

Nissan Frontier

PRINSU PRO RACK



Applications installation instructions

These installation instructions apply to the following Prinsu products

– *Nissan Frontier* Prinsu PRO Rack | 2022-Present

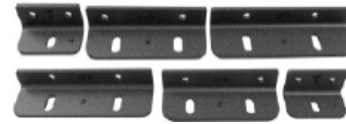
IMPORTANT!

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.***

Nissan Frontier Prinsu Pro Rack

Hardware Included

Nissan Frontier (3rd Gen Crew Cab) Pro Roof Rack Mounting Kit	
DESCRIPTION	QTY
1/4"-20 0.020"- 0.280" Grip Range Yellow Zinc Flat 1"Length Steel Sherex™ CPB Rivet Nut	10
3/8" x 13/16" x 3/32" EPDM Washer	10
0.319"ID-3/4"OD x 3/4" Long Aluminum Spacer	2
0.319"ID-3/4"OD x 5/8" Long Aluminum Spacer	8
1/4"-20 x 1-3/4" Steel Hex Cap Screw Zinc	10
1/4" x .734" x .062" Steel Flat Washer	10
Pro Roof Rack Mounting Feet Hardware	
DESCRIPTION	QTY
1/4"-20 x 1" Stainless Steel Button Head Socket Black Oxide	14
1/4" x .625" x .0625" Stainless Steel Flat Black Oxide Washer	14
Prinsu Plus Nut Install kit	
DESCRIPTION	QTY
1/4"-20 x 2-1/4" Steel Tap Bolt Zinc	1
1/4" x .625" x .062" Steel Flat Washer	2
5/16"-18 x 1-1/8" Steel Coupling Nut Zinc	1
1/4"-20 0.020"- 0.280" Grip Range Yellow Zinc Flat 1"Length Steel Sherex™ CPB Rivet Nut	1
Crossbar Hardware (For 8 Cross Bars, 7 Pro and 1 clear, - 47")	
DESCRIPTION	QTY
1/4"-20 x 1" Stainless Steel Button Head Socket Black Oxide	34
1/4" x .625" x .0625" Stainless Steel Flat Black Oxide Washer	34
Vibra-Tite 111 Low Strength Threadlocker Pack of 3 Tubes	1
Wind Deflector Hardware	
DESCRIPTION	QTY
1/4"-20 x 1/2" Stainless Steel Button Head Socket Black Oxide	10
1/4" x .625" x .0625" Stainless Steel Flat Black Oxide Washer	10
1/4"-20 Stainless Steel Dual Tab Spot Weld Nut N/A	10



Tools Required

- Tape Measure
- 5/32 Allen
- 1/2 wrench
- 7/16 wrench/socket
- Drill and Sharp Drill bits
- 7/8 hole saw (optional)
- Utility Knife
- Side cutting pliers

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 or costs associated with inadvertently painting or powder coating



** Use the video link below only for the Drilling and Mounting step under Sequence of steps: Step 3



Questions?

Call: 866-522-0697
Email: info@cbioffroadfab.com

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. Un pack Prinsu box and prep hardware and brackets

- Lay out a moving blanket on the floor and start laying out all your Prinsu parts.
- Verify you have 2 outer side rails, 2 inner rear side rails, 2 inner front side rails, 7 Pro crossbars, 1 silver cross bar, 1 wind deflector, noise reducing trim, and several hardware bags.
- Empty out the hardware bags, but keep them sorted and organized
- Put a washer on every bolt and a dab of vibra tite thread locker on the end of each bolt. Prepping all this hardware will make for a much smoother install.

2. Partially assemble Prinsu rack

- You'll see that the mounting feet are labeled. The sequence is as follows
 - 1-Passenger front
 - 2-Passenger middle
 - 3-Passenger rear
 - 4-Passenger front
 - 5-Passenger middle
 - 6-Passenger rear
- Use your $\frac{3}{4}$ long black bolts to attach the mounting to the side rails in the order stated above.
- Install a crossbar in the front, one in the middle, and one in the rear of the rack. Cross bars are meant to be installed in the smaller slots in the side rail, make sure that you install the inner side rail between the outer side rail and the cross bar. Also don't install a cross bar over a mounting bracket just yet, you will need access to the mounting bracket to bolt the rack to the truck.

3. Measure and drill rear mounting holes.

- Now on the rear of the cab you will measure 7 inches forward from the black colored trim. You can reference our install video on Youtube for the Regular Prinsu rack, the drilling is in the same location as the Pro Rack *****(See QR code on pg3)***. Once you make your 7 inch marks on each side of the vehicle, you can place one of the black aluminum spacers centered over your 7 inch marks and trace around the spacer. You can use your utility knife to cut out the foam type material until you get down to metal. You'll need to have a nice clean surface for the Pro rack to seal properly so make sure to remove all the foam material for the spacer to sit flush to the cab of the truck.
- The other option is to take a $\frac{7}{8}$ hole saw and drill on your 7 inch mark, this is an **EXTREME CAUTION** situation, the hole saw bit is only designed to remove the foam NOT drill through the roof with a $\frac{7}{8}$ hole. This will cause irreparable damage! I prefer to use this method because it has a really clean look and a spacer fits in the $\frac{7}{8}$ foam cutout perfectly you just have to be very careful.
- Once this is accomplished on both sides of the vehicle transfer your 7 inch mark to the metal surface of the room.
- When drilling your 7 inch mark, start small and gradually get larger bit involved until you reach our final size of $\frac{3}{8}$. Drill slowly and be careful not to drill too deep into the roof.

4. Plus nut installation

- Grab your hardware bag with one plus nut, one bolt, a hex, coupler, and a couple of washers in it.
- Take the bolt, slider a washer on, the hex coupler, another washer, and thread the plus nut on tight up against the washer.
- Apply a small amount of RTV Silicone around the hole on the truck.
- Put the plus nut into the hole until the lip is all the way against the truck.
- To compress the plus nut, hold the hex coupler with a $\frac{1}{2}$ wrench and tighten the bolt head with a $\frac{7}{16}$ wrench or socket. Do NOT use an impact to compress the plus nut. Tighten to 26 inch lbs. Now remove the bolt and the plus nut is securely installed!
- Repeat this process on the other side of the vehicle.

5. Set Pro rack on vehicle.

- Next step is to set the Pro rack on the vehicle and mark the remaining holes.
- Line up the rear holes and start a bolt in each side of the rear mounting brackets to ensure the rack is properly aligned.
- Now mark the remaining mounting holes to be drilled on the truck.

6. Remove the rack and install the remaining plus nuts.

- You guessed it! The rack comes off and the drilling continues.
- Make sure to remove the foam around the holes in the same fashion as before.
- Drill using the same techniques, start small and work your way up to $\frac{3}{8}$ inch.
- Install the remaining plus nuts using RTV and torquing to 26 inch Lbs.

7. Install the Pro Rack to the truck

- Line up the Pro rack on the truck
- Lift one side at a time and place the rubber washer flat against the roof over the plus nut and a spacer on top of the rubber washer. The washer has to be installed on a clean metal surface or the rack will not properly seal!
- Fill the inside of the spacer with RTV silicone and start threading bolts in. The spacers are the same size so they can go over any hole.
- Once all the mounting bolts are started go ahead and tighten them all down.

8. Install wind deflector and remaining cross bars

- Lay the silver wind deflector flat on the ground and slide 5 of the silver T nuts in each of the slots. You can use a screwdriver to slide them into place and align them with the wind deflector.
- Once the T nuts are aligned with the wind deflector start the shorter black bolts in the holes. Once all the bolts are started and the wind deflector is flush on each end of the silver cross bar, snug them up with a $\frac{5}{32}$ allen.
- Apply the noise reducing trim to the wind deflector and trim off the excess with some side cutting pliers.
- Install the remaining cross bars, You may have to loosen the crossbars on either side of the cross bar you're trying to install in order for it to fit properly.
- That's all folks!



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