



## Subaru Outback Platform Roof Rack w/ Air Dam

P/N 10962

### Kit Contents:

<u>Item</u>	<u>Qty</u>	<u>Item</u>	<u>Qty</u>
Platform Rack	1	M6 x 22mm SS Button Head Screw	16
Air Dam	1	M6 Nyloc Nut	16
Rear Mounting Brackets (Driver & Passenger)	1 pair	3/8" x 1" Hex Bolt	16
Front Mounting Brackets (Driver & Passenger)	1 pair	3/8" Flat Washers SAE (Small)	32
1/4" SS Flat Washer for M6	32	3/8" Nyloc Nut	16

### Important Installation Notes:

#### **Installation of this platform rack system requires removal and reinstallation of the headliner.**

- Please read all instructions thoroughly prior to beginning the installation process. These instructions will briefly outline the removal of the headliner, however, your application may be slightly different based upon the model and included features of the vehicle.
- ***Keep in mind that headliners are very fragile and can be damaged easily! Make sure not to bend or flex the headliner excessively and keep your hands clean at all times.***
- Consult a Subaru service manual if you require more information than is included with this instruction, or contact a professional if you are not comfortable with removing the headliner.
- In our experience, removal of the headliner is not technically difficult but it can be time consuming (particularly when doing it for the first time).
- We strongly suggest a full headliner removal for rack installation, shortcuts often result in damage to the headliner.
- The steps shown are for one side only, repeat the steps for both sides of the vehicle where applicable.

### Headliner Removal:

- The majority of fasteners involved in removing the headliner are simple plastic panel snap retainers. A panel fastener removal tool (similar to what is shown below) will make this job much easier and also reduce the likelihood of damaging the snap retainers.

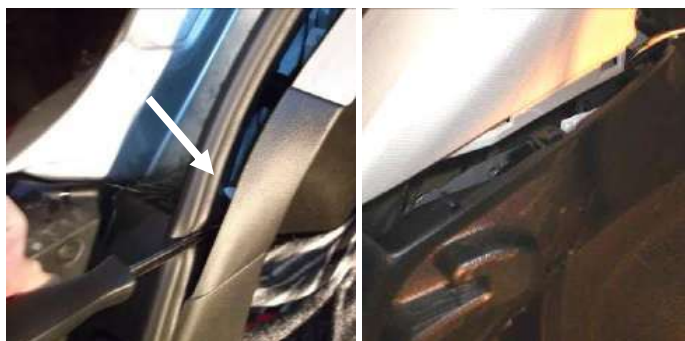


- The best way to remove the headliner is to take your time to remove EVERYTHING including the pillar trim panels, overhead dome lights, grab handles, sun visors, etc.
- This procedure starts at the D-pillar in the rear cargo area and moves toward the front of the vehicle.
- "A-pillar" is in front of the Front door, "B-pillar" is between the front door and the rear passenger door, "C-pillar" is directly behind the rear passenger door, and "D-pillar" is at the back of the vehicle by the cargo lift gate.
- Disconnect the negative battery cable from the battery before beginning this installation.

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### Headliner Removal (cont.):

1. Remove Phillips Screw behind the flip-out hook in rear cargo area.
2. Using a trim removal tool or a small flat-head screwdriver, pry open the door in the cargo cover mount recess. Remove the Phillips head screw behind the cover



3. Locate the plastic clips and pry the lower panel away at the rear lift gate below the D-pillar.
4. Separate the upper and lower D-pillar trim panels by prying apart at the interface of the panels.

5. Pull the lower trim panel out enough to slide the upper D-pillar trim down-and-back to remove it.
6. Make sure not to tear or damage the headliner with the tab at the top of the panel. This is why you must slide the panel down-and-back to remove.
7. There are 3 snap clips across the back attaching the headliner to the roof. Leave these attached at this time to hold the headliner in place for now.



8. Next, move forward to the C-pillars, lay the back seats flat for easier access if you have not already.
9. Begin by prying the cap off of the seatbelt mount with a small flat-head screwdriver or panel tool.
10. Remove the bolt with a 14mm socket or wrench.

11. Pull the rubber door seal away to gain access to the back side of the trim panels.
12. From behind, pry the upper and lower C-pillar panel snap retainers loose with a panel tool.
13. Pry at the interface of the two panels to separate the upper and lower panels.
14. Make sure to release the top snap retainer, then drop the top C-pillar panel DOWN behind the lower panel to remove.



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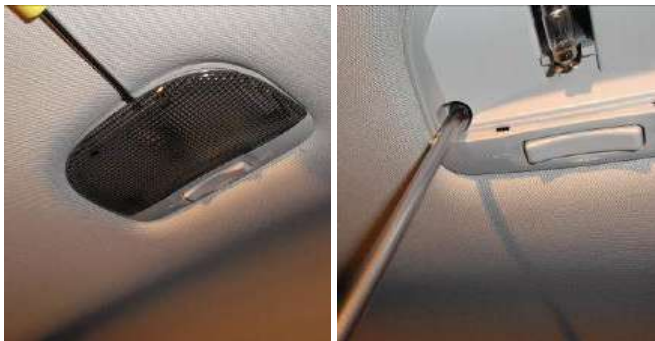


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15. While you are still in the back seat of the vehicle, remove the grab handles above the rear doors. Swing the handle open to expose caps
16. Pry/twist at the sides of each cap with a flat screwdriver or equivalent to release. The cap will pull out toward you.

17. Release both caps then firmly pull handle assembly straight out (away from headliner). There are no fasteners to remove.



18. Next remove the center dome light. Start by gently prying the cover off from the back to reveal the mounting screws.
19. Remove the two visible screws near the rocker switch with a Phillips screw driver.

20. With the screws removed, gently pry the light housing free from the headliner.
21. Unplug the light housing by releasing the tab on the wire harness plug.
22. Set the light housing aside in a safe place.



23. Before removing the B-pillar trim, move the seat belt adjuster to a middle position.
24. Remove the rubber door seal near the B-pillar.
25. Start at the top and release the single snap retainer.
26. Move to the bottom panel and remove 2 snap retainers from the rear and 2 from the front of the lower panel for a total of 5 snap retainers.



- 27. Separate the top and bottom halves of the B-pillar trim by “flaring out” the bottom trim with your fingers. You can also use your trim tool to help gently pry the panels apart.
- 28. Let the top trim slide down behind the bottom trim and out of the way. You do not need to remove the seatbelt.



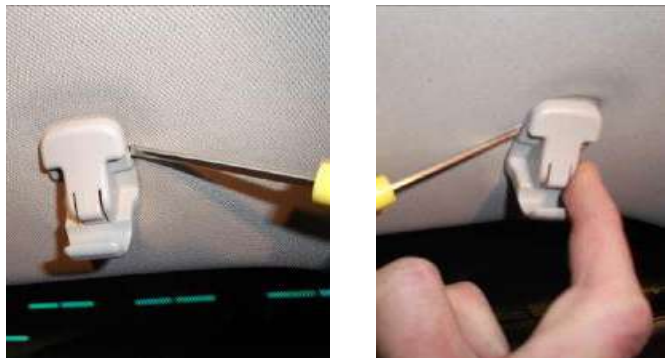
- 29. Now move to the front seats and remove the front grab handles. The removal process is identical to the rear grab handles (steps 14 – 16), but the front handles do not have an integrated luggage hook. Make note of this difference so that you know to put the handles with the luggage hook in the rear and the handles without the luggage hook in the front upon re-installation.

- 30. With the grab handles removed, move on to the sun visors. First, pry the cover off at the swing post with a flat tool to reveal 2 screws.
- 31. Remove the 2 screws with a phillips screwdriver.



- 32. Carefully pull the sun visor out with the attached wire to reveal the plug.
- 33. Disconnect the plug and set the visor aside in a safe location.

- 34. Remove the sun visor clip toward the center of the vehicle by inserting a flathead screwdriver into each side of the clip to release the tabs.
- 35. Once the first side is released, hold it with your finger while releasing the second side, otherwise the first clip will snap back into place.





- 36. Remove the front overhead light. (Please note these instructions do not cover removal of the EyeSight option available on some vehicles.)
- 37. Open the sunglasses compartment to reveal 2 phillips head screws.
- 38. Remove screws with a phillips screwdriver

- 39. Pull / Pry at rear of overhead light housing to release two clips.
- 40. Unplug the light and set it aside with your other parts.



- 41. Using a trim tool and/or your fingers, pry the top of the A-pillar trim away from the headliner to release the clips. If using a pry tool, be very careful not to damage the airbag behind the plastic trim! (You do not need to completely remove the front A-pillar trim, releasing the top clips will provide enough clearance for the headliner to be removed.)
- 42. Pull all rubber door seal trim away from the headliner if you have not done so already.




- 43. The front of the headliner should now be loosely resting on top of the A-pillar trim. If the headliner is still attached, you may find that it is attached to some adhesive along the top of the windshield or at the center in front of the overhead light location. If so, carefully and gently work the headliner loose from the adhesive from the front of the headliner, and also from above through the overhead light opening or from the open sides.



- 44. The headliner is nearly ready for removal. Move to the rear of the vehicle, and release the three snap clips across the rear of the headliner that have been holding it up.
- 45. Carefully insert the trim removal tool between the headliner and roof to release the snap clips. There will be one clip at the center, and another even spaced to each side of center.






<p>46. With the snap clips removed the headliner should drop down, but still be attached by many electrical wires and the rear center seatbelt.</p> <p>47. Unplug the wiring harness from the rear dome light. You may choose to leave the light housing in the headliner, or remove it if you prefer.</p> <p>48. Pry the clips to release the plastic bezel from the back side of the rear center seat belt housing.</p>	
	<p>49. Manipulate the seat belt housing so what you can work it from the bottom up through the opening in the headliner. Your headliner should now be loose with the exception of the attached wires.</p> <p>50. We suggest that you take pictures of the wire harness placement before detaching the wires.</p> <p>51. Release the headliner by unhooking the wire harness and un-taping as necessary.</p>
<p>52. Once all of the wires are disconnected from the headliner carefully remove it through the rear cargo opening. This will be easier and less likely to damage the headliner with the help of another person or two. Place it in a clean and safe spot.</p> <p>53. Place the wire harness on the dash of the vehicle or tape it to the metal roof to keep it out of the way for installation of the rack mounts.</p>	

**Factory Roof Rack Removal:**

- The nuts retaining the factory roof rails require a 10mm wrench and/or socket. A “ratcheting” type 10mm wrench will be very useful for this job.
- It is not necessary to completely remove the side curtain airbags but you may if you prefer. This method covers partial removal of some of the airbag brackets to gain better access to some of the hardware. Remember that you will be re-installing new hardware in the same locations that you remove the factory hardware.
- Use caution when working around airbags! Make sure that you do not damage the airbag and also that you do not twist or change position of the airbag. We find that it is easier to make sure the positioning of the airbag does not change by only partially removing some of the brackets. **When re-installing the airbag bracket hardware verify that you have not left any fasteners out and that all fasteners are tightened sufficiently!**

<p>1. Begin in the front seats and remove the two nuts securing the roof rack studs that come through the roof at the pinch seam above the airbag. (You can leave the airbag attached, but if you would like more room to work you can remove or loosen the airbag bracket.)</p>	
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2. Move to the back seat and remove nuts #3, #4, and #5 as indicated. You should be able to leave the airbag in place while removing these nuts.

3. Removing the hardware holding the airbag bracket in place will be helpful (if not necessary) to access nuts #6 and #7 above the C-pillar. Remove the hardware and leave the airbag and bracket attached. Let the airbag and brackets hang to provide access for the nuts. Do not pull on the airbags while hanging...let them hang gently.



4. The airbag bracket directly above the C-pillar is attached with 3 bolts and one plastic "Christmas tree" type plug.
5. Remove the 3 bolts with a 10mm wrench or socket.

6. Remove the "Christmas tree" plug with a panel removal tool.
7. Remove the two bolts holding the airbag bracket in front of the D-pillar with a 10mm wrench or socket.
8. With the brackets detached you will now have room to remove nuts #6 and #7 (location indicated in step 3 above).



9. Remove nut #8 with a 10mm socket. This nut is located in a recess that you must access through a hole in the sheet metal at the rear cargo door. You may need to use a deep socket to fully engage the nut.
10. After removing the last nut (#8) the factory roof rail is ready to remove. Simply move to the top of the vehicle and pull the rail directly up.

11. Before installing your Warrior Products platform rack you may want to take this opportunity to buff/polish/wax the roof, particularly the locations that may have wear from the factory rails.
12. Thoroughly clean the channels at the pinch seam where the rack attachment holes are. Take care not to leak water or cleaning agents through the holes into the interior of the vehicle.



**Platform Rack Installation:**

- Make sure that you have cleaned the channels where the Platform mounts will sit.
- Use sealant when installing the mounts to prevent water leaks. We suggest clear RTV Silicone Adhesive Sealant.
- Install one mount at a time so that you can control the Silicone application time.
- Installation will require holding a Button Head screw on the roof, and turning a nut inside the car. It is strongly recommended that you find a second person to help if at all possible.
- A ball end hex wrench (or Allen wrench) will make this stage of the installation easier. It is typically fastest to hold the Button Head screw in place from above, while tightening the nut from inside the vehicle.

1. Locate the correct mounts for each location on the roof. The smaller mounts will be at the front of the roof, and all tabs will point toward the centerline of the car.
2. Place a front mount in position on the roof with the long angled nose forward and prepare to apply silicone.

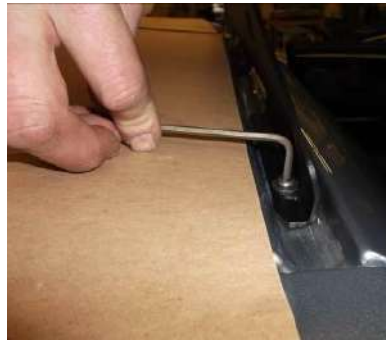


3. Look at the size of the feet on the mount and apply the RTV silicone accordingly.
4. Follow the directions on the RTV for cure times, but typically clear RTV calls for immediate assembly.
5. When applying the silicone, place a complete circle around every hole in the channel, and a straight bead along the length of any foot on the mount.

6. Align the mount with the holes in the roof channel.
7. Insert a M6 Button Head screw with washer through each hole in the feet of the mount. Pass the screw through the corresponding hole in the roof channel.
8. From the inside of the car place a washer and an M6 Nyloc nut on each screw.
9. Start all nuts and screws before tightening the mount.







10. With all the screws and nuts started for one mount, proceed with tightening the hardware.
11. Start at the middle nuts and work your way out evenly to the ends.
12. It is easiest to have someone hold the Allen wrench from above and turn the nut from inside the vehicle. This is also where a ratcheting wrench may be helpful.
13. Tighten all hardware until it is snug.

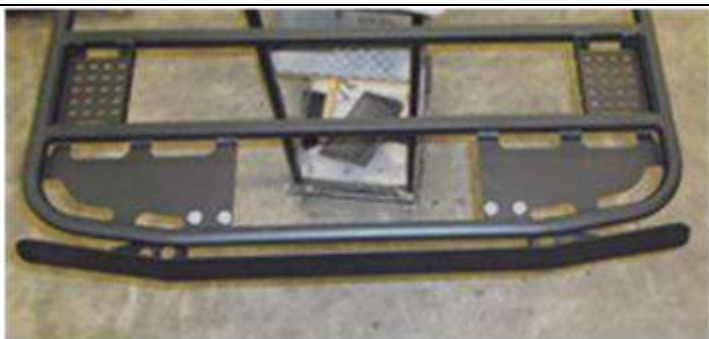
14. Repeat the process for the rear mounts. Position the rear mounts with the "WP" logo at the back of the vehicle.



To access the rear-most nut use the following method:

15. Start with a short 10mm socket and place the nut inside it with the Nyloc portion down.
16. Next, apply a small amount of silicone on the edge of the socket to hold the washer in place.
17. Use an extension and carefully insert the socket with extension into the recess and start the nut.
18. Tighten the hardware for the rear mounts from the center out, like the front mounts.

20. After all four mounts are in place and tightened down, install the Air Dam on the platform before placing the platform on the vehicle.
21. Make sure the platform is right side up. The corner plates should be on the BOTTOM.
22. Your Air Dam may be a different size than pictured, but install is identical. Position the Air Dam mounting tabs BELOW the corner plates.
23. Insert 3/8" hex bolts and washers from the top.

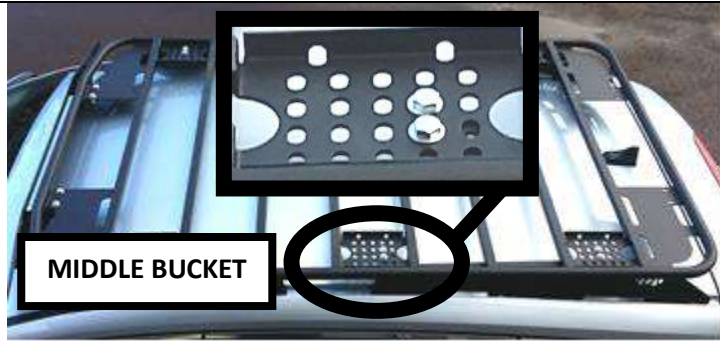
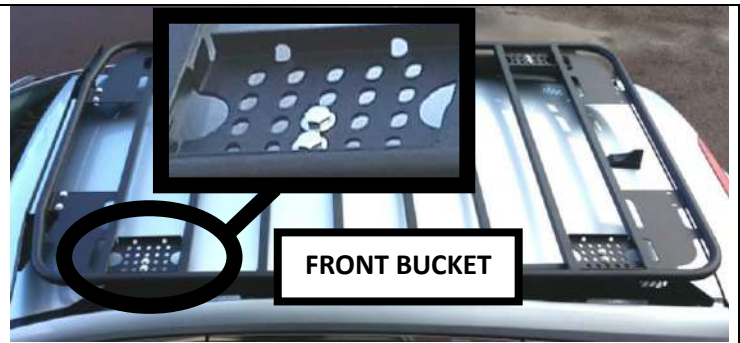


24. Loosely start all 4 bolts with a washer and a Nyloc nut on the bottom before fully tightening the hardware.
25. Position the Air Dam so that the gap between the front tube and the Air Dam face is even. The gap will allow you to pass tie-down straps, ropes, and hooks through.
26. Fully tighten the hardware when you are satisfied with the Air Dam position.

27. Gently place the platform on top of the mounts. Locate the platform by aligning the holes in the mounts with the appropriate slots in the platform bucket. Refer to the images and notes while inserting the bolts. Loosely insert all twelve 3/8" bolts and washers before tightening any hardware.

- **FRONT BUCKET BOLT LOCATION**

- Side-to-Side / Two outside slots
- Front-to-Rear / Center row of slots



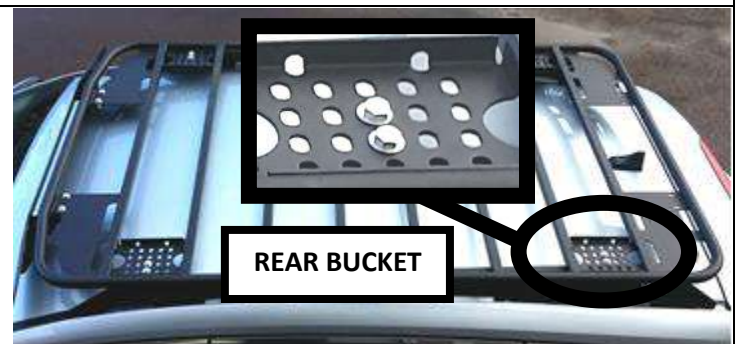
- **MIDDLE BUCKET BOLT LOCATION**

- Side-to-Side / Middle two slots
- Front-to-Rear / One row back from center

- **REAR BUCKET BOLT LOCATION**

- Side-to-Side / Middle two slots
- Front-to-Rear / Center row of slots

28. After all twelve bolts have been inserted and you are happy with the rack placement; finish the installation by placing a washer and Nyloc nut on each 3/8" bolt from below. Tighten until snug.



29. Before re-installing the headliner, re-attach all airbag components. Double check that all airbag hardware is secured.

30. Re-install the headliner and all related components in the opposite order of removal.

31. Installation is now complete. Enjoy your new Warrior Products Platform rack!

