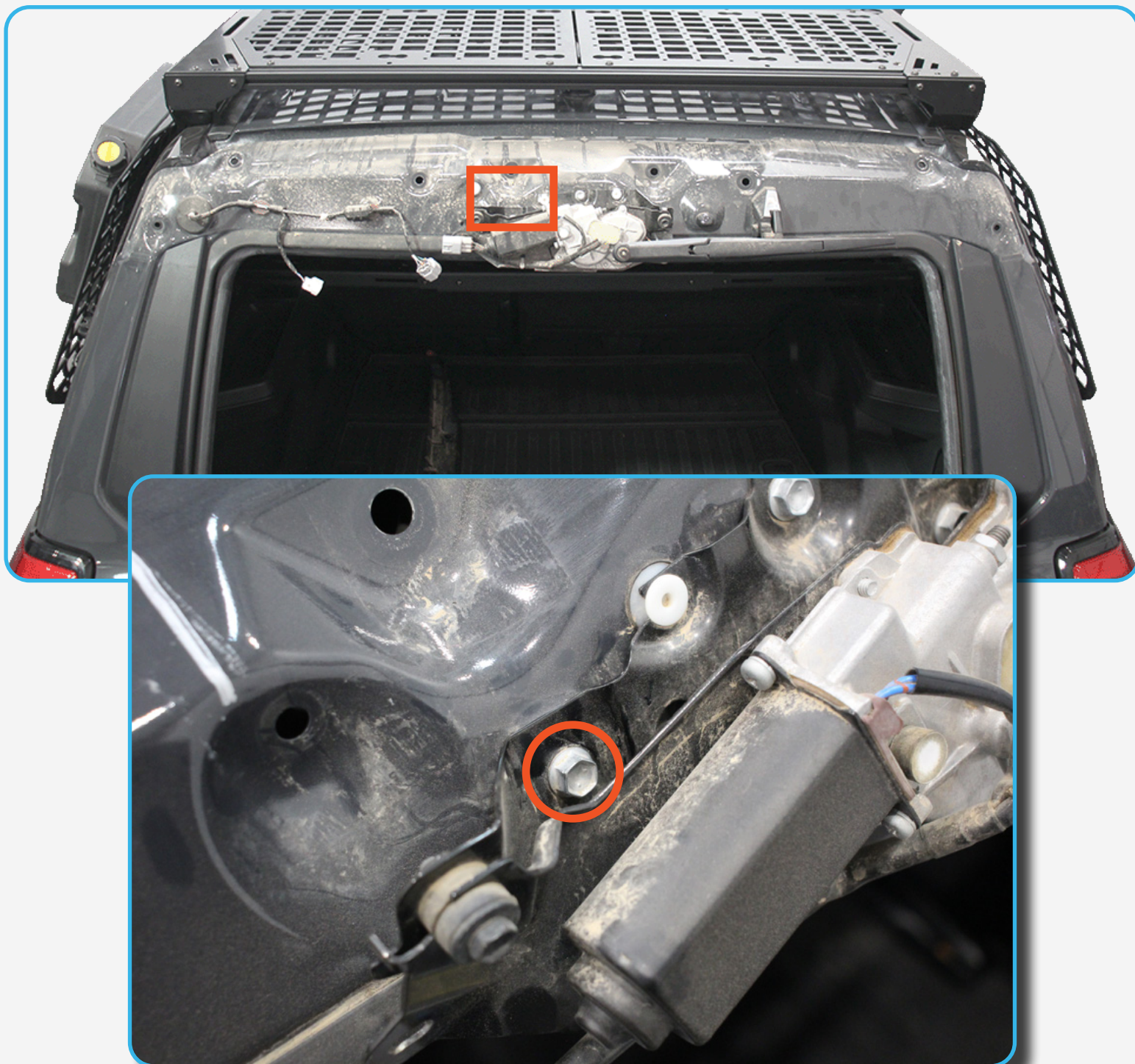
□ STEP 19

Using a (flathead screwdriver) pop the cap shown below.



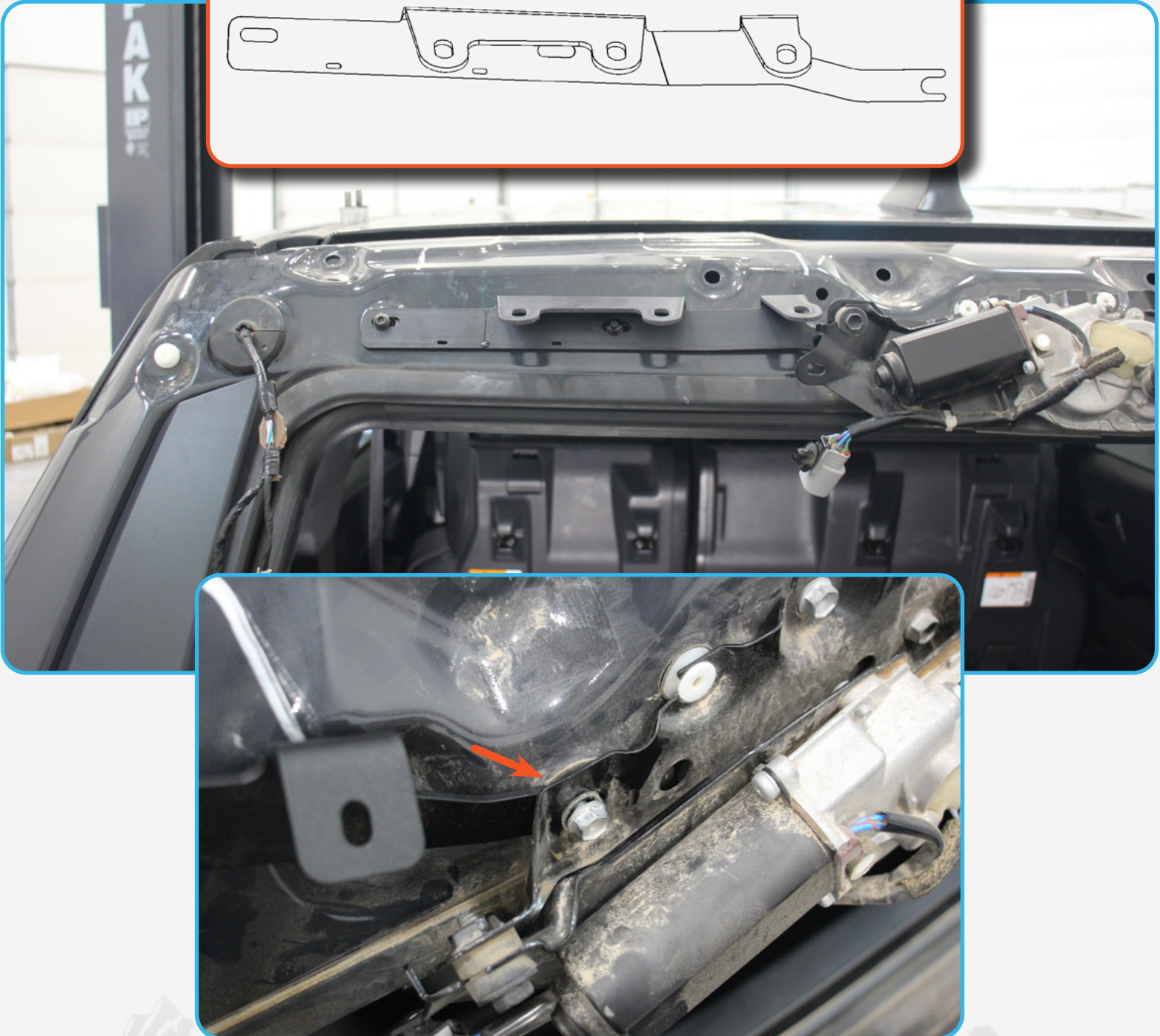
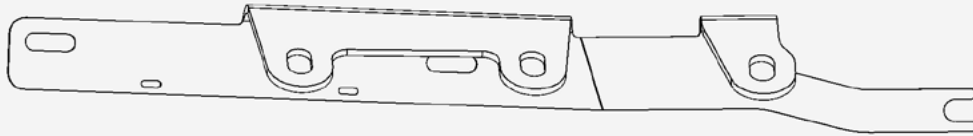
□ STEP 20

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



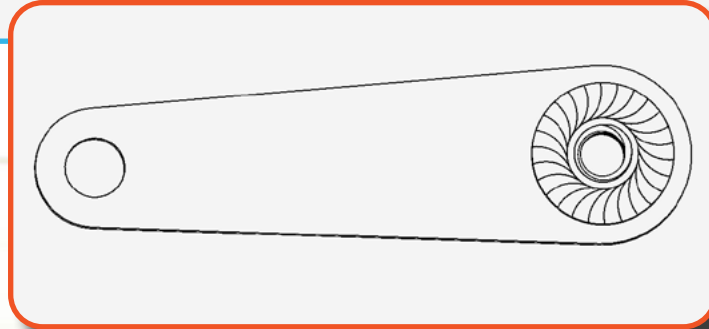
□ STEP 21

Install the bracket shown below behind the bracket shown below.



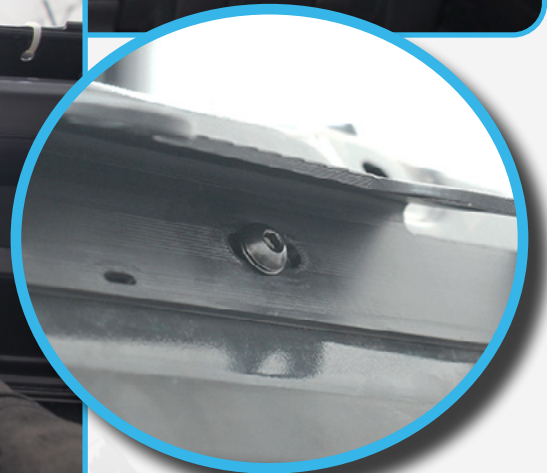
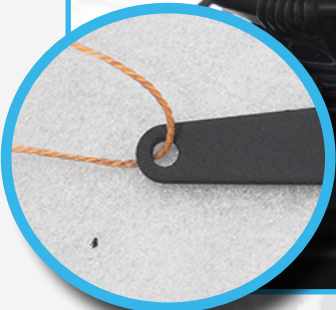
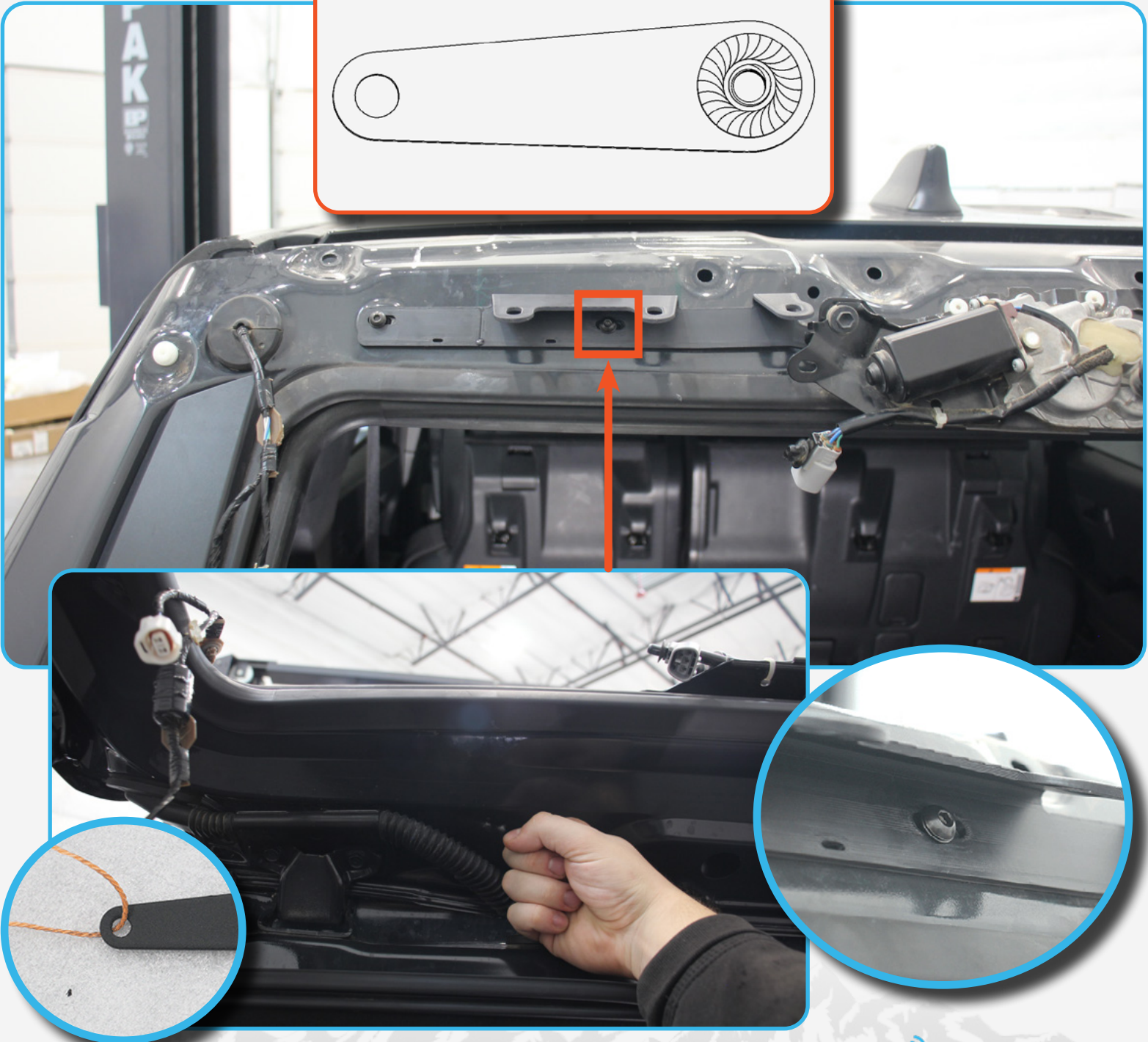
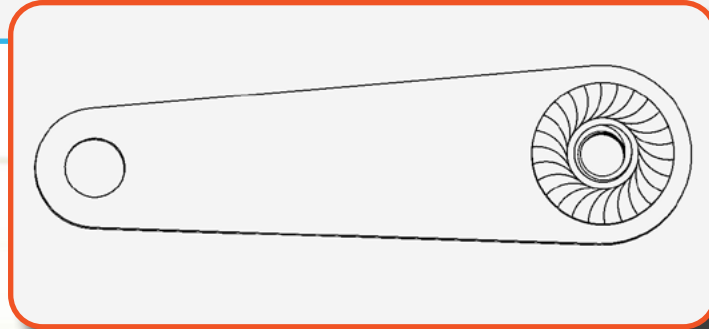
□ STEP 22

Slip the provided flag nut into the access point shown below and install the provided (A3, C) 1/4" hardware using a (5/32 allen). Insert a string into the hole on the flag nut for easy install.



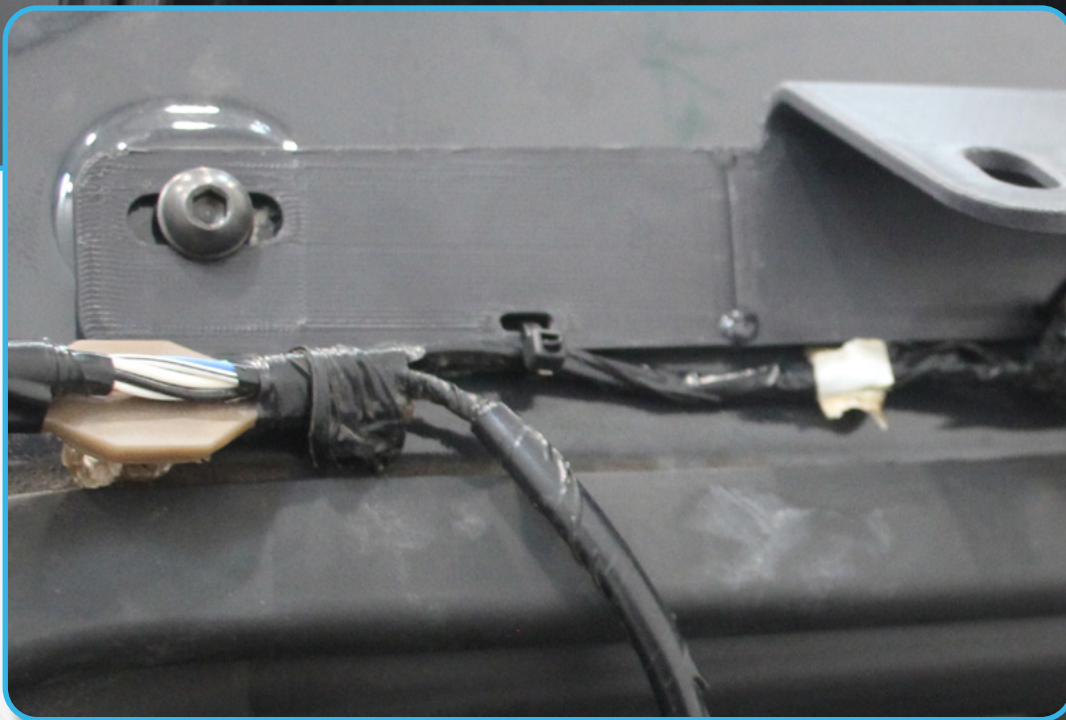
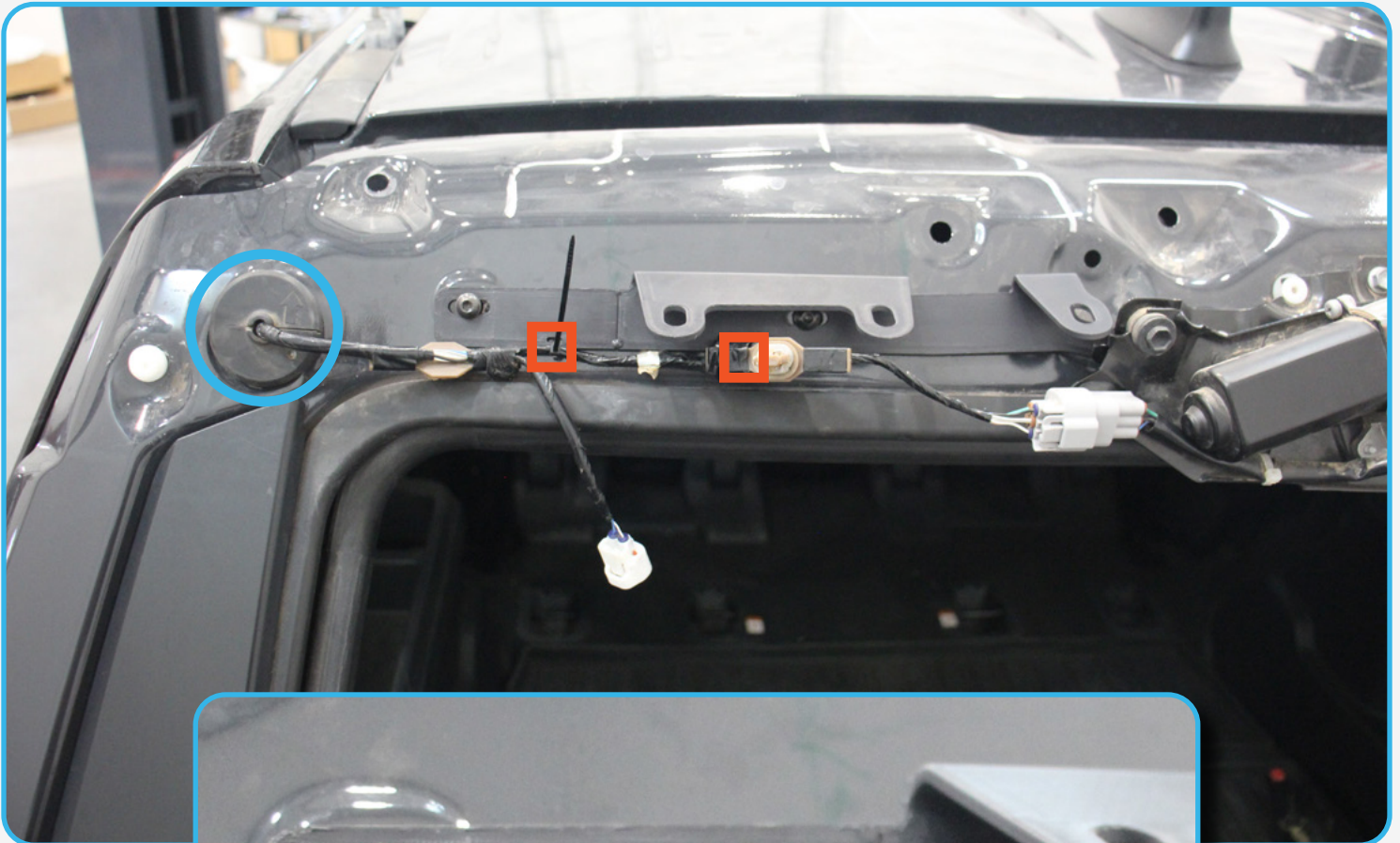
□ STEP 23

Slip the provided flag nut into the access point shown below and install the provided (A3, C) 1/4" hardware using a (5/32 allen). Insert a string into the hole on the flag nut for easy install.



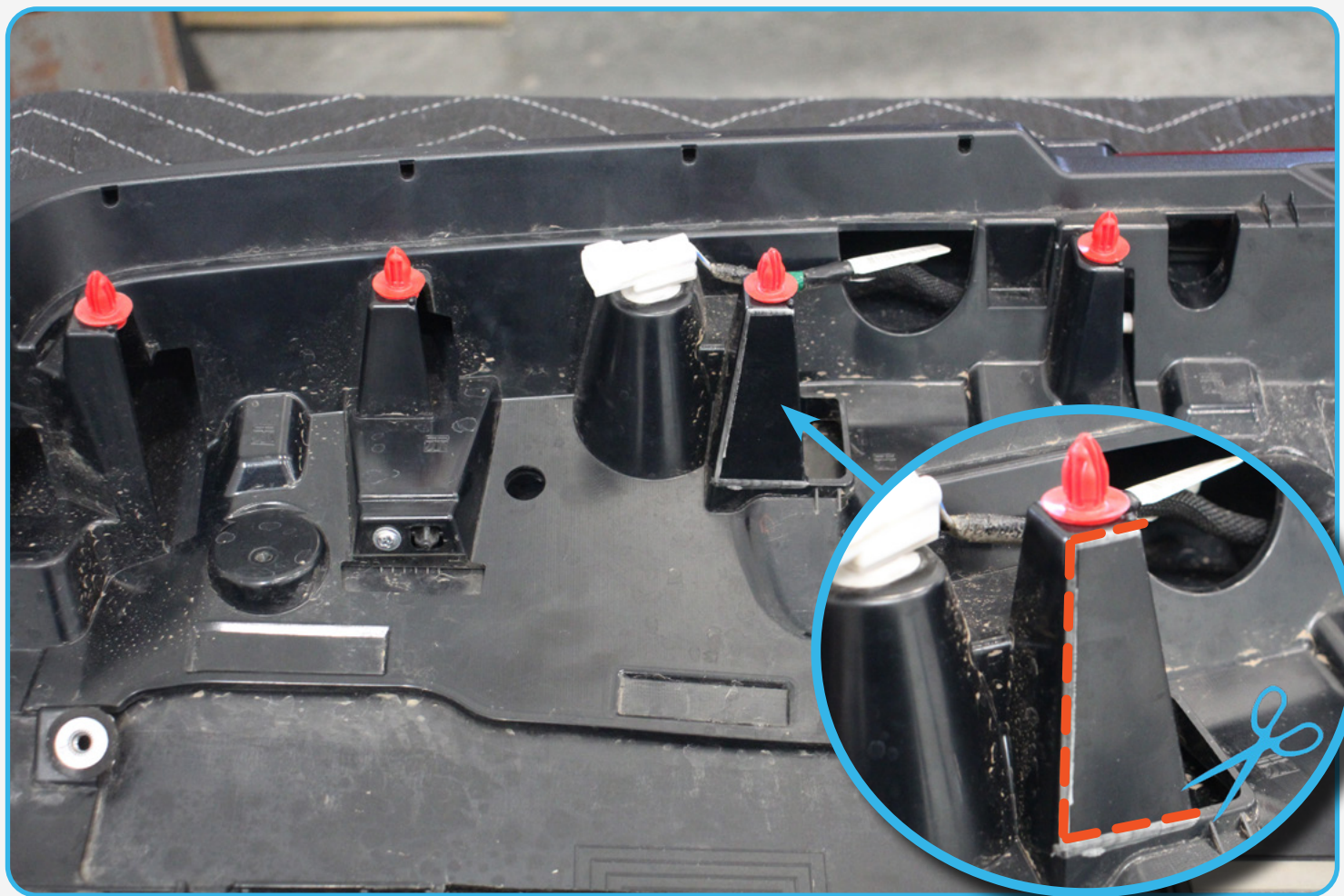
□ STEP 24

Tie up the wiring using the zip tie holes indicated below.



□ STEP 25

Locate the tab shown below on the backside of the spoiler. With your choice of cutting tools, cut as shown below following the dotted line.



□ STEP 26

Re install the spoiler by repeating **step 17**.



□ STEP 27

Install the ladder as shown below into the bottom mounting bracket with the provided (E, E1) 3/8" hardware using a (9/16 wrench).



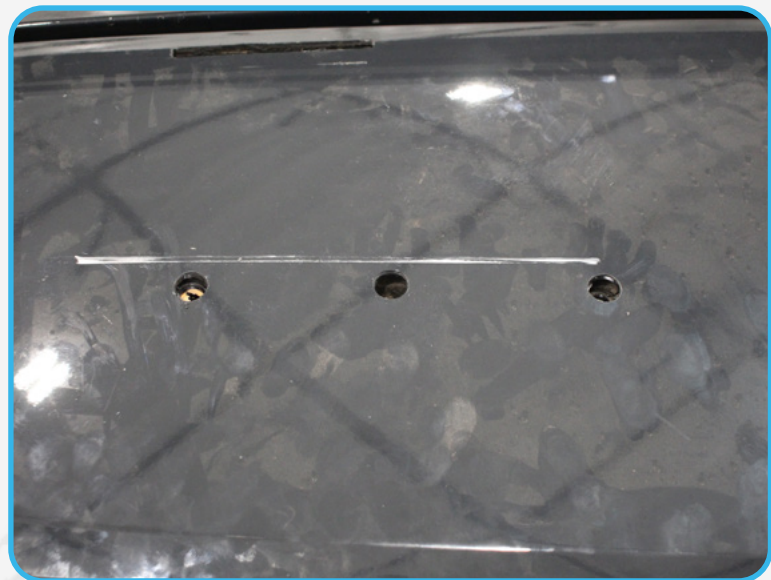
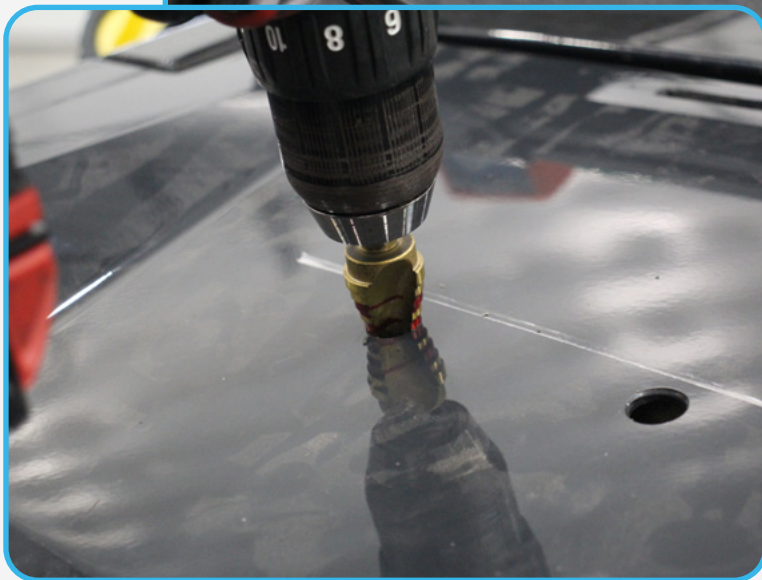
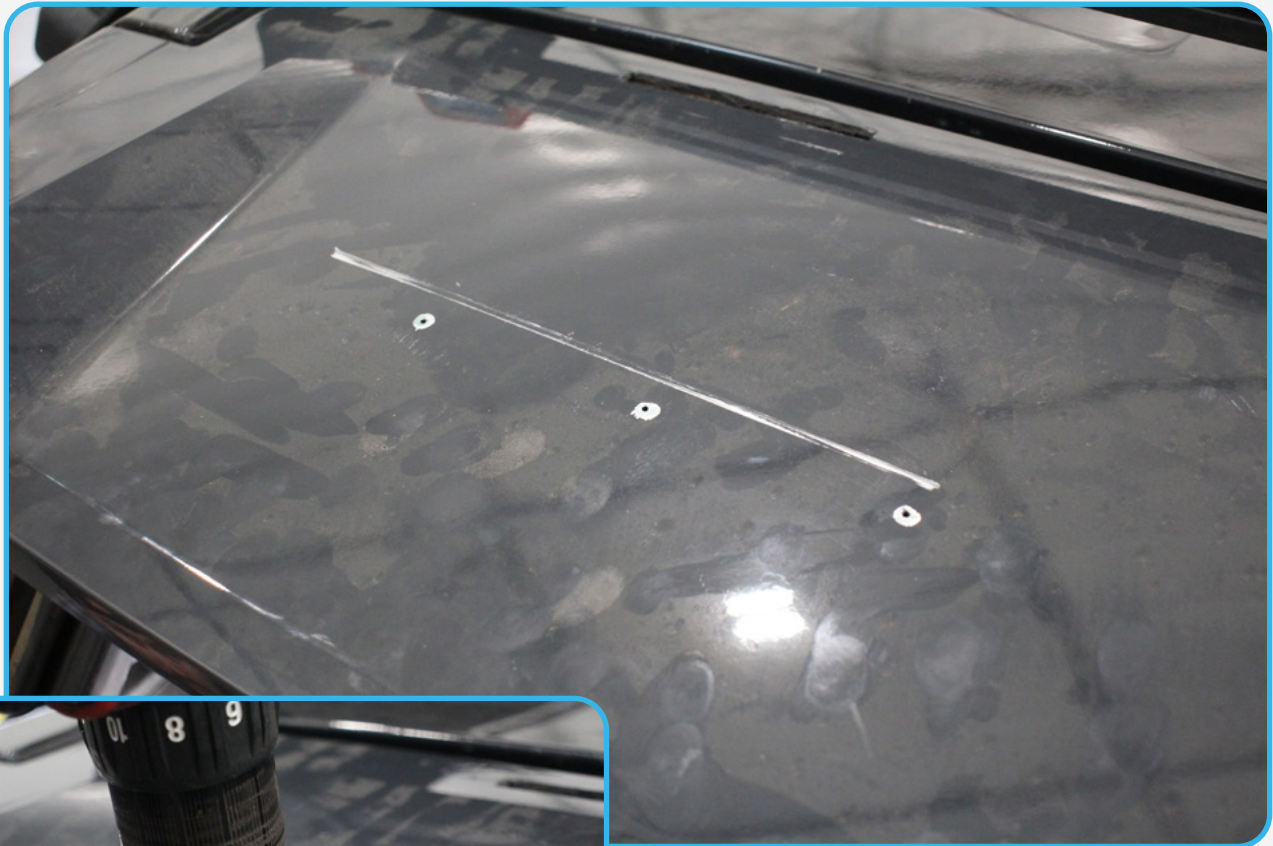
□ STEP 28

Next mark the top holes as shown below and remove the ladder.



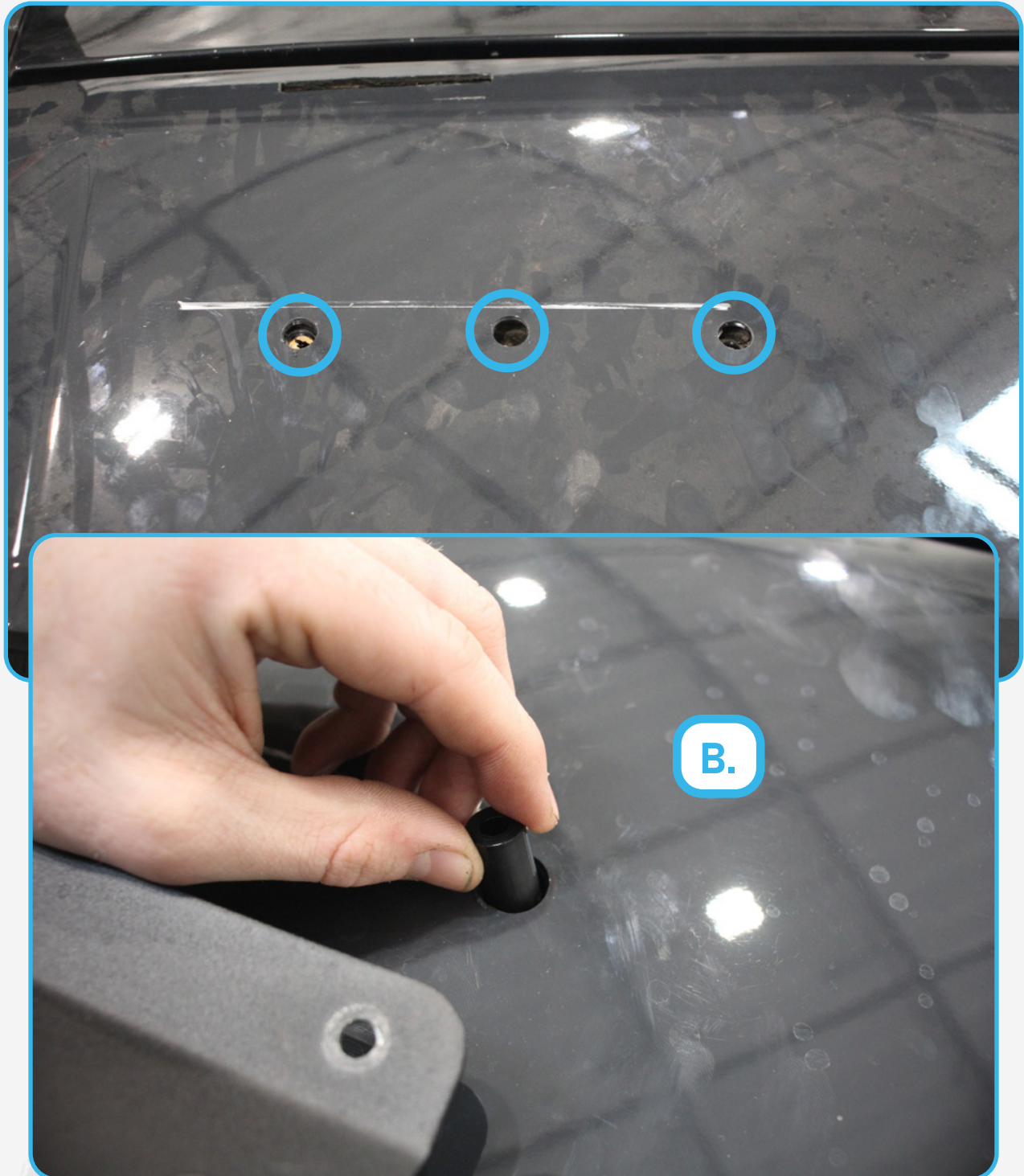
□ STEP 29

Drill a 9/16 hole in the marked hole locations.



□ STEP 30

Insert the provided (B) spacer.



□ STEP 31

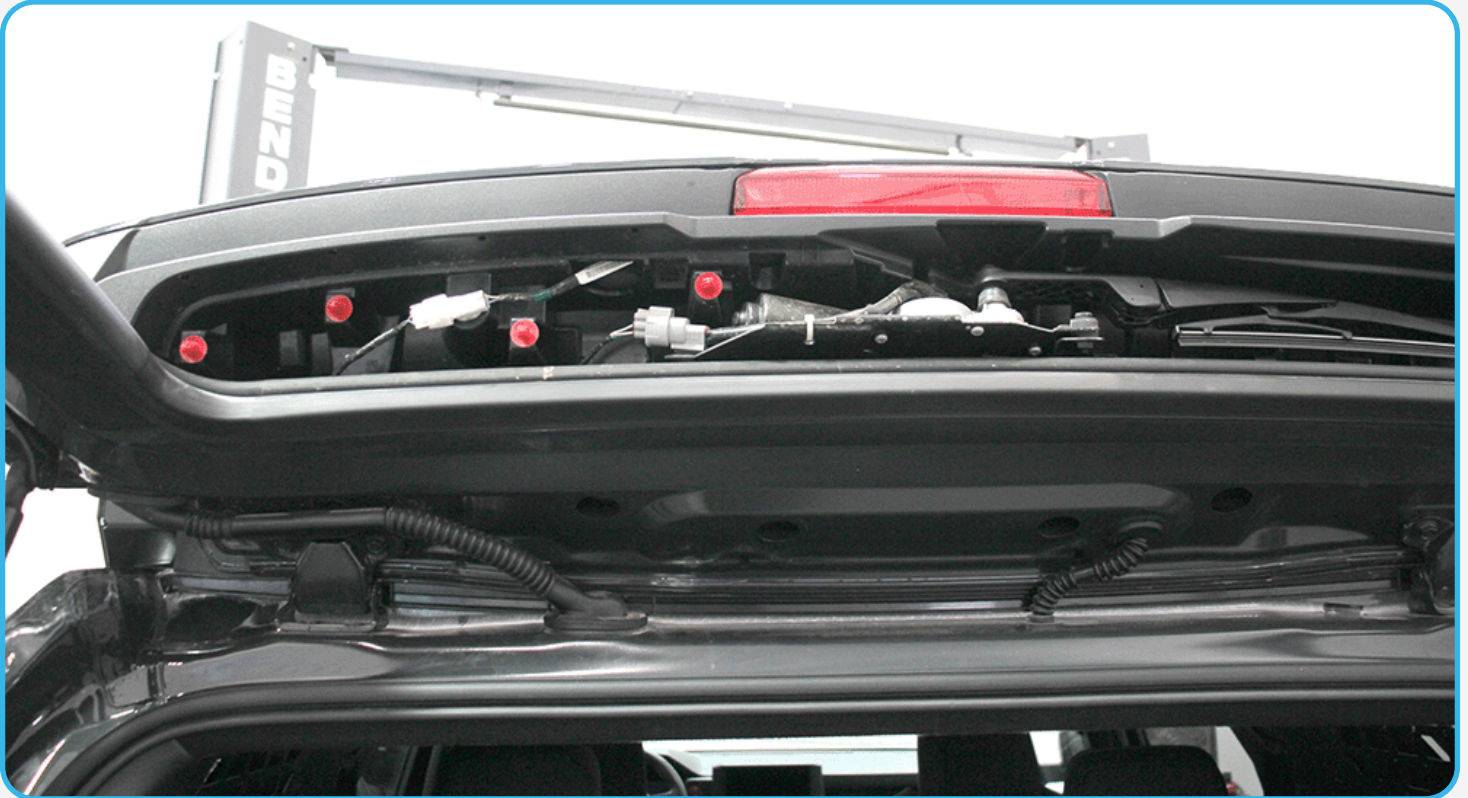
Re install the ladder and with the provided (A4, C, C1, C3) 1/4" hardware using a (5/32 allen) and a (7/16 wrench).



A4.
C.
C1.
C3.

□ STEP 32

Re install the plastic shown below.



☐ STEP 33

Stand back and enjoy your new RAGO Rear Hatch Ladder.

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

