

PREPARING YOUR VEHICLE FOR INSTALLATION

Please read all instructions prior to beginning installation. Various steps may relate directly to previous or future parts of the installation process. PrInSu Design Studio is not liable for damages caused to your vehicle during the installation process. If you do not feel comfortable with the processes outlined in this manual please seek professional installation assistance.



Use a knife, flathead screwdriver or other flat rigid object to pry the covers off the stock roof rack. Place a rag or paper towel over the paint so you can pry against the vehicle without scratching the paint.



The covers are held by 3-4 clips along the edge so pry in multiple locations until the cover pops off.



Remove the hex bolts holding the factory roof rack to the vehicle. Once all 8 bolts are removed (4 front, 4 back) gently lift the factory rack and remove it.



With the bare roof exposed you prepare the mounting holes for the installation of the new PRINSU rack.



Clean out the areas around the mounting holes and make sure there is not debris in the area. You can also clean the area where the factory rack contacted the roof.



Add a glob of silicone or RTV sealant right over the top of the holes and then place the spacers into the silicone. The vehicle is now ready for you to install the rack.

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

ASSEMBLING THE RACK

We recommend assembling the rack completely on a level surface prior to installation on the vehicle. This will help certify that all parts are properly aligned and even. Assembling the rack on the vehicle or the roof may cause unsatisfactory results which may cause wind noise or rack failure.



Layout all the parts including accessories you may be installing such as a lightbar, or other hardware to attach accessories



Start by connecting the crossbars to the side rails. Install the front, rear, and middle crossbars first to ensure that the rack is square. Tighten all crossbars loosely as shown in the picture and then go around and tighten them in even increments.

***NOTE:** The appropriate torque for a 1/4 - 20 grade two bolt is between 37 - 43 in-lbs. Which is approximately 3 ft- lbs. The heads will shear off between 15-20 ft-lbs.
A Use caution when using power tools.

Once the crossbars are all installed and tight, check the rack to make sure it is square. You can do this by comparing diagonal measurements from corner to corner. Once the rack is tight and square move on to the next steps and assemble the wind deflector.

***NOTE:** The 1/4 Lock washers are no longer included with the hardware. Use the provided tube of thread lock instead.
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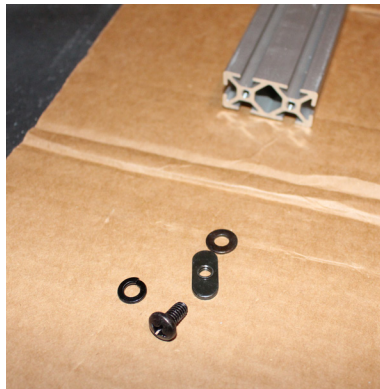
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ASSEMBLING THE WIND DEFLECTOR

We recommend assembling the rack completely on a level surface prior to installation on the vehicle. This will help certify that all parts are properly aligned and even. Assembling the rack on the vehicle or the roof may cause unsatisfactory results which may cause wind noise or rack failure.



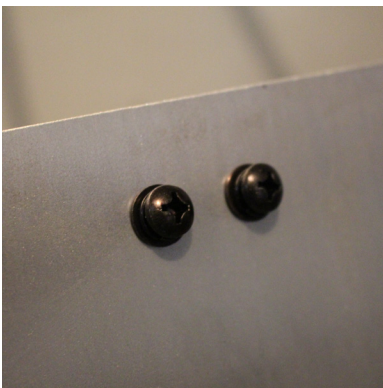
Locate the correct hardware bag containing (10) nuts, lock washers, flat washers, and phillips machine screws.



Locate the clear anodized crossmember that will be used as the support for your wind deflector. (Some models may have a black anodized bar)



Install the hardware from step 1 through the wind deflector as shown in steps 3 and 4. The screws should just barely thread into the nuts.



Complete step 3 for all ten mounting holes on the the wind deflector. The correct order is screw, lock washer, flat washer, deflector, nut. The screw should be loosely threaded into the nut.



Lay the deflector on a flat surface so that the nuts are facing up. From one end start sliding the extrusion bar so that the nuts feed into the channel. The fit is tight but if everything is lined up properly it will slide right on



Once all nuts have been fed into the channel and the extrusion bar and deflector are flush on both ends, turn the assembly over and tighten the screws till the lock washers are compressed. The defelctor can now be bolted to the rack.

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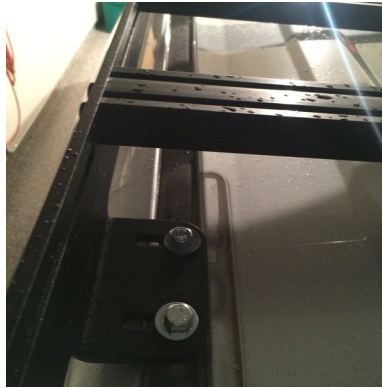
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INSTALLING THE RACK

Please see the help of another individual when lifting the rack onto your vehicle. Attempting to place the rack on your vehicle without additional help may result in personal injury or damage to your vehicle or rack. PrInSu Design Studio is not liable for any personal or property damage resulting from improper installation.



Place the rack on the spacers that were placed in silicone during the vehicle prep. It is best to have someone help lift the rack onto the truck.



Secure the rack to the truck by using the 8M x 1.25 Hex bolts, lock washers and flat washers. Make sure to attach the rack loosely at all points before tightening any.



Make sure the rack is centered and loosely secured at all mounting points. Once the rack is in the desired location. Tighten each bolt till the lock washer is fully compressed and spacer is firmly seated against the roof.

The rack is now ready for use. Make sure to check all connections after roughly 100 miles of highway driving or 20 miles of offroad to ensure that all connections are secure. We recommend this as a precaution but have never had any issues.

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ACCESSORIES AND ADD-ONS

The universal nature of the TSLOTS aluminum extrusion crossbars allows for the attachment of various accessories. Because we cannot control how or what accessories are installed we do not take any responsibility for their performance or use. Please use good judgement when outfitting your roof rack. Below are shown some basic uses we have found suitable for the PrInSu Design Studio Roof Racks.



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