

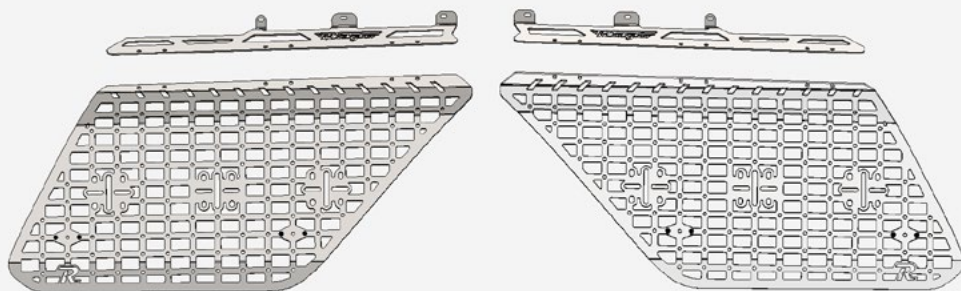


# INSTALLATION GUIDE

## FACTORY ROOF RAIL E-MSP

### 2025-UP/TOYOTA 4RUNNER

AC7109201NA, AC7109301NA, AC7109401NA



#### TOOLS REQUIRED

- 12mm sockets
- Phillips Screwdriver
  - 5/32 Hex
- Plastic Pry Tool
- Rivet Nut Hand Tool
  - 25/64 Drill Bit
  - Drill



#### SKILL LEVEL

- Easy



#### TIME REQUIRED

- Approximately 30 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.

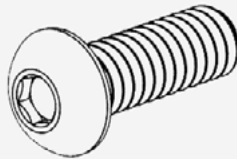
Inspect all contents of this package to make sure product is not damaged and all installation hardware has been included. If parts are missing from kit, please be prepared to provide the following information:

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

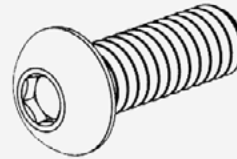
**A.**



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

QTY: 12

**B.**



1/4-20 X 1" BUTTON HEAD BOLT

QTY: 6

**C.**



1/4" FLAT WASHER

QTY: 6

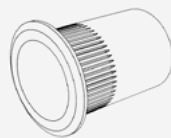
**C1.**



M6 FLAT WASHER

QTY: 12

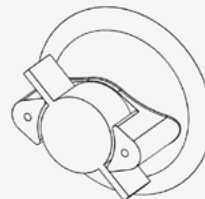
**D.**



1/4-20" RIVET NUT

QTY: 6

**E.**



RAM 3.3" SUCTION CUP

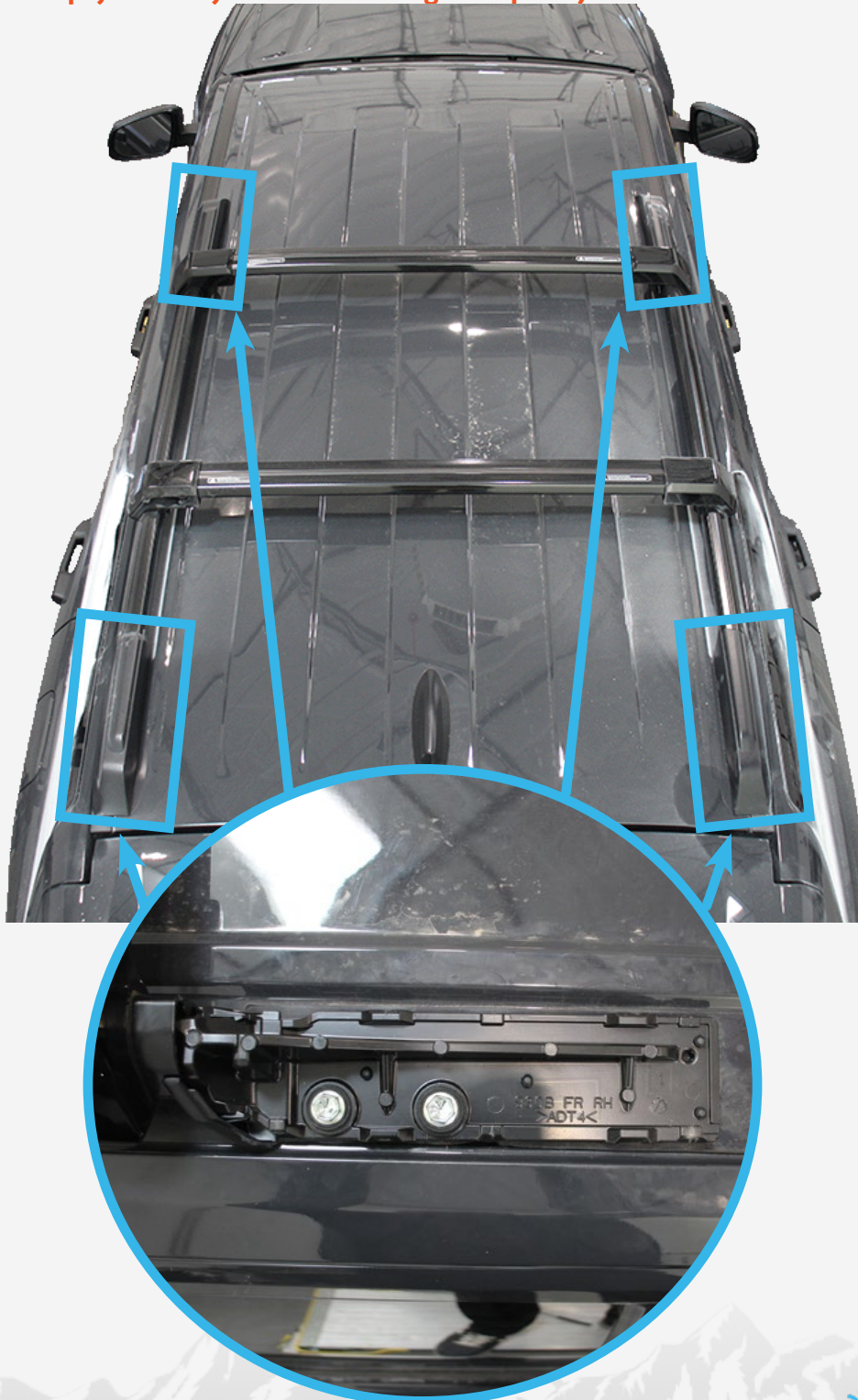
QTY: 4

Reference this page throughout the install



## □ STEP 1

Remove the OEM roof rack caps by using a pry tool of your choice. Reference **page 2** for removal instruction. Insert the plastic pry tool into the plastic shown below to pry the clips away from the mount. **(Use a plastic pry tool so you do not damage the paint)**

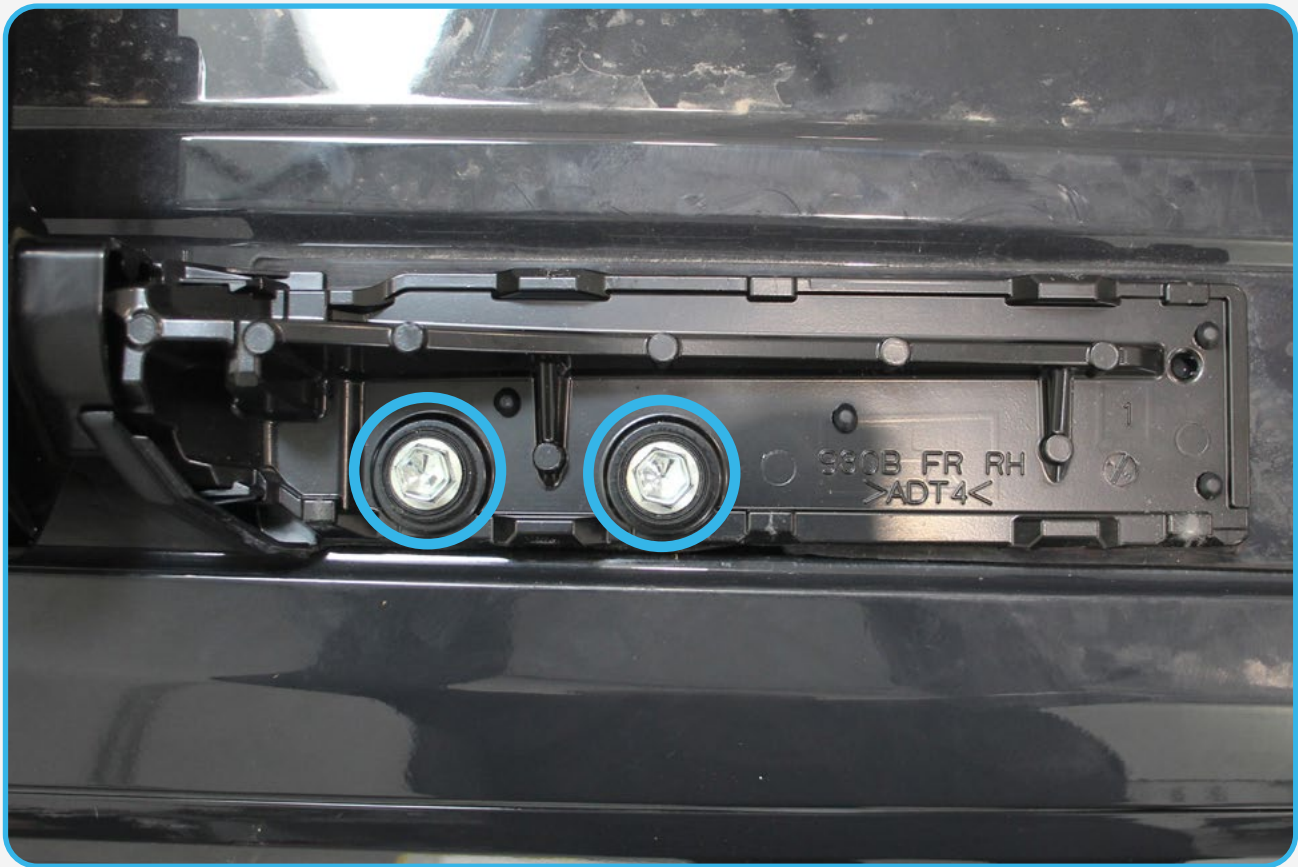






## ☐ STEP 2

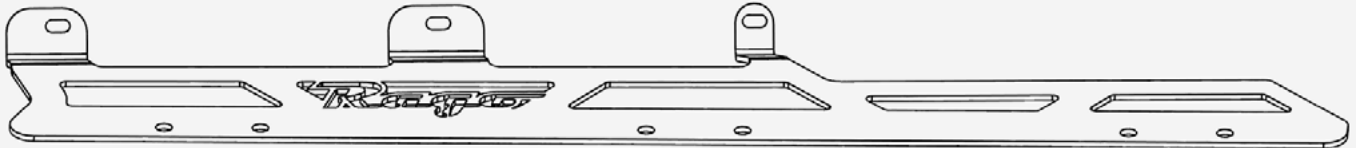
Using a (12mm socket) remove the mounting bolts. You can now remove the roof rack.





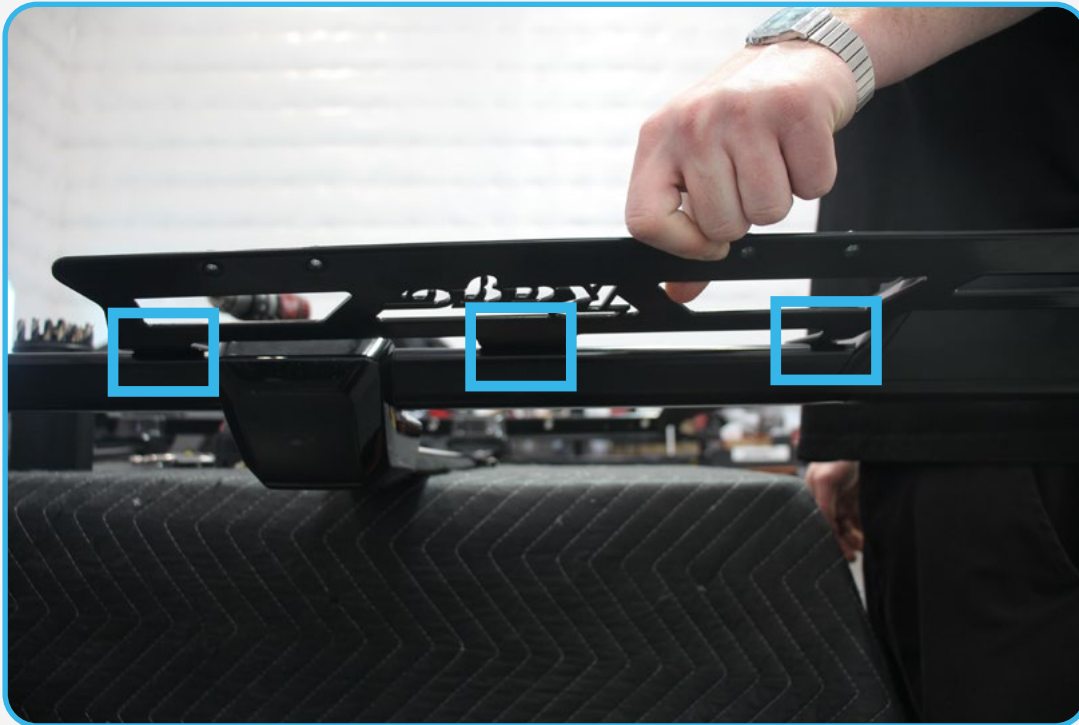
## □ STEP 3

Re-install the plastic covers and place the mounting bracket onto the rail as shown below. Ensure that the back tab is touching the plastic covers edge shown in the bubble. (Rack is upside down for ease install)



## □ STEP 4

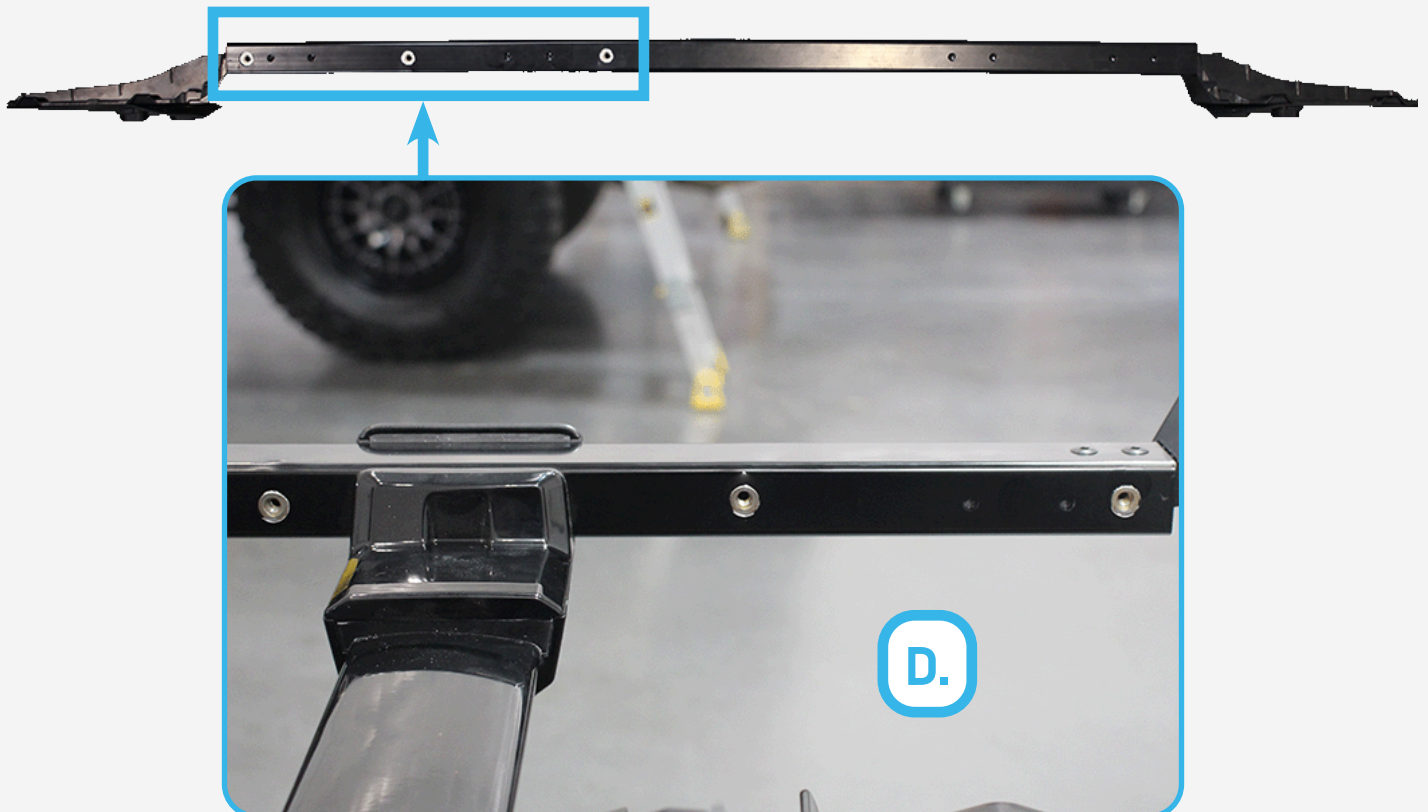
Ensure that the mount has no gap between the bracket and rail as shown below.





## □ STEP 5

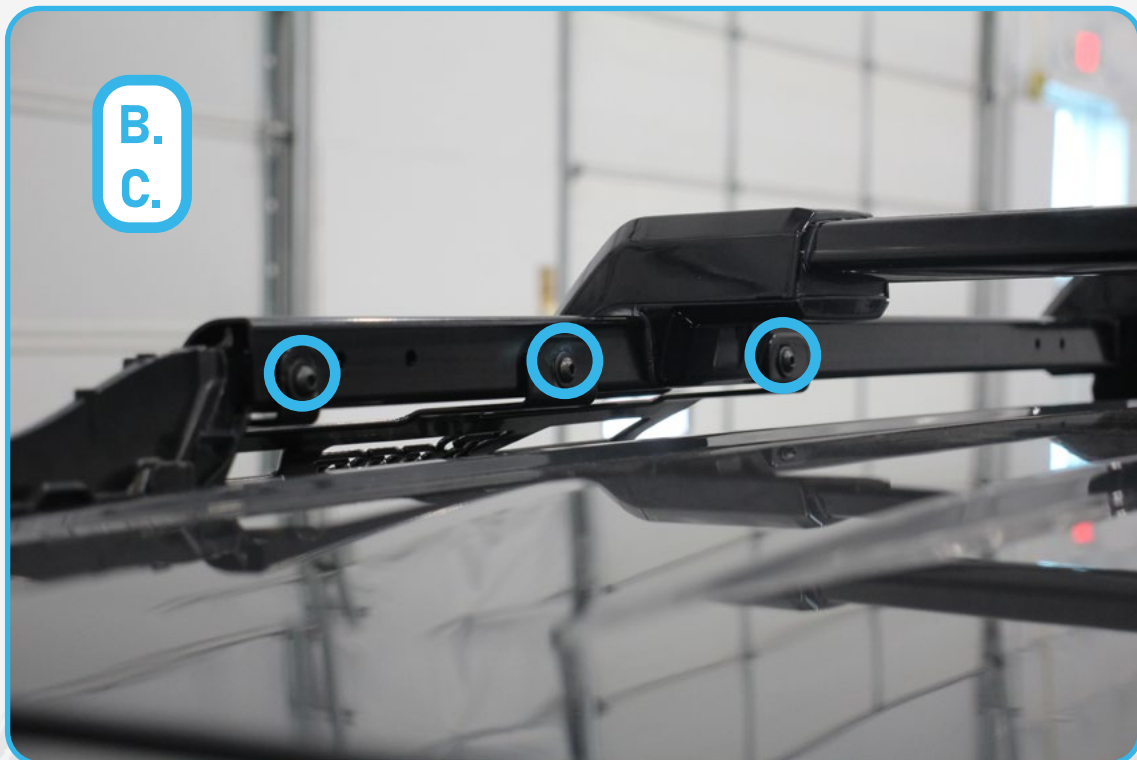
Mark the holes and use a (25/64 drill bit) to drill. Next, install the provided (D) rivet nuts using a (rivet nut hand tool).





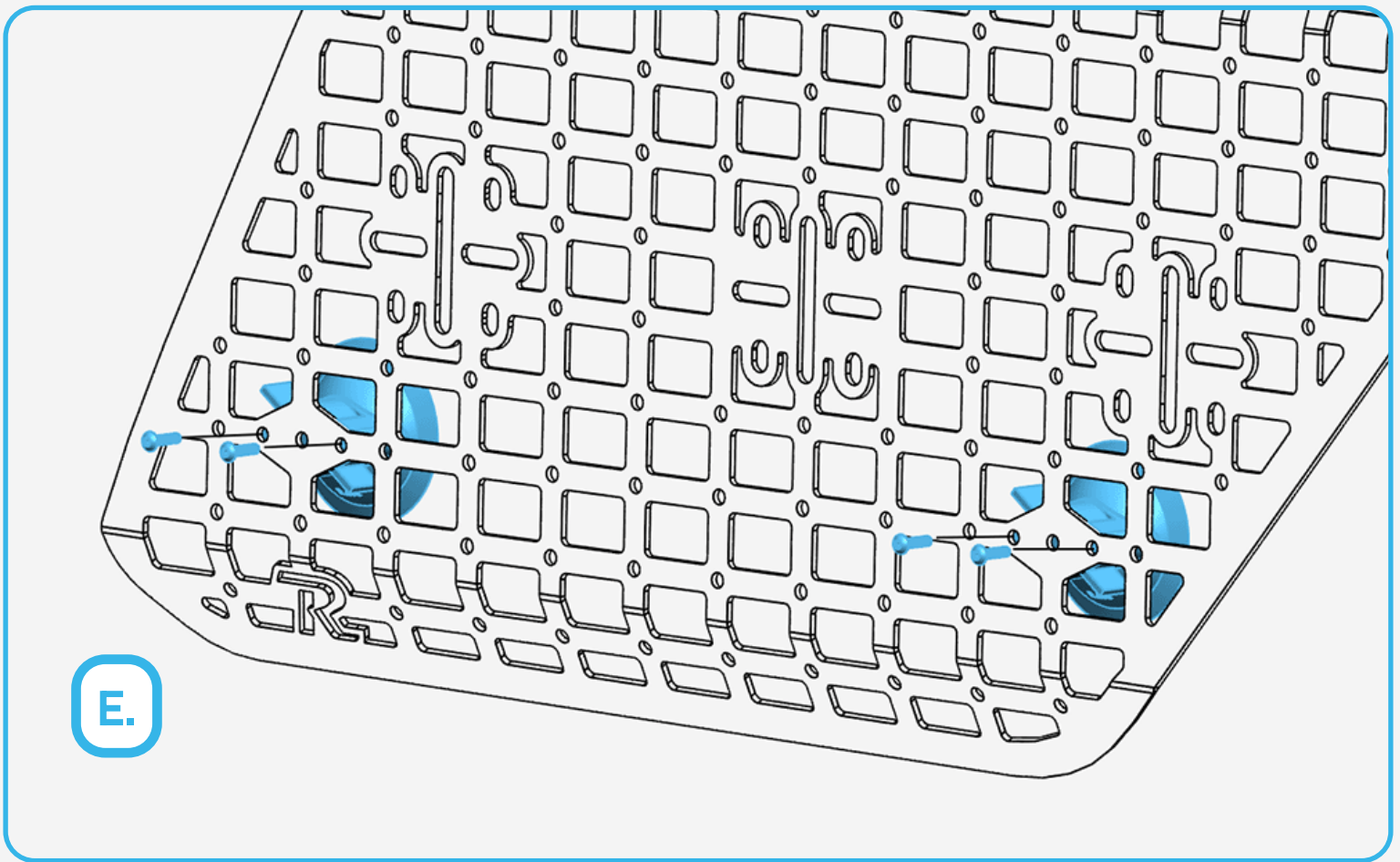
## □ STEP 6

Re-Install the rack and plastic covers using the hardware removed from **step 2**. Next, install the mounting bracket with the provided **(B, C)** 1/4 hardware using a **(5/32 allen)**.



## □ STEP 7

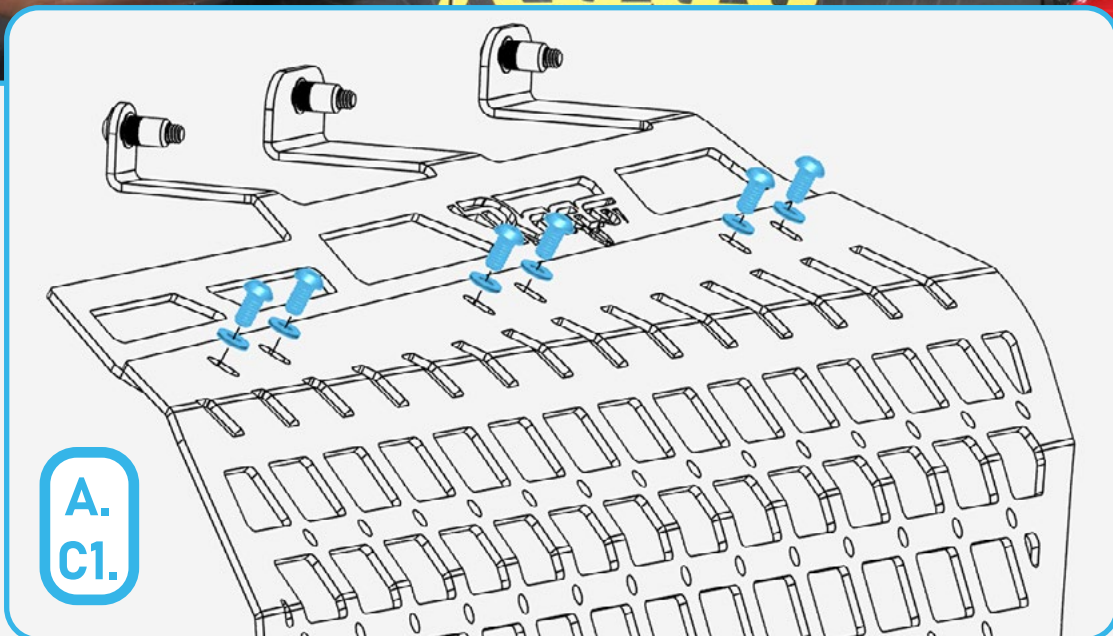
Install the (E) suction cuts with the hardware provided using a (phillips head screwdriver).





## □ STEP 8

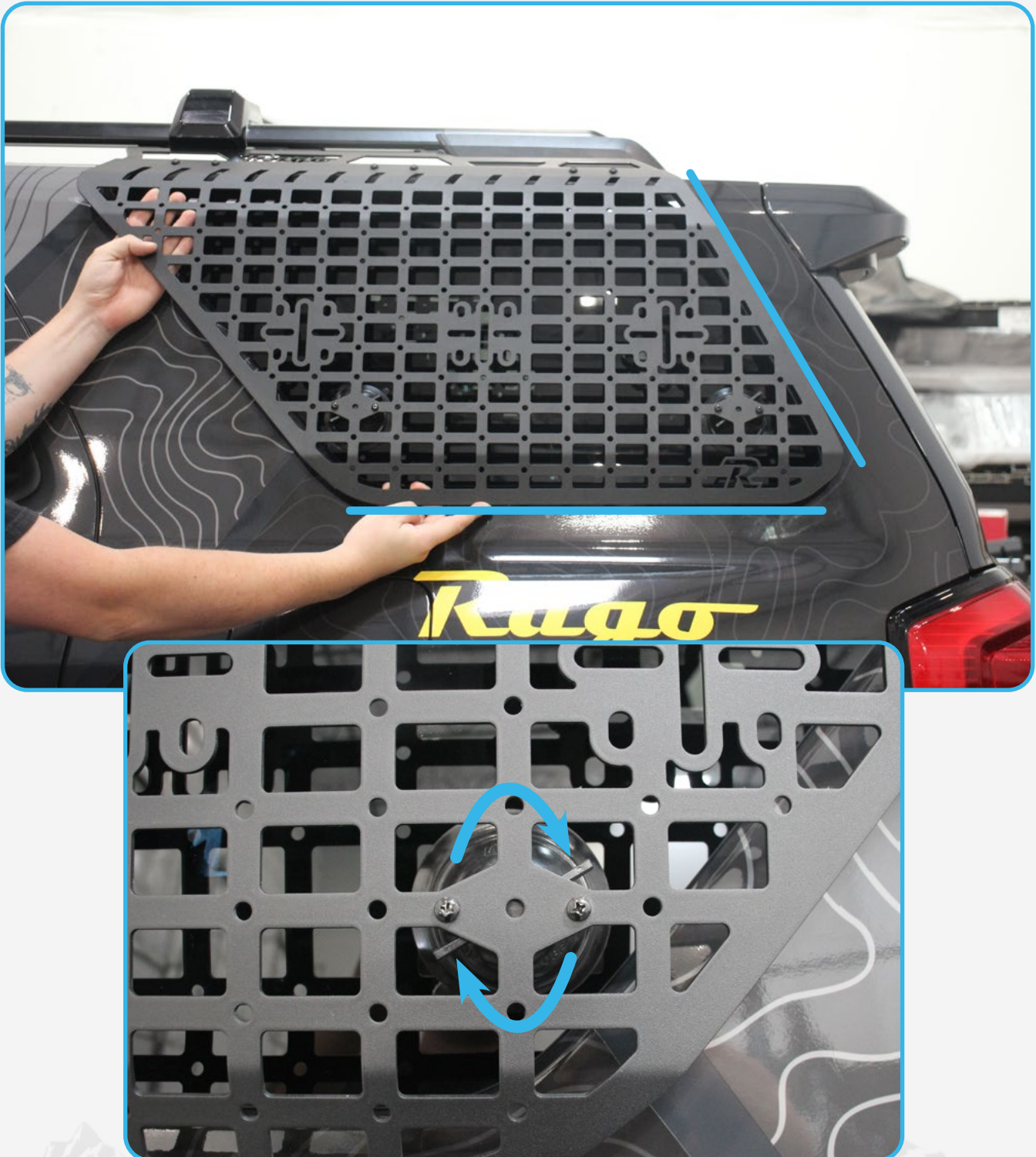
Install the E-MSP to the mount that was installed on **step 6** with the provided **(A, C1)** 1/4 hardware using a **(5/32 allen)**. **(Leave loose for adjustments)**





## □ STEP 9

Position the E-MSP in the desired location and push the suction cups against the glass, then push the tabs clockwise to lock down. Tighten down the hardware installed on **step 8**.



## ☐ STEP 10

Stand back and enjoy your new RAGO Factory Roof Rail E-MSP's.

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

