

*Sequoia*

# PRINSU RACK



## *Applications* installation instructions

These installation instructions apply to the following Prinsu products

– *Sequoia* Prinsu Rack | 2022- Present

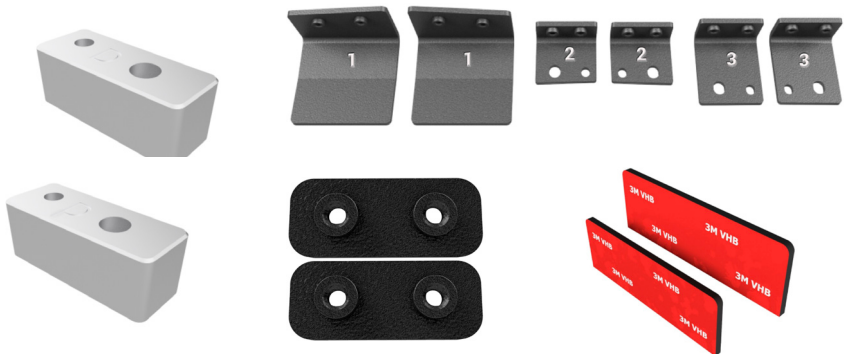
### **IMPORTANT!**

**THANK YOU** for purchasing this Prinsu product. Please read through this entire document before proceeding with installation. If you are not confident in your mechanical skills, please seek the help of a professional to perform the installation. Check your packages immediately upon arrival to ensure that everything listed is included, and to check for damage during shipping. ***If anything is missing or damaged, or if you need technical assistance with any aspect of this installation, call Prinsu at (208) 528-0664 as soon as possible.***

# Estimated Install Time 2 Hours

## Hardware

Mounting Hardware		
DESCRIPTION	QTY	TORQ
M8-1.25 x 40 mm Steel Hex Flange Bolt Zinc	5	20.0 Nm
M8-1.25 x 20 mm Steel Hex Flange Bolt Zinc	5	20.0 Nm
1/4"-20 x 1" Steel 6-Lobe Pan Machine Screw Black Zinc	16	8 ft-lbs
1/4" x .557" - .567" x .044" - .052" Steel Flat Washer	16	N/A
Wind Deflector Hardware		
DESCRIPTION	QTY	TORQ
1/4"-20 Steel T-nut Plain	12	N/A
1/4"-20 x 1/2" Steel Pan Head Phillips Black Zinc	12	8 ft-lbs
1/4" x .557" - .567" x .044" - .052" Steel Flat Washer	12	N/A
52" Cross Bar Hardware (For 11 Cross Bars)		
DESCRIPTION	QTY	TORQ
1/4"-20 Steel T-nut Plain	12	N/A
1/4"-20 x 1" Steel 6-Lobe Pan Machine Screw Black Zinc	46	8 ft-lbs
1/4" x .557" - .567" x .044" - .052" Steel Flat Washer	46	N/A

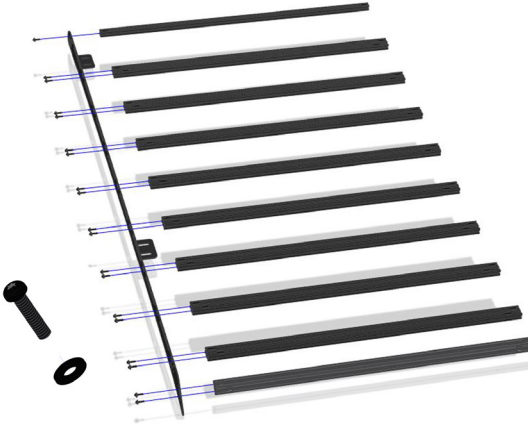


### WEIGHT CAPACITY:

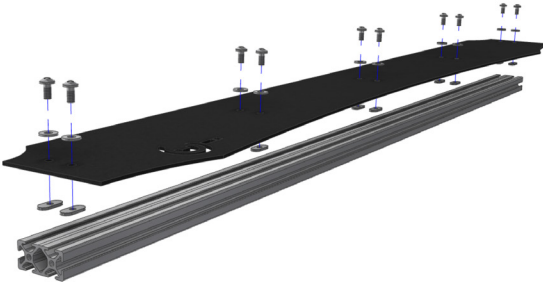
600lbs dynamic load capacity and 1,000lbs static load capacity

## IMPORTANT!

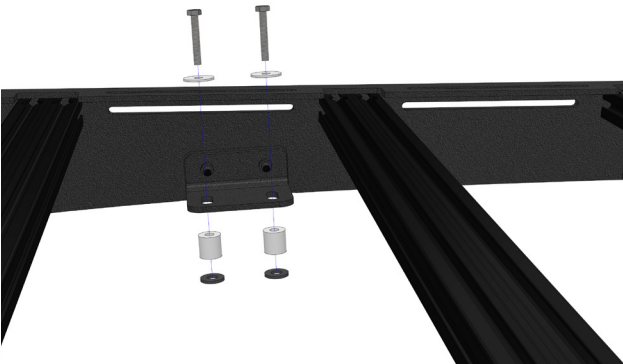
### Crossbars



### Wind Deflector



### Mounting



All products built and designed by Prinsu Design Studio are intended for off-road use and should be assembled, installed, and used according to Prinsu Design Studio's recommendations. Prinsu Design Studio products should be used safely with good judgment towards others and the environment. By installing Prinsu Design Studio Products on your vehicle you assume all liability. Prinsu Design Studio will not be held liable for damages or loss associated with the installation or use of its products.

Be smart, use good judgement, don't overload your vehicle to the point of inferior handling and maneuverability!

#### \*\*\* WARNING \*\*\*

Neither the seller nor the manufacturer will be liable for any loss, damage, or injury directly or indirectly arising from the use of or inability to determine the use of these products. Before using, the user shall determine the suitability of the product(s) for its intended use(s), and the user shall assume all responsibility and risk in connection therewith.

### Tools Required

- Black RTV Silicone
- Flat Head Screwdriver
- T-30 Torque Bit
- Phillips Head Screwdriver
- 7/16" Wrench
- 12mm Socket or wrench
- 13mm Socket or wrench
- Side Cutting Pliers

### Questions?

Call: 866-522-0697

Email: [info@cbioffroadfab.com](mailto:info@cbioffroadfab.com)

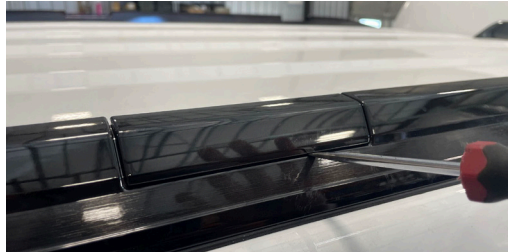
## Sequence of Steps

### 1. Prep and Layout

- First step is to lay out a soft blanket to protect your pieces and keep them organized. Unpack the box that your Prinsu Rack came in and confirm that you received all of the hardware and bracketry listed above.
- Now take all of the black bolts and prep them with a black washer and a drop of Vibra-tite.
- Next bolt the front side rail to the rear side rail using the side rail connector bracket make sure to use the top two holes and the Torque bolts. Just snug them up don't over tighten.
- Install the mounting feet to the appropriate side rail. The brackets are labeled as such only mount the #2, and #3 feet for now.  
*(#1s front feet, #2s middle feet, #3s rear feet)*
- Repeat on the other set of side rails.

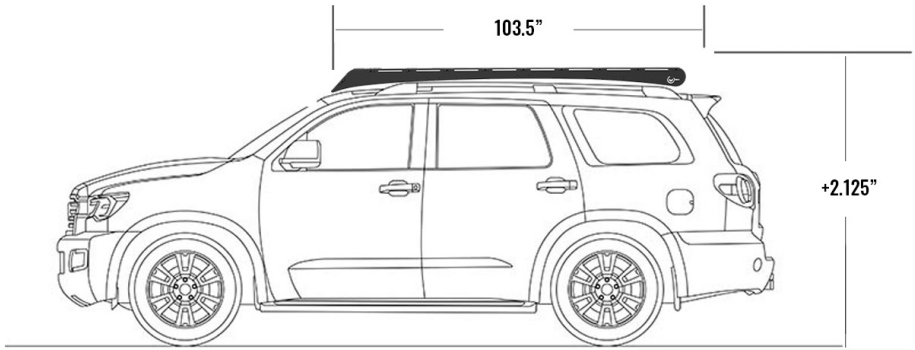
### 2. Mounting Rack to the Vehicle

- Locate the plastic covers on your factory rack, there should be two on each side.
- Take a flat head screwdriver and pry the covers off like the photo below.



- Apply some black RTV silicone into the exposed roof holes and Install the supplied mounting block with the longer M8 Bolt in the holes where you just removed the factory bolts.
- Now hold the appropriate side rails in place (side rails will be installed on the outside of the factory roof rack rails) and mount to the blocks using the shorter M8 bolts with some Vibra-Tite applied.
- Repeat on both sides
- Now you can start installing the cross bars into the smaller slots in the side rails. Cross bars will be mounted using the Torque head bolts. Start all bolts by hand and tighten down with a T-30.
- Now we can install the #1 mounting feet. Clean the area where the 3m tape will contact the roof and the mounting foot.
- Apply 3m tape to the bottom of the mounting foot
- Line up the mounting holes and adhere the foot to the roof and install the mounting bolts in the side rail.
- The silver colored cross bar will be installed on the wind deflector. Slide 5 T nuts into the top channel and 5 into the bottom channel and line them up with the holes in the wind deflector.
- Set the wind deflector on top of the silver cross bar and line up the holes with the t nuts.
- Start the Phillips head bolts, once all the bolts are started tighten them down.
- Now install noise reducing trim onto the wind deflector and trim off the excess.
- The wind deflector is now ready to be installed onto the vehicle.
- Double check the alignment of the rack and make sure all bolts have been tightened down.

USABLE PLATFORM AREA 52"x 92"



## WEIGHT CAPACITY:

600lbs dynamic load capacity and 1,000lbs static load capacity

## WARRANTY

PRINSU DESIGN STUDIO will warranty all PRINSU DESIGN STUDIO manufactured parts for a LIFETIME of use. This limited Lifetime Warranty is effective for as long as the original retail purchaser owns the product. This warranty terminates when the original retail purchaser sells or otherwise transfers the product to any other person. Each manufactured product must be installed following PRINSU DESIGN STUDIO'S recommended fitment and installation procedures. Any customization or modification to the original product design, functionality, or use, either by said customer or by PRINSU DESIGN STUDIO voids all warranty eligibility. It is the sole discretion of CBI Offroad to determine warranty eligibility. Subject to the limitations and exclusions described in this warranty, PRINSU DESIGN STUDIO will remedy defects in materials or workmanship by repairing or replacing, at its option, a defective product without charge for parts. In addition, PRINSU DESIGN STUDIO may elect, at its option, not to repair or replace a defective product but rather issue to a purchaser a refund equal to the purchase price paid for the product or a credit to be used toward the purchase of a new PRINSU DESIGN STUDIO product. No warranty is given for defects caused by normal wear and tear, cosmetic rust, scratches, accidents, unlawful vehicle operation, products used for racing or competition, or modification of, or any types of repair of, a PRINSU DESIGN STUDIO manufactured product. The PRINSU DESIGN STUDIO Warranty does not include the powder coated finish. No warranty is given for defects resulting from conditions beyond PRINSU DESIGN STUDIO'S control including, but not limited to, misuse, neglect, overloading, improperly maintained or failure to assemble, mount or use the product in accordance with PRINSU DESIGN STUDIO'S written instructions or guidelines included with the product or implied use made available to the purchaser.

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