

# PRINSU ROOF RACK INSTALLATION GUIDE

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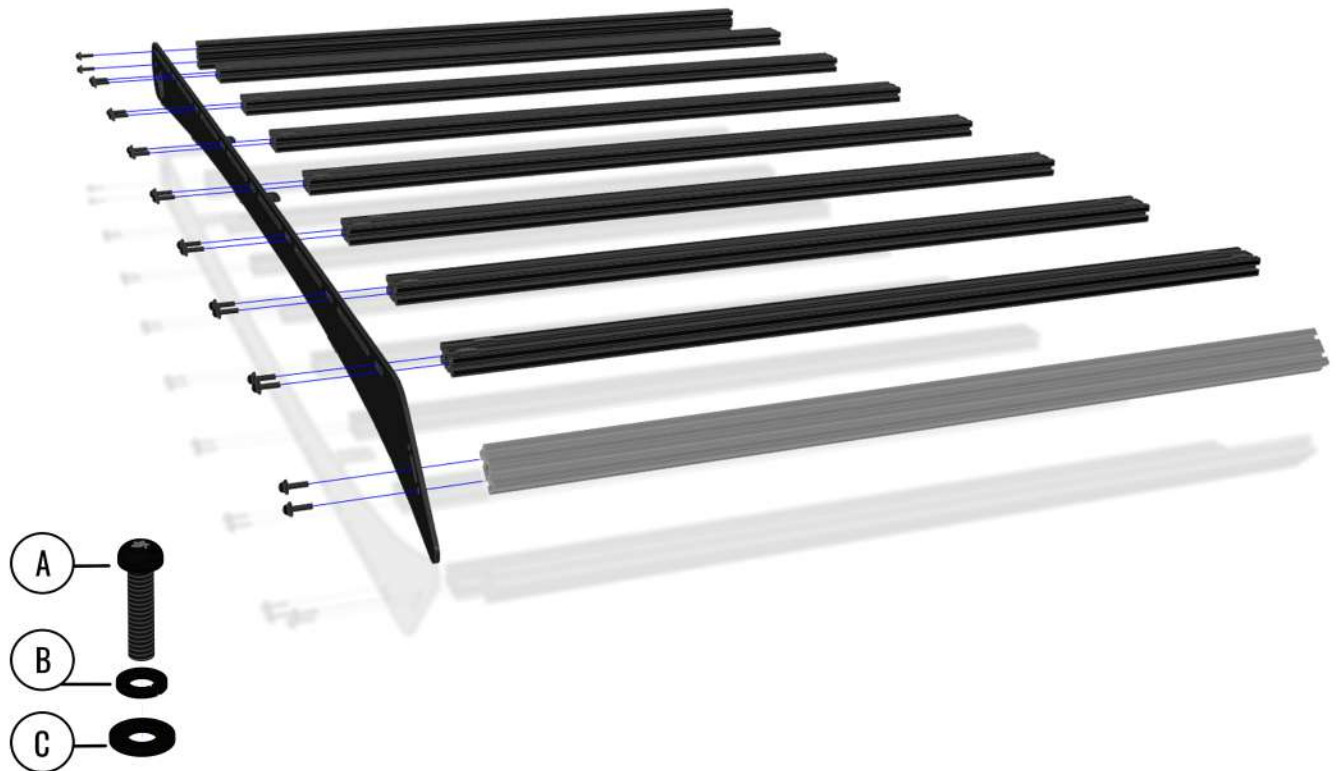
## SUBARU OUTBACK

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## CROSSBAR HARDWARE DIAGRAM

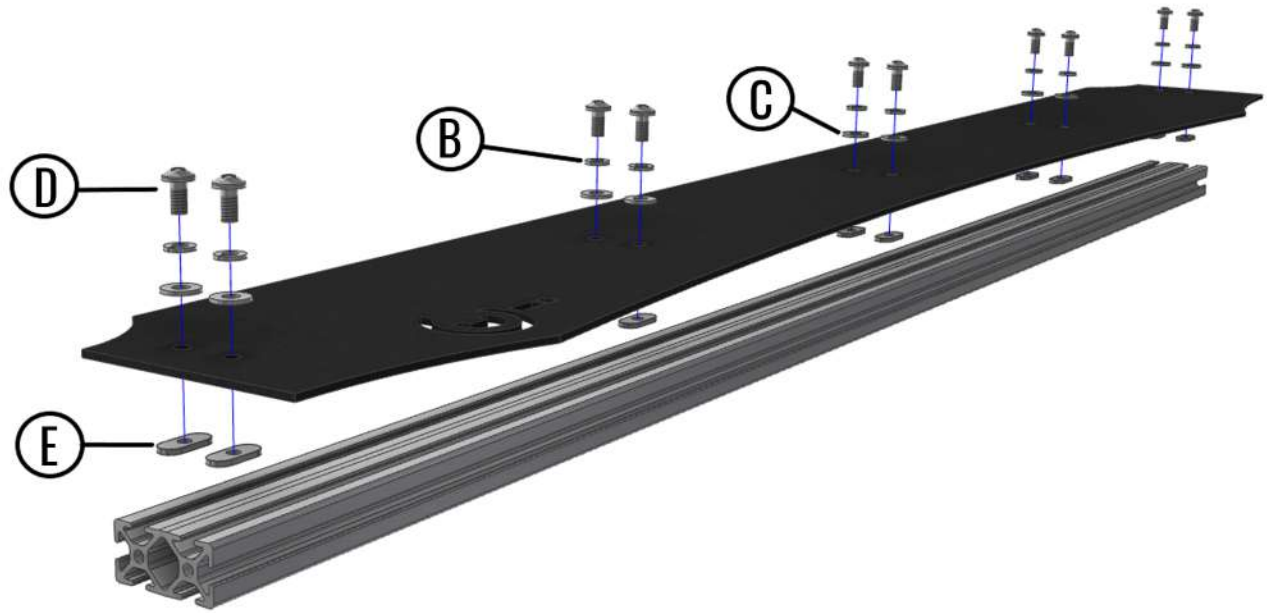


PART	DESCRIPTION	QUANTITY
A	1/4" TORX SCREW	36
B	1/4" SPLIT LOCK WASHER	36
C	1/4" FLAT WASHER	36
	44" CROSS BAR - BLACK 1 X 2	8
	44" CROSS BAR - CLEAR 1 X 2	1

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## WIND DEFLECTOR HARDWARE DIAGRAM

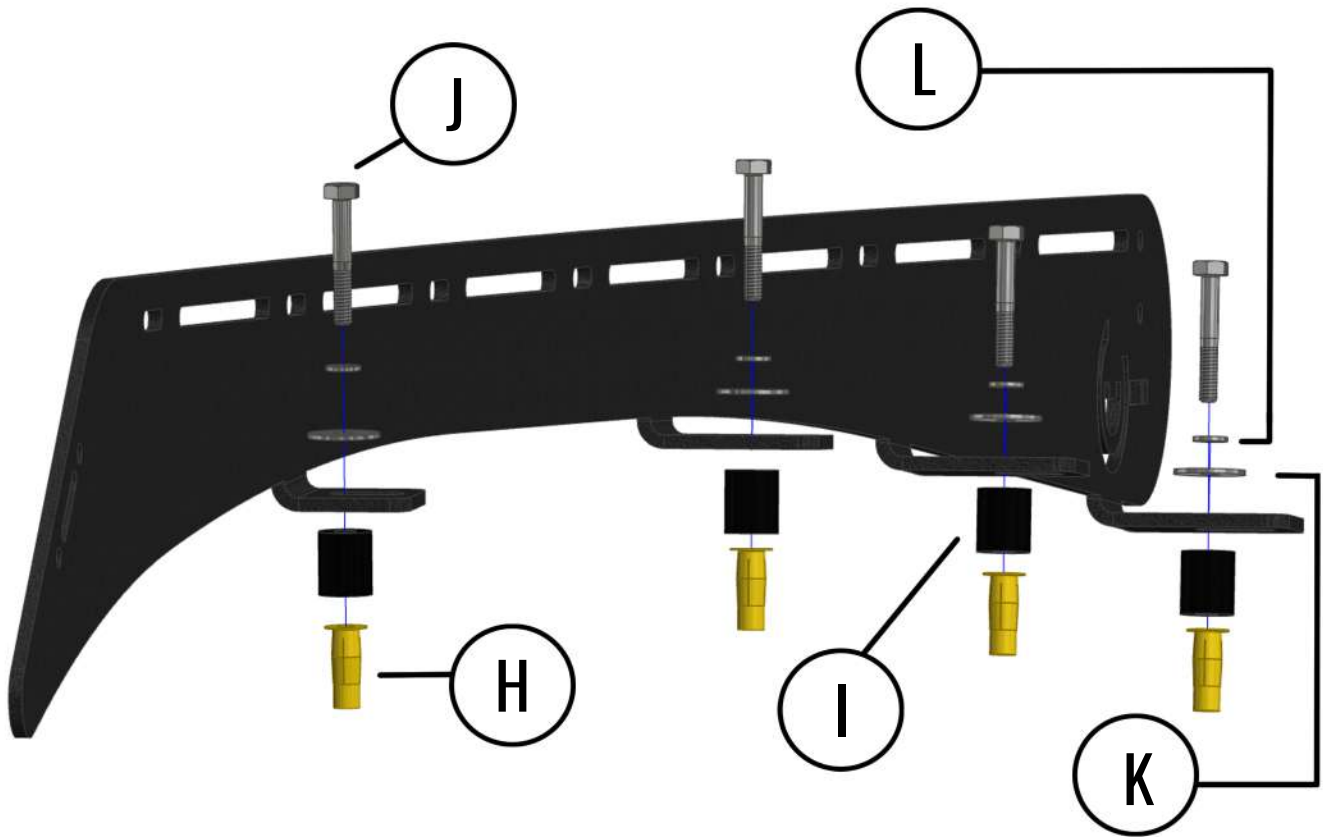


PART	DESCRIPTION	QUANTITY
B	1/4" LOCK WASHER	10
C	1/4" FLAT WASHER	10
D	1/4" - 20 x 1/2" PAN HEAD SCREW	10
E	1/4" - 20, 10 SERIES T-NUT	10

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## MOUNTING HARDWARE DIAGRAM

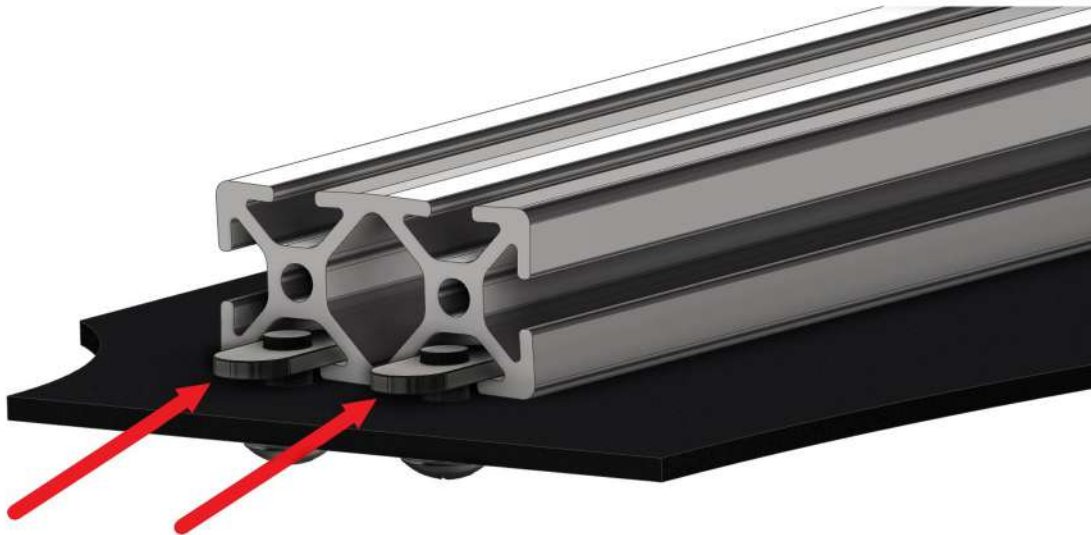


PART	DESCRIPTION	QUANTITY
H	PLUSNUT	14
I	7/8" ALUMINIUM SPACER	8
J	1-3/4" STEEL HEX CAP SCREW	8
K	1/4" x 1" FENDER WASHER	8
L	1/4" LOCK WASHER	8

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## WIND DEFLECTOR ATTACHMENT



### STEPS

1. INSTALL THE WIND DEFLECTOR HARDWARE AS SHOWN IN THE DIAGRAM ON PAGE 3. THREAD THE SCREWS JUST BARELY INTO THE T-NUTS TO BEGIN WITH.
2. LAY THE WIND DEFLECTOR ON A FLAT SURFACE IN THE ORIENTATION SHOWN ABOVE.
3. FROM ONE END START SLIDING THE EXTRUSION BAR SO THAT THE T-NUTS FEED INTO THE CHANNEL.
4. ONCE EVERYTHING IS LINED UP PROPERLY THEY WILL SLIDE RIGHT TOGETHER.
5. NOW WITH ALL THE T-NUTS FED INTO THE CHANNEL AND THE EXTRUSION BAR AND WIND DEFLECTOR LINED UP FLUSH AT BOTH ENDS, TURN THE ASSEMBLY OVER AND TIGHTEN THE SCREWS UNTIL THE LOCK WASHERS ARE FULLY COMPRESSED.
- 6 . THE WIND DEFLECTOR ASSEMBLY CAN NOW BE BOLTED TO THE ROOF RACK.

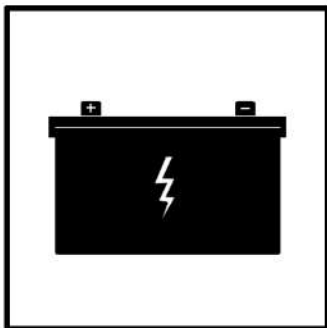
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## STOCK ROOF RAIL REMOVAL INSTRUCTIONS

**\*If you do not feel comfortable with the process outlined in this manual please seek professional installation assistance**

**\*Please read all instruction 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**



Before beginning any work on the inside of the vehicle first disconnect the battery



Beginning in the rear of the vehicle there is screw behind the circled tab that needs removed



Push the tab down to expose the screw and remove



Next remove the piece pictured above



It's attached by plastic tabs around its perimeter



Using a plastic removal tool begin removing the panel around the lift gate supports

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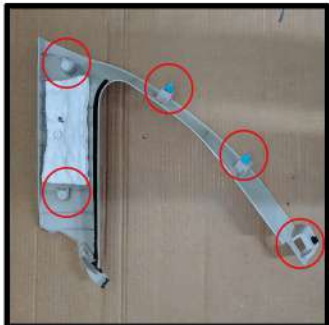
The bottom of the lift gate support panel is covered by a panel below which must be pryed back



Panel fully removed



Next begin removing the trim panel surrounding the rear window by first pulling down the center of the black push tab



Window trim panel removed, it is held in by five plastic push tabs



Now move to the passenger side of the vehicle and remove the screw pictured above



This allows you to pull the panel back to expose a screw holding the upper panel in place



Upper panel removed



Repeat the same process as on the driver side



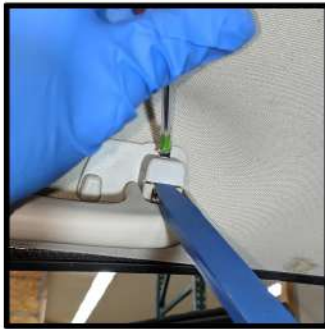
Remove rear dome light with a plastics removal tool

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# PRINSU ROOF RACK INSTALLATION GUIDE



Now remove the grip assist handles



Use a flat head screw driver to depress the release tab then pull up and out



Once the plastic covers are removed simply pull out the handle



Remove cover from B pillar



Remove screw



From the top and sides pull out on the B pillar plastic



B pillar trim removed, it's held in by plastic push tabs



Next remove the rubber trim around the sunroof



To remove the sun visors first remove the hanger tab

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# PRINSU ROOF RACK INSTALLATION GUIDE



Remove cover from visor mount



Remove screws



Undo plug for the in visor lights and pull out on the top of the A pillar trim



To fully remove the A pillar panel you must rotate the retention hook to slide it out



Remove the overhead light



To remove the dome light console pull down and out from the front



The rear is held up by three plastic push tabs, once removed The headliner will fully drop



To remove the stock roof rails there are seven nuts that need removed



To remove the far rear roof rail nut use the access holes to reach the nut

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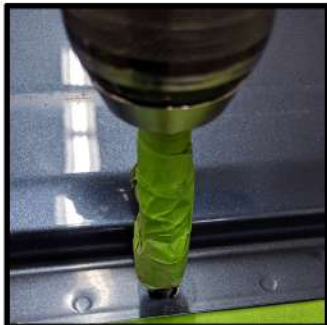
All removed parts



To gain better access to the nuts near the middle of the car partial loosen the screws holding the cylinder shown above ...



... this allows the cylinder to rotate downwards slightly



Now with the stock rails removed drill out the holes to 3/8". **\* Using a drill stop is recommended**



Be sure to clean any shavings away that fell thru while drilling Then apply a thin layer of silicon before inserting the plusnuts



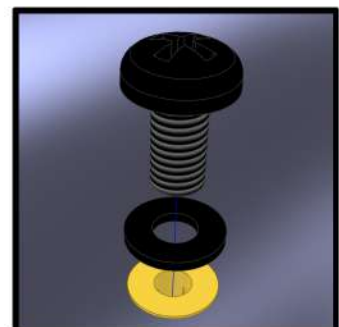
Compress the plusnut by using a 1/2" wrench to hold the coupler & tighten with an 11mm wrench



Fully installed plusnut



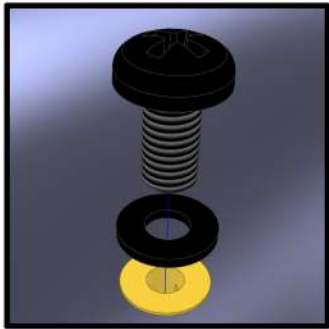
Before placing the spacers down apply a liberal amount of sealant to ensure a water tight seal



For the plusnuts w/out a mounting foot first apply a liberal amount of sealant ....

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... then place a flat washer down followed by a phillips head screw



**\*\*\* Now with all the plusnuts \*\*\* fully installed tighten these screws back up**



Remove front section of the stock roof rails



Section removed



Then trim as shown



Attach the rubber gutter trim as shown



Finished trim view



Before your 1st drive double check all fasteners to insure they are fully secured



From there on out periodically check all fasteners to insure they remain fully secured

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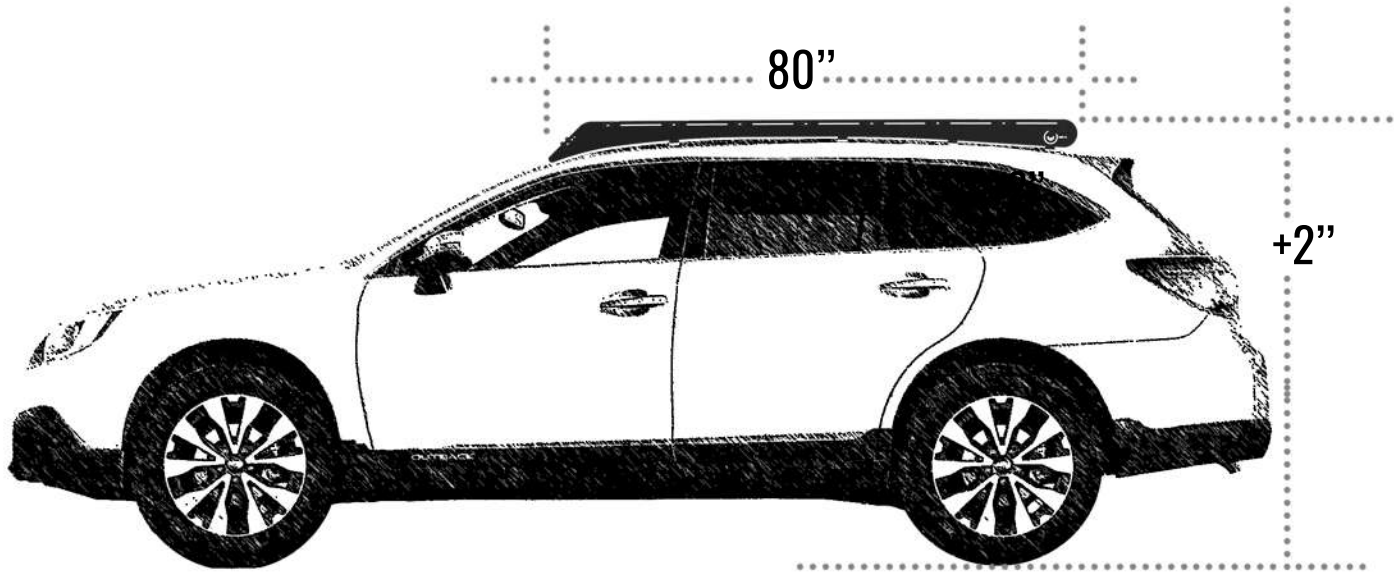
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FEATURE	MEASUREMENT/QUANTITY
OVERALL LENGTH	80"
SIDE RAIL HEIGHT*	2 5/8"
HEIGHT ADDED **	2"
CLEARANCE BETWEEN ROOF AND RACK	3/4"
WEIGHT	~ 48 LBS
SUNROOF FUNCTIONAL	YES
44" CROSS BARS - BLACK - (1X2)	8
44" CROSS BAR - CLEAR - (1X2)	1

\*AS MEASURED AT THE CENTER OF THE SIDE RAIL

\*\*AS MEASURE FROM THE CENTER POINT OF THE ROOF

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