

5th Gen 4Runner

PRINSU PRO RACK



Applications

installation instructions

These installation instructions apply to the following Prinsu products

– **Toyota 4Runner** Prinsu PRO Rack | 2010-2023

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.***

Est. Installation Time

1.5 hours

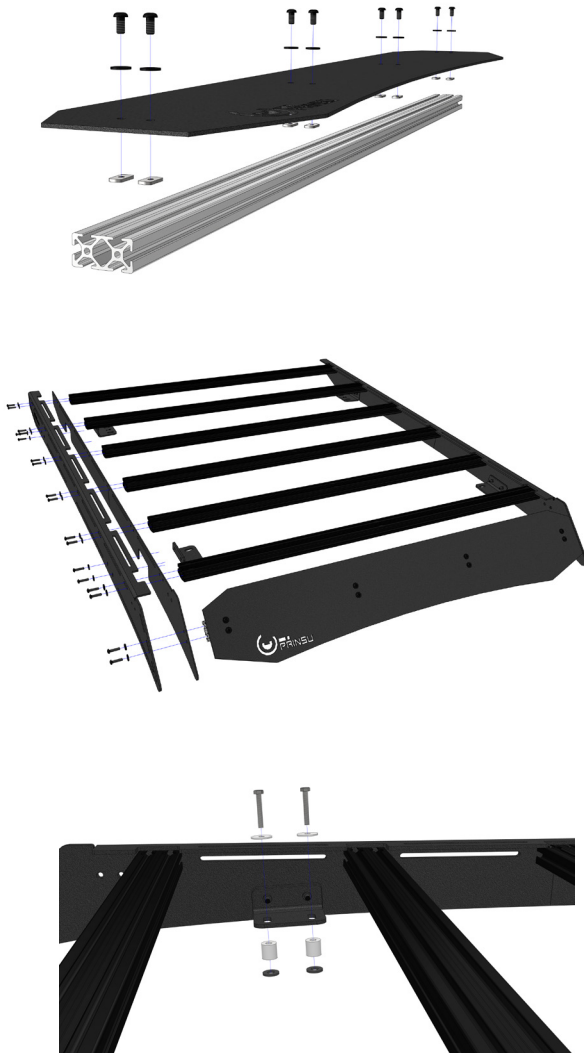
Hardware Included

Pro 5th Gen Toyota 4Runner Roof Rack Mounting Hardware		
DESCRIPTION	QTY	TORQ
.509"ID-3/4"OD x 1" Long Aluminum Spacer	8	N/A
Black Rubber Washer	8	N/A
5/16" x 1-1/2" x .062" Steel Fender Washer	10	N/A
M8-1.25 x 60 mm Steel Hex Cap Screw Zinc	10	20.0 Nm
Pro 5th Gen Toyota 4Runner Mounting Feet Hardware		
DESCRIPTION	QTY	TORQ
1/4"-20 x 1" Stainless Steel Button Head Socket Black Oxide	14	8 ft-lbs
1/4" x .625" x .0625" Stainless Steel Flat Washer	14	N/A
Crossbar Hardware (For 10 Pro Cross Bars, 9 Pro and 1 Clear)		
DESCRIPTION	QTY	TORQ
1/4"-20 x 1" Stainless Steel Button Head Socket Black Oxide	42	8 ft-lbs
Vibra-Tite 111 Low Strength Threadlocker Pack of 3 Tubes	1	N/A
1/4" x .625" x .0625" Stainless Steel Flat Washer	42	N/A
Wind Deflector Hardware		
DESCRIPTION	QTY	TORQ
1/4"-20 Steel T-nut Plain	10	N/A
1/4"-20 x 1/2" Steel Pan Head Phillips Black Zinc	10	8 ft-lbs
1/4" x .625" x .0625" Stainless Steel Flat Washer	10	N/A

WEIGHT CAPACITY:
600lbs dynamic load capacity and 1,000lbs static load capacity

Tools Required

- T-30 Torque bit
- Phillips Head Screwdriver
- Side Cutting Pliers
- 12MM Socket
- 7/16" Wrench
- Flat Head Screwdriver



IMPORTANT!

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! with the process, to lessen the

*** 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 or powder coating 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.

Note for Dealers and Installers:

Read through all instructions before starting install. It is your responsibility to ensure instructions are given to the end user or client.

Sequence of Steps

1. Remove factory roof rack

- You will need to pry upwards on the plastic covers at each end of the roof rail.
- Now remove the 4 bolts on each side of the roof rack rail.
- Pull straight up and the roof rack rail will come off.

2. Lay out the Prinsu Rack on the floor in the orientation that it will be installed, set all the pieces on a blanket so they don't get scratched up.

- With the Prinsu Pro rack you will have an inner and outer side rail, 6 bolt-on mounting feet, 10 Cross bars, and your hardware kit.
- Tear into the hardware kit and start prepping your T-30 Torque bolts with a washer and a dab of vibra tite.
- Bolt the mounting feet to the side rails. The mounting feet that have a D will go on the drivers side, the mounting feet with a P will go on the passenger side. The mounting feet will recess flush on the inside of the side rail. If it doesn't fit right, try a different mounting foot. You will use the T-30 bolts to secure the mounting foot to the side rail. Be careful not to over tighten the bolts.
- Now start to install the cross bars, make sure that the drop in points are facing upwards and you don't install a cross bar over a mounting foot. You will also use the T-30 Torque bolts to secure the cross bars to the side rail. There will be one cross bar that is different, it will be flat on the underside. This will be the cross bar that will be installed on the Wind Deflector. If you have help you can install most of the cross bars on the ground, if you are installing this rack by yourself you may want to install the cross bars once the rack is on the vehicle.

3. Setting the rack on the vehicle.

- Make sure the Vehicle is clean around the factory mounting points so the rubber washers will seal properly to the roof. Place the rubber washers over the mounting points, place the aluminum spacers on top of the rubber washers, now fill the inside of the spacers with the silicone. You won't need to fill the entire spacer with silicone, just make sure there is a good amount inside the spacers.
- Now the Pro Rack is ready to set into place. Line up the mounting feet onto the aluminum spacers and start the mounting bolts. Leave loose for now.
- Make a mark on the weather stripping on each side of the front mounting feet, and cut out with side cutting pliers so that the mounting foot will sit flat against the vehicle's roof.
- Temporarily remove the front mounting foot, make sure the vehicle roof is clean where the mounting foot will sit, apply the double sided tape to the bottom of the mounting foot, and carefully stick it into place. Now reinstall the bolts.
- Make sure the rack is aligned properly and snug up the mounting bolts.
- Check the spacing between the bottom of the side rail and the vehicle's roof. If you need to adjust the mounting feet go ahead and do that now.

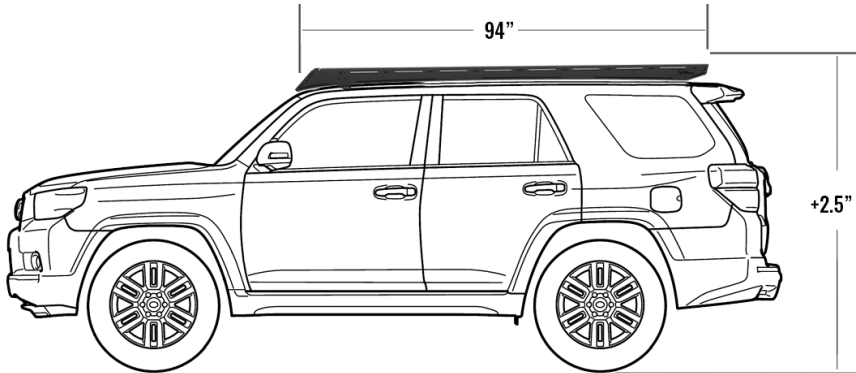
4. Install Remaining cross bars

- You may need to loosen neighboring cross bars/mounting feet in order to get the additional cross bars into place.

5. Install Wind deflector

- Slide in the T nuts into the Wind Deflector cross bar, Make sure the flush side is facing up. Align the t nuts with the holes in the Wind Deflector.
- Prep the phillips head bolts with a washer and some vibra tite.
- Use the phillips head bolts to secure the Wind Deflector to the cross bar.
- Now install the noise reducing trim onto the bottom of the Wind Deflector and trim the excess.
- Install the Wind Deflector on the vehicle, now your install is complete!

USABLE PLATFORM AREA 89.50" x 47"



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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