

PRINSU ROOF RACK INSTALLATION GUIDE

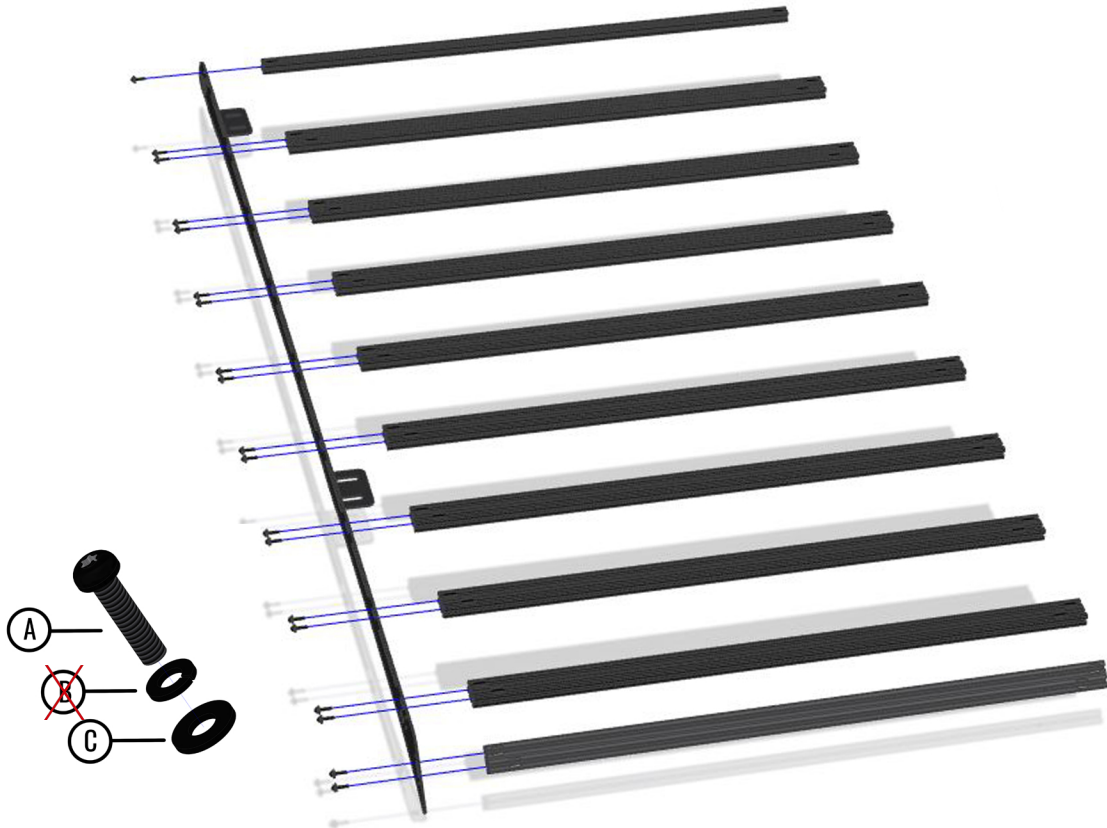


GEN 5 4RUNNER FULL NON DRILL

*** 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 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.***

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CROSSBAR HARDWARE DIAGRAM



***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. Use caution when using power tools.

A

PART	DESCRIPTION	QUANTITY
A	1/4" - 20 x 1" MACHINE SCREW	38
B	1/4" LOCK WASHER	38
C	1/4" FLAT WASHER	38

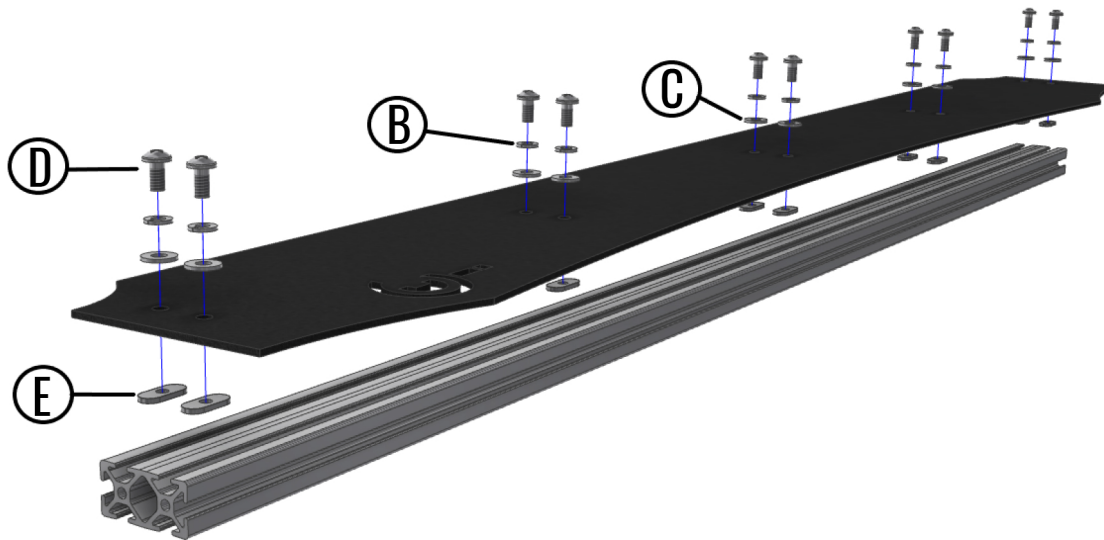
***NOTE:** The 1/4 Lock washers are no longer included with the hardware. Use the provided tube of thread lock instead.

B

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WIND DEFLECTOR HARDWARE DIAGRAM

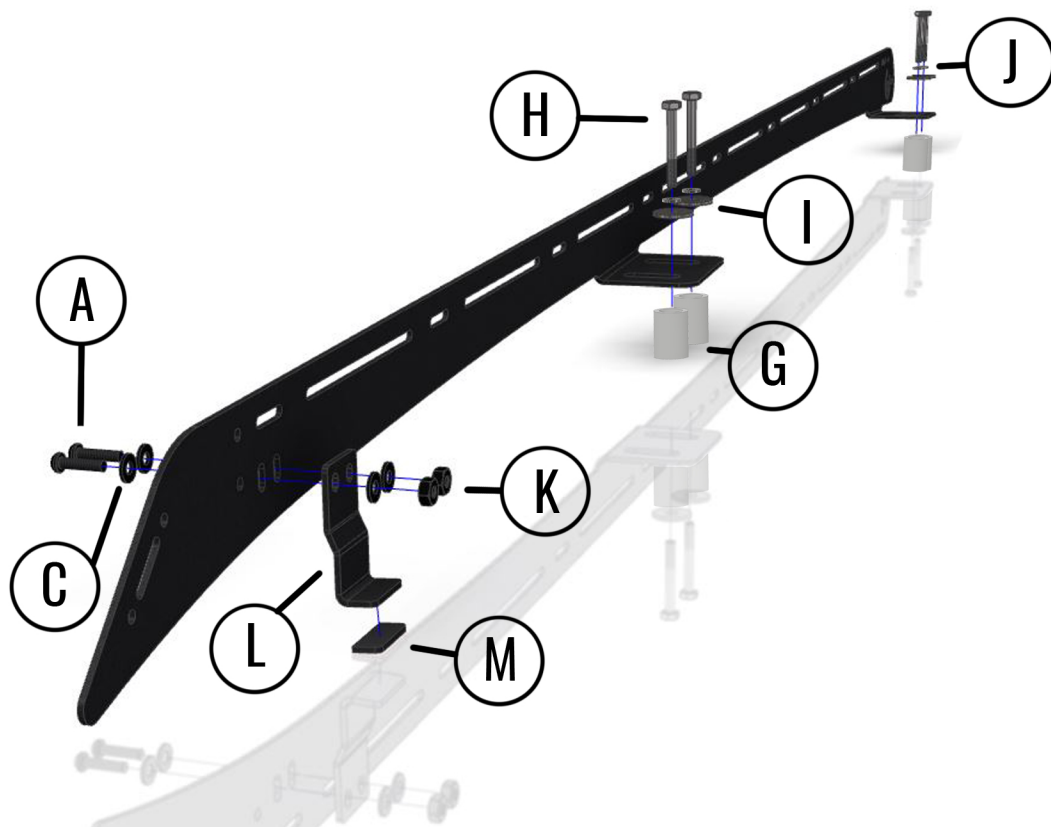


PART	Description	Quantity
B	1/4"- Lock Washer	10
C	1/4" - Flat Washer	10
D	1/4" - 20 x 1/2" Pan Head Screw	10
E	1/4" - 20, 10 Series T Nut	10

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MOUNTING HARDWARE DIAGRAM

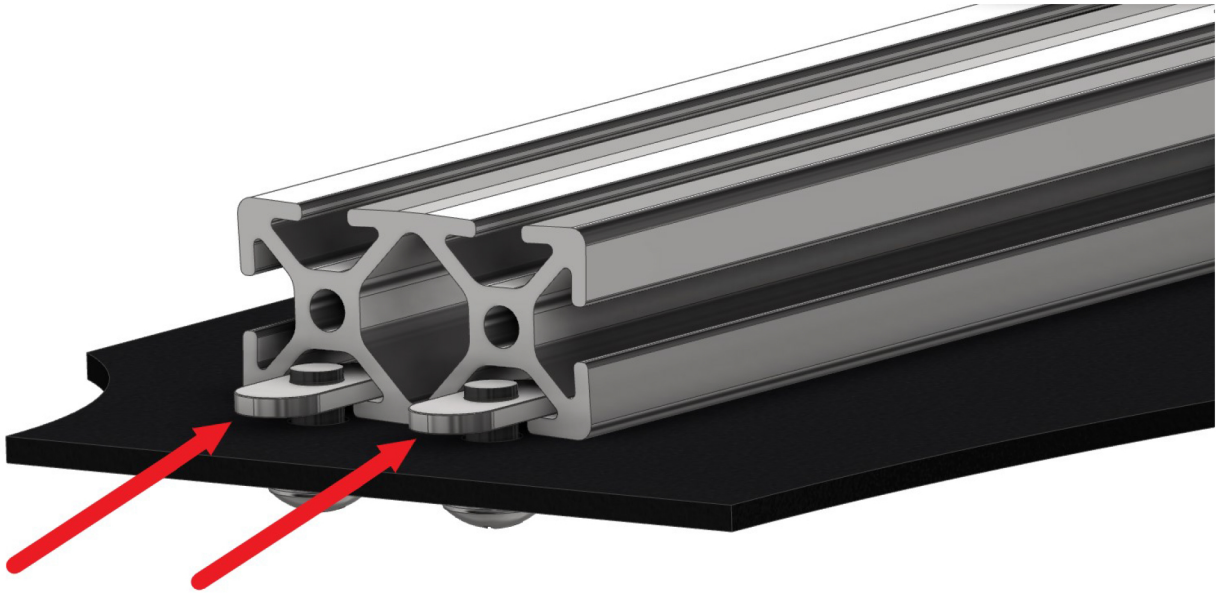


PART	DESCRIPTION	QUANTITY
A	1/4" - 20 x 1" MACHINE SCREW	4
C	1/4" FLAT WASHER	4
G	3/4" OD x 1/2" ID x 1" SPACER	8
H	M8 X 60MM HEX CAP SCREW	8
I	5/16" x 1-1/2" FENDER WASHER	8
J	5/16" - LOCK WASHER	8
K	1/4" NYLOC NUT	4
L	FRONT MOUNTING FOOT	2
M	3M STRIPS	2

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WIND DEFLECTOR ATTACHMENT



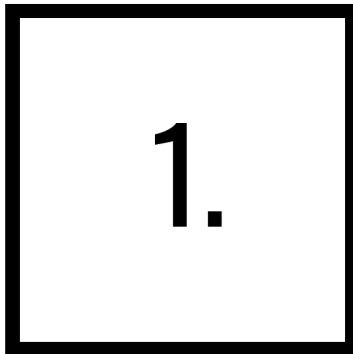
1. Install the wind deflector hardware as shown in the diagram on page 3. The screws should just barely thread into the T-Nuts .
2. Lay the deflector on a flat surface so that the T-Nuts are facing up.
3. From one end start sliding the extrusion bar so that the tnuts feed into the channel.
4. Once everything is lined up properly it will slide right on
5. Once all T-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 until the lock washers are compressed.
6. The deflector can now be bolted to the rack.

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Vehicle Installation

If you do not feel comfortable with the processes outlined in this manual please seek professional installation assistance.
 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.



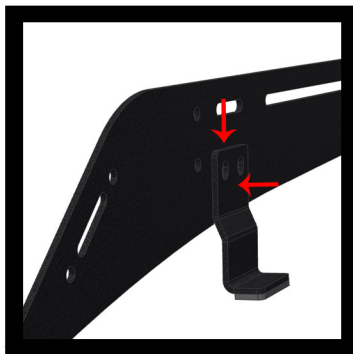
Remove the stock roof rails



Next bolt each side rail to the vehicle but don't completely tighten them yet so you have enough movement available to make sure the rack is square later before fully tightening down.



Now attach the crossbars. Except the furthest forward which will be attached later. Make any adjustments if needed to make sure the rack is square then fully tighten it down.



Align the front mounting foot without removing the tape backing yet and mark the rubber gutter trim where it will land & then trim out the rubber in that spot.



To prepare the surface for application of the front mounting foot clean the area on the roof of the vehicle with a 50/50 isopropyl alcohol/water mixture and allow to dry.



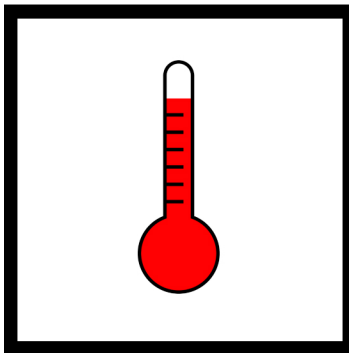
To insure proper alignment when applying the front mounting foot 1st butt it up against the side rail to insure it will be square and then slide down until the tape makes contact with the surface.

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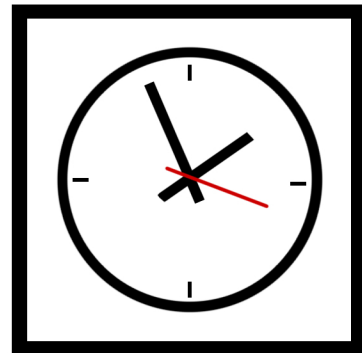
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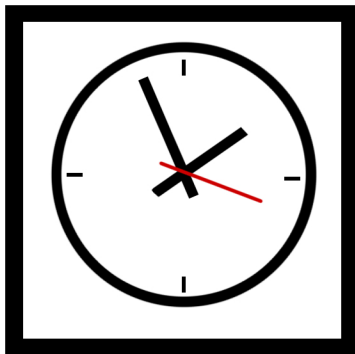
Apply firm pressure to the front mounting foot along the highlighted region to insure good contact between surfaces



For best results a temperature range of 70° F - 100° F is recommended at the time of application (*)



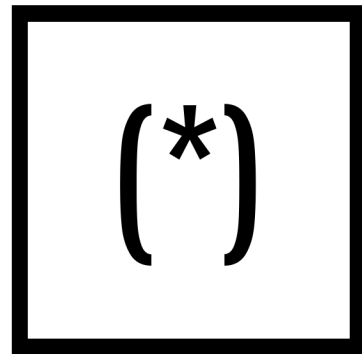
1 hr of set time will allow for the tapes' bond strength to build up to 75% of its ultimate bond strength (*)



After the recommended 1 hr has passed tighten the front mounting feet to the side rails



Hardware installation order



For more information on application of the tape visit the link below

(*) Source: 3M™, http://solutions.3m.com/3MContentRetrievalAPI/BlobServlet?locale=en_IN&lmd=1257400213000&assetId=1180621425284&assetType=MMM_Image&blobAttribute=ImageFile

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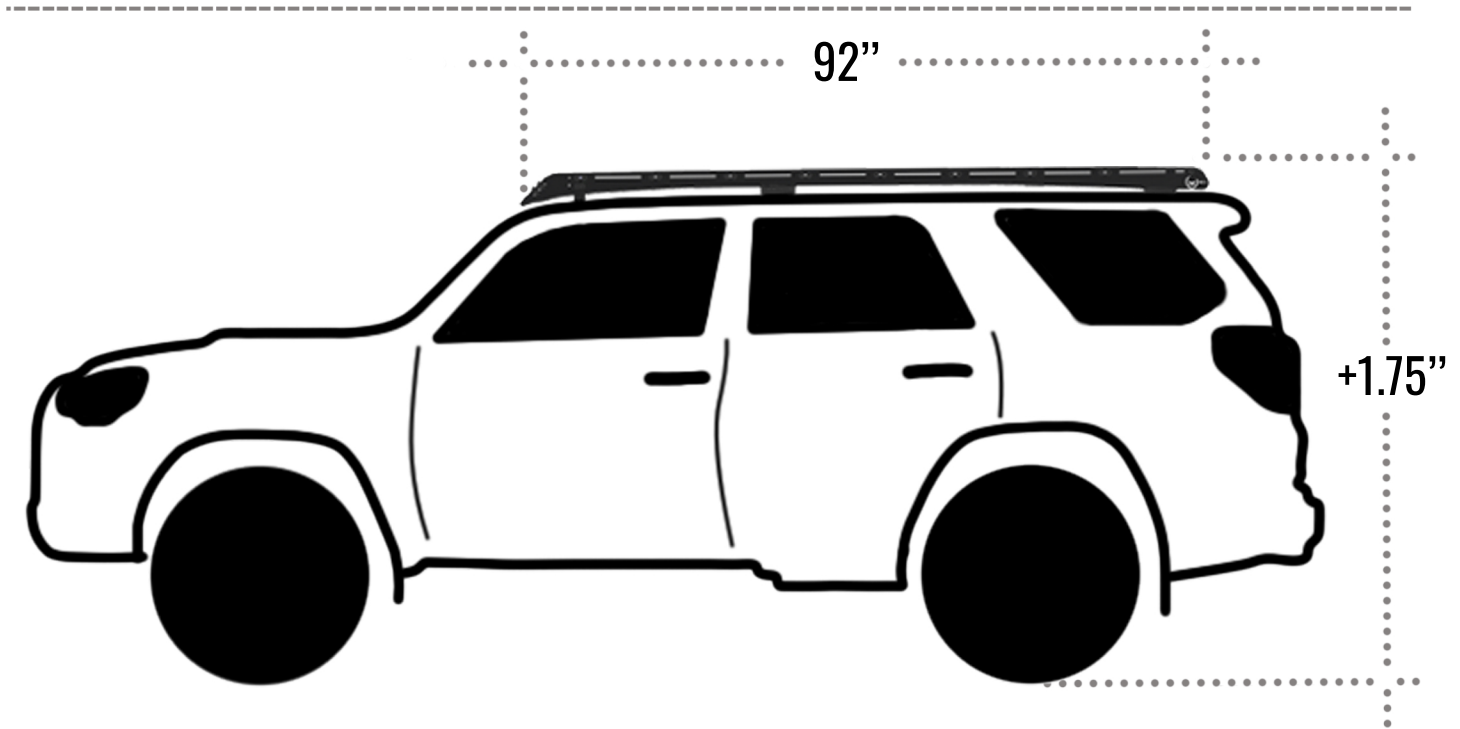
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GEN 5 4RUNNER ROOF RACK SPECIFICATIONS



FEATURE	MEASUREMENT
OVERALL LENGTH	92"
SIDE RAIL HEIGHT*	2"
HEIGHT ADDED **	1.75"
CLEARANCE BETWEEN ROOF AND RACK	.625"
SUNROOF FUNCTIONAL	YES
WEIGHT	~50 LBS
CROSS BARS - BLACK - (1X2)	(9) 47"
CROSS BARS - BLACK - (1X1)	(1) 47"
CROSS BARS - CLEAR - (1X2)	(1) 47"

*AS MEASURED AT THE CENTER OF THE SIDE RAIL

**AS MEASURED FROM THE CENTER POINT OF THE ROOF

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