

ASSEMBLY INSTRUCTIONS

for

The ASTORIA SAUNA

Read these instructions to guide your assembly.



Requirements:

2 People (recommended)
Rubber Mallet
Carpenter's Level
Tape Measure
Cordless Drill

Carpenter's Hammer
Jigsaw
Phillips & Robertson Drill Bits
2" (51mm) Hole Saw

Step Ladder
Utility Knife
Adjustable Wrench
7/16" (11mm) Socket
Staple Gun

It is highly recommended to view the assembly video prior to starting assembly!

**Scan the QR code to follow along
with the assembly on video.**



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Congratulations on the purchase of your Rate Outdoors Astoria Sauna.

Please read this entire manual before proceeding with the assembly.

Some details between this installation manual and the video may not be exactly same as Leisurecraft is continually trying to improve the quality of our products and ease of assembly. Please refer to this installation manual for the latest version.

Always ensure that you have the correct screw length so that there will be enough thread to hold, and especially, so that the screw does not go all the way through the material and come out the other side.

Every attempt has been made to make the installation information as clear as possible.

All electrical connections must be performed by a qualified licensed electrician!

For further information on your heater and installation instructions, please refer to the provided heater manual.

THANK YOU FOR CHOOSING RATE OUTDOORS!

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Astoria Sauna Assembly Instructions

Sauna Base Preparation

Make sure the base for your sauna is level with a slight slope to the back for drainage. A solid base for your sauna is recommended and can be made from any of the following.



Concrete Pad



Wood Deck



Crushed Stone



Patio Stone/Paver Blocks

It is recommended to build a base larger than required to provide a sitting area for cooling off during your sauna session.

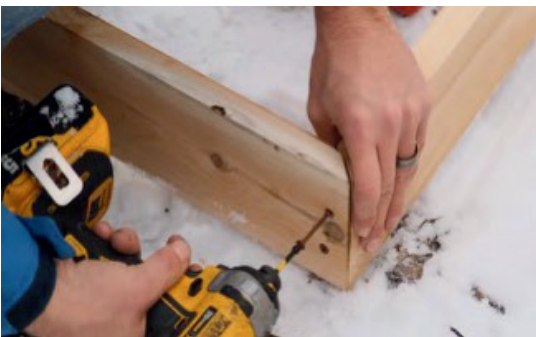
Astoria Sauna Assembly Instructions

Sauna Assembly



Start the assembly of your Mini Pod Sauna by laying out the front and back base plates and the side base supports.

Ensure the grooves are facing upwards.



Secure the 4 mitered corners together using 3 – 2 ½" (64mm) screws per corner, ensuring that the pieces are flush to each other.



Place the inner floor joists inside the frame.



Align the floor joists with the X's on the floor frame so that the sides of the joists are flush with the lines beside the X's. Floor joists should be flush at the top with the inside of the floor frame.

Fasten with 3 – 2 ½" (64mm) screws on each end.

Astoria Sauna Assembly Instructions

Sauna Assembly



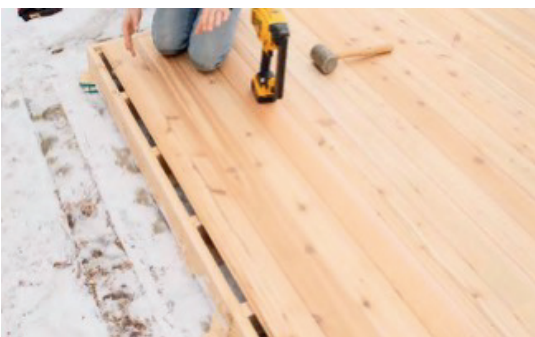
Begin placing the floorboards flush to the front and fasten with 1 ¼" (32mm) staples or finishing nails.

For a cleaner look, only secure into the outer 2 supports on either side as these will be hidden under the benches.



Continue adding the floorboards up to the edge of the previous one and tap the tongue into the groove.

Once it is even with the first stave, secure it into the 2 outer supports on either side as in the previous step.



Secure the last floorboard into all the supports.



Measure the remaining gap and cut the last floor piece to fit.

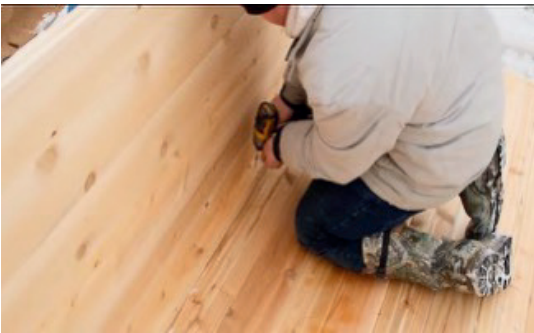
Secure it to all the supports.

Astoria Sauna Assembly Instructions

Sauna Assembly



Position the bottom rear wall panel flush to the back of the base and centered on either side.



Secure it to the base with 7 – 3" (76mm) screws.



Place the bottom front wall at the front of the sauna and align the notches of a wall stave to the front and back panel to ensure you have the correct spacing.



Ensure the front panel is centered and then secure the side with the wall stave using 2 – 3" (76mm) screws.

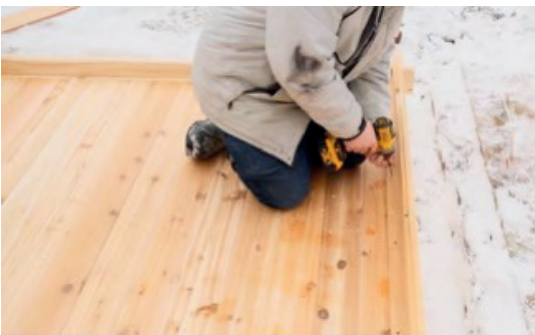
Astoria Sauna Assembly Instructions

Sauna Assembly



Temporarily secure the wall stave to the walls with a 2 ½" (64mm) screw at each end.

Place another wall stave on opposite side and secure with a 2 ½" (64mm) screw at each end.



Continue securing the front wall piece to the base with 5 – 3" (76mm) screws.



Place a side front wall section on top of the front bottom section.



Ensure the panel is flush to the edge of the bottom piece and secure with a 2 ½" (64mm) screw on each end.

Astoria Sauna Assembly Instructions

Sauna Assembly

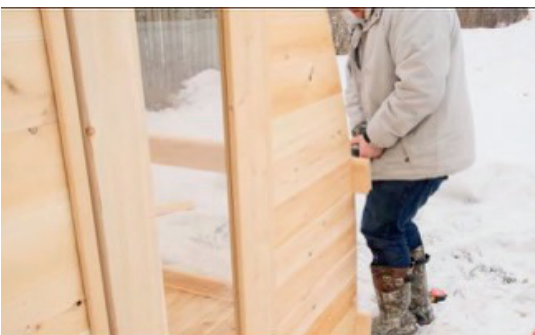


Insert the door and opposite side panel onto the bottom and secure the outside of the panel with a 2 ½" (64mm) screw on either side.

Logo on door to face inside the sauna.



Slide the door up a bit to make room to be able to secure the inside of side panel.



Temporarily secure another wall stave on both sides of the sauna with a 2 ½" (64mm) screw at each end.



Place the middle rear wall panel onto the rear bottom panel ensuring the ends are flush and secure with a 2 ½" (64mm) screw on each end.

Astoria Sauna Assembly Instructions

Sauna Assembly



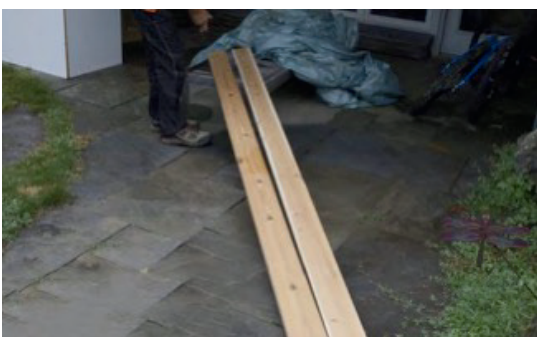
Temporarily secure another wall stave a little higher up on both sides of the sauna with a 2 ½" (64mm) screw at each end. This will keep the front and rear panels stable.



Place the front top piece above the door and secure with a 2 ½" (64mm) screw at each end.



Repeat for the rear top section.



Locate the top roof staves. These will have an angle cut on one side and rounded on the other.

Astoria Sauna Assembly Instructions

Sauna Assembly



Align the angled sides of the two pieces together ensuring they are flush and that the notches on the bottom line up. Secure with 2 ½" (64mm) screws in the predrilled holes.



Place the assemble top stave onto the top of the front and rear panels. Ensure it is centered to the mark on the top of the panels and secure with 2 – 2 ½" (64mm) screws at each end.



Starting at the top on one side, begin placing the wall staves. Ensure they are tight together and secure with 2 – 2 ½" (64mm) screws at each end.

You may need to tap them with a rubber mallet to get them tight together.



Continue installing the staves working towards the bottom. When you get to the temporary wall staves, remove them then secure them into the correct position.

Astoria Sauna Assembly Instructions

Sauna Assembly



The final wall stave will have a flat bottom instead of the curve.



Center 3 more screws to the bottom stave to secure it to the sauna base.



Repeat the process for the other side of the sauna.



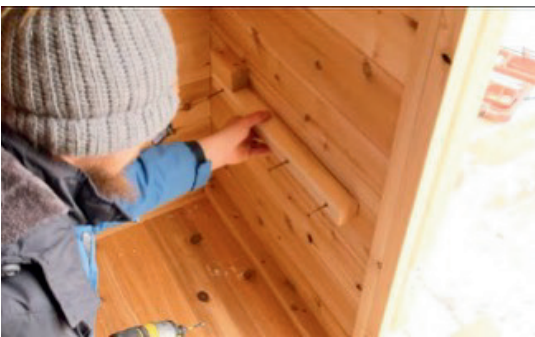
Bring the bench supports into the sauna.

Astoria Sauna Assembly Instructions

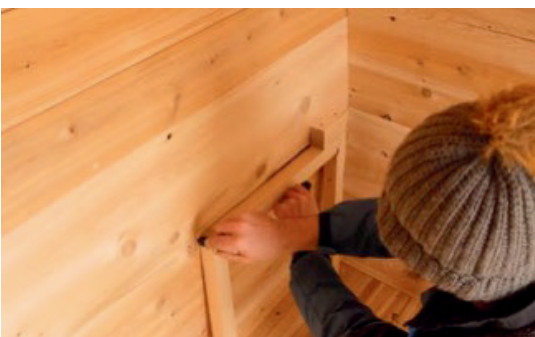
Bench Assembly



Place one of the support brackets 3" (76mm) from the back wall and mark the top and front edge with a marker or pen.



Remove the support bracket and then align the side wall support to the line, ensure it is level and secure with 4 – 2½" (64mm) screws in the predrilled holes.



Repeat the process for the rear of the sauna.



Secure the bench support brackets to the supports on the bottom of the bench seat with 2 – 2" (51mm) screws into each support.

Astoria Sauna Assembly Instructions

Bench Assembly

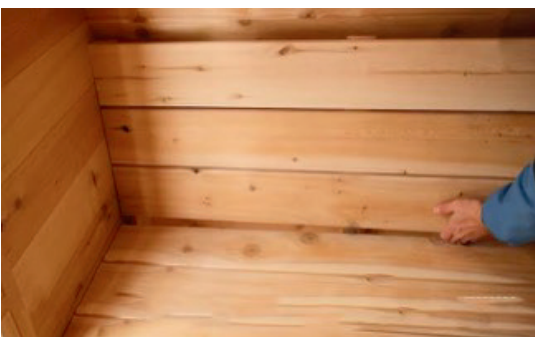


Leave a 1½" (38mm) gap from the high part of the bench support to the back of the bench seat so the back rest has room to slide in.

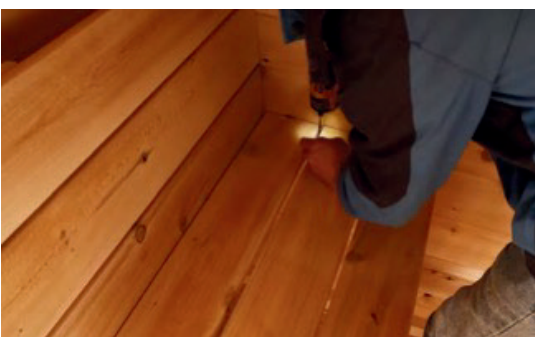
Repeat for the other bench support.



Bring the bench into the sauna.



Place the bench onto the wall supports and slide the back rest into the space at the back.



Secure the bench to the supports with 2 – 2" (51mm) screws into each support.

Ensure to screw in between the slats to make the screws less visible.

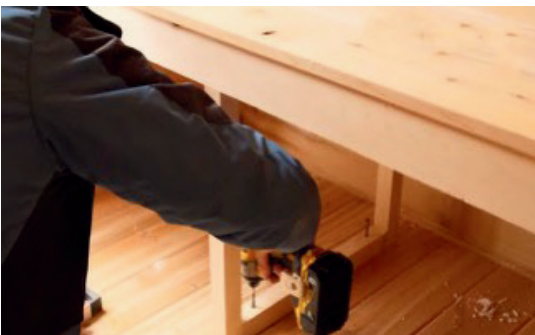
Astoria Sauna Assembly Instructions

Bench Assembly



Secure the backrest to the wall with 2 – 5" (127mm) screws.

Ensure to screw in between the slats to make the screws less visible.



Secure the bench supports to the floor with 2 – 2" (51mm) screws per support.

Repeat the above process to install the other bench.



Install the outer door handle (small) at the desired height using 2 – 2" (51mm) screws in the pre-drilled holes.



Install the inner door handle (large) horizontally at the desired height. Ensure the handle is level and secure using 2 – 5" (51mm) screws in the pre-drilled holes.

Astoria Sauna Assembly Instructions

Asphalt Shingle Assembly



To start the installation of the asphalt shingled roof, remove the backing from 1 of the ice & water strips.



Place the first piece starting at the bottom of the wall staves.



Fold the excess over the front of the staves and secure with staples. Repeat at the rear of the sauna.



Repeat the above step with a second strip of ice & water shield. Ensure it overlaps the glossy section on the previous sheet. Add a 3rd strip above the 2nd strip.

Astoria Sauna Assembly Instructions

Asphalt Shingle Assembly



Repeat the process for the other side of the sauna.



Use a utility knife to cut off the excess ice and water shield flush to the edge of the staves.



Secure the top middle trim piece centered at the top of the sauna. Fasten with 2 – 2 ½" (64mm) screws. The trim should overhang ¼" on the bottom.



Place the trim piece with the angled edge aligned to the centered trim and secure with 3 – 2 ½" (64mm) screws.

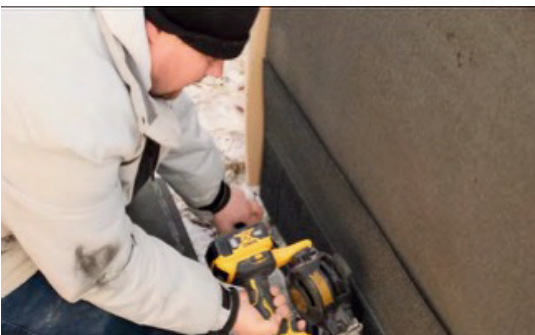
Astoria Sauna Assembly Instructions

Asphalt Shingle Assembly



Install the last trim piece with the straight edge in the same manner as the others.

Repeat the process for the other side of the sauna. Repeat for the rear of the sauna.

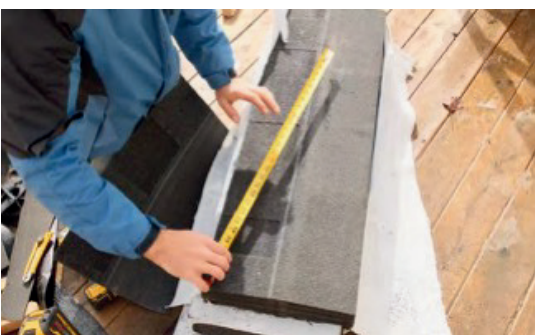


Starting at the bottom of the sauna, place a full shingle to the edge and secure with 4 – ¾" (19mm) roofing nails on the white line.



Place another full shingle next to the first shingle and fasten in the same method.

You may have to leave a small gap on either end if the shingles are not long enough.



To start the second row of shingles, first measure and cut a shingle in half.

Astoria Sauna Assembly Instructions

Asphalt Shingle Assembly



Place the half shingle on top of the previous full shingle. Align the bottom of the half shingle with the top of the indent on the full shingle. Secure with 3 ¾" (19mm) roofing nails on the white line.



Install a full shingle then the other half shingle to finish the 2nd row.



Repeat this pattern of alternating the rows of shingles until you reach the top of the sauna.

Repeat on other side of sauna.



After you reach the top of the sauna on both sides, cut 4 shingles lengthwise on the white line.

Astoria Sauna Assembly Instructions

Asphalt Shingle Assembly



Place these strips down the center of the top of the sauna and secure with roofing nails.



Cut some shingles into 4 equal pieces. These pieces will be used for the ridge cap.



Place these pieces down the center, from front to back overlapping and secure with roofing nails. When you reach the back of the sauna, cut off any excess shingle. You can cut a final piece on the white line to finish off the ridge cap.

Astoria Sauna Assembly Instructions

Electric Heater Installation (Optional)

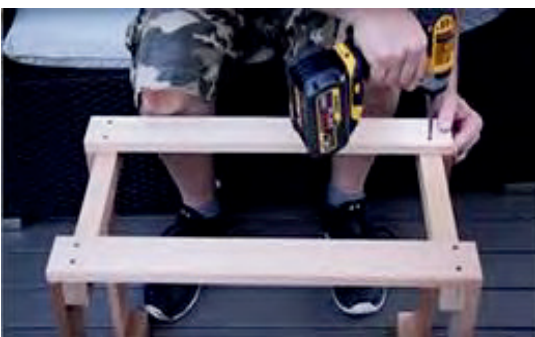


Hang the heater on the 2 screws and tighten to secure stove in position.



Locate the pieces for your heater guard.

Stand the 2 Assembled side pieces of the heater guard on edge with pre-drilled holes on the bottom.



Screw heater guard support to either side using 2 – 1½" (38mm) screws per side.

Repeat for the bottom heater guard support.



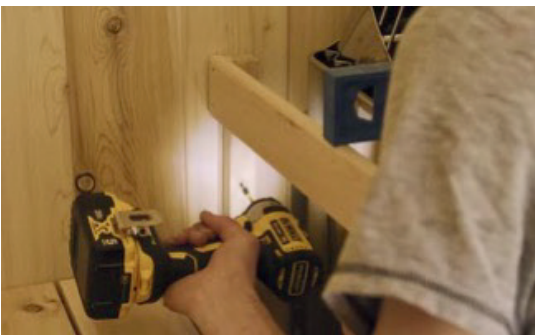
Place 2 – 2½" (64mm) screws into the pre-drilled holes on either side of heater guard to prepare for mounting.

Astoria Sauna Assembly Instructions

Electric Heater Installation (Optional)



Center the guard around the heater and secure to wall with the preplaced screws.



Ensure the guard is level and secure the other side.



Wash the layer of rock dust off of the sauna rocks before using them.

When your sauna is set up and working you should “break-in” the sauna before using it for the first time by turning on the heater to its highest setting and operate it for about 1 hour.

This is recommended to burn off any oils impurities from manufacturing, and it also “cures” the woodwork.

• **All wiring should be installed according to the heater manufacturers instructions and by a licensed electrician.**

• **Do NOT use a G.F.I breaker.**

Astoria Sauna Assembly Instructions

Wood Stove Installation (Chimney out the back wall) (Optional)



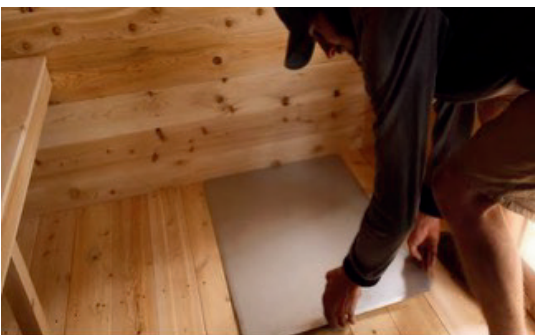
Remove all protective film from stainless steel parts and the plastic wrap from stove pipe pieces before installation.



Fasten the stove handle onto the stove door with the screws provided.



Remove the screw on the back of stove and remove the back flap.



Place the heat shield on the floor where the stove will be.

Astoria Sauna Assembly Instructions

Wood Stove Installation (Chimney out the back wall) (Optional)



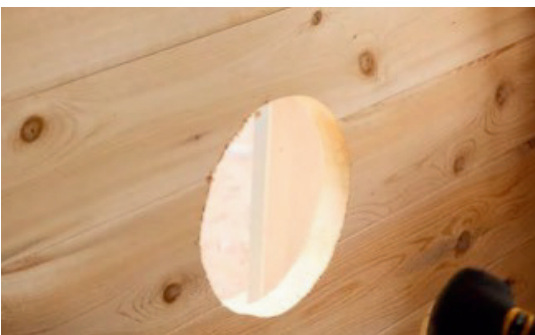
Place the stove onto the heat shield.



Place the short metal pipe into the back of the stove and mark it where it meets the wall.



From the mark, make an 8" (203mm) circle.



Cut out the circle with a jigsaw.

Astoria Sauna Assembly Instructions

Wood Stove Installation (Chimney out the back wall) (Optional)



Place the chimney through the hole, then through the heat shield (hole towards the bottom), then into the stove.



Secure the heat shield to the wall with 6 – 1" (25mm) screws.



Center the chimney support at the top of the back wall and secure with the provided screws.



Attach the next part of the chimney support using the provided nut and bolts. Tighten with a wrench or socket.

Astoria Sauna Assembly Instructions

Wood Stove Installation (Chimney out the back wall) (Optional)



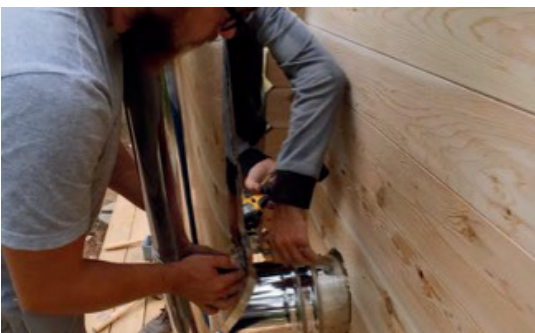
Attach the 2 chimney stacks together. Ensure the weld seams are aligned.



Attach the support strap around the 2 chimney pipes and tighten up.



Install the cap on the top of the assembled chimney.



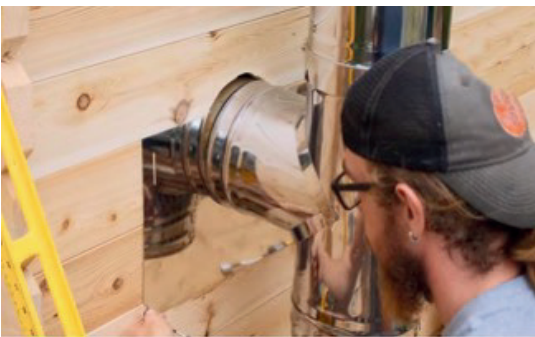
Attached assemble chimney pieces to the “T” chimney stack section and secure with a bracket. Then place the end through the hole into the back of the stove.

Astoria Sauna Assembly Instructions

Wood Stove Installation (Chimney out the back wall) (Optional)



Push the chimney in until it aligns with the top support bracket and secure it with a support band and the included bolt and washers.



Install the bottom half of the exterior chimney shield with the provided screws.

Ensure that it is level.



Overlap the top half of the exterior chimney shield and secure with 4 of the provided screws.

Astoria Sauna Assembly Instructions

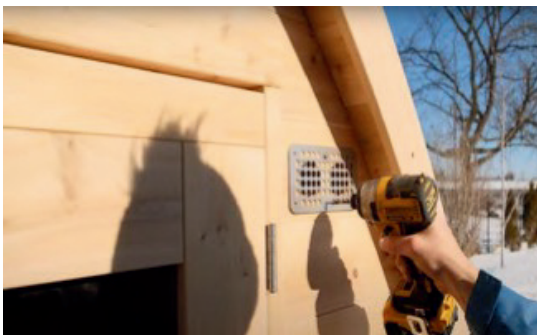
Vent Installation



Mark the vent hole position on the front wall.

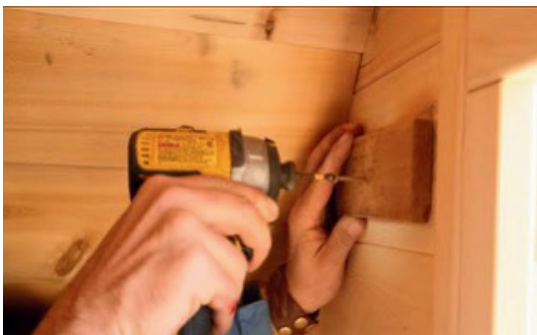
Drill out with a 2" (51mm) hole saw.

Only go halfway through to prevent splintering and drill the remainder from the other side of wall.



Using 1½" (38mm) screw, fasten the vent cover.

(Note that the vent guard only goes on the outside.)



Install the inner vent cover over the holes on the inside of the sauna with a 1½" (38mm) screw.



Repeat this process on the back wall. If an electric heater is installed the vent can go under the heater on the back wall. If a wood heater is installed, the vent can go on either side of the woodstove.

Note, there is no inner vent cover for the back wall.

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Astoria Sauna Assembly Instructions

Vent Installation



Lastly, place 5 – 2 ½" (64mm) screws into the door frame to secure to the front wall. On the side with the hinges, place the screw into the middle hole of the hinge.

MAINTAINING YOUR SAUNA AFTER INSTALLATION

INTERIOR

It is recommended to vacuum or sweep out the inside of your sauna frequently to remove dirt and debris. Under normal conditions, a slight wash of the floor and benches with warm soapy water several times a year will maintain its cleanliness. Leisurecraft offers a sauna room cleaner that can be used pure or diluted at a 4-1 ratio. Simply spray and wipe!

You can use a sheet of fine grit sandpaper or a low-pressure wash to remove more stubborn stains for a deeper cleaning of the interior of your sauna.

Never use ammonia or harsh cleaners as they can turn the wood gray.



EXTERIOR

Depending on the humidity and weather conditions in your area, the cedar will either shrink or expand based on the amount of moisture absorption. The desired effect is to have the cedar expand into the bands therefore making the sauna staves much tighter. Over time the lumber will weather naturally as a result of sun and rain, it will change into a weathered grey colour. The natural weathering will not harm the wood or impair the sauna's performance.

If you wish to retain the natural color of your Leisurecraft Sauna, Leisurecraft offers cedar sauna stain in 4 amazing colors, Espresso, Limestone Trail, Onyx Gem, and Pickled White in convenient 1 gallon pails.

WATER SEEPAGE

Some minor water seeping into the sauna is expected and normal for an outdoor sauna. If your sauna is properly installed, you should not have water dripping in, but you should expect some water seepage, especially on the top and sides of the sauna. This is due to the porous characteristics of the wood and to the ball-and-socket profile design of the staves. Water seepage will not harm the sauna. The moisture will evaporate once you turn on the heater and the sauna heats up. If the water marks are bothersome, they can be easily removed with a light sanding with 80 or 100 grit sandpaper.

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Warranty provided by:



5 Year Residential Limited Warranty Policy

All products designed and manufactured by Dundalk LeisureCraft Inc. ("LeisureCraft") are covered by a limited warranty against defects in materials and workmanship under normal residential use for a period of five (5) years, beginning on the date the product is received by the original end-user consumer.

This warranty does not apply to defects resulting from normal wear and tear, improper installation, insufficient or improper maintenance, natural weather conditions or failure to follow the manufacturer's installation, usage, or care instructions.

In the event of a valid warranty claim, LeisureCraft will provide replacement parts at no charge. However, please note that the replacement of parts will not extend the original warranty period.

This warranty is limited solely to the replacement of parts and does not cover any associated service, labor, or installation costs, all of which are expressly excluded.

For products offered by LeisureCraft that are not manufactured by LeisureCraft, please refer to the warranty policy and terms provided by the manufacturer.

LIMITED WARRANTY

Dundalk LeisureCraft Inc. ("LeisureCraft") is committed to providing high-quality sauna heaters and accessories to our customers. To offer peace of mind, we will match the manufacturer's warranty on all eligible products purchased from us. If the manufacturer offers a warranty on the product, we will honor that warranty, ensuring the same terms, coverage, and duration.

This warranty is limited to the replacement of parts only. It does not cover any service, labor, or installation costs, which are expressly excluded.

This warranty does not apply to defects caused by normal wear and tear, improper installation, inadequate or improper maintenance, or failure to adhere to the manufacturer's installation, use, or care instructions.

All electrical connections must be made by a licensed electrician. Failure to comply with this requirement will void the warranty.

For any warranty claims, please contact RATE OUTDOORS at support@rateoutdoors.com and see the link on our website for more information.

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