

# RIVIAN RTT MARINER RACK INSTALL INSTRUCTIONS

Begin by unpacking all components and making sure no parts are missing. If any parts are missing, please contact [sales@range-industries.com](mailto:sales@range-industries.com) and we will remedy the situation ASAP. See list of all parts below:

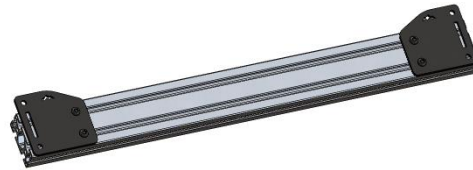
- 4X Upright Assemblies



- 2X 6063-T6 Aluminum Crossbar Assembly



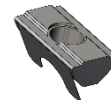
- 2X Aluminum Cargo Panels



- 24X 5/16" -18 x 5/8" stainless steel bolts



- 24X 5/16" -18 Spring Clip T-Nuts



- 4X Foam Gaskets for upright base



## Install Notes:

- Use blue (medium) Loctite or equivalent thread locker on all bolts
- Depending on the dimensions of your RTT, you may need adapter plates to mount it.

## Required Tools:

- 3/16" hex key or 3/16" hex bit with ratcheting wrench
- Torque wrench

## UPRIGHT INSTALL

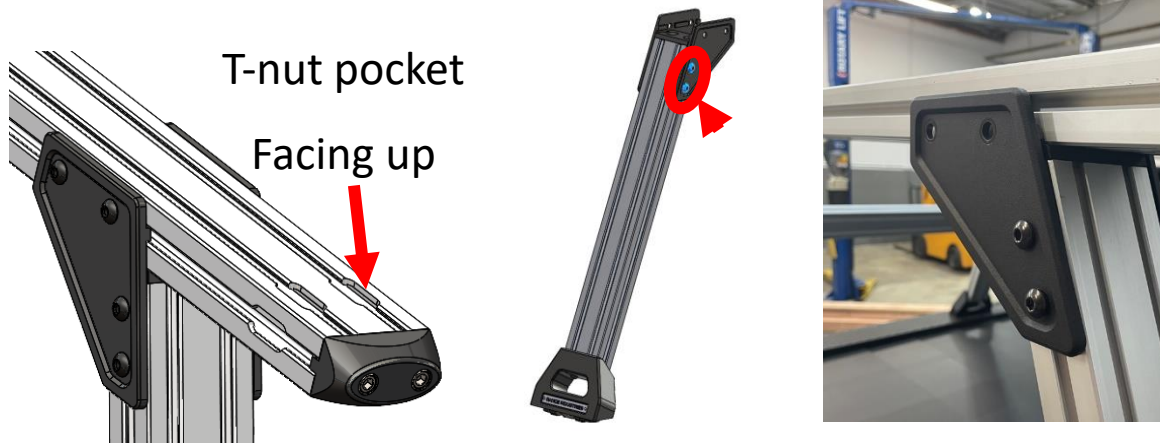
Begin by removing the 5/16"-18 x 1" bolts securing the u-nut the bottom of the upright assembly. Insert the foam backed u-nut into the factory Rivian anchor point as shown below.



Install the black foam gasket onto the bottom of the upright assembly. Next place the upright assembly over the anchor point (with silver logo plate facing outwards) and move around till it locates properly onto the anchor point. Double check to make sure the black foam cosmetic gasket is installed on the underside of the upright before install. Use two of the supplied 5/16"-18 x 1" stainless steel bolts to mount upright to the anchor point. We recommend the use of blue Loctite on all hardware for this install. Snug the bolts down until the upright is standing up fully. Push the base of the upright forward toward the opposite side of the bed while tightening. This makes the upright register off the vertical surface of the anchor point and keeps the upright square to the bed. Repeat this for the other 3 uprights.

## CROSSBAR INSTALL

Crossbar can be installed in two possible orientations (t-nut install pockets facing up or down). Think about your intended use for the rack and if one orientation makes more sense for you. Begin by loosening the 4x bolts on each upright assembly holding the corner plates in place by roughly 2 turns. This will allow the plates to lean away from the extrusion enough to drop the crossbars in from the top. Note, be careful not to loosen the bolt so much that it completely unthreads from the T-nut. Once the crossbar is resting on the upright assemblies, pull the loosened corner plates up and snap the bosses on the place into the channels on the crossbars.



Measure the amount of crossbar sticking out on each side of the upright assemblies. Try to move the crossbar to get these measurements as close as possible to center the crossbar. Once centered, install the drop in T-nuts into the crossbar channels. Slide nuts into position until they are aligned with the holes on the corner plates. Apply blue loctite to the supplied 5/16" -18 x 5/8" bolts and thread into the t-nuts. Snug bolts.



## CARGO PANEL INSTALL

Now it's time to attach the side cargo bars. They install from the inside, so it's easiest to sit inside the truck bed for this step. Install two of the spring clip t-nuts into the inside groove on the inside face of the extrusion (like the picture below) of each upright. Space nuts approx. 3" apart. Once T-nuts are installed, hold up the cargo bar in place and install the supplied 5/16" -18 x 5/8" long bolts. This step is easiest if you have a helper hold the bar in place while you install the bolts. Once installed it should look like the below photo.



REAR PASSENGER SIDE UPRIGHT SHOWN



Once the bar is in place, you can slide it up or down to the position of your choosing. Tighten all bolts to lock the crossbar in place.

## **FINAL TORQUE**

Go back and torque all bolts to 12.5 ft-lbs (150 in-lbs). Make sure blue Loctite was used on all bolts. Note, all bolts that came pre-installed have already had thread locker applied. Its important to wait till the end to fully tighten bolts. This way there wont be any preload or stress built into the joints of the rack. This allows for the rack to keep its exact shape when removed from the vehicle and makes re-installation a breeze.

## **BOLT CHECK**

After driving with rack installed for 25 miles, re-check hardware to ensure none of the hardware has loosened.

## **REMOVAL**

Rack can be removed as an entire assembly by simply removing the 8x bolts holding it to the factory anchor points. Once bolts are removed, lift rack from bed rails and remove from vehicle. Due to the racks weight (approx. 55 lbs) and size, we recommend finding another person to help with this step. Rack can also be disassembled piece by piece by reversing order of assembly.

## **RTT ADAPTER PLATES**

If your rooftop tent mounting rails have a spacing between approx. 32" and 43", RTT adapter plates may be necessary to mount. Loosely attach the 4X mounting plates to the top side of the extrusion crossbars with the provided hardware. Adjust spacing of adapter plates to match the spread of the RTT mounting rails. Use the two free holes on the adapter plate to mount the RTT to the rack.



RTT Mounting  
Holes