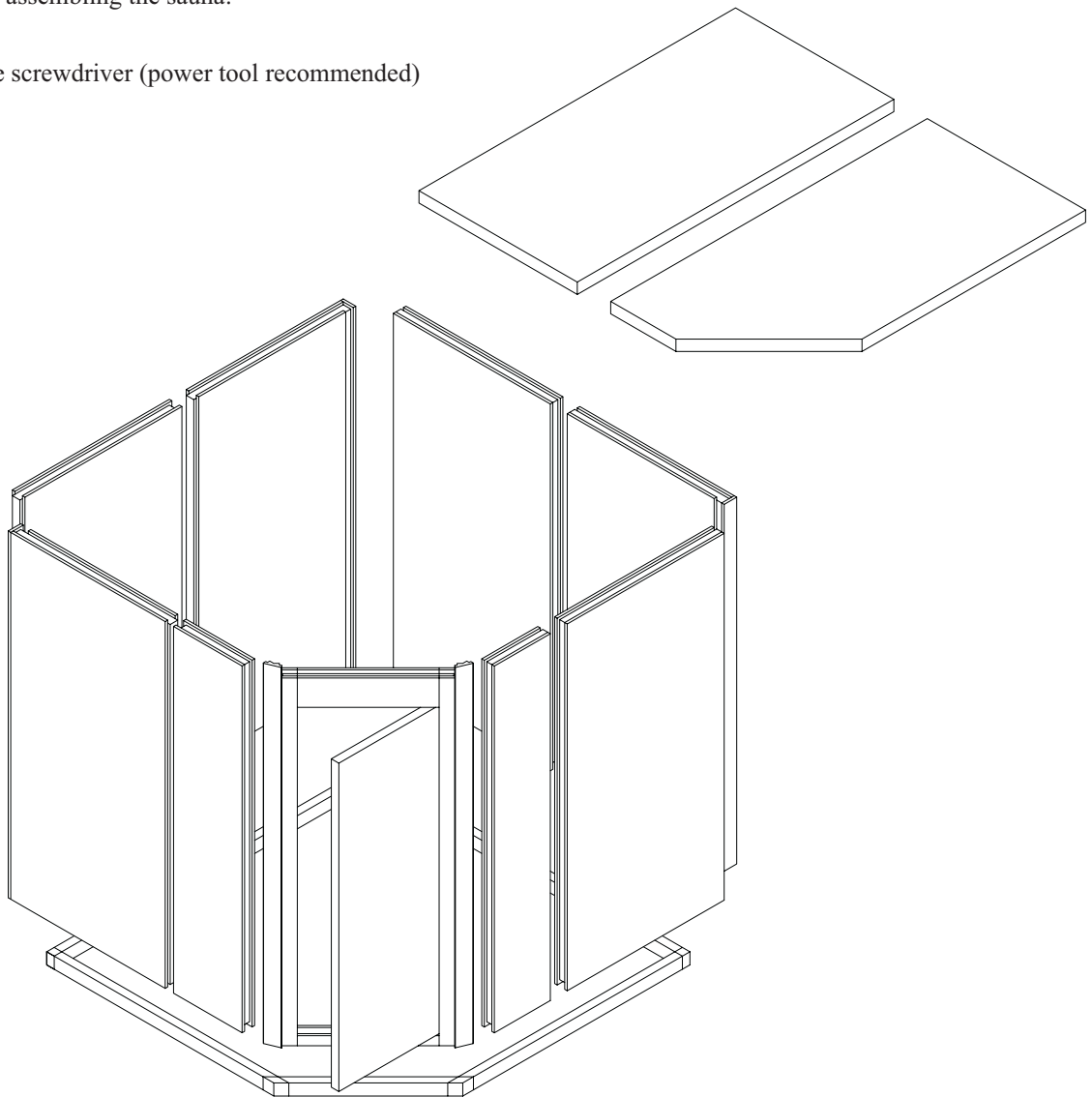


Northern Lights Sauna®

Assembly Instructions

Tools required for assembling the sauna:

- a spirit level
- a tape measure
- a No. 2 pozidrive screwdriver (power tool recommended)
- a hammer
- a saw
- a drill



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INSTRUCTIONS FOR ASSEMBLY AND USE

Congratulations on your purchase. You will soon be enjoying your genuine Finnish sauna. Before assembling the sauna, please read these instructions carefully. You will be able to enjoy your sauna for many years to come if you assemble it correctly and with care. The sauna is made from prefabricated parts and has been designed for easy assembly. Please note that you need an inch air gap around the assembled sauna to prevent moisture damage. Unpack the sauna parts and check from the packing list that no parts are missing. Some trim pieces are longer than necessary so they can be cut to the right length during assembly. The panels, trim and screws are shown on page 5. The space where the sauna is installed should be dry and the floor should be water proof. A floor drain is recommended for easy cleaning. If the floor is not level, you should place adjustable feet under the base rail to level the sauna. The feet also prevent moisture damage to the base rail.



1. BASE FRAME

The base frame is fitted with notch joints. Place the base frame on the floor so that the notches fits together at the corners. Drill small pilot holes in the corners. The frame piece with the carved slot should be placed so that it is under the heater when the sauna is ready. This slot functions as an air vent when the adjustable mounts are not used. Fasten three corners together with 1 3/4" (45 mm) screws. Cross-measure from the corners to check that the pieces are perpendicular. Correct the corners if necessary and screw the last screw in. Check again that the base frame is level using a spirit level.

2. WALLS AND CORNERS

The wall elements are installed on top of the base frame. They are marked with alphabet/number combination at the top end of the element. Start assembling the wall units from the rear corner. The exposed foil paper goes on the inside of the sauna. Each element has one loose board to cover the exposed foil. Using your finger, locate the four predrilled pilot holes underneath the edge of the foil paper. Bring the two elements together and place 45mm screws in the holes. Feel the top of the elements to make sure they are flush. Fasten the screws. Install the rest of the wall elements, including the door, according to the order in the layout drawing. The last wall element is the one in the front corner with the separate end piece. If you're installing the sauna in a tight space, you may want to mount the end piece to the element before assembly. Check that the wall elements are fastened properly to one another and that they are straight.



3. DOOR

Your sauna contains a high quality sauna door. Be careful when handling the door as the window may break if it is hit with a sharp object. Ask a friend to help you lift the door into place. Because the edges are in a 45 degree angle, positioning the door is challenging. The door is fastened in the same manner as the wall elements. The opening direction can be changed on the Nature, Luxus and Forest door models. To change the opening direction, you need to remove the hinges and swing the door around in its frame. If you have an Aurora all-glass door or a Polaris door, the opening direction cannot be changed. The door handles vary depending on your door. Follow the separate directions provided with the door handle for proper assembly. The door always opens out.





4. COVER BOARDS FOR THE WALL JOINTS

To cover the exposed foil, the loose boards that came with each wall element are nailed over the foil with 45 mm finishing nails.

5. CEILING ELEMENTS

Lift the ceiling elements in place in the order shown in the layout drawing. Make sure that the edges of the ceiling elements fit into the groove on the top of the wall elements. Check also that the tongue and groove joints between ceiling elements are fastened properly to one another. You may need to lift the elements a little at the joints to make them slide together.



6. ELECTRICAL WIRES FOR THE HEATER, CONTROL UNIT AND LIGHT

This step should be performed by a certified electrician. This applies to equipment that have not been pre-wired at the factory. Locate the hidden tubing inside one of the wall elements. You will see the tubing from the end of the wall element. These tubes are a conduit for the heater and control wiring. If you bought a sauna heater with a remote control unit, a wall board outside the sauna is cut to allow the installation of the control unit to the outside of the sauna room. Pull the wires through the tubing and connect to the heater and light (see next step). In large saunas, the light and shade are installed in the upper corner of the sauna room (Page 8). In small saunas, the light is placed underneath the top bench on the wall. Disassemble the light assembly, punch a hole in the ceramic lead through hole and connect the wiring to the terminals. Place a 40W light bulb in the assembly and mount it to the sauna wall. Place a switch for the light outside the sauna.

7. INSTALLATION OF THE HEATER

This step should be performed by a certified electrician. Your sauna is equipped with a high quality sauna heater. Do not attempt to install a steam generator or another type of heating device in the sauna. The sauna heater has recommended safety distances to the surrounding objects. Check the heater installation instructions for proper safety distances to the wall and benches. The heater should be mounted to the wall using the mounting rack and the screws supplied with the heater. On American heater models you need to locate the capillary tubing found inside the heaters control unit. The tubing controls the heater and should be mounted to its correct location inside the sauna. Determine the correct size of the electrical supply wiring and connect to the terminal block inside the heater control unit. Check that the heater is functioning properly before installing the stones. Wash the heater stones and place them in the heater so that they fill the compartment and are in direct contact with the resistors. Do not stack the rocks too tightly as this will cause overheating and poor operation.



8. VENTILATION

Your sauna is equipped with an adjustable vent. It is located on the inside ceiling (standard) or the back wall (optional). The wall vent has a sliding adjuster, and the ceiling vent includes a round adjustable valve. The ceiling vent can be easily connected to a 4" (100mm) ventilation duct (not included). If you place the sauna in a bathroom or a well ventilated room, you may vent the sauna to that area. The picture shows a separate fan (optional equipment) on the ceiling bringing fresh air from the surrounding into the sauna. The exhaust is through the slot in the bottom rail or under the sauna walls if the sauna has adjustable mounts. The surrounding space must be well ventilated. The correct ventilation arrangement largely depends on the type of ventilation equipment in your building. You must ultimately determine the correct air ventilation for your sauna.





9. INSIDE CEILING TRIM

Cut the inside trim, if necessary, to the right length. Drill holes into the trim for the mounting screws. Fasten the trim with 45 mm screws first to the ceiling from the bottom, then fasten the trim to the walls from the side. You may want to have a friend support the wall from the outside while securing the screws. Make sure the ceiling is properly aligned with the walls before fastening the screws. The trim secures the walls to the ceiling, further reinforcing the structure of the sauna. Now that the walls are secure, you may place the thermometer in a desirable location, preferably 50mm (2") from the ceiling, but not directly above the heater.



10. OUTSIDE TRIM

Fasten the filling battens with two 60 mm screws to the edges of the ceiling elements. A suitable distance between the battens is 2 ft. (500-600mm). Cut the trim to suitable length and fasten them to the battens using the finishing nails. Begin by mounting the wider horizontal trim along the ceiling edges of the sauna. Continue with the narrow vertical trim on both sides of the door. The horizontal trim are chamfered at the edges to provide a finished look. Use a sand paper to smooth the edges of the trim. You can optionally apply a water soluble wood finish on the sauna for easier cleaning and protection against wear and tear.



11. BENCHES

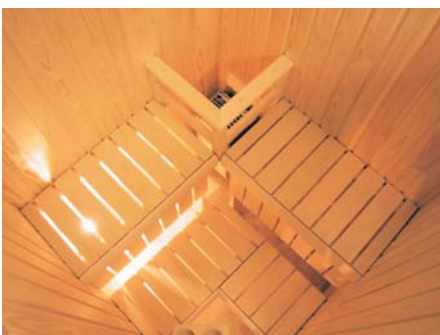
Using a tape measure check the correct height of the bench supports from the bottom of the wall element (page 7). Leave a 1/4" (5 mm) gap between the back wall the bench support strip. Mark the correct position for mounting. Check that the support strip is horizontal using a spirit level. Drill holes into the support and fasten the support strips to the wall using 3" (70 mm) screws. Fasten the small securing strips on top of the wall supports to hold the benches in place.

If your sauna is equipped with two or more upper or lower benched, the benches need to be bolted together. Using a large drill bit, drill holes in the bench frame to run the large bolts through the bench frame. The L-shaped benches are fixed together as in the drawing on page 7. Mount all the bench supports before attempting to place the benches in the sauna. First bring in the lower bench, and then lift the upper benches into place. You should fasten the benches to the walls to keep them in place.



12. BACKRESTS, BENCH SKIRTS AND DUCKBOARD

Back rests are mounted to the walls according to the drawing on page 7. In the smaller saunas you may optionally leave out the back rests to gain more seating space. The bench skirts or aprons between the upper and lower sauna benches mount to the underside of the top bench, behind the front edge. The bench skirt provides protection for children sitting on the lower bench. If your sauna is equipped with duckboards, lift them onto the walking area of the sauna floor.



13. HEATER GUARD

First check the protective distances required from the heater manual. Mount the guard rail pieces together. Take account the height of the controls on the heater prior to mounting the guard rail, so that the controls are not left behind the protective railing. Finally, fasten the heater guard to the wall with 45mm screws. Place plastic caps on the screw holes to hide them. When the heater is turned on, never place any body parts inside the guard rail. Take special precaution when throwing water on the hot stones that your or anyone else's bodyparts are not directly exposed to the rising steam. The smaller sauna models feature an integrated hand- and guard rail. Make sure no one is holding their hand on the railing when you throw water on the hot stones. Enjoy your sauna.