

T2/T3 Access Cab

# PRINSU RACK



## Applications

installation instructions

These installation instructions apply to the following Prinsu products

– **Toyota Tacoma** Prinsu Access Rack | 2005-2022    SKU: 800-000-000-064

## **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.***

## 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

### Hardware

	qty
• 1/4"x1" Torx head bolts	(26)
• 1/4"x1/2" Phillips head bolts	(12)
• 1/4" T-nuts	(12)
• 1/4" Black Washers	(38)
• 1/4"x2" Hex head bolt	(12)
• 1/4"x2 1/2" Hex head bolt	(1)
• 5/16" Hex Coupler	(1)
• 1/4" Plus nut	(13)
• 1/4" Fender washer	(12)
• 1" Black spacer	(12)

### Parts

• Side Rails	(2)
• Cross Bars	(5 Black, 1 Silver)
• Wind Deflector	(1)
• Noise Reducing Trim	(1)

### Tools Required

- VERY Sharp metal bit set
- Drill
- 7/8" Hole saw
- T-30 Torx bit
- #2 Phillips screwdriver
- Tape Measure
- Side Cutting Pliers
- 7/16" Wrench/Socket
- 1/2" Wrench
- Black RTV Silicone
- Towel to protect roof when setting down tools
- Sharpie to mark holes
- Moving Blanket to protect Prinsu Rack when assembling

#### Note for Dealers and Installers:

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

## Unbox and Layout

## Hardware Prep

1. Layout Side Rails, Wind Deflector, and Crossbars (set parts on a moving blanket to prevent damaging Prinsu Rack during assembly)
  2. Layout and verify hardware is correct (see list on previous page)
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1. Place a black washers on all the Torx bolts and the Phillips head bolts
  2. Place a zinc coated (silver) washer on the Hex head bolts
  3. Put a small dot of Vibra-Tite (included in your kit) on the end of the threads of every bolt included in your kit
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1. Using the Torx head bolts, bolt the Black Crossbars to the side rails. Crossbars can be mounted in the longer slots if desired, but the Crossbars are designed to mount in the smaller slots in the side rails. Make sure to start all hardware by hand, Don't exceed 6 ft-lb of torque  
Do not install a Crossbar over a mounting foot yet, you will need access to that area to bolt the Prinsu to the roof.
  2. Slide the (5) T Nuts into the top slot of the silver colored Crossbar and (5) T Nuts into the bottom slot of the silver colored Crossbar. Ensure the flat side is facing up.
  3. Spread out the T Nuts and align them with the Wind Deflector holes.
  4. Place Wind Deflector onto the silver colored Crossbar and start all Phillips head bolts.
  5. Once all Phillips head bolts are started, go ahead and tighten them down. Again don't exceed 6 Ft-Lbs of torque.
  6. Now take your noise reducing trim and apply it to the Wind Deflector. The bulb of the trim will face the backside of the Wind Deflector. Take some side cutters and trim the excess.
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## Assemble the Prinsu Rack

## Mark and drill holes

1. Remove weatherstripping from the driver and passenger side of the vehicle.
    - You can do this by using a plastic pry tool or screwdriver (be careful not to scratch the paint)
  2. Measure **7 3/8 Inches from the edge off the windshield** and make a mark down inside the rain gutter (where the weatherstripping was previously). Do this on the driver and passenger side of the vehicle.
  3. Using the proper drill bits, drill the holes that you just marked.
    - Having a good sharp set of drill bits will make life much easier!
    - Start small, Drill about an **1/8"** hole to start with and work your way up slowly to the final size of **3/8"**
    - Use a drill bit stop or extreme caution when drilling. You don't want to drill further than 1 inch below the roof.
    - Setting the drill to slower speeds and using a good cutting lube will help tremendously.
  4. Now that the two holes are drilled take the 2 1/2" bolt, slide on a washer, then the hex coupler, a small black washer, and then thread on the plus nut. Make sure the plus nut is threaded on until it is snug up against the hex coupler.
    - Reread step 4! Hardware must be assembled in the order listed above for the plus nut to compress properly.
  5. Apply a small bead of Black RTV Silicone to the inside lip of the plus nut (the lip of the plus nut is the area the will make contact with the roof of the vehicle)
  6. Push the plus nut into one the previously drilled holes, hold the hex coupler with a 1/2" wrench and turn the head of the bolt with a 7/16" socket or wrench. Tighten bolt head to 75 inch pounds.
  7. Repeat this process on the other previously drilled hole.
  8. Now set the Prinsu Rack onto the vehicle, line up the mounting holes to the installed plus nuts and thread in a bolt on each side.
  9. Ensure the rack is sitting nice and straight on the vehicle and mark the rest of the holes to be drilled.
  10. Remove the Prinsu Rack from the roof and repeat Steps 3-6 on the rest of the previously marked hole locations. Again use **Extreme Caution** not to drill too deep into the roof!
  11. You can use a small magnet to retrieve metal shavings from the inside of the drilled holes
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## Cutting the weatherstripping

There are two methods to cut the weatherstripping to fit around the mounting locations of the Prinsu rack, one method is cutting three sections out of the weatherstripping where the Prinsu rack will bolt to the roof. The other method involves drilling a  $\frac{7}{8}$ " hole where each mounting bolt is located. We prefer the  $\frac{7}{8}$ " hole drilling method because it holds the weatherstripping together better than the cutting method, but the cutting method also works. Once the weatherstripping is drilled or cut, reinstall it.

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1. Apply a larger amount of Black RTV Silicone over each installed plus nut (similar to the size of a Hershey Kiss)
  2. Smush down a black spacer over each of your Hershey kisses.
  3. Now set the Prinsu Rack in place and start all the hex head 2" long bolts but hand.
  4. Once all the bolts are started, and tighten them down using a  $\frac{7}{16}$ " wrench or socket. Torque to 6 ft-lbs.
  5. Install the remaining Crossbars .
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## Bolting down the Prinsu Rack



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