



Manufactured by:
Backyard Discovery
3305 Airport Drive, Pittsburg, KS
66762 800-856-4445

Basepoint Business Centre: Rivermead Drive, Westlea, Swindon SN5 7EX Phone: 0800-118-2476
J.P. Coenstraat 7, The Bridge, The Hague, 2595 WP, Netherlands Phone: 08005678990

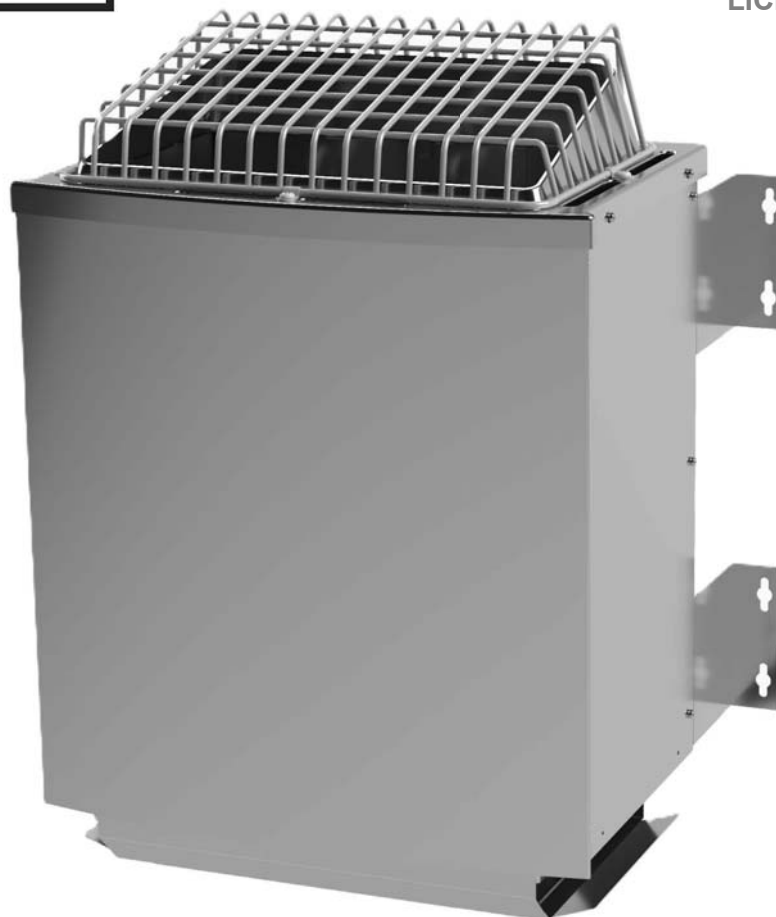
9KW ELECTRIC SAUNA HEATER

MODEL #: 9250253



**READ ALL INSTRUCTIONS BEFORE INSTALLATION AND USE
TO AVOID INJURY OR DAMAGE TO HEATER OR SAUNA**

**MUST BE INSTALLED BY
LICENSED ELECTRICIAN**



Please visit www.backyarddiscovery.com

For the most up to date assembly manual, to register your product, or to order
replacement parts *Para obtener instrucciones en español, visite*
www.backyarddiscovery.com

Important safety instructions:

- **The installation and electrical connection of the sauna equipment and other electrical equipment may only be carried out by a licensed electrician.**
- It is normal for smoke to appear during the first heating, as protective element coating needs to burn off. Turn sauna on for 1 hour before using the first time to eliminate smoking.
- **Heater must be permanently installed (no pigtails or plug allowed) and wiring must be done by a licensed electrician**, who must follow wiring diagram provided and adhere to local codes. Use proper A.W.G. rated wire size and use copper wire suitable for 221°F (105°C) within sauna walls. Use grounding terminals provided in sauna heater and control panel to properly ground the equipment as per NEC and local codes.
- **Follow the safety instructions** to the letter to ensure that you can operate your equipment safely.
- The unit is not designed for use in public saunas.
- **Caution - danger of burns.** The housing of the sauna stove and the stones get very hot.
- **If it is not installed correctly the unit may cause a fire.**
- **Read the complete assembly instructions with due care.** Pay particular attention to the dimensions and instructions.
- **Only use sauna stones approved for use in saunas.** Sauna Stone volume is approximately 25-27.5lb [11.5-12.5kg]. Using inadequate stones may cause them to crack or explode, leading to serious injury. Insert sauna stones loosely; if the stones are inserted too tightly there is a danger of overheating.
- **Do not operate the stove without sauna stones.**
- **Keep children away from the sauna stove.** They may suffer burns.
- **Seek medical advice** about the sauna temperature and how long people with medical problems, infants, children, pensioners and handicapped people may stay in the sauna. Ignoring medical advice could result in serious injury or even death.
- **Do not allow the sauna stove to be used by people who are under the influence of medication, alcohol or drugs.**
- **Do not exceed 30 minutes in the sauna at one time.** Prolonged exposure may be harmful to your health. The sauna should not be used as an endurance test.
- **Pour small amounts of liquid on to the stones;** if you pour too much liquid on to them you may suffer scalds. The quantity of liquid on the stones should not exceed 3-6 oz per ladle.
- Do not use the sauna to dry items, clothing or laundry. They may catch fire.
- **Do not place any items on the stove.** They may catch fire.
- **Do not place any items, apart from the sauna controller's temperature sensor, in the convection current of the stove.** This could cause the sauna to catch fire.
- Metal surfaces may rust in a damp, saltwater climate.
- The stove may generate cracking noises while it is heating up and while it is operating (metal heating elements and stones expanding)
- The maximum temperature for the wall and ceiling of the sauna cabin is 194°F (90°C).
- **Exercise caution when moving in the sauna.** The benches and floors may be slippery, increasing the risk of slipping and falling.
- **Not recommended for use by children!**

WARNINGS!

- Do not smoke, use alcohol, or exercise in the sauna.
- Do not exceed 30 minutes in the sauna at one time, as excessive exposure can be harmful to health.
- People with poor health should consult their physicians before using the sauna.
- Use only clean tap water on the stones – do not use pool, spa, or well water as chlorine gas can be produced and the heating elements can be damaged.
- Do Not install shower heads, plumbing fixtures, or taps in the sauna.
- Do Not install electrical outlets inside or outside the sauna.
- Do Not install any locking or latching mechanisms on the door to prevent accidental entrapment.
- CAUTION: AVOID A FIRE, DO NOT PLACE COMBUSTIBLE MATERIAL ON SAUNA HEATER.
- If the manually resettable temperature-limiting control trips frequently, a qualified serviceman should be contacted;
- Inspect the sauna heater at the end of the day to ensure the sauna heater is turned off.
- Warning: Permits may be required. Check local building codes before installing.

Important **Installation instructions:**

Follow the directions in the sauna assembly instructions for the location of heater.

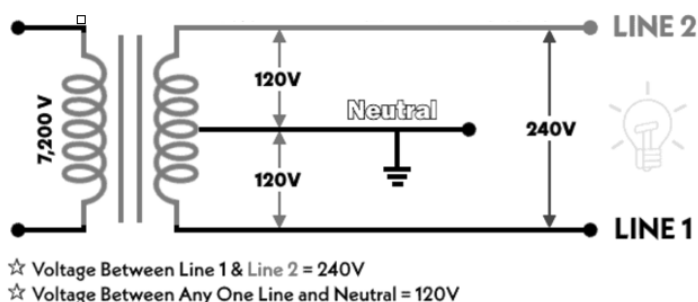
Note:

The control equipment may be destroyed even if it is incorrectly connected only once. The warranty will be void if the electrical connection is not correct.

Instructions for the electrician:

Heater must be permanently installed (no pigtails or plug allowed) and wiring must be done by a licensed electrician, who must follow wiring diagram provided and adhere to local codes. Use proper A.W.G. rated wire size and use copper wire suitable for 221°F (105°C) within sauna walls. Use grounding terminals provided in sauna heater and control panel to properly ground the equipment as per NEC and local codes. Heater must be connected to a standard 2-pole breaker (LINE1 and LINE2). No GFI may be used. If this heater is connected to a GFI breaker, nuisance tripping may occur causing unnecessary and unintended wear on internal components. If connected to a GFI breaker, warranty on internal components will be voided.

Difference Between 120V & 240V Power Supply



Important:

The main connection leads must be flexible cables with polychloroprene sheaths. No connection leads are supplied with the stove. All the cables installed inside the cabin must be suitable for an ambient temperature of at least 221°F (105°C). Heat resistant silicon cables must be used. The minimum cross-section of the connection cable and the minimum size of the sauna cabin are shown in the table. Make the electrical connection as shown in the connection diagram. A connection diagram is additionally affixed to the inside of the duct cover. Fit the cover after making the electrical connection. Please note that live cables must not be routed visibly on the internal walls of the cabin for safety reasons.

IMPORTANT INFORMATION

IMPORTANT SAFETY INSTRUCTIONS & WARNINGS

- ⚠ READ ALL INSTRUCTIONS BEFORE INSTALLATION AND USE TO AVOID INJURY OR DAMAGE TO THE HEATER OR SAUNA
- ⚠ FOLLOW SAFETY INFORMATION IN THIS DOCUMENT TO AVOID SERIOUS INJURY OR DEATH
- ⚠ REFER TO YOUR LOCAL BUILDING CODES FOR ANY SPECIFIC INSTALLATION REQUIREMENTS
- ⚠ ALL ELECTRICAL WORK NEEDS TO BE COMPLETED BY A LICENSED ELECTRICIAN. FAILURE TO DO SO COULD CAUSE INJURY OR DAMAGE TO THE HEATER.
- ⚠ KEEP THESE INSTRUCTIONS FOR FUTURE REFERENCE
- ⚠ HEATER IS NOT FOR PUBLIC SAUNAS; RESIDENTIAL USE ONLY

Prolonged exposure is capable of inducing hyperthermia which occurs when the internal temperature of the body reaches a level several degrees above the normal body temperature of 98.6 °F. The symptoms of hyperthermia include an increase in the internal temperature of the body, dizziness, lethargy, drowsiness, and fainting. The effects of hyperthermia include:

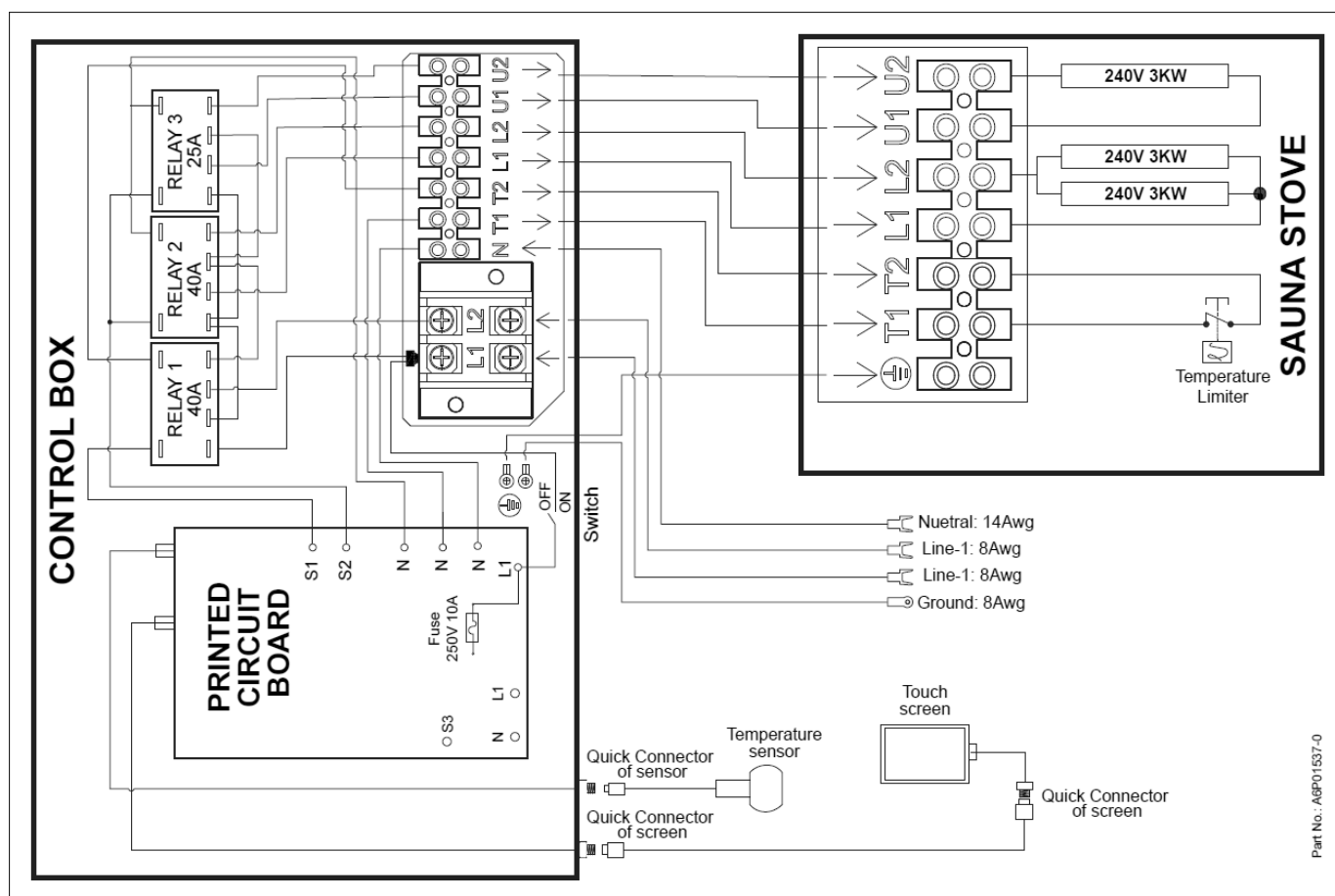
- Failure to perceive **heat**;
- Failure to recognize **the** need to exit **the** room;
- Un**awareness** of **impending** **hazard**;
- Fetal **damage** in pregnant **women**;
- **Physical inability** to exit **the** room; and
- Unconsciousness.

WARNING - The use of alcohol, drugs, or medication is capable of greatly increasing the risk of fatal hyperthermia.

Warning-The product is designed without a built-in GFCI (Ground Fault Circuit Interrupter), but the outdoor power supply line connected to it must be equipped with GFCI protection.

Connection Diagram:

Sauna Type	Amps	Voltage	Phase	Wire Size
9 kW	50	240	1	#8/3 and #14/1



Testing the insulation resistance:

The resistance values between the various conductor terminals and the housing (protective earth) can be measured using an insulation resistance measuring unit. The total insulation resistance between the conductor terminals and housing (protective earth) must be greater than 1 MOhm. Ohm values of the stove 5 - 8 Ω for 9 kW sauna heater.

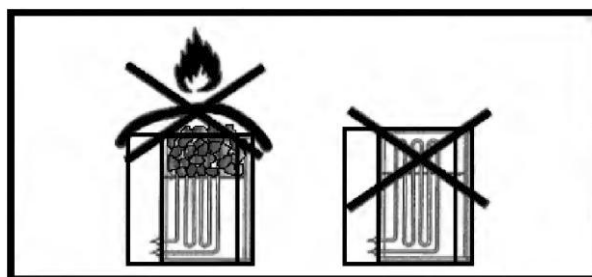
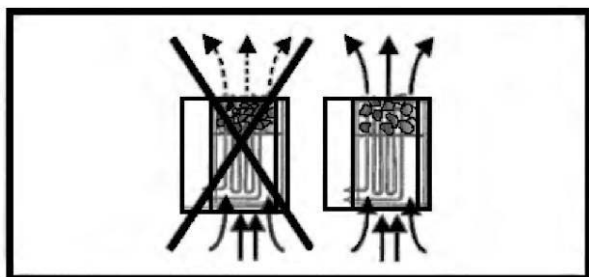
Oven type	Connection rating in kW	Minimum cross-sections mm ² (copper cable) 9kW oven connect to 120V/240VAC, 1-Phase, 3-Wire	
		Power supply cable (silicone)	Fuse in A (Not Provided)
9kW	9,0	#8/3 (Line1, Line2, Ground) and #14/1 (Neutral) wire	Line1 and Line2: 50A Neutral: 2A

Positioning the sauna stones on the stone grid:

Sauna stones are a natural product. We recommend that you clean the provided stones with clean water before placing them on the stove. Do not use stones unless they are designed for use in a sauna. Use a maximum of 25-27.5lbs (11.5-12.5kg) of stones. Important: Position the stones loosely and remove any stones that are too small. If the stones are packed too tightly, they will affect the air circulation and will result in the sauna stove and cabin walls overheating and a fire risk. Do not use the stove without stones. Only use stones that are marked as sauna stones in shops. Warranty claims will not be accepted if stones other than those designed for use in saunas are used or for claims resulting from filling the stone chambers incorrectly. Turn the stones at least once per year, remove any stones that are too small and remove all stone dust and stone splinters. We recommend that you replace the stones every two years.

Important:

If you cover the stove and fill the stone container incorrectly the unit may cause a fire. Do not use the stove without sauna stones.



Cleaning and care:

Switch off the stove and allow it to cool before you clean it. Do not use scouring cleaning products to clean the stove.

Liquids:

The sauna stove is suitable for sauna liquids.

Please read the following carefully:

- Only use water that meets the quality requirements for domestic water.
- Water that contains high levels of lime or iron will leave residue on the stones and metal in the water tank.
- To prevent scalds caused by rising steam whilst pouring liquid over the stones, liquids should always be poured from the side using a ladle.
- Dripping water may cause permanent marks on the cabin floor.
- Pour small amounts of liquid on to the stones; if you pour too much liquid on to them you may suffer scalds.
- Use as much liquid as you are comfortable with, but do not exceed a volume of 3-6 oz per ladle.
- The liquid should be poured straight on to the stones in the stove and must be spread evenly over all the stones.
- If you use liquid concentrates (for example essential oils), follow the instructions for use provided by the manufacturer.

- Using excessive concentrations of these products may result in explosions.
- Do not use mixtures of alcoholic drinks or other additives not recommended for use in saunas as they pose a risk of fire, explosion and may be harmful.
- The warranty will be voided if you fail to follow these instructions.

Important:

Liquids may cause marks on metal surfaces and sauna stones. Sauna liquids with citrus fragrance may cause rust patches as a result of their acid content. In this case you should only use products in the diluted form specified by the manufacturer.

Troubleshooting:

DANGER: Turn off power to heater at breaker before performing maintenance on the heater. Failure to turn off the power could lead to electrocution and even death.

CAUTION: Before placing or adjusting the sauna stones, ensure heater is back to room temperature. Failure to do so may cause burns.

If the Sauna Heater Does Not Operate After Initial Installation:

1. **Check Power Supply**
Ensure the heater is properly connected to a functioning power source and that the circuit breaker has not tripped.
2. **Verify Timer and Thermostat Settings**
Confirm that both the timer and thermostat dials are set correctly. The heater will not operate if either dial is turned off or set too low.
3. **Inspect the Safety Features**
Some models include a safety reset switch or temperature limiter. Refer to the user manual to locate and reset this feature if needed.
4. **Check Wi-Fi Connectivity (if applicable)**
If using Wi-Fi control, verify that the heater is connected to the network and the app is functioning properly.
5. **Review Installation Steps**
Ensure all installation steps were completed correctly, including proper placement of stones and secure electrical connections.
6. **Consult a Qualified Electrician**
If the above steps do not resolve the issue, contact a licensed electrician to inspect the installation.
7. **Contact Customer Support**
If problems persist, reach out to the manufacturer's customer service for further assistance

FCC Warning

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation. Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Note: The Grantee is not responsible for any changes or modifications not expressly approved by the party responsible for compliance. Such modifications could void the user's authority to operate the equipment.

The device has been evaluated to meet general RF exposure requirements. To maintain compliance with FCC's RF exposure guidelines, the distance must be at least 20 cm between the radiator and your body, and fully supported by the operating and installation

CAN ICES-003 (B)/NMB-003(B)

IC ID Warning

This device contains license-exempt transmitter(s)/receiver(s) that comply with Innovation, Science and Economic Development Canada's license-exempt RSS(s). Operation is subject to the following two conditions:

(1) This device may not cause interference.

(2) This device must accept any interference, including interference that may cause undesired operation of the device.

OWNER'S MANUAL - PARTS IDENTIFICATION

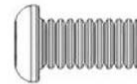
Hardware Components



H101467 SCREW PPH SS
(x8) #8-32x1/2 SS

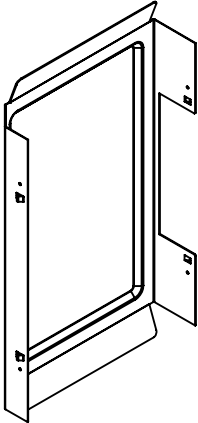


H101466 SCREW PPH SS
(x4) #8-32x6.5 SS

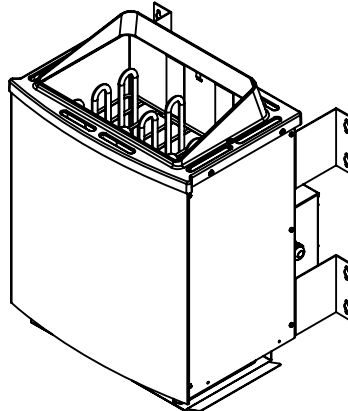


H101246 SCREW PWH #8x7/16 SS
(x4) 8x7/16

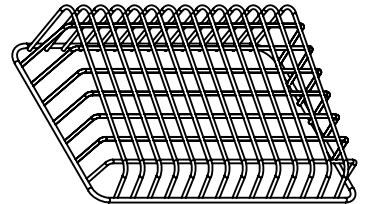
Accessory Components



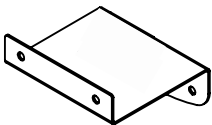
A4M05590-07 HEATER BOTTOM DEFLECTOR
(x1)



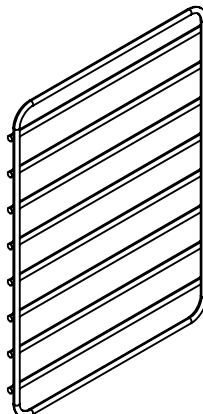
A4M05590-04 HEATER
(x1)



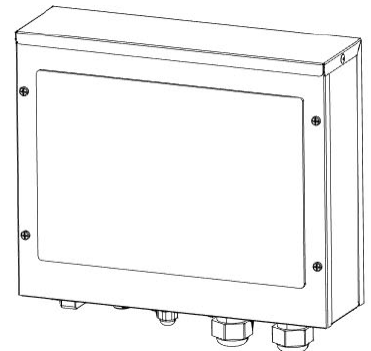
A4M05590-12 STONE GUARD
(x1)



A4M05590-05 HEATER WALL BRACKET
(x4)



A4M05590-15 STONE SHELF
(x1)



A4M05590-01 CONTROL PANEL
(x1)

(ASSEMBLY INSTRUCTIONS INCLUDED WITH SAUNA)



A6P01495 SAUNA ROCKS
(x1)

(PACKAGED WITH SAUNA)



OVERHEATING RISK LABEL
(x1)



HOUSEHOLD USE ONLY LABEL
(x1)

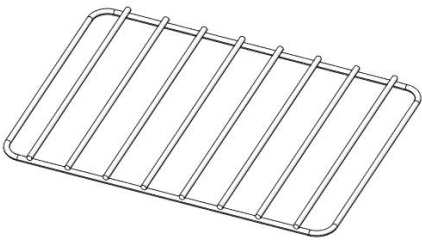


ELECTROCUTION AND BURNS LABEL
(x1)



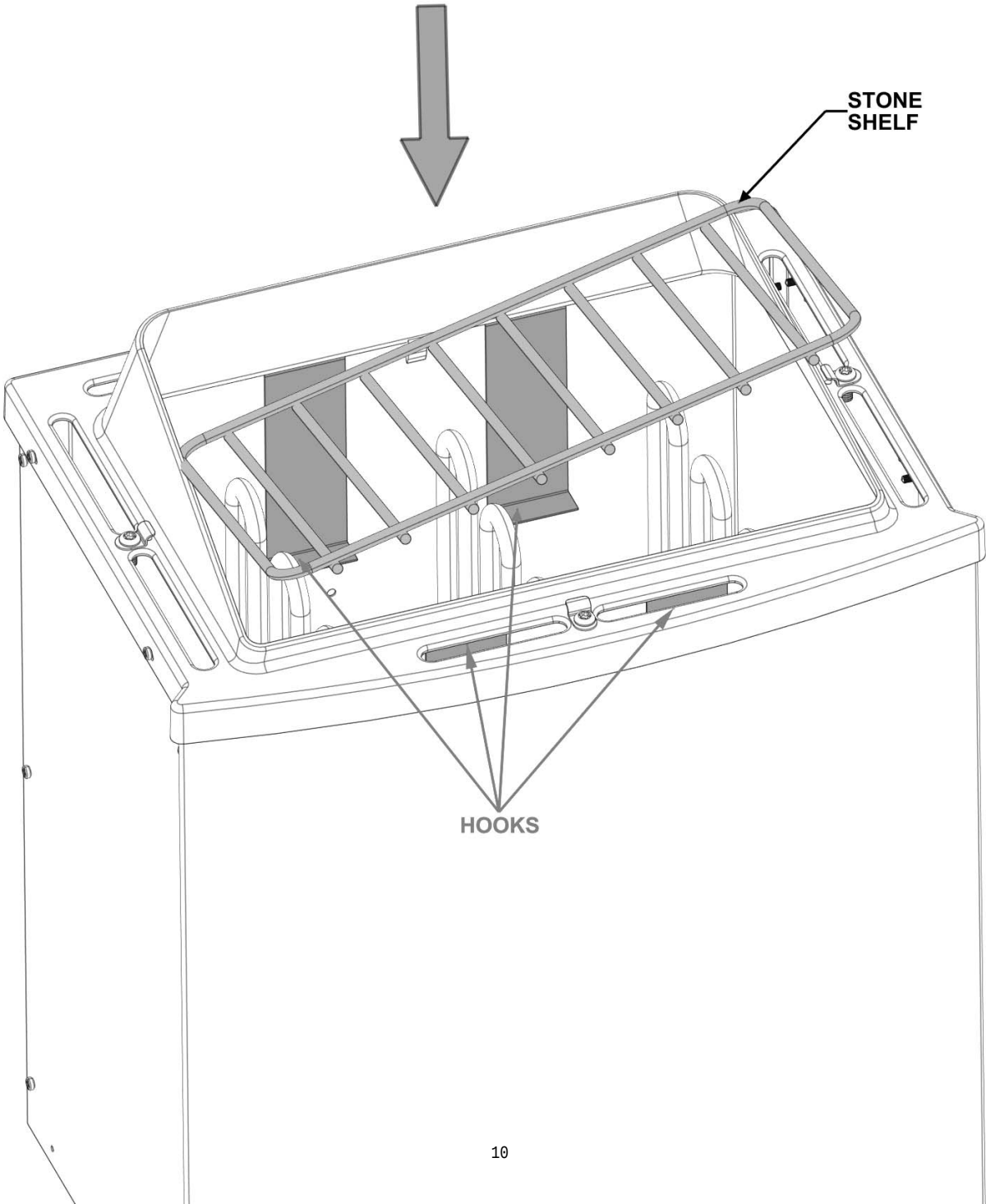
HIGH TEMPERATURE PROTECTOR RESET LABEL
(x1)

STEP 1 - HEATER ASSEMBLY



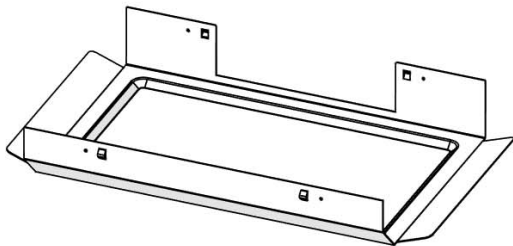
STONE SHELF
(x1)

- ADJUST SHELF HOOKS TO EVENLY SPACED.
- ANGLE SHELF TO INSTALL AS SHOWN.
- PLACE STONE SHELF ON HOOKS INSIDE HEATER ASSEMBLY.



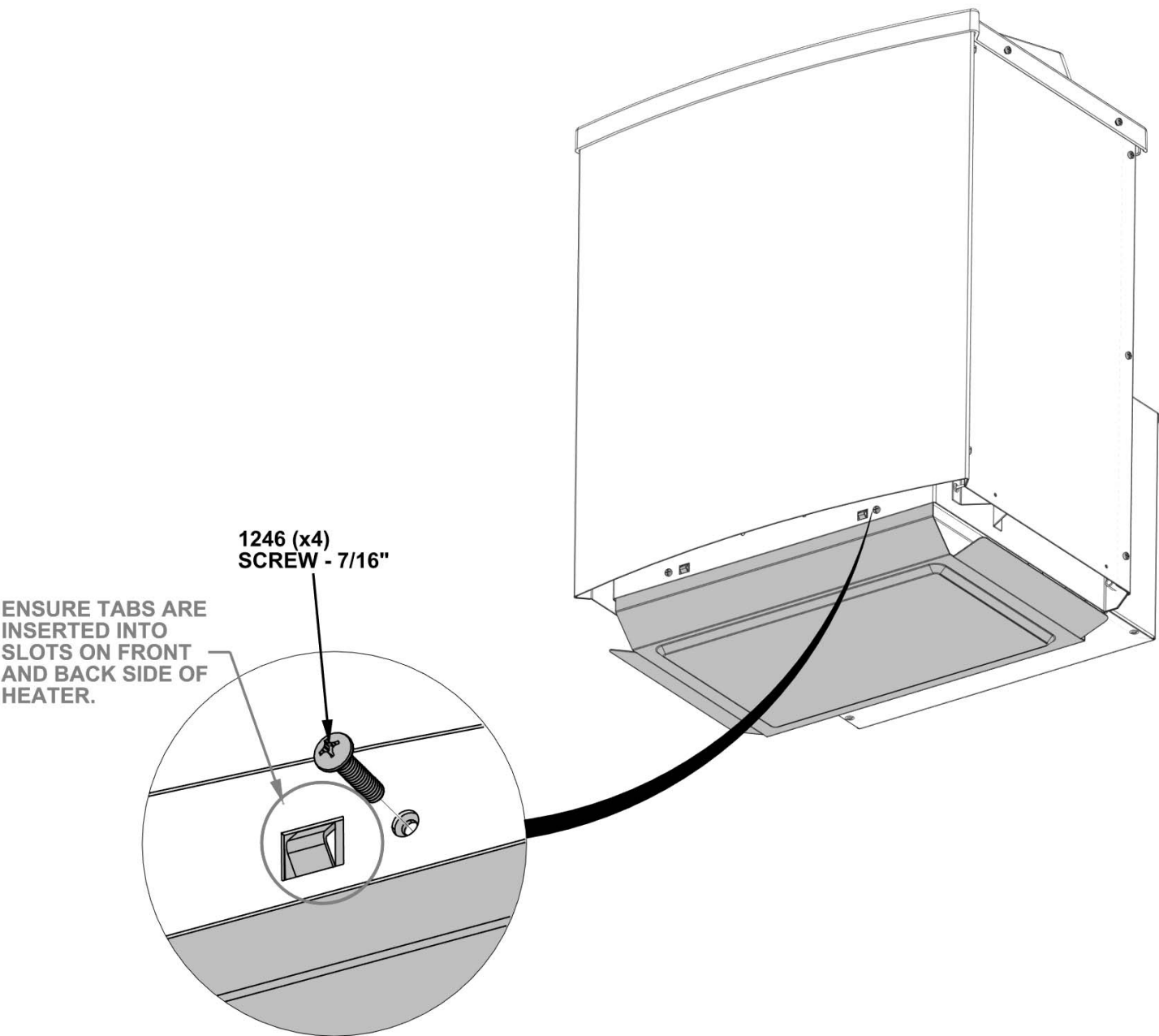
STEP 2 - HEATER ASSEMBLY

QTY	PART NUMBER	DESCRIPTION
4	H101246	SCREW PWH #8x7/16 SS

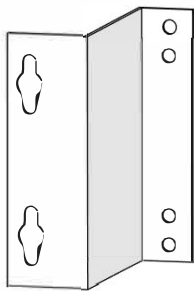


HEATER BOTTOM DEFLECTOR
(x1)

- ALIGN HEATER BOTTOM DEFLECTOR WITH HOLES IN HEATER.
- TO ENSURE PROPER ASSEMBLY, TABS MUST BE INSERTED INTO DESIGNATED SLOTS.
- FASTEN HARDWARE ON FRONT AND BACK SIDE OF HEATER.



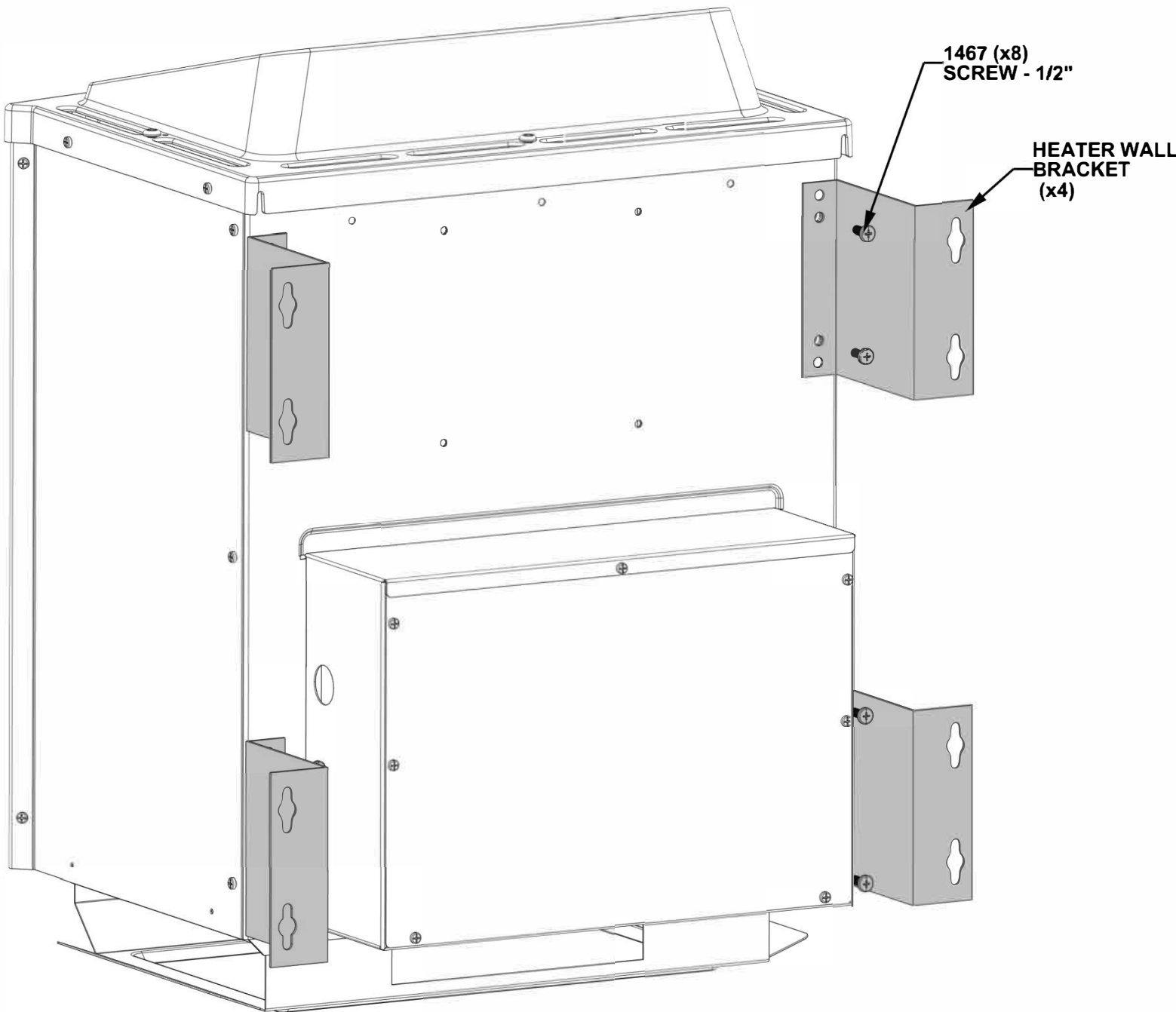
STEP 3 - HEATER ASSEMBLY



HEATER WALL BRACKET
(x1)

QTY	PART NUMBER	DESCRIPTION
8	H101467	SCREW PPH 8-32x1/2 SS

ALIGN HEATER WALL BRACKET WITH THREADED INSERTS AND ATTACH WITH HARDWARE PROVIDED.
NOTE ORIENTATION OF BRACKETS.

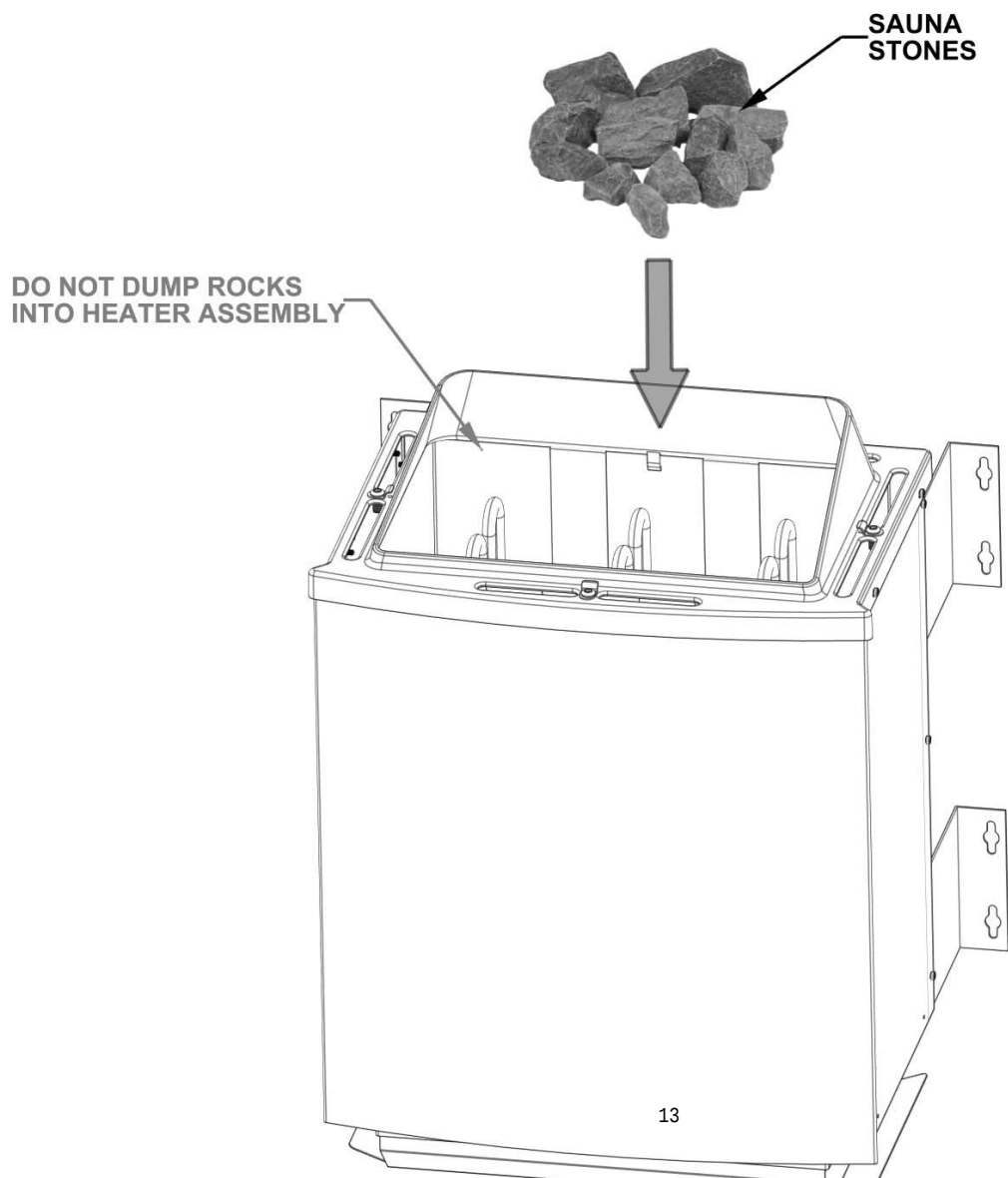


STEP 4 - HEATER ASSEMBLY



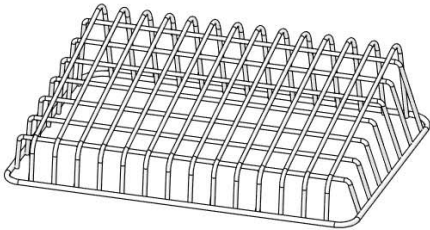
A6P01495 SAUNA STONES
(x1)

- IMPORTANT!!**
- REMOVE BLUE FILM.
 - RINSE STONES THOROUGHLY WITH CLEAN TAP WATER TO REMOVE ANY DUST OR DEBRIS.
 - PLACE STONES LOOSELY TO ENSURE PROPER AIR CIRCULATION.
 - REMOVE ANY STONES THAT ARE TOO SMALL.
 - USE SMALLER STONES AROUND HEATING ELEMENTS.
 - RESERVE LARGE STONES FOR PLACEMENT ON TOP OF THE HEATING ELEMENTS, COVERING THEM COMPLETELY.
 - INSERT PROVIDED SAUNA STONES INTO HEATER ASSEMBLY.
 - IT IS IMPORTANT THAT STONES ARE SET CAREFULLY IN HEATER TO AVOID DAMAGE TO HEATER OR ROCKS.
 - THE ROCK COMPARTMENT IS TO BE FILLED WITH ROCKS AND THAT THE HEATER SHOULD NOT BE OPERATED WITHOUT THE ROCKS IN PLACE.
 - THE RECOMMENDED VOLUME OF ROCKS IS APPROXIMATELY 25 LBS TO 27-1/2 LBS [11-1/2 KGS TO 12-1/2 KGS)



STEP 5 - HEATER ASSEMBLY

QTY	PART NUMBER	DESCRIPTION
4	H101466	SCREW PPH #8-32x6.5 SS

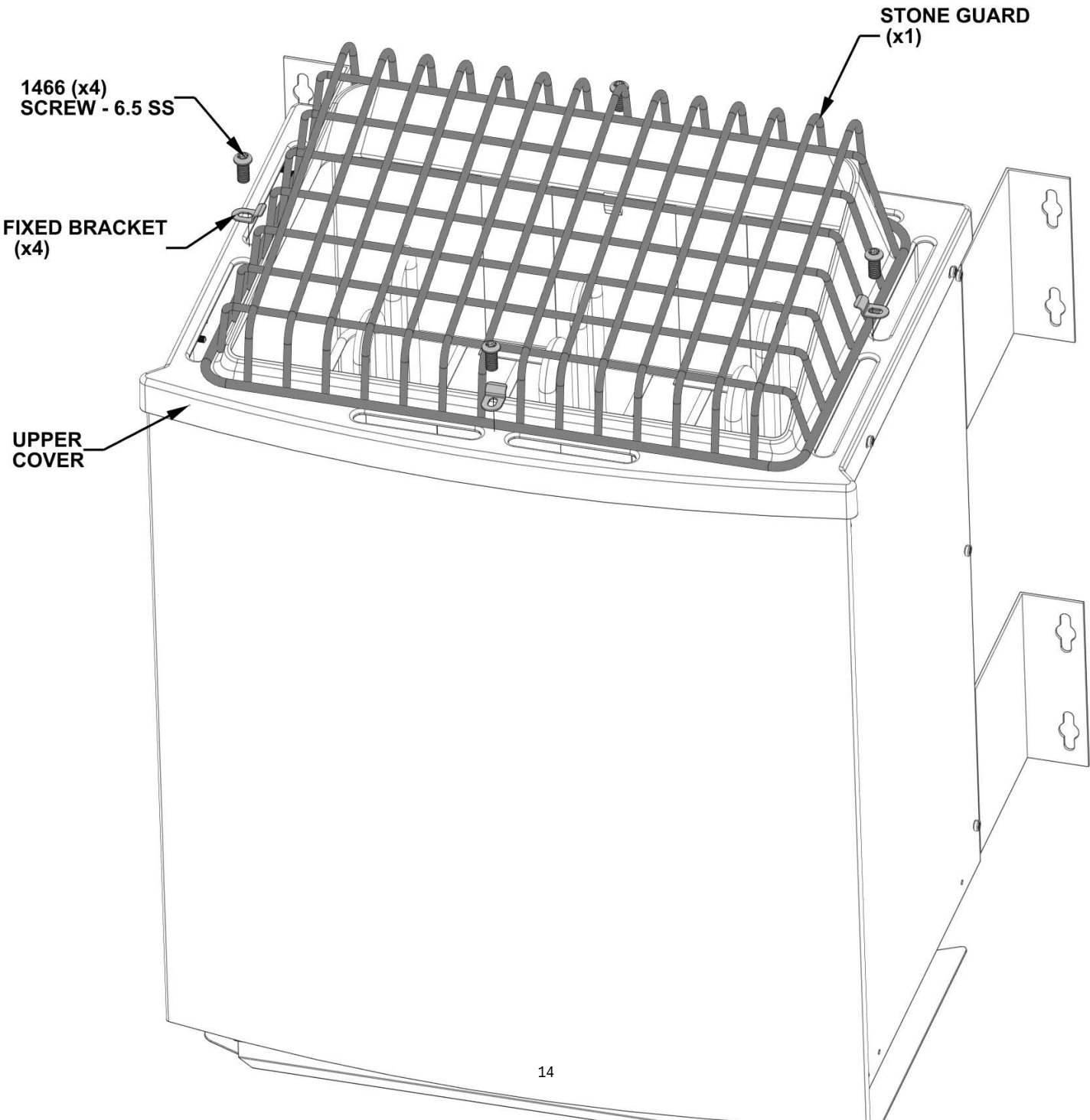


STONE GUARD
(x1)



FIXED BRACKET
(x4)

START WITH REMOVING HARDWARE. THEN INSTALL COMPONENTS AND REATTACH HARDWARE.
- ALIGN GUARD AND BRACKETS WITH HOLES IN HEATER ASSEMBLY. ATTACH WITH HARDWARE PROVIDED.



STEP 6 - HEATER ASSEMBLY

**WARNING/AVERTISSEMENT**

REDUCE THE RISK OF OVERHEATING
1.Exit immediately if uncomfortable, dizzy, or sleepy. Staying too long in a heated area is capable of causing overheating.
2. Supervise children at all times.
3. Check with a doctor before use if pregnant, in poor health, or under medical care.
4. Breathing heated air in conjunction with consumption of alcohol, drugs, or medication is capable of causing unconsciousness.
5. Caution: excessive exposure can be harmful to health. Persons with poor health should consult their physicians before using sauna.

REDUISEZ LE RISQUE D'HYPERTHERMIE
1. Sortez immédiatement si vous vous sentez inconfortable, étourdi ou somnolent. Un séjour prolongé dans une pièce chauffée peut causer l'hyperthermie.
2. Surveillez les enfants en tout temps.
3. Consultez un médecin avant d'utiliser le sauna si vous êtes enceinte, en mauvaise santé ou sous des soins médicaux.
4. La respiration d'air chaud, conjointement avec la consommation d'alcool, de drogues ou de médicaments, peut causer une perte de conscience.
5. Attention : une exposition excessive peut être nuisible à la santé. Les personnes qui ne jouissent pas d'une bonne santé devraient consulter leur médecin avant d'utiliser ce sauna.

OVERHEATING RISK LABEL
(x1)

**WARNING
AVERTISSEMENT**

- For Household Use Only.
- Disconnect All Supply Connections Before Servicing.
- Caution: Do Not Operate Without Rocks—Use Only Igneous Rocks. The Recommended Volume Of The Rocks Is 11.5kg ~ 12.5kg.
- Caution: Do Not Install Shower Heads Or Water Spray Devices Above The Sauna Heater.
- Caution: If The Manually Resettable Temperature-Limiting Control Trips Frequently, A Qualified Serviceman Shall Be Contacted.

- Pour une utilisation domestique uniquement.
- Débrancher tous les connexions d'alimentation avant de service.
- Attention : Ne Pas Faire Fonctionner Sans Pierres. N'utiliser Que Des Pierres Ignées. Le volume recommandé des roches est de 11,5 kg à 12,5 kg.
- Attention : Ne Pas Installer De Pannes De Douche Ni D'autres Dispositifs D'arrosage Au-Dessus Du Chauffe-Sauna.
- Attention : Si Le Limiteur De Température À Réarmement Manuel Se Déclenche Souvent, Appelez Un Réparateur Qualifié.

HOUSEHOLD USE ONLY LABEL
(x1)

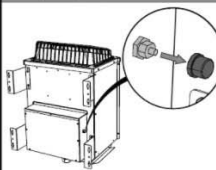
**WARNING
AVERTISSEMENT**

REDUCE THE RISK OF ELECTROCUTION AND BURNS
Do Not Operate Unless Guard Is In Place.

REDUIRE LES RISQUES D'ÉLECTROCUTION ET DE BRÛLURES
Ne pas opérer à moins que des garde-fous ne soient en Place.

ELECTROCUTION AND BURNS LABEL
(x1)

**CAUTION: HOW TO RESET THE HIGH TEMPERATURE PROTECTOR**



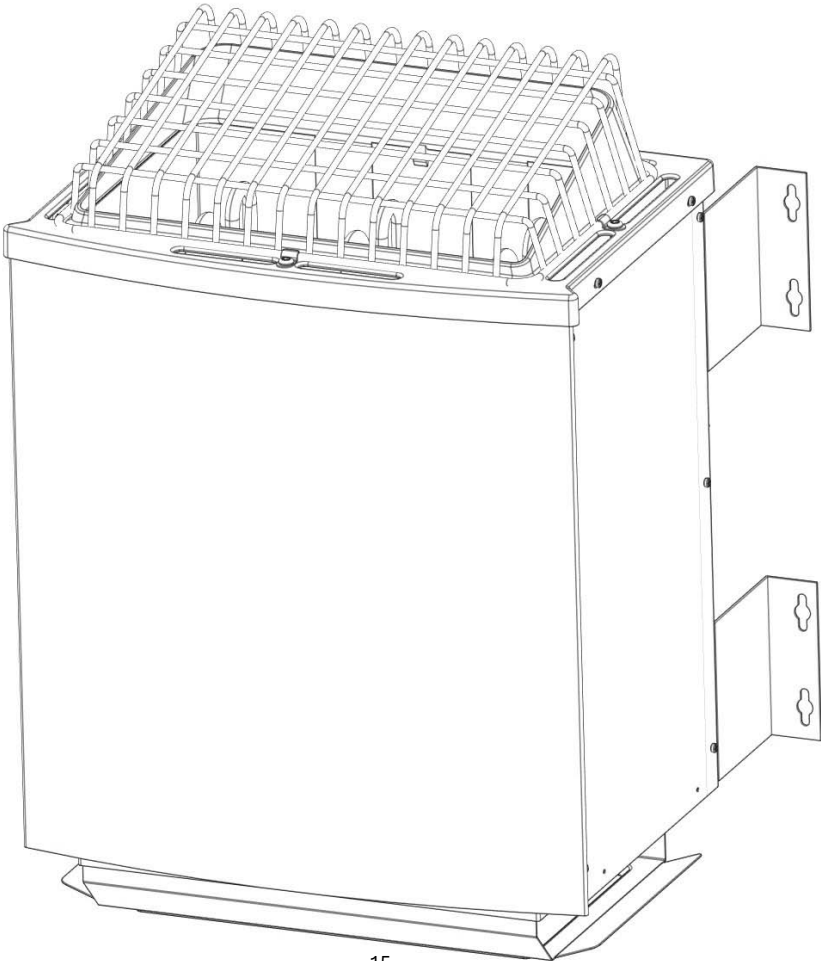
This thermostat is a high temperature protector. It will shut off the heater if the temperature is too high to safety.

1. Wait after the temperature cooling down a bit.
2. Turn the Black Plastic Cover anticlockwise to remove the Cover.
3. Push down the gray bottom.
4. Assembly the Black Plastic Cap back.

Reopen your Sauna Heater, it will resume heating.

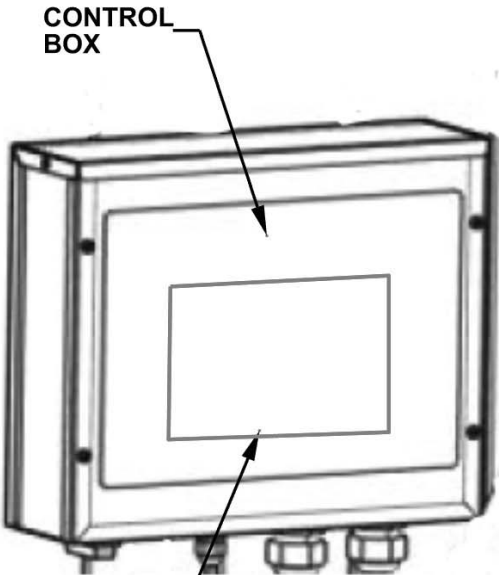
HIGH TEMPERATURE PROTECTOR RESET LABEL
(x1)

- ATTACH PROVIDED STICKERS ON THE WALL NEXT TO THE HEATER IN A VISIBLE LOCATION.

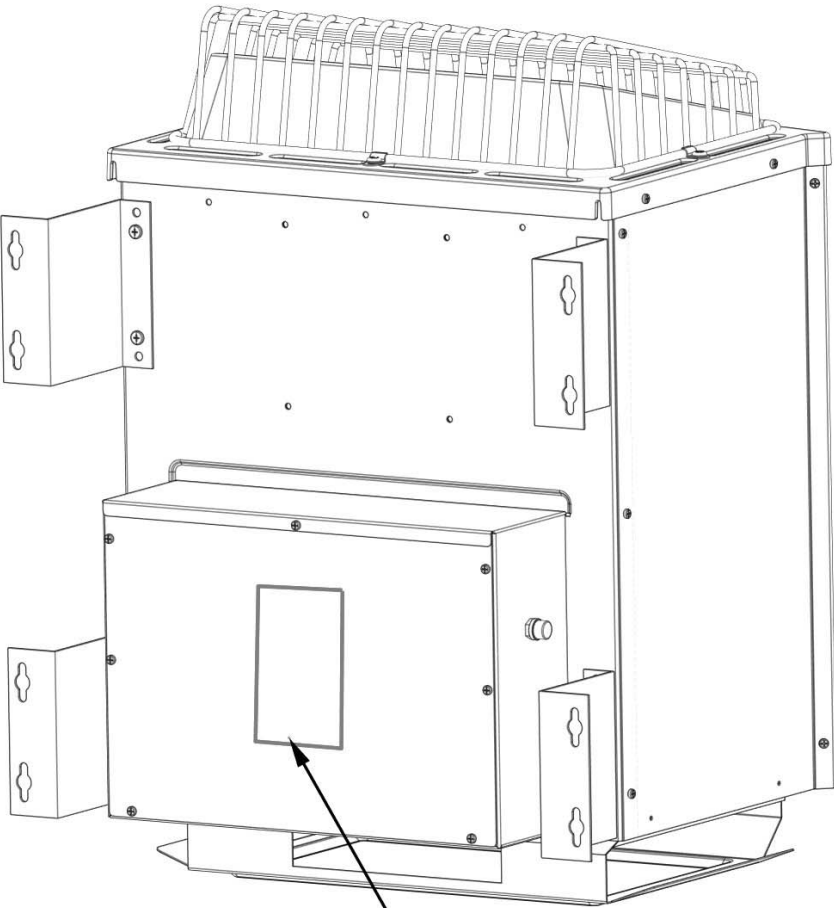


STEP 7 - HEATER ASSEMBLY

- BARREL SAUNA CIRCUIT DIAGRAM - ENG WILL BE LOCATED ON THE INSIDE OF THE CONTROL BOX.
- BARREL SAUNA CIRCUIT DIAGRAM - FR WILL BE LOCATED ON THE INSIDE WIRE PANEL OF HEATER.



BARREL SAUNA CIRCUIT
DIAGRAM - ENG WILL
BE LOCATED INSIDE
HEATER CONTROL
BOX



BARREL SAUNA CIRCUIT
DIAGRAM - FR WILL
BE LOCATED BEHIND
HEATER PANEL

COIN BATTERY WARNING

COIN BATTERY WARNING FOR LIGHT REMOTE

Warning: Contains Coin Battery

⚠ WARNING	
▪ INGESTION HAZARD: This product contains a button cell or coin battery. ▪ DEATH or serious injury can occur if ingested. ▪ A swallowed button cell or coin battery can cause Internal Chemical Burns in as little as 2 hours. ▪ KEEP new and used batteries OUT OF REACH of CHILDREN ▪ Seek immediate medical attention if a battery is suspected to be swallowed or inserted inside any part of the body.	

- 1) **Battery type:** CR2025.
- 2) Nominal voltage: 3V
- 3) Remove and immediately **recycle** or **dispose** of **used batteries** according to local regulations and keep away from children. Do NOT **dispose** of batteries in household trash or incinerate.
- 4) Even **used batteries** may cause **severe injury** or death.
- 5) Call a local **poison control center** for treatment information.
- 6) Non-rechargeable batteries are not to be recharged.
- 7) Do not force **discharge**, **recharge**, **disassemble**, **heat** or **incinerate**.
Doing so may result in injury due to venting, leakage or explosion resulting in chemical burns.
- 8) **Ensure** the batteries are **installed correctly** according to polarity (+ and -).
- 9) Do not mix old and new batteries, different brands or types of batteries, such as alkaline, carbon-zinc, or rechargeable batteries.
- 10) Remove and immediately **recycle** or **dispose** of batteries from equipment not used for an extended period of time according to local regulations.
- 11) **Always** completely **secure** the battery compartment. If the battery compartment does not close securely, stop using the product, remove the batteries, and keep them away from children.