CALI RAISED

PART CR4167

REV A · 2026-11-05

INSTALLATION GUIDE

2024+ TACOMA PREMIUM ROOF RACK

2024+ TOYOTA TACOMA · DOUBLE CAB · 8 STEPS



FULLY ASSEMBLED
BEFORE IT GOES ON THE TRUCK

A low-profile, bolt-on roof rack for the 2024+ Tacoma Double Cab, with an adjustable wind visor up front.

- Mounts to the factory roof holes. No drilling.
- 500 lb dynamic · 1,000 lb static.
- Works with the sunroof.
- Wind visor tilts to cut wind noise and hide a light bar.

PLAN FOR

Two people to lift the rack onto the truck. You build the whole rack on the ground first (steps 1–6).

MOUNTS	TOOLS	DRILLING
8 FACTORY HOLES	4 MM ALLEN · 7/16" · 9/16" · 10 MM	NONE

PRODUCT PAGE & SUPPORT
Scan for specs, FAQs and help.

FABRICATED IN-HOUSE IN FORT WORTH, TEXAS

CALIRAISEDLED.COM

HARDWARE + TOOLS

BOLTS

4	**1/4" x 1/2" button-head bolts**	Rear valance
9	**1/4" x 5/8" button-head bolts**	Front valance, L-brackets
8	**1/4" x 3/4" button-head bolts**	Brackets, side panels, L-brackets
24	**1/4" x 1" button-head bolts**	Rail ends
12	**1/4" x 3/4" carriage bolts**	Feet
2	**3/8" x 1-1/4" hex bolts**	Wind visor pivots
8	**M6 x 50 hex bolts**	Roof mounts

SPACERS + MORE

8	**1/4" x 1" aluminum spacers**	Roof holes
2	**1/4" x 29/32" aluminum spacers**	Visor knob pins
2	**Knobs**	Wind visor angle
4	**Rubber bump stops**	Front valance, middle feet
1	**Weather strip**	Front valance edge

NUTS + WASHERS

65	**1/4" black washers**	With every 1/4" bolt
32	**1/4" locknuts**	Feet, brackets, bump stops
4	**1/4" T-slot nuts**	Rear valance
2	**3/8" silver washers**	Visor pivots
4	**3/8" bronze oil bearing washers**	Visor pivots
2	**3/8" locknuts**	Visor pivots
8	**M6 washers**	Roof mounts

TOOLS YOU SUPPLY

4 mm Allen key	1/4" button-head bolts
7/16" wrench	1/4" locknuts
9/16" wrench + socket	Visor pivot bolts
10 mm socket	M6 roof bolts
Tape measure	Feet 2.5" from the rail ends
Plastic pry tool	Factory roof covers
Hammer + cutters	Seat + trim the weather strip

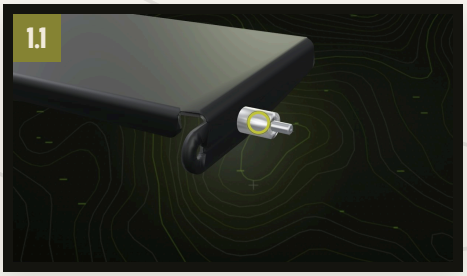
READ THIS FIRST

Build the whole rack on the ground, then put it on the truck with two people. Snug the hardware as you go. You tighten the frame in step 6, and the feet and roof bolts last, in step 8, after the rack is centered.

1 WIND VISOR ON THE SUPPORTS

DRIVER SIDE, THEN PASSENGER · 9/16"

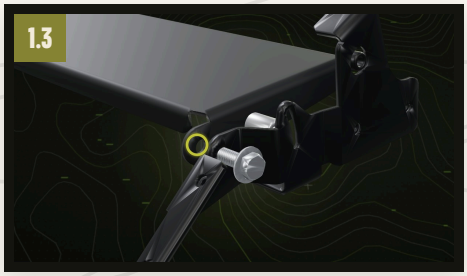
Pivot bolts only get snug. Don't fully tighten them. The visor has to move.



Aluminum spacer (1/4" x 29/32") onto the knob pin.



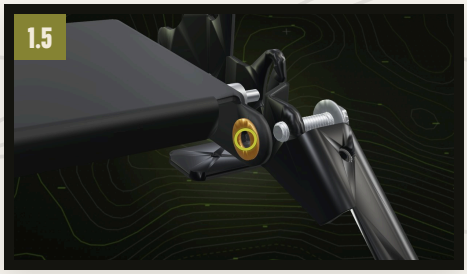
Front support over the pin, the pin through its slot.



3/8" hex bolt + silver washer start it through the support from outside.



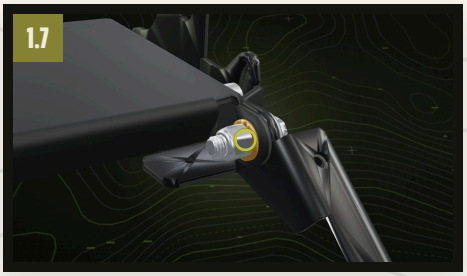
Bronze oil bearing washer in the gap between the support and the visor.



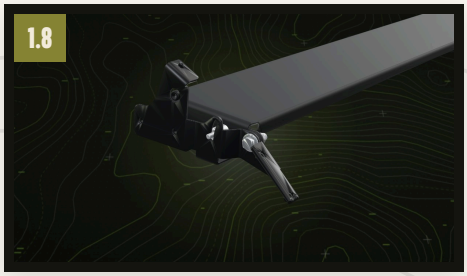
2nd bronze washer against the inside of the visor.



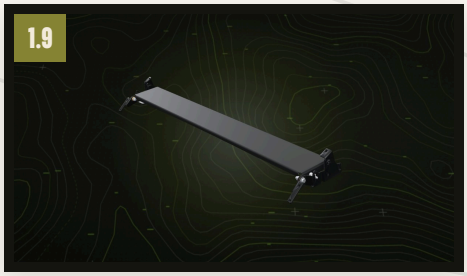
3/8" locknut hold it on the washer.



Bolt through the visor and washer into the locknut. 9/16" wrench, snug.



Passenger side same stack, same order.



Check: both pivots snug, the visor still moves.

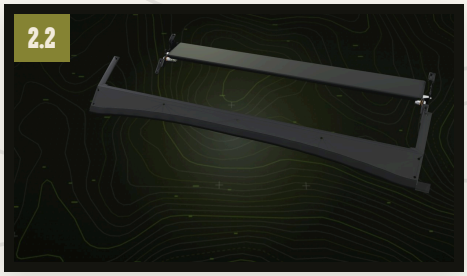
2 FRONT VALANCE

UPPER + LOWER ASSEMBLY · 4 MM · 7/16"

Tighten all the black hardware on the front assembly, then set it aside.



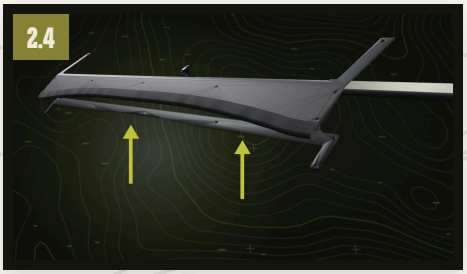
Front lower valance on the bench.



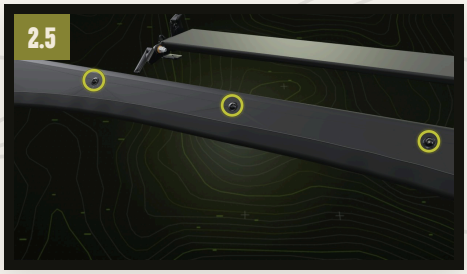
Weather strip onto the bottom edge, squishy side down, following the curve.



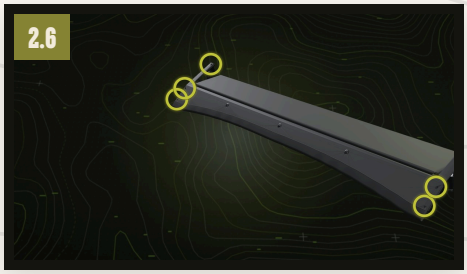
Trim the extra flush with the end.



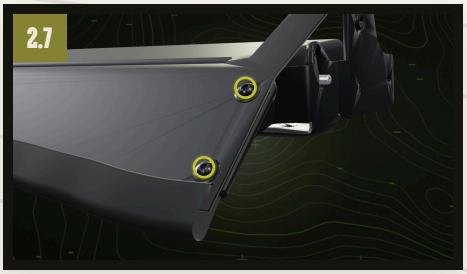
Valance support comes up under the front valance, flange down.



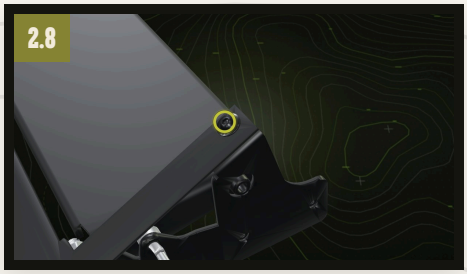
3 x 5/8" button-heads + washers through the valance into the support's PEM nuts.



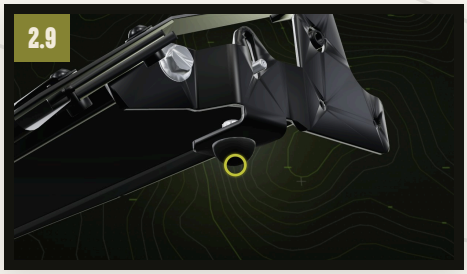
Valance over the support brackets, holes lined up.



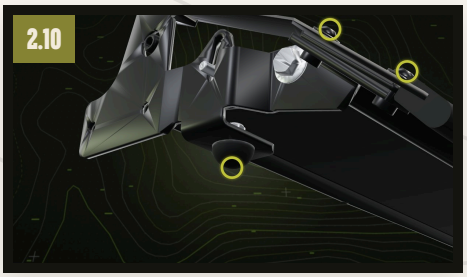
Driver end: 2 x 5/8" button-heads + washers into the PEM nuts.



3/4" button-head on top: washer above, washer + locknut below.



Bump stop under the flange, washer + locknut on top.

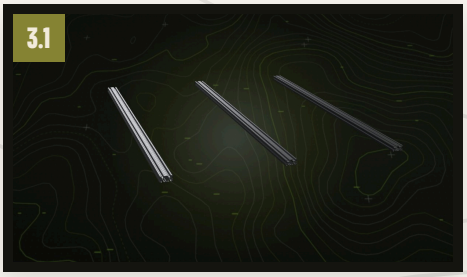


Passenger end: repeat 2.7–2.9 (2 end bolts, top bolt, bump stop).

3 RAILS · 6 FEET · 7/16"

3 FEET ON THE T-SLOT RAILS

Don't fully tighten the feet. They get tightened in step 8, after the rack is centered.



The 3 rails that get feet.



2 x 1/4" x 3/4" carriage bolts into the rail's bottom slot.



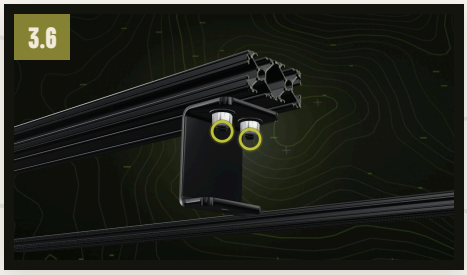
Foot 1 of 6: front foot over the bolts, facing out.



1/4" washer + locknut on each bolt. 7/16" wrench.



2.5" from the rail end. Don't fully tighten.



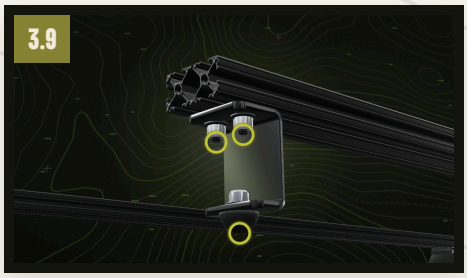
Foot 2 of 6: middle foot, same bolt stack.



Middle feet get a bump stop with a washer + locknut.



Foot 3 of 6: rear foot, same bolt stack.



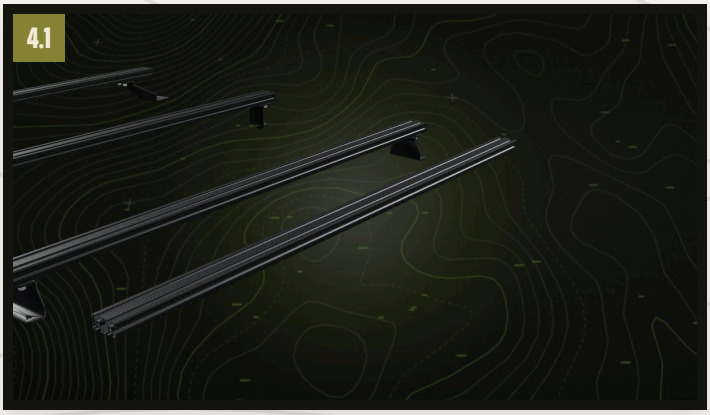
Feet 4–6, passenger side: repeat 3.2–3.8. Facing out, bump stop on the middle foot.



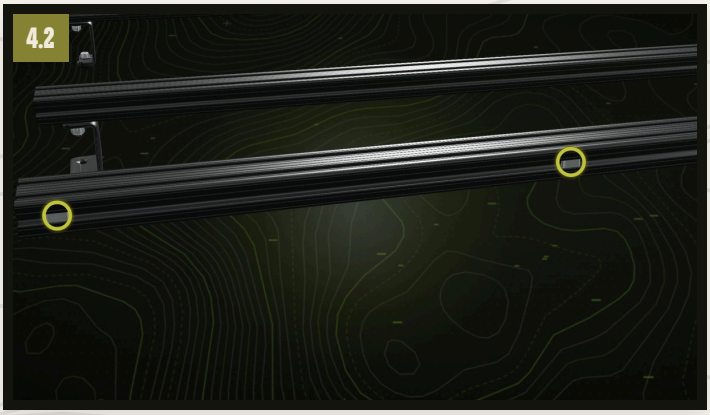
All 6 feet on. Don't fully tighten.

LAST RAIL · 4 T-NUTS · 4 MM

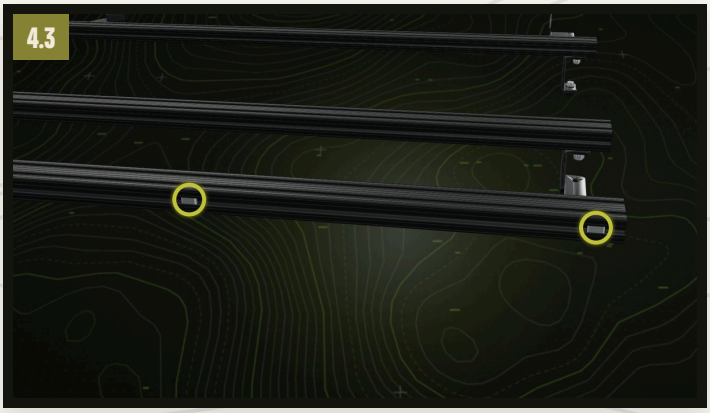
4 REAR VALANCE



The last T-slot rail.



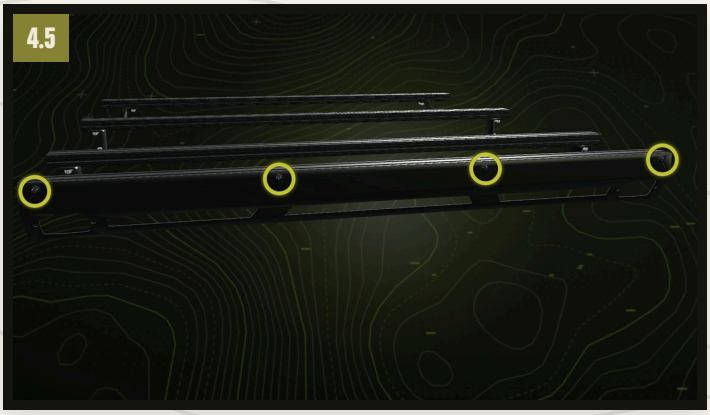
2 T-nuts into the rear track from the driver end.



2 more T-nuts from the passenger end. 4 total.



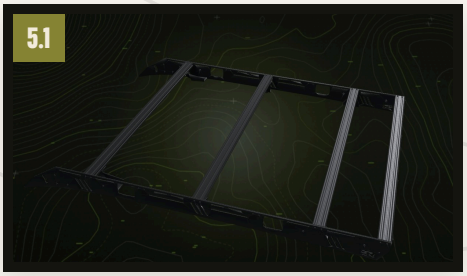
Rear valance, bend to the inside.



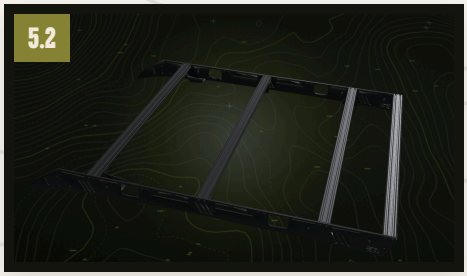
4 x 1/2" button-heads + washers, one into each T-nut. Loose for now.

BOTH SIDES · 24 RAIL-END BOLTS · 4 MM

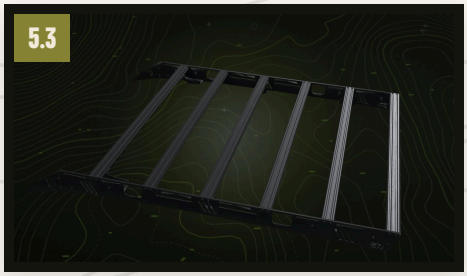
5 RAILS + SIDE PANELS



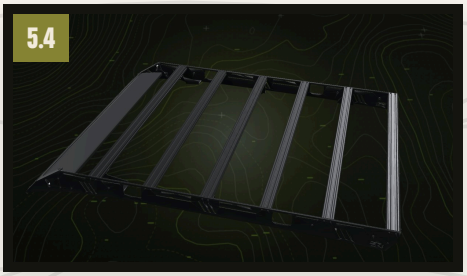
Side panels.



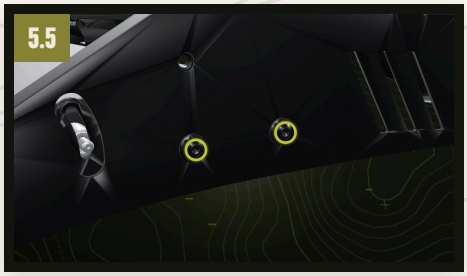
Footed rails go 1st, 3rd and 5th: front feet first holes, middle feet on the 3 lines, rear feet second-to-last holes.



Plain rails go 2nd and 4th. The rear-valance rail goes last.



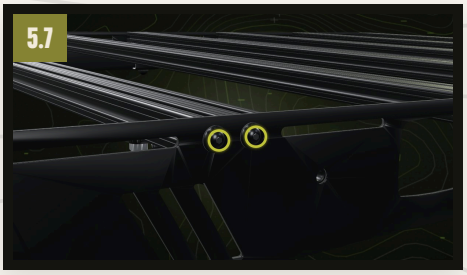
Front assembly between the side panels.



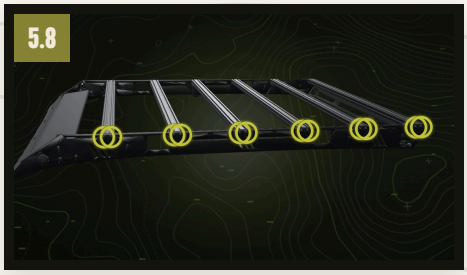
2 x 3/4" button-heads + washers per side, into the PEM nuts.



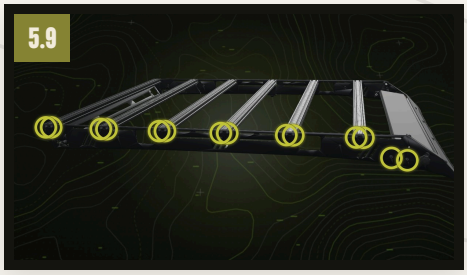
Wind visor knob onto the pin. Snug.



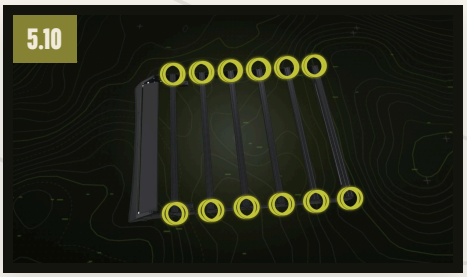
1/4" x 1" button-head + washer, 2 per rail end.



Driver side: 12 rail-end bolts.



Passenger side: repeat 5.5–5.8 (2 front bolts, knob, 12 rail-end bolts).



All 24 rail-end bolts in, 12 per side.

6

BOTH REAR CORNERS · 4 MM · 7/16"

L-BRACKETS, TIGHTEN THE FRAME

Tighten the frame now. Leave the feet a little loose until the rack is centered on the truck.



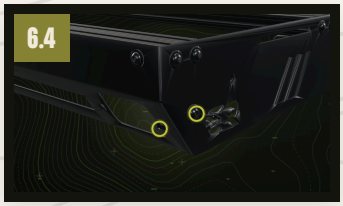
L-bracket in the rear corner.



5/8" button-head + washer through the side panel into the PEM nut.



3/4" button-head + washers + locknut through the rear valance.

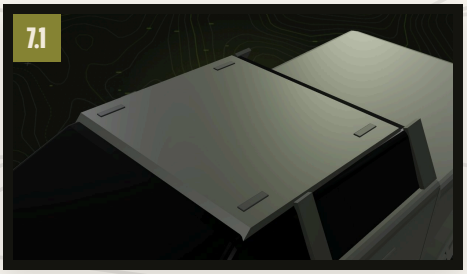


Passenger corner: repeat 6.1–6.3.

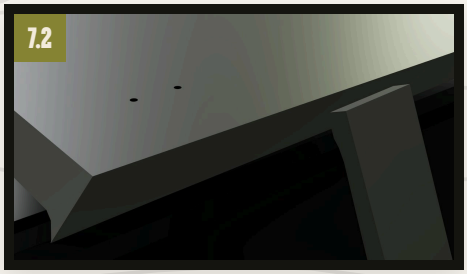
7

PLASTIC PRY TOOL · 8 SPACERS

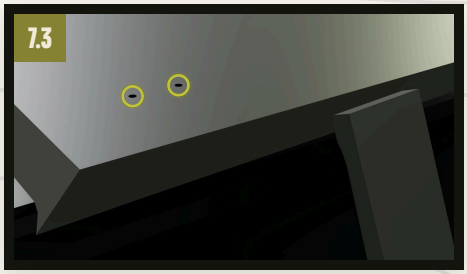
PREP THE ROOF



4 factory roof covers come off.



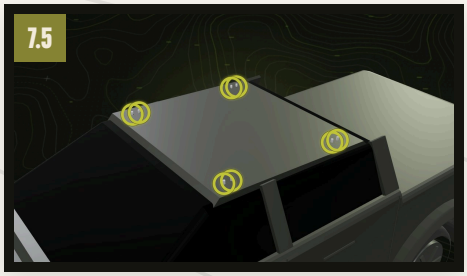
Pop them off with a plastic pry tool.



Peel the paint + gray sealant off both holes.



1/4" x 1" aluminum spacer on every hole.

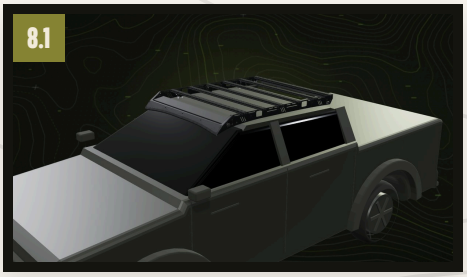


All 8 spacers on.

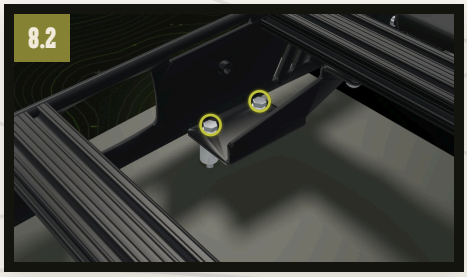
8 RACK ON, SECURE + TIGHTEN

TWO PEOPLE · 10 MM · 7/16"

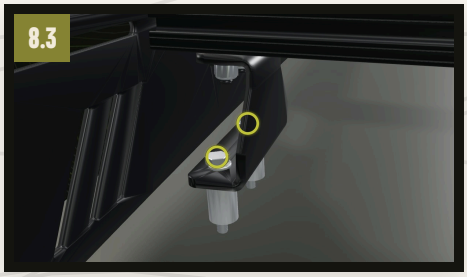
Centered? Tighten the carriage bolts on all 6 feet, then the 8 M6 bolts. Silicone around the holes is optional.



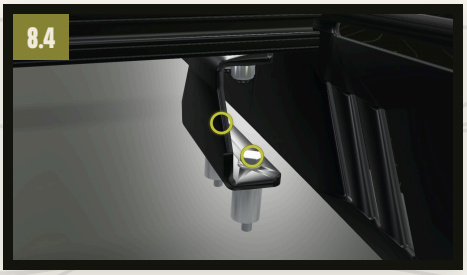
Two people: lift it over the front and set it straight down onto the spacers.



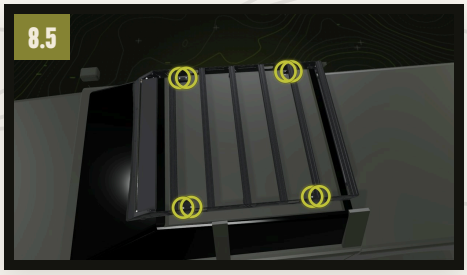
M6 x 50 hex bolt + M6 washer, 2 per foot. Driver front.



Driver rear foot: 2 M6 bolts + washers, fed in from the foot's open end.



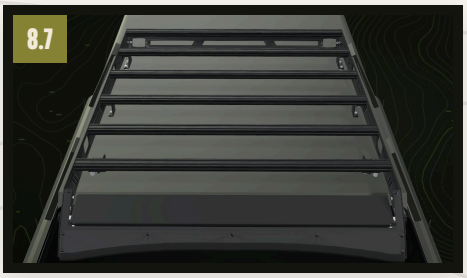
Passenger front + rear feet: repeat 8.2–8.3.



All 8 M6 bolts in, 4 per side.

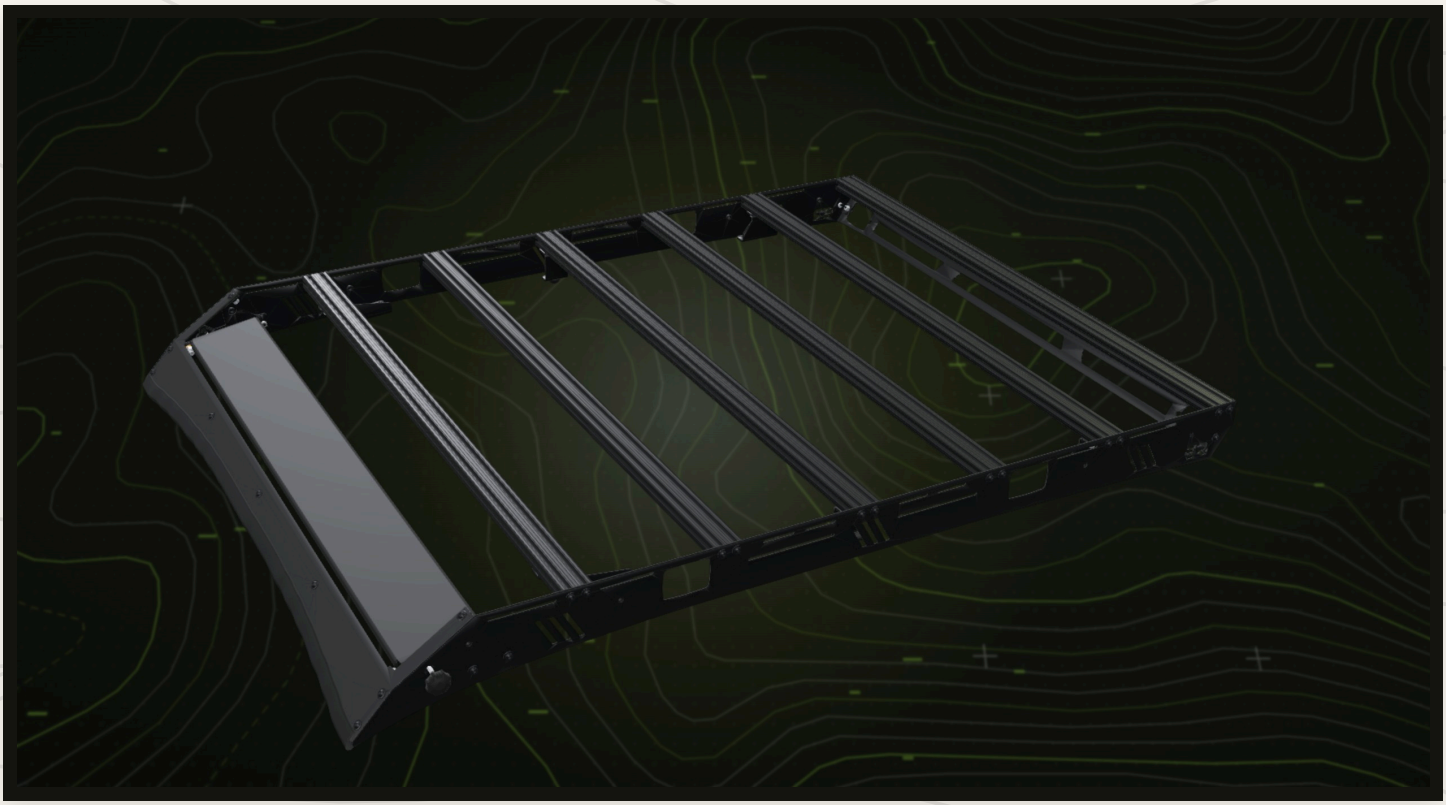


Secure + center the mounts: even gap both sides.



Tighten the carriage bolts on all 6 feet, then the 8 M6 bolts.

YOU'RE DONE



CHECK YOUR WORK

- Both visor pivots snug. The visor tilts with the knobs.
- Front valance hardware tight, weather strip on the edge.
- 6 feet on rails 1, 3 and 5, tightened after centering.
- Rear valance: 4 bolts into 4 T-nuts.
- 24 rail-end bolts, 12 per side.
- Both L-brackets bolted and tight.
- 8 spacers under 8 M6 bolts, 2 per foot.
- Even gap on both sides of the roof.

SUPPORT

support@caliraisedled.com
5318 David Strickland Rd
Fort Worth, TX 76119
Backed by Cali Raised LED's warranty.

FABRICATED IN-HOUSE IN FORT WORTH, TEXAS

caliraisedled.com/products/premium-roof-rack-for-2024-toyota-tacoma