

# PRINSU ROOF RACK INSTALLATION GUIDE



## 3RD GEN SUBARU FORESTER

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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.  
**A** Use caution when using power tools.

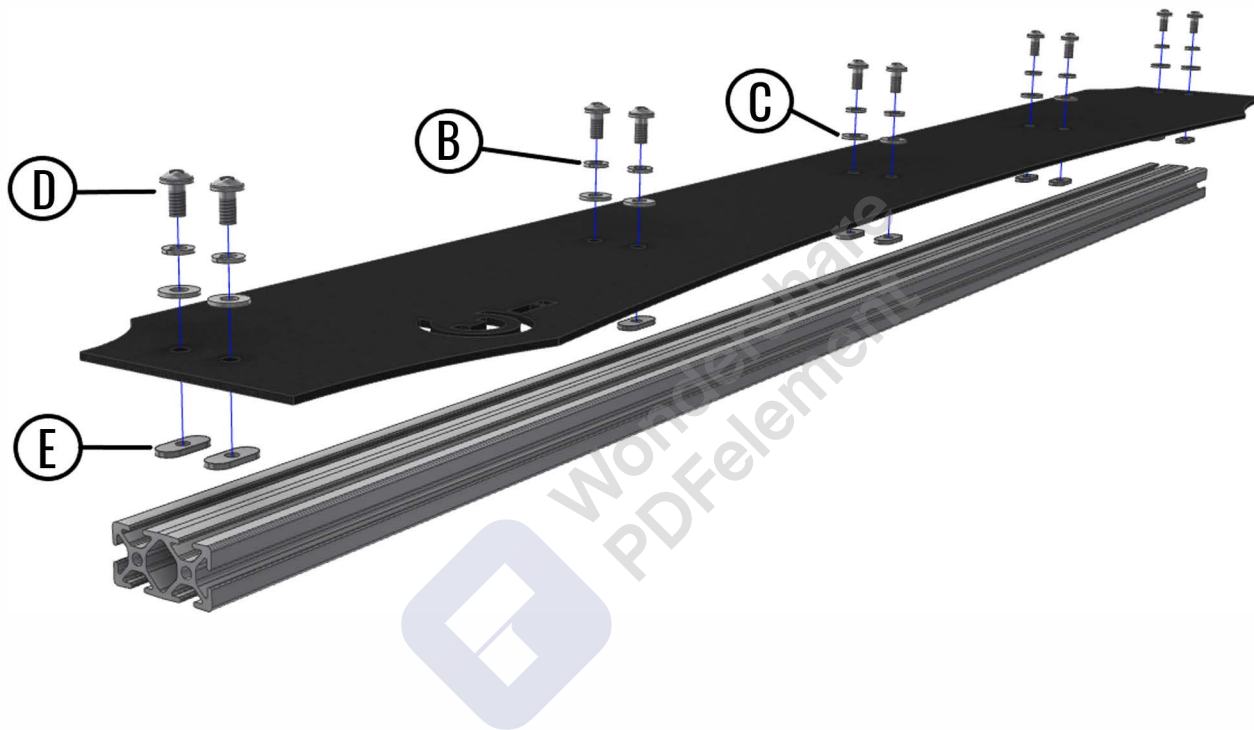
**\*NOTE:** The 1/4 Lock washers are no longer included with the hardware. Use the provided tube of thread lock instead.  
**B**

PART	DESCRIPTION	QUANTITY
A	1/4"-20 X 1" TORX SCREW	32
<del>B</del>	1/4" SPLIT LOCK WASHER	<del>32</del>
C	1/4" FLAT WASHER	32
	44" CROSS BAR - BLACK 1 X 2	7
	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
	FRONT MOUNTING BRACKETS ( 1 DRIVER SIDE & 1 PASSENGER SIDE )	2
D	PLUSNUTS	10
E	3/4" LONG SPACER	10
F	STEEL HEX CAP SCREW 1/4" -20 X 1-3/4"	10
G	STEEL FENDER WASHER ..1/4" x 1" O.D.	10
C	1/4" FLAT WASHER	4
H	1/4" NYLON LOCK NUT	4
I	1/4" CARRIAGE BOLT	4
J	HEX COUPLER	1
K	STEEL HEX CAP SCREW GR5 1/4" -20 X 2" ZINC (FOR HEX COUPLER)	1

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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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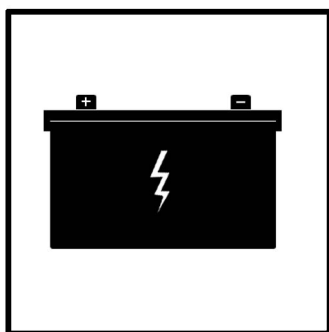


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## STOCK ROOF RAIL REMOVAL INSTRUCTIONS

**\*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



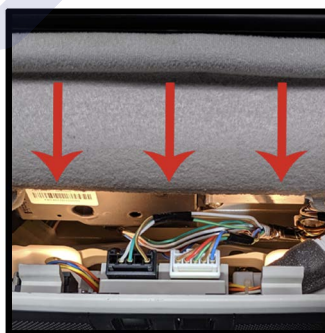
To remove the visor hangers use a flat head screw driver on both sides to release the internal plastic tabs



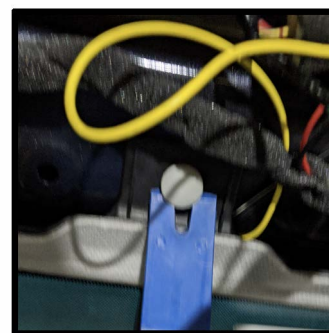
Remove the visors on each side by taking out the philips head screws ...



Disconnect the A - Pillar trim by first pulling out from the top



Remove two screws holding the over head dome light panel and grab along the edges and carefully pull down to remove



One last tab must be released to fully drop the front of the headliner

## PRINSU ROOF RACK INSTALLATION GUIDE



To remove the assist handles from the front & rear remove the covers w/ a flathead



Next remove the phillips head screws



Then remove the plastic cover piece shown above from the B- pillars



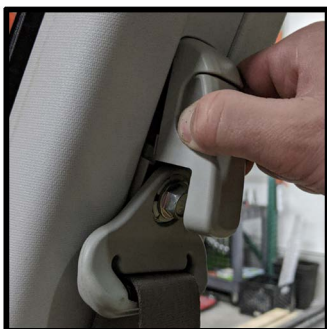
Remove the screw using a 10mm socket



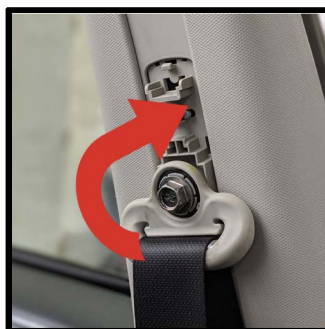
Pull back the rubber trim around the doors



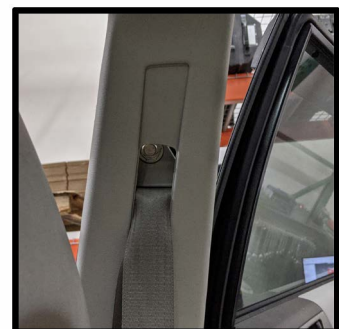
Now pull back out on the top and sides of the upper B-Pillar trim to remove



Remove plastic cover from the seat belts



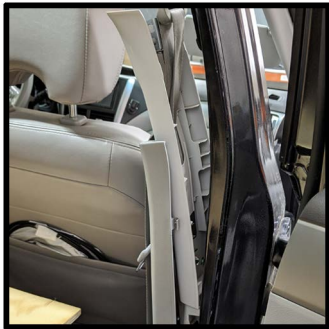
Rotate the seat belt 90° ...



and slip behind the B - pillar trim

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Upper and lower B-pillar trim pulled back



Next pull away the trim around the sunroof



Sunroof trim and assist handles removed



Pop cover off of over head light



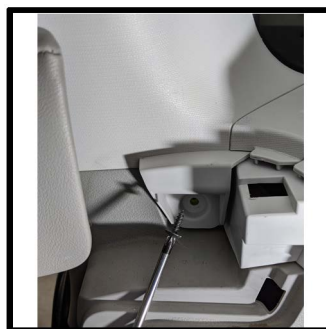
Remove using a phillips head screw driver



Repeat for the light in the rear cargo area



...



Remove the trim between the C and D pillars



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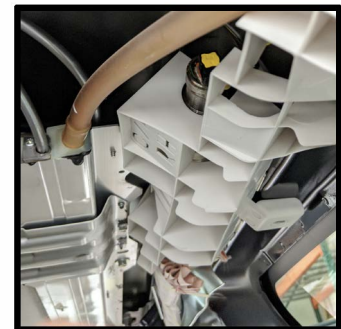
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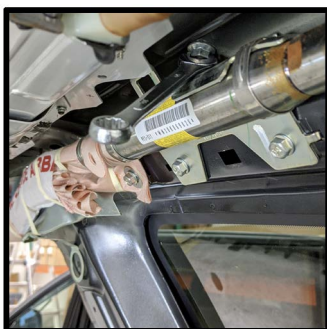
In the far rear there are three plastic push tabs holding the head liner up



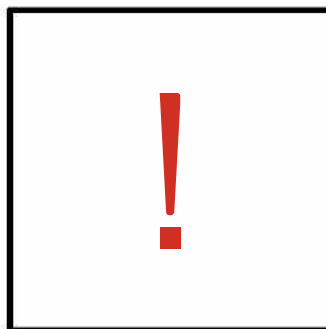
Once the headliner is dropped the stock roof rail can be removed. There are five nuts per side to remove



In the rear the plastic shown above needs removed to access the nuts



Plastic removed exposing nut



Be sure to replace the plastic before moving on ... your headliner can now be reinstalled



It may be necessary to clean up the holes with a 3/8" drill bit to allow the plusnuts to fit

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Before installing the plusnuts apply a small amount of silicon around the holes



Plusnuts in roof



Compress the plusnut by using a 1/2" wrench to hold the coupler and tighten with a 7/16" wrench



Apply more silicone over the plusnuts before placing the spacers down to ensure a water tight seal



Attach the front mounting brackets to the 1st crossbar



Your roof rack is now fully installed and finished



Double check all fasteners for tightness before your 1st drive

...



... then periodically thereafter to ensure your roof rack remains fully secure and functionally



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# PRINSU ROOF RACK INSTALLATION GUIDE

## WARRANTY

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FEATURE	MEASUREMENT/QUANTITY
OVERALL LENGTH	77.65"
SIDE RAIL HEIGHT*	3"
HEIGHT ADDED **	2.3125"
CLEARANCE BETWEEN ROOF AND RACK	1.1875"
SUNROOF FUNCTIONAL	YES
WEIGHT	~ 43 LBS
44" CROSS BARS - BLACK - (1X2)	7
44" CROSS BAR - CLEAR - (1X2)	1

\*AS MEASURED AT THE CENTER OF THE SIDE RAIL

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

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