



# CABIN SAUNA

ASSEMBLY MANUAL

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## BEFORE YOU START



**IMPORTANT! READ THIS SECTION ENTIRELY BEFORE PROCEEDING WITH INSTALLATION.**

### LOCATION

Think carefully about where you want to locate the sauna. After you have completed the installation the sauna won't be able to be moved due to its size and weight. The sauna will need to be in a location that can have power access installed. Confirm the electrical supply with your electrician before building the sauna.

### OILING YOUR SAUNA TIMBER

Wood being a natural product, requires regular maintenance to protect it and keep it looking good. Any wood product that is exposed to the Australasian sun needs regular surface treatment with a U.V protectant timber oil.

The cedar is supplied unoiled. As part of the ownership of a natural wood product, you must also be prepared to re-oil the external surfaces of cedar up to every 6 months (frequency will be determined by location and exposure to sunlight).

Leaving the sauna unoiled will see discolouration of the wood and will cause it to dry out, increasing the chances of cracking or splitting.

Only the external facing wooden surfaces need to be oiled. Never oil internal surfaces.

We recommend a 'clear coat timber protectant oil' such as 'Cutek CD-50'. Available from hardware stores such as Mitre 10 or Bunnings.

Simply oil using a paintbrush and brush on an even coat. Follow the product application and preparation directions.

To oil all external surfaces you will need a fair amount of product. It is worth just getting up to 10 litres of product as you will need it again to repeat in 6 months' time.





## ELECTRICS - HEATER

The provided sauna heater must be installed by a registered electrician. No wiring, switches, RCD or electrical accessories are included.

### Setup

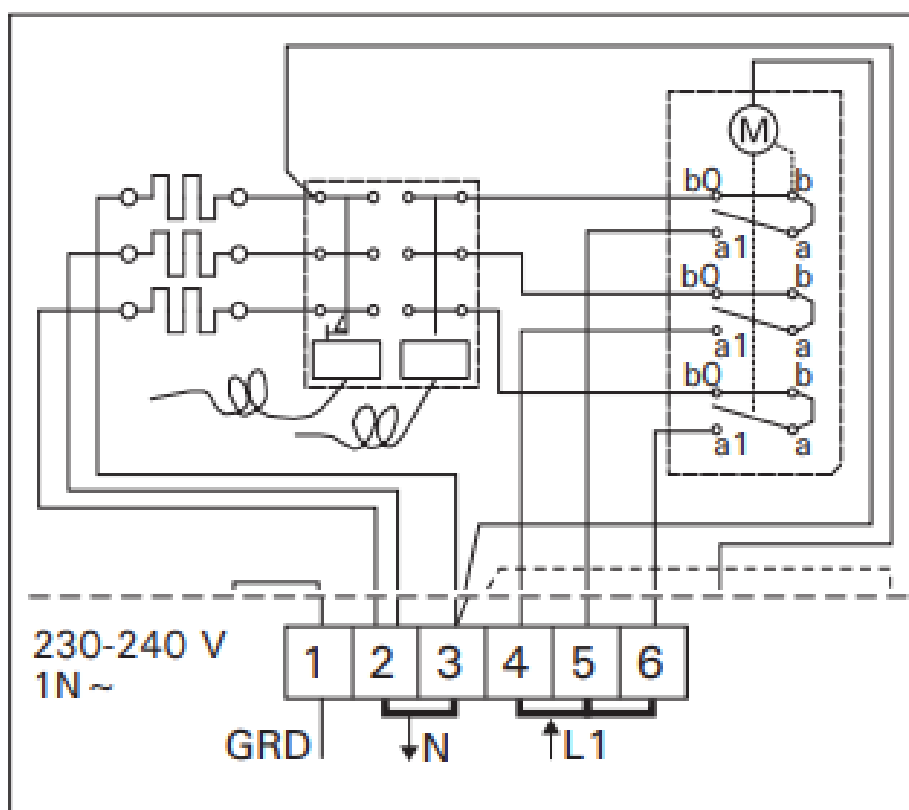
Install the heater as per the manufacturer instructions included, along with any electrical protective devices. The heater is to be mounted near ground level on the 'back wall' and surrounded by the provided wooden heater fence.

Cable for the heater can be fed through the back of the sauna through rear wall next to the vents. You will need to drill a hole to run the cable through.

## Heater Model - *Harvia Sauna Heater 6kW - Model BC60*

### Single Phase

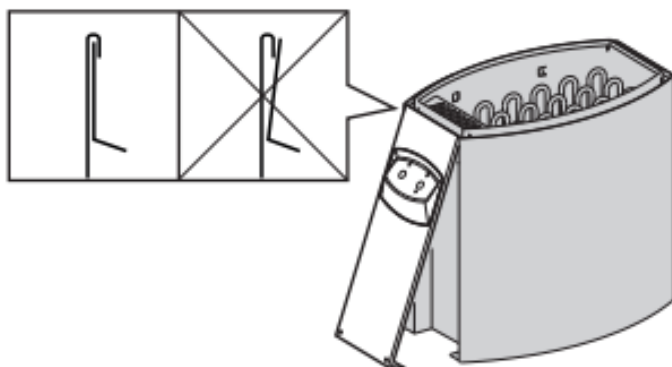
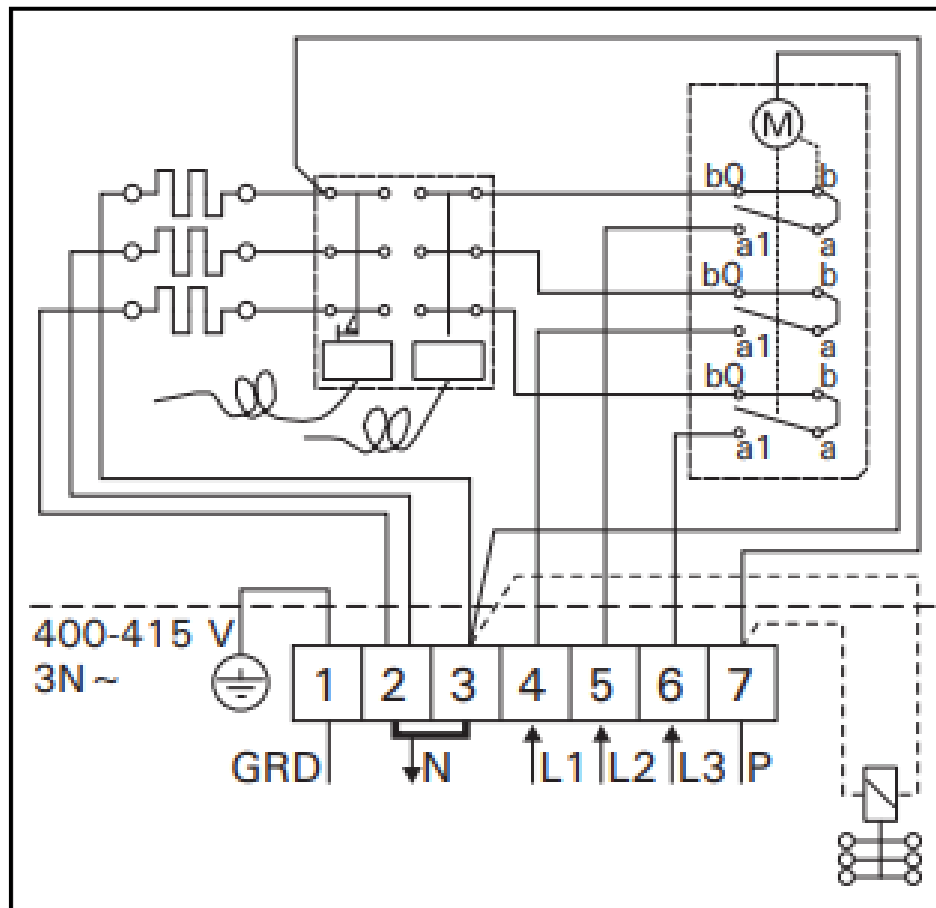
For single phase installations, lines 4, 5 and 6 should be looped together with phase into 5 per the diagram above.



## BEFORE YOU START

### Three Phase

For three phase installation, connect each phase to L4, L5 and L6.







**PLEASE READ ENTIRE MANUAL THROUGH BEFORE PROCEEDING WITH INSTALLATION.**

## SAFETY & OPERATION

**Read all health and safety instructions. If unsure about your health concerns, consult with your physician prior to use. If you feel light-headed or heat exhaustion during session, exit the sauna immediately.**

1. Read and follow all instructions carefully.
2. When installing and using the electrical equipment, basic safety precautions should always be followed.
3. To reduce the risk of injury, do not allow children to use the sauna unless they are closely supervised at all times.
4. Do not use the sauna immediately following strenuous exercise. Wait at least 30 minutes to allow the body to cool down completely.
5. Excessive temperature has a high potential for causing fetal damage during the early months of pregnancy. Pregnant or possibly pregnant women should contact their physician prior to using the sauna.
6. Hypothermia Danger: Prolonged exposure to hot air will induce hypothermia. Hypothermia occurs when the internal temperature of the body reaches a level several degrees above the normal body temperature of 37°C. While hypothermia has many health benefits, it is important not to allow your body's core temperature to rise above 39.4°C. Symptoms of excessive hypothermia include dizziness, lethargy, drowsiness, and fainting.
7. The use of alcohol, drugs, or medications prior to or during the sauna session may lead to unconsciousness.
8. Persons suffering from obesity or with a medical history of heart disease, low or high blood pressure, circulatory system problems, or diabetes should consult a physician prior to using the sauna.
9. Persons using medications should consult a physician before using the sauna since some medications may induce drowsiness while others may affect heart rate, blood pressure, and circulation.
10. Never sleep inside the sauna while the unit is in full operation.
11. **DO NOT** use any type of cleaning agents on the interior of the sauna.
12. **DO NOT** stack or store any object on top of or inside the sauna.
13. If power supply cord becomes damaged it must immediately be replaced by a service technician. Please contact your local dealer for assistance.
14. **DO NOT** use the unit during an electrical storm, as there is a remote risk of shock.
15. Altering or tampering of any electrical connections on the power supply will void the manufacturer's warranty.
16. Dry your hands before handling electrical controls. Never unplug the power cord or adjust the controls with wet hands or when you have wet bare feet. A danger of electrical shock exists.
17. **DO NOT** attempt any repair without consulting the manufacturer first. Unauthorized repair attempts will void the manufacturer's warranty.
18. All natural wood articles have variations in the color, grain, and irregularities such as knots, and fine cracks. These characteristics are a part of the natural beauty of the wood, and in no way should be considered defective.



### DOWNLOAD THE OUTDOOR SAUNA USER & MAINTENANCE GUIDE

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**ALPINESPAS.COM.AU/SUPPORT**

## WOOD & EXPECTATIONS

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This Cedar Cabin Sauna is designed for outdoor use.

The lumber is naturally resistant to the elements. Rain and sun will not damage the wood, although natural weathering and coloring of the wood will occur over time.

The cedar is rustic cedar, so expect there to be slight imperfections and knots, this gives the barrel sauna its beautiful rustic look and feel. Because of the knots and being softwood, the staves will tend to bend out of line on their own. This is completely normal and will be self corrected as the Sauna is built.

Properly assembled, you should not experience water dripping into the sauna. However, you will experience water seepage, especially on the top and sides of the sauna. This is because of the porous characteristics of the wood and due to the ball-and-socket profile design of the staves.

Water seepage WILL NOT hurt the sauna and in most cases will dry quickly in the hot, dry environment when the sauna is in use. If you wish to keep your sauna completely dry at all times, then you should place it under a covering or structure with a roof. Light sanding will help to alleviate water stains.

## WARRANTY

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**INDOOR SAUNAS\***: Alpine Spas warrant the workmanship against defects in materials and workmanship for a two-year period from date of delivery. Electronics and parts also carry a 2-year warranty.

**OUTDOOR SAUNAS\***: Alpine Spas warrant the workmanship against defects in materials and workmanship for a 5-year period from date of delivery. Electronics and parts also carry a 2-year warranty.

*\*After 12 months this warranty is limited to supply of replacement parts and excludes labour.*



## PARTS LIST

### Installation Parts

Part Name	Label*	Qty
Regular Staves	1	80
Center Bottom Stave	2	1
Final Top Staves	3	5 (several sizes)
Front Edge Capping	4	13
Rear Edge Capping	5	13
Front Wall Panel Part 1	6	1
Front Wall Panel Part 2 (Door)	7	1
Front Wall Panel Part 3	8	1
Rear Wall Panel Part 1	9	1
Rear Wall Panel Part 2	10	1
Front & Rear Base Supports	11	2 ( 1 each )
Center Base Supports	12	2
Side Support Strut	13	3
Base Support Screw Set	-	1 Bag

Part Name	Label*	Qty
Glass Door	14	1
Glass Door Hinges (with Allen key)	15	2 Set
Door Handle, Magnet & Lock	16	1 Set
Inside Backrests	17	2
Inside Headrest	18	1
Upper Bench	19	2; Left /Rear
Bench Support 1/2/3	20	3
Heater Fence	21	1 Set
Steel Bands (3x long & 3x short)	22	3 Sets
Hinged Bench Lounger (Rear)	23	1
Bench Support Baton S	-	2 (~40cm)
Bench Support Baton L	-	3 (~55cm)
Screws/Hardware	-	1 Set

\*NOTE: The 'Label' column in the above table corresponds to the following page diagram which identifies the pieces for your reference. The physical items are not numbered. Some pieces however (such as the 'starting bottom stave') are physically stickered with their descriptive part name.

### Accessory Parts

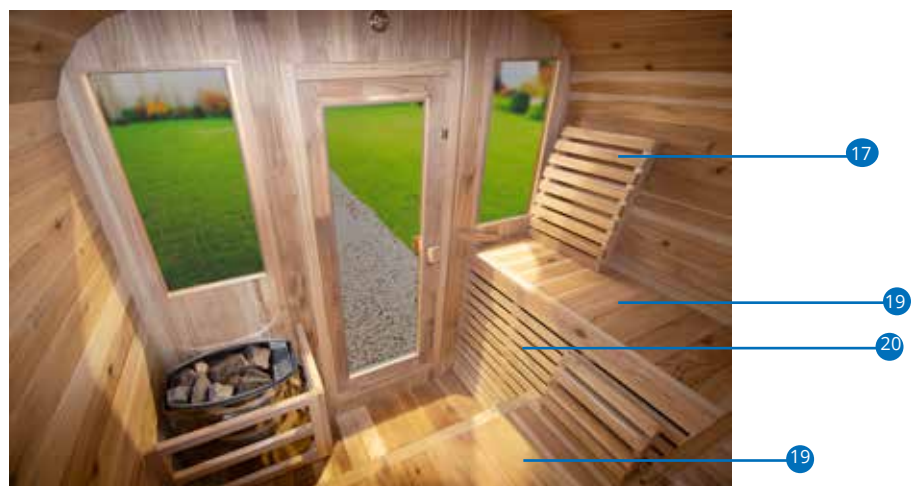
Part Name	Qty
Harvia 6kW Heater	1
Sauna Heater Stones	1 Set
Water Bucket	1
Ladle	1
Sand Timer	1
Sauna Vents	5 (4x65mm & 1x60mm)
Hygrometer	1
Bitumen Set	1
Rubber mallet	1

### Screws (Including Spares)

Size	Qty	Description
'4*40mm	370	Panel Set Securing Pieces, Inside Bench, Inside Bench supports, Front & Back Capping
'3*16mm	270	Top 51 Staves, Bitumen Roofing, Magnetic Lock
'6*35mm Dome Head	4	Heater Fence
'6*55mm	4	Bench Lounger
'6*75mm Dome Head	1	Door Handle
'3*14mm Dome Head	8	Door Lock
'4*30mm	6	Door Hinges (Maybe prefixed to the door)
'4*25mm	12	Front & Rear Panels
'5*50mm	38	Fixing Bottom staves to Supports
M8 Moon Nut	4	Cradle Base Supports
M8 Hex Nut	4	Cradle Base Supports
100mm Hanger Bolt	4	Cradle Base Supports
M8 Washer	4	Cradle Base Supports
Plastic Caps	4	Cradle Base
Steel Bands Bolt set	6	Each set consists of 1x Bolt, 2x M12 Nut with Cap, 2x M12 Nut, 2x Shims, 2x Spacers

## PRE-ASSEMBLY CHECKS

### PARTS LABELED



NOTE: Appearance of sauna and particular parts may vary from the diagram shown above.





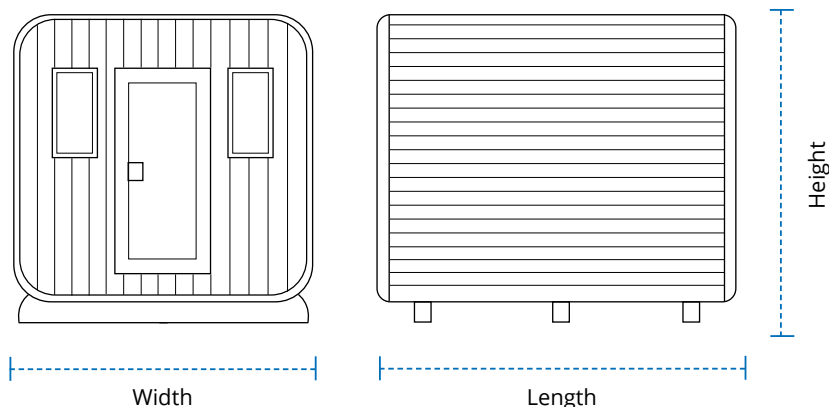
## FOUNDATION

An outdoor sauna can weigh up to 600kg once assembled, therefore requires a sturdy foundation. This needs to be a flat, level surface that supports the entire weight of the sauna and users. We recommend using either a concrete slab or a pile foundation. The base of the sauna must not rest upon anything that will degrade the quality of the timber (soil, grass etc.)

Your foundation should have some form of drainage or contour, allowing storm water to drain away from the base of the sauna. If you find after creating the foundation that your sauna base does not sit level, use packing shims or similar to correct to level positioning.

Once your outdoor sauna has been assembled, it becomes near impossible to move great distances. Therefore assembling the sauna in its desired location, or very close to, is strongly advised. Moving your assembled sauna can potentially cause damage or alter its performance, which may void the warranty. Refer to the below table for the assembled measurements of your outdoor sauna. Use these as a reference when planning your foundation.

Item	Width (cm)	Length (cm)	Height (cm)	Weight (kg)
Barrel	190	228	204	440
Vista Mini	190	169	204	420
Vista	190	228	204	440
Cabin	196	196	216	516
Hut	248	290	250	530



## Foundation Requirements

Below is a table which covers the minimum dimensions required for an outdoor sauna foundation.

Item	Width (cm)	Length (cm)	Thickness (cm)
Barrel	210	248	10 (Reinforced)
Vista Mini	210	189	10 (Reinforced)
Vista	210	248	10 (Reinforced)
Cabin	216	216	10 (Reinforced)
Hut	268	310	10 (Reinforced)



## INSTALLATION INSTRUCTIONS

### TOOLS

Tools required include screw drivers set, power drill set, wood drill bit set, measuring tape, level, mallet, socket set, oiling brush and roller.



### RESOURCES



TIMBER  
PROTECTION OIL



WATERPROOF  
SILICONE  
FOR BITUMEN  
ROOF

### OPTIONAL



STAPLER ASSISTS  
WITH ATTACHING  
BITUMEN ROOFING



19MM TUBE SOCKET  
(TIGHTENING STEEL BANDS)

## INSTALLATION INSTRUCTIONS

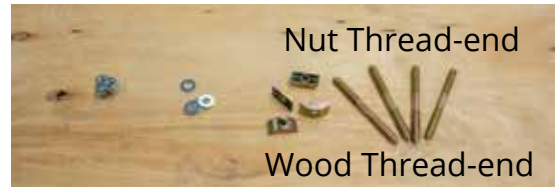


1. Locate your front, rear and the 2 center base supports, along with the 2 side struts. Lay these down in position and locate your hardware bag from the crate. This can be done on the ground or on a large work-bench. The front and Rear Base Supports are identical and universal at this stage.



2. Install the wood thread end of the 4x Hanger bolts into the pre-drilled hole in the recess of the front & rear base support. Leave 5 - 10mm of the wood thread exposed to prevent the thread going all the way through the base support.

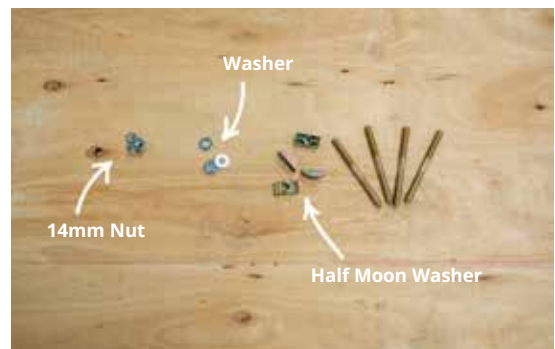
**TIP : Insert the nut thread end of the Hanger bolt into your drill and gently tighten the chuck, set your drill to a low setting and use this to quickly mount the bolt.**



3. Align the pre-drilled hole at the end of the side support strut onto the nut thread end of the Hanger bolt, making sure the large circle recessed access point is facing inwards. Also making sure the pre-drilled hole in the external side of the side support strut is facing down.



4. Secure the Side support strut to the Rear Base Support using the half moon washers, washer and 14mm nut. Tighten using a 14mm ring spanner. Repeat this on all four corners.



## INSTALLATION INSTRUCTIONS

**NEW MODEL HAS 2X 'CENTER BASE SUPPORTS' INSTEAD OF 1 (FOLLOW SIMILAR THEORY FOR INSTALLATION)  
PHOTOS WILL DIFFER**

5. With your frame now laying flat on the ground, position the Center Base support parallel with the front and rear base supports and in-line with pre-drilled screw holes in the side support struts. Making sure the pre-drilled hole for our center stave is facing up.



6. Secure the Center Base Support by using one of the '5\*50mm screws, make sure the Center Base Support is firmly on the level ground and center to the pre-drilled hole. Repeat this step on the other side.



7. Make sure each side support strut is tightly fixed to the front and rear supports and check that the structure is square using a 90° right angle before continuing.



8. Next locate one of the provided 12x40mm dowels and insert it into the pre-drilled hole in the middle of the center base support. There should also be 12x40mm dowels pre-installed in the front and rear base supports. (If not, these may have fallen out or you will need to use one from the dowels provided.)

Location of dowels are highlighted in RED in image from previous step.





## INSTALLATION INSTRUCTIONS



**NEW MODEL HAS 2X 'CENTER BASE SUPPORTS' INSTEAD OF 1 (FOLLOW SIMILAR THEORY FOR INSTALLATION)  
PHOTOS WILL DIFFER**

- 9.** Start by locating the 'center bottom stave'. This stave should have both edges rounded.



- 10.** Fit the center bottom stave into the center of the structure, align the 12x40mm dowels over the pre-drilled holes and firmly push these into place.

Make sure the 60mm vent hole is at the rear of the structure. This hole will now help us identify the REAR of the sauna.

Gently tap the top of the stave where the dowels are positioned to secure these in place.



- 11.** Next, using the provided '5\*50mm screws', secure the bottom stave into the front and back base supports. Make sure these screws are center and the head of the screw doesn't protrude out of the stave.



- 12.** Grab the next 8 staves and lay them on the base structure, 4 on each side of the center stave. Making sure that all the staves are around the correct way. Align the front end of the 4 staves up with the secured center stave. Use a flat edge to align these if required.

The staves should be 50mm off the front of the front base support.





## INSTALLATION INSTRUCTIONS

- 13.** Using the rubber hammer, tap the outside stave in towards the mounted center stave. Use a '5\*50mm screw to secure the 5th stave into the front base support. Then put a '5\*50mm screw into the 3rd stave into the front base support. Repeat these steps on the rear of these additional staves.

Once these are fixed in place, use the '5\*50mm screws to secure the staves into the center base supports.

**TIP : Use your feet between the stave and the side support strut to maintain pressure towards the center stave.**



- 15.** Grab another 10 staves and repeat this process (Another 5 each side). It is essential to make these staves tight and even. Screwing every 2nd stave and make sure your screws are in the center of the stave and going through to the center of the base supports.

**Make sure you don't screw the 9th and 10th stave in the center line as the center base support does not contour to the staves like the front and rear supports**



- 14.** Repeat this process on the other 4 staves. Stave 6 on the right is the special stave which contains the water drain.



## 16. OILING

Lay down a tarpaulin or drop cloth in a well ventilated area. With 2 people, lift the base and lay it gently onto the drop cloth upside down. Prepare your oil, tools and PPE required for oiling. Make sure to clearly separate your internal components i.e. benches as to not oil them by accident.





## 17. OILING

Evenly roll the oil onto the bottom of the staves, base supports and side struts. Take your time and make sure to get an even spread as this is our only opportunity to oil the base. Be generous but respectful as we don't want the oil dripping through the staves. Only oil the external timber (exposed to the outside). Save the ends of the staves for later on.



## 18. OILING

Continue to thoroughly oil the bottom of the base, use a paint brush to reach deep into the corners and into tight spots.



## 19. OILING

The base should now be completely oiled. Double check you have not missed any sides of the base supports or side struts.

While the base is upside down, install the 4x black hole covers over the base support mounting bolts. Use the rubber hammer to tap them in.



## 20. OILING

Rotate the base structure back over and keep an eye out for any spots which may have been missed with oil. Particularly the top of the side struts, the base supports and anywhere which may have been touched when rotating it over.

Clean any excess oil with a clean cloth.





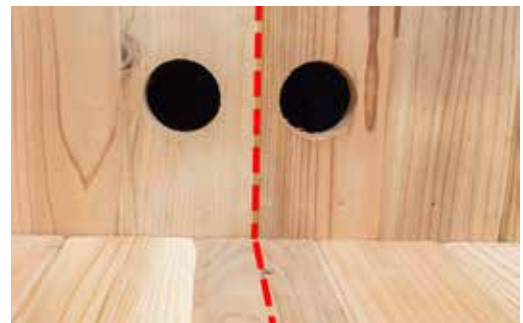
## INSTALLATION INSTRUCTIONS

- 21.** Next, locate the two rear wall segments and align them into the rear groove in the bottom staves. Make sure the segments are centered and have the bench seat internal supports on the inside.



- 22.** Grab one of the pieces of scrap plywood used in the packaging and secure it temporarily to the top of the back wall using 2x 4\*40mm screws, one screw on each side of the wall. This will help keep the segments together while installing more staves.

**The center join of the back walls will be in the center of the first center stave with both edges curved.**



- 23.** While one person is holding these in place, screw in a 4\*40mm screw into each side of the back wall from the outside of the 10th stave. This will help keep the back wall in place and stop it from moving. Repeat this on the other side.



- 24.** Next, locate the 3 front wall segments and lay these face down on a clean flat workspace. Insert the segments into one another using the tongue and groove joins.





- 25.** Use the 4\*25mm screws to secure the segments together, pre-drilling is required in the 6 highlighted locations on the lower image.

- Make sure you're screwing into the inside face.
- Make sure not too over tighten these screws, over screwing results in the tip of the screw protruding out the back of the wall.
- Also make sure the top and bottom edge of each segments is flush.



- 26.** Gently lift the front wall into position, slotting the bottom of the wall into the grooves in the staves. Align the center of the front wall to the center of the first center base stave.

TIP : We used the edge of our workbench while lifting it up to prevent the wall buckling at the joins. Alternatively you could use a stave horizontally along the wall to support it while you move it.

- Repeat step 23 on the front wall



- 27.** Once the front wall is secured, you can lay a stave on top between the front and rear wall to help keep them in place. Position this to the side of your temporary piece of plywood from step 22.

**Do not screw this into place**



- 28.** Arrange the remaining staves evenly on each side of the sauna, making sure they're all orientated correctly.





## INSTALLATION INSTRUCTIONS

- 29.** Pick one side to begin on and position a stave into place. Start at the front and tap the stave downwards towards the previous stave. While using your knee to keep the pressure on the previous stave, use a 4\*40mm screw to secure the stave. Screw near the top of the stave and make sure the screw is going into the center of the front wall.



- 30.** With the front end secured, repeat this process on the rear end of the stave.

**TIP : Pre-screw the tip of the screw in position, tap the stave into place and then continue to secure the rest of the screw.**



- 31.** Continue to install the next 22 staves on each side, tapping and screwing 4 staves each side at a time.

**Make sure the front edge of the stave is flush with the previous one. Also make sure the screws are secured at the top of each stave and angled slightly downwards so it pulls the stave tightly into the previous one.**



- 32.** This will now mean we have 32 staves on each side (including the bottom center stave for both total counts). The 32nd stave should be close to the center of the front windows on either side.







- 33.** Continue to lay 1 stave each side until you have one left in the center.

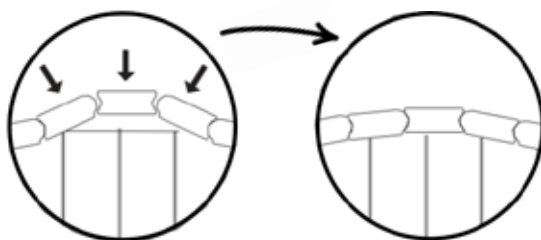
**DO NOT SCREW THESE STAVES IN**



- 34.** At this point our final gap between the staves can vary, this is why we provide several sized final staves to account for this. You will need to tap the loose top staves outwards and measure the gap to gain a better idea on what top center staves you require. Repeat this on the back and take note of the measurements.



- 35.** If the front and rear dimensions are different, you will need to take the measurement between the two staves, for example our front dimension was 90mm and our rear was 110mm, so we used the D-stave and a top center stave to create a 104mm wide stave to fill the gap.



- 36.** These staves should only need a light tap to lock into position. Making it too tight might result in the front and rear wall segments to separate. The goal is to create a tight fit with little to no gaps between the staves as illustrated in the below image. A maximum 5mm gap between the middle staves is accepted as the steel bands will close this.



## INSTALLATION INSTRUCTIONS

- 37.** Measure 1200mm from the ground and make a pencil mark on the stave. There should be a stave join just below this mark, this stave join will be our marker for the drip edge after we have stained the rest of the exterior.



### 38. OILING

Prep your oiling equipment, PPE and begin to mask off all the windows and the door sill. You can also prep the following parts to be oiled ; Door, door handle, door lock, drip edge and decorative boards.

**Remember to only oil the exterior of these parts!**

**TIP :** Keep the decorative boards separate when oiling, you can use a light pencil to mark the outside of the board to keep track of it's corresponding number. Separate your internal benches and put away to one side so you don't oil them by accident

### 39. OILING

Begin to oil the exterior staves ; front wall, back wall, exterior of door, exterior door handle, exterior door lock handle, decorative boards, drip edge.

**Only oil up to our stave line from Step 37. Do not oil above this line.**

**Any excess oil should be removed instantly with a clean rag. Lay some cardboard inside the doorway to prevent drips internally.**







- 40.** Once the oiling is complete, locate your steel bands and remove the blue protective tape. Once you have removed the blue tape, separate the 3 long bands and the 3 short bands. Feed a short band under the base, **making sure it goes between the staves and the side struts.**

**IMAGES ONLY SHOW 2 BANDS, THIS MODEL WILL COME WITH 3 SETS.**



- 42.** Once all 3 bands are in place and bolted together, adjust the heights of the six bolts so they are level on both sides. Tighten them evenly using a 19mm ring spanner or a 19mm tube socket if you have one on hand. While the bands are being tightened, gently tap the top loose staves with the rubber hammer to help them lock into place.



- 41.** Then lay a long band over the top in line with the short band. Using the bolts provided, join the two ends of each band together but do not tighten yet. Repeat this on the rear and in the middle. The bands should remain on the outside of the rear base support.

**The bands cover the stave screws.**



- 43.** Locate the drip edge and align the top of it with the stave joint that you have oiled up to. Secure it in place using the 4\*40mm screws.



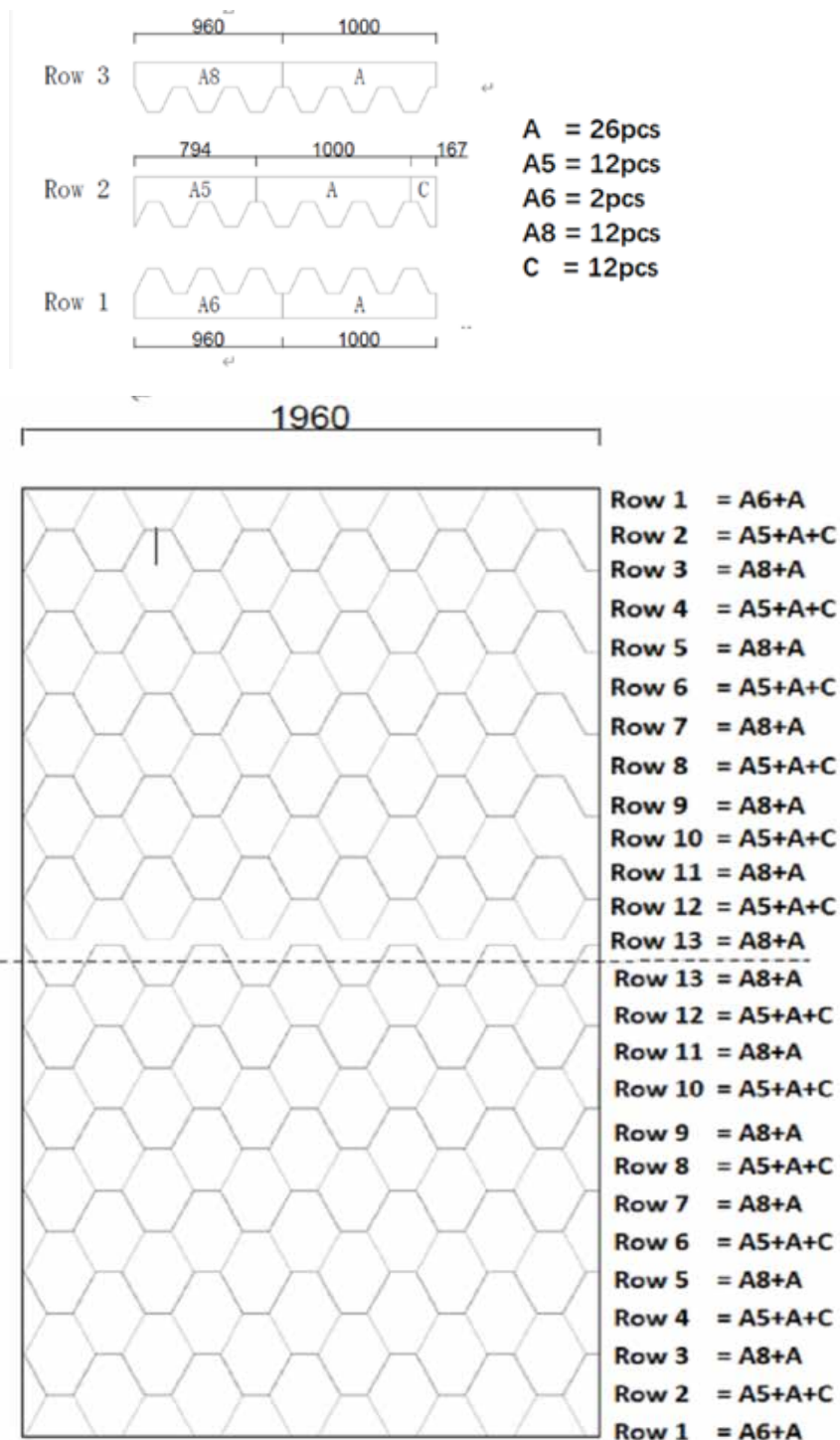
## INSTALLATION INSTRUCTIONS

**NOTE:** Please check your Sauna serial number before proceeding.

Over time bitumen tile layouts can change.

The serial number will guide which layout you will need, as the number of bitumen tiles and overall number of rows needed for full cover differs.

### Serial Numbers 24013200 and BELOW



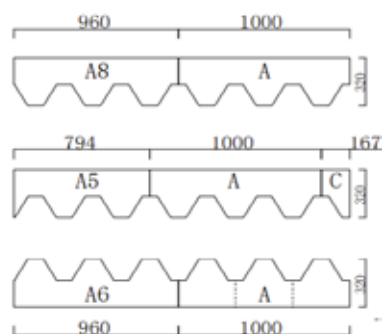


**NOTE:** Please check your Sauna serial number before proceeding.

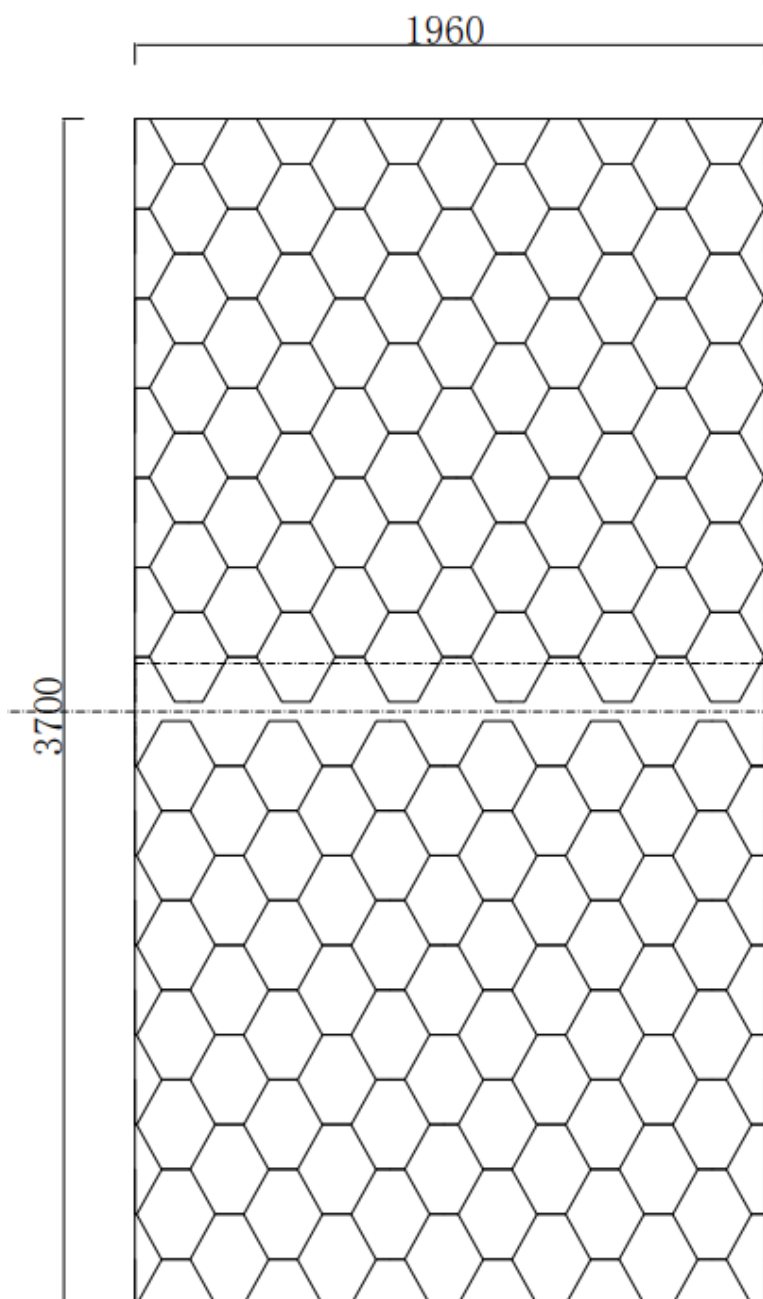
Over time bitumen tile layouts can change.

The serial number will guide which layout you will need, as the number of bitumen tiles and overall number of rows needed for full cover differs.

## Serial Numbers 24013201 and ABOVE



**A = 30pcs**  
**A5 = 15pcs**  
**A6 = 2pcs**  
**A8 = 13pcs**  
**C = 15pcs**



**Row 14 = A5+A+C**  
**Row 13 = A8+A**  
**Row 12 = A5+A+C**  
**Row 11 = A8+A**  
**Row 10 = A5+A+C**  
**Row 9 = A8+A**  
**Row 8 = A5+A+C**  
**Row 7 = A8+A**  
**Row 6 = A5+A+C**  
**Row 5 = A8+A**  
**Row 4 = A5+A+C**  
**Row 3 = A8+A**  
**Row 2 = A5+A+C**  
**Row 1 = A6+A**



- 44.** Next, locate the packaged bitumen roof tiles and lay them on your workspace. Unwrap them and position them into their corresponding layers. Remove the protective film on each tile before installing. Double check the serial number on your Sauna to confirm the bitumen layout as piece count can vary.

**Avoid leaving these in the sun before installing**



- 45.** Position segment A6 and A along the drip edge, making sure the flat part of the segment is flush with the bottom of the drip edge. Secure these using a staple gun. BE SURE TO STAPLE & SCREW AT THE TOP OF THE RIDGE SO IT WILL BE COVERED BY THE NEXT LAYER.

Use 3 -4 of the provided 3g 14mm screws to secure each segment in place.



- 46.** Once the first layer is secure, position an A5 segment next and secure in place. Make sure to always start at the front edge and to make sure the segments are flush. Then continue to install the A and C segments using the staples to hold the segment in place and then the 3\*16mm screws to securely mount it.

Remember to staple and screw at the top



*Tile in image is an example only*

- 47.** Continue to follow these steps and lay each layer on top of the previous. Follow the layer guide for each side of the sauna.





- 48.** Last row on each side should overlap the centre stave, creating a further defence layer against rain and water. Before installing the last centre top layer of bitumen, apply a generous layer of sealant to the underside of the tile and carefully position it into place. **DO NOT STAPLE OR SCREW THIS TILE.** Firmly press down on the areas where sealant was applied, creating a waterproof seal.

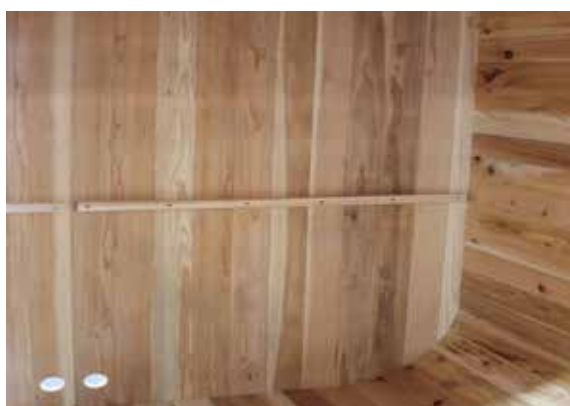


- 49.** Install the 4 x 65mm vent guards in the rear wall (2x internal and 2x external) and 1x 60mm vent guard in the bottom staves, under the heater location.

TIP : You may need to bend out the small nodes of each vent using a flat head screw driver or chisel.



- 50.** Secure a Large ~55cm support baton in place on the left wall keeping it level with the pre-installed bench supports along the back wall panels.



- 51.** Screw vertical support baton ~40cm underneath to create a 90° angle. Repeat installation of both batons for the right wall.



- 52.** Locate the back frame support (bench support 1). The bottom of the frame is the curved edges, with the open cross window on the left.



- 53.** Fix the back frame bench support frame curved edge down, flush to the wall mounted staves, making sure the top edge is level. Using 4\*40mm screws screw directly through the frame into the walls with the predrilled holes.



- 54.** Locate the top seat frame ensuring that the recline function supports can open upwards.



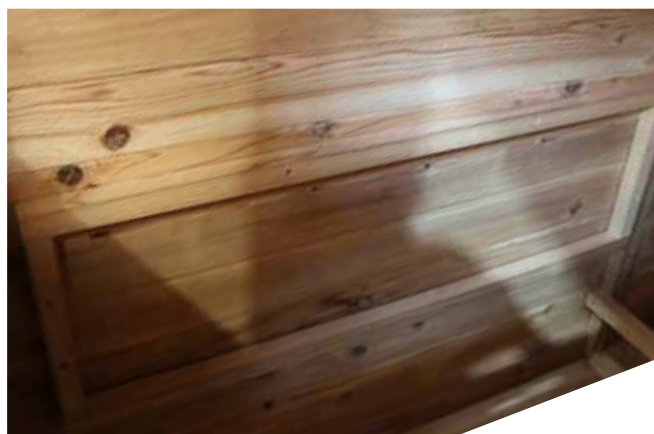
- 55.** There should be pre-drilled screw holes in the side of the top seat frame. These holes are used for securing screws into the stave from the inside. Lay this on top of the pre-mounted supports making sure that the reclining function still opens upwards. Secure this in place using the 4\*40mm screws into the staves.



- 56.** Check the back support hinges move smoothly



- 57.** Find rectangular left bench frame and Screw to left wall level with the back bench support and flush against the frame.







- 58.** Locate left frame support (Bench Support 2). This will have additional batons in the bottom right corner forming a box.

Using 4\*40mm screws, fix the left frame support to the back frame support and front wall from the inside of the frame support.



- 59.** Install large dual hinged seat on centre of the top tier, along the back wall with the pre-drilled holes and 6\*55mm screws in the centre fixed panel. This is the only bench that contains hinges.



- 60.** Install Medium length bench on left side frame securing with 4\*40mm. This should give your sauna the top level of seating.



- 61.** There will be one final pre-drilled baton left. This baton will be the same length as the matching counter part already fixed on the left side to the left bench frame.



- 62.** Fix final baton level along the finished section of the curve 4\*40mm at the right hand side of bench support 1.



- 63.** Locate Bench Support 3; Fix bench support 3 to the internal wall and baton on bench support 2 screwing from the back with 4\*40mm. Install final bench onto the completed frame.



- 64.** Locate the 2 heater guards and bolt these together using 4x 6\*35mm screws. Make sure that the larger gap in the guard is mounted at the bottom to allow access to the heat control dials.



- 65.** Install Harvia Heater wall mounting- Rack and Screw the "Heater Fence" into the wall, to the left of the door, approximately 150mm off the floor using the predrilled holes and 4x 4\*40mm screws.



- 66.** Refer to Harvia Heater Installation Instructions from steps at 67



### Sauna Stone Break-In

A break-in procedure for the heater must be done when turning it on for the first time to cure the woodwork and burn off any impurities. When heating up the sauna stones for the first time, they may crackle loudly and even chip/explode slightly - this is normal. Be sure to exit the sauna with the door shut when doing so.





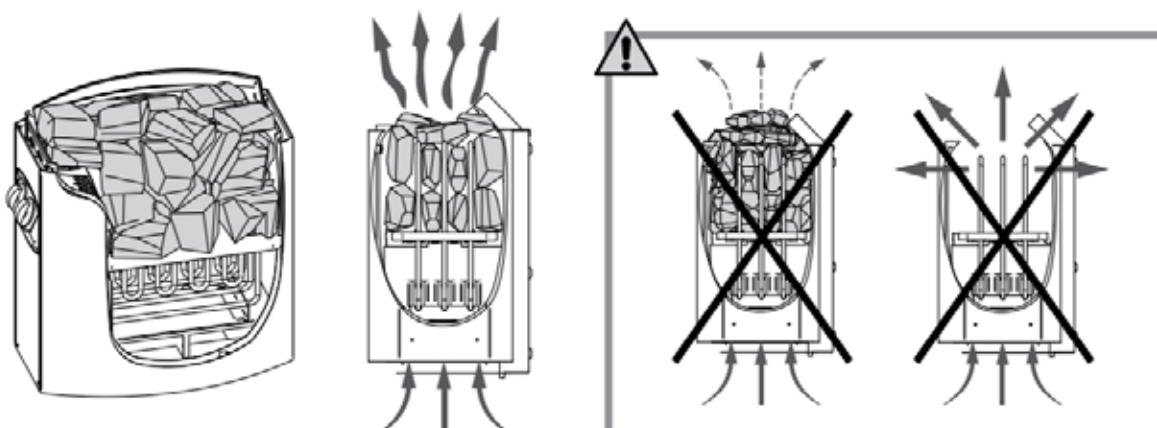
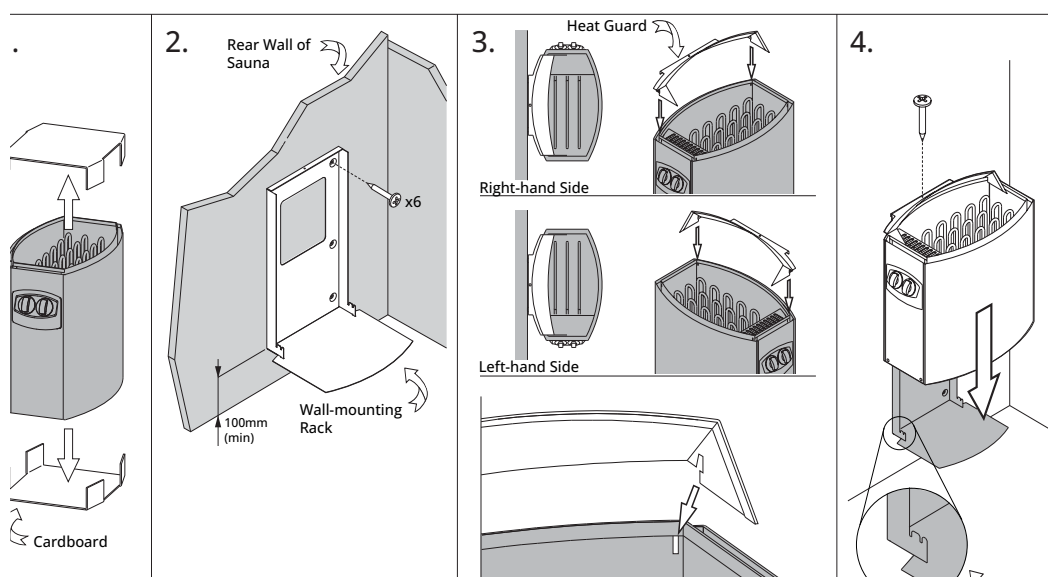
## Harvia Heater Installation Instructions

- 67.** Remove both cardboard covers before installation.
- Fasten the wall-mounting rack to the rear wall of the sauna using the provided screws. Make sure the heater is installed level and 100mm off ground level, while allowing enough space to access the control dials. Refer to the Sauna assembly instruction for the heater location.

- 69.** Lift the heater to the rack on the wall so that the fastening hooks of the lower part of the rack go behind the edge of the heater body. Lock the edge of the heater onto the rack with the supplied screw.

- 68.** The heater can be installed so the control dials are positioned on the left, or the right-hand side. Install the heat guard accordingly to the rear of the heater, making sure the clips fasten in the hole properly.

- 70.** Rinse off the Harvia Sauna Stones to remove any transit dust prior to placement in the heater. Place the stones in and around the heating elements so they support each other, instead of lying their weight on the heating elements. Don't form a high pile on the top of the heater, or wedge stones between the heating elements as this can cause damage.



## INSTALLATION INSTRUCTIONS

- 71.** Locate the door and lay it down on your workbench. Position the door hinges in place and line up the pre drilled holes. You may need to use a 3mm drill bit to correct any holes which may not line up. Secure the hinges using the 4\*30mm screws. Repeat this for both hinges.



- 72.** Position the door into location and have a second person mount the hinges in place. Make sure these are flush and you use the pre-drilled holes. Once the door is secured, close it gently and make sure it doesn't rub or catch anywhere. (You may be required to lightly sand or plane an edge to stop rubbing or catching)



- 73.** Secure the door handle in place using a 6\*75mm bolt.



- 74.** Mount the locking mechanism in place using a 3\*14mm screw.





- 75.** Mount the magnetic catches at the top and bottom of the door frame using the provided 8x 3\*16mm screws. Mount the other accessories using the 3\*30mm screws in your desired location. Except for over the heater.



**77.**



Note that the very centre of the top middle stave may not be true center.  
The last 2 boards on either side may extrude over the drip edge. If this is the case, hold the decorative board in place, mark it and trim the drip edge & bitumen tile as required. Repeat this on the back.

- 76.** Add the capping to the front and back of the sauna using the 4\*40mm screws. Begin with #8 (bottom piece) and make sure it is mounted in the center.

The tops of #7, #8 and #9 should all be flush with the top of the bottom staves to prevent trip hazards. The remaining pieces are designed to extrude 5 - 10mm out from the stave edge.



**NOTE : Excess screws and hardware is expected**







Lined area for notes, consisting of multiple horizontal lines.



## CONTACT INFORMATION

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**<http://alpinespas.co.nz/support> OR <http://alpinespas.com.au/support>**