

T2-T3 Tacoma

# PRINSU PRO RACK



## **Applications** installation instructions

These installation instructions apply to the following Prinsu products

– **Toyota Tacoma** Prinsu PRO Rack | 2005-2023

### **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.***

# Hardware Included

<b>2nd/3rd Gen Toyota Tacoma Double Cab Prinsu Pro Roof Rack</b>	
<b>2nd/3rd Gen Toyota Tacoma Double Cab Pro Roof Rack Mounting Hardware</b>	
<b>DESCRIPTION</b>	<b>QTY</b>
0.319"ID-3/4"OD x 1" Long Aluminum Spacer	10
M6-1.0 x 55 mm Steel Hex Cap Screw Zinc	12
1/4" x 1" x 0.062" Steel Fender Washer	12
3/8" x 13/16" x 3/32" EPDM Washer	12
	<b>34</b>
<b>Crossbar Hardware (6 Pro Crossbars, 1 Clear extrusion) 47"</b>	
<b>DESCRIPTION</b>	<b>QTY</b>
1/4"-20 x 1" Stainless Steel Button Head Socket Black Oxide	30
1/4" x .625" x .0625" Stainless Steel Flat Washer	30
Vibra-Tite 111 Low Strength Threadlocker Pack of 3 Tubes	1
	<b>61</b>
<b>Wind Deflector Hardware</b>	
<b>DESCRIPTION</b>	<b>QTY</b>
1/4"-20 x 1/2" Stainless Steel Button Head Socket Black Oxide	10
1/4" x .625" x .0625" Stainless Steel Flat Washer	10
1/4"-20 Stainless Steel Dual Tab Spot Weld Nut N/A	10
	<b>30</b>
<b>Pro Roof Rack Mounting Feet Hardware</b>	
<b>DESCRIPTION</b>	<b>QTY</b>
1/4"-20 x 1" Stainless Steel Button Head Socket Black Oxide	14
1/4" x .625" x .0625" Stainless Steel Flat Washer	14
	<b>28</b>

## Tools Required

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

### Note for Dealers and Installers:

It is your responsibility to ensure instructions are given to the end user or client.

## **IMPORTANT!**

If your Prinsu product comes as unpainted, bare steel or aluminum. You will want to either powder coat or paint prior to final installation, however it is very important to PRE-INSTALL the unpainted product first, following these instructions, BEFORE painting or powder coating any of the components! This will ensure that all parts are correct and any incidental trimming or drilling will have been done prior to coating. Also, it will give you a practice run to familiarize yourself with the process, to lessen the likelihood of damaging the finish during final installation.

Prinsu is NOT RESPONSIBLE for paint or powder coating costs, damage to paint or powder coating, or costs associated with inadvertently painting or powder coating components that are defective or were shipped or assembled in error. It is the customer's responsibility to pre-install and verify that all parts are correct prior to paint or powder coat

---

## 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 5 bolts on each side of the roof rack rail.
  - Pull straight up and the roof rack rail will come off.
  - If you don't have a roof rack pull the weatherstripping off of each side and you will see clear tape covering the mounting holes on the roof. Remove the tape and you'll be ready to go!
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, 7 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. Trim the weatherstripping
  - The first method is to hold the weatherstripping up beside the roof and mark on the weatherstripping where there is a mounting location. Then simply using a pair of side cutting pliers cut the weatherstripping on the marks and reinstall it.
  - The second method is to hold the weatherstripping up next to the roof and mark where the mounting holes are located on the weatherstripping. Now using a  $\frac{7}{8}$  hole saw, cut out the holes and clean the edges with a razor knife.

- 
4. 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 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.
  
  5. Install Remaining cross bars
    - You may need to loosen neighboring cross bars/mounting feet in order to get the additional cross bars into place.
  
  6. 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.
  
  7. Trim the weatherstripping
    - The first method is to hold the weatherstripping up beside the rack and mark on the weatherstripping where there is a mounting location. Then simply using a pair of side cutting pliers cut the weatherstripping on the marks and reinstall it.
    - The second method is to hold the weatherstripping up next to the rack and mark where the mounting holes are located on the weatherstripping. Now using a  $\frac{7}{8}$  hole saw, cut out the holes and clean the edges with a razor knife.



792 E Iona Rd.  
Idaho Falls, ID 83274  
cbioffroadfab.com  
**208.528.0664**