

Part 8 PROBLEMS AND SOLUTIONS

Problems	Causes	Solutions
SPA pump does not operate	GFCI tripped GFCI broken Check power source	Power failure Reset GCFI/Check if cable is rated 2kW/13A Call for service if it doesn't reset
SPA pump does not heat properly	Temperature is set too low Filter cartridge is dirty Water level is too low Heating element failed	Set to a higher temperature Clean/replace the filter cartridge Add more water to min. water level Call for service
Jet massage system does not work	Pump is too hot 30-minute auto shut off feature is activated Something is wrong with the Control Panel	Turn off power. When the pump has cooled, reset the GCFI and press the Jet Massage button to activate. Press the Jet Massage button to reactivate Call for service if it does not reset
Water filtration is not working	Dirty filter cartridge Inlet and/or outlet blocked Air lock Something is wrong with the Control Panel	Clean/replace the filter cartridge Clean the inlet and outlet Release the air as outlined on page 8 Call for service if it does not reset
Pump leaking	Adapter seal improperly located Water leakage from pump body	Replace the seal in the right position Check the pump body, call for service
Spa leaking	Spa is torn or punctured	Use provided repair patch per instructions on page 9
Water is not clean	Insufficient filtering time Dirty filter cartridge Bad water used to fill spa Improper chemical treatment	Do filtration longer and frequently clean/replace the cartridge filter Change the spa water completely Refer to the chemical manufacturer's instructions



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NP5805

Grand Oasis

Spas that free your mind.



110-115V 60Hz 1400W

Read this manual before operating

IMPORTANT SAFETY INSTRUCTIONS - READ AND FOLLOW ALL SAFETY INSTRUCTIONS

When installing and using this electrical equipment, basic safety precautions should always be followed;

WARNING: The Spa has been supplied with a residual operating current not exceeding 30 mA. The GFCI must be tested before each use.

WARNING: No part of the appliance is to be located above the spa during use.

WARNING: This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capability.

WARNING: TO AVOID ELECTRIC SHOCK, DO NOT USE THE SPA WHEN IT IS RAINING.

WARNING: Children should be supervised at all times around the appliance.

WARNING: If the supply cord is damaged, it must be replaced by the manufacturer, its service agent or similarly qualified persons in order to avoid a hazard.

WARNING: To reduce the risk of electric shock, do not use an extension cord to connect unit to the electrical supply; use a properly located outlet.

WARNING: Make sure the home fixed connection box is more than 3.5m away from the spa.

WARNING: RISK OF ELECTRIC SHOCK. DO NOT BURY CORD. Ensure the electrical cord is located away from lawn mowers, hedge trimmers, and other equipment. To reduce the risk of electric shock, replace damaged cord immediately.

WARNING: Electric installations should fulfill the requirements of local standards. Appliance live parts, except parts supplied with safety-low voltage not exceeding 12 V, must be inaccessible to a person in the spa.

WARNING: Parts incorporating electrical components, except remote control devices, must be located or fixed so that they cannot fall into the spa.

WARNING: Do not switch on if there is any possibility that the water in the spa is frozen.

DANGER: Risk of Electric Shock. Install at least 5 feet (1.5 m) from all metal surfaces.

DANGER: Risk of Electric Shock. Do not permit any electrical appliances, such as a light, telephone, radio, or television, within 5 feet (1.5 m) of a spa.

DANGER: Risk of Accidental Drowning. Extreme caution must be exercised to prevent unauthorized access by children. To avoid accidents, ensure that children cannot use this spa unless they are supervised at all times.

DANGER: Never operate spa if the suction fittings are broken or missing. Never replace a suction fitting.

CAUTION: Always consult your doctor before

- The use of alcohol, drugs, or medication before or during spa use may lead to unconsciousness with the possibility of drowning.
- Obese persons and people with a history of heart disease, low or high blood pressure, circulatory system problems, or diabetes should consult a physician before using a spa.
- Persons using medication should consult a physician before using a spa since some medication may induce drowsiness while other medication may affect heart rate, blood pressure, and circulation.
- Pregnant or possibly pregnant women should consult doctor before using spa.

CAUTION: Always enter and exit the spa slowly and cautiously. Wet areas around the spa can be slippery.

CAUTION: In order to avoid a heater cut out and loss of operation, this appliance must NOT be supplied through an external switching device, such as a timer, or connected to a circuit that is regularly switched on and off by the utility.

CAUTION: Check with a doctor before use if pregnant, diabetic in poor health, or under medical care.

CAUTION: Do not use the spa immediately following strenuous exercise.

CAUTION: Do not add chemicals in the water freely, because chemical reaction may impact safety of the user or damage the spa.

NOTE: Do not run the pump more than 8 hours per day after the temperature reaches your set point.

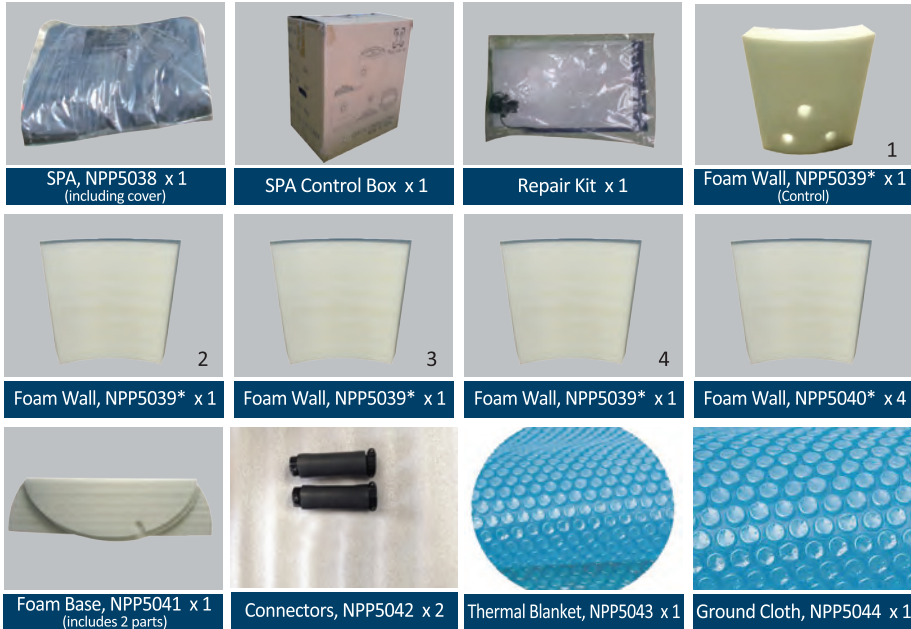


Part I PACKAGE LIST

Note: Ensure that all parts are present:

SPA Box Contents:

For replacement parts
please call 800-759-0977

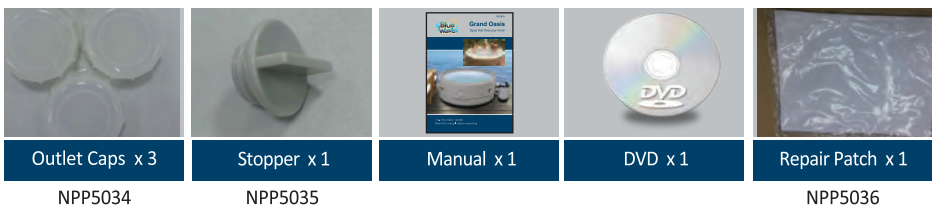


*Foam Walls NPP 5039 & NPP5040 packed as 4 panel sets

SPA Control Box Contents:



Accessory Kit Contents:

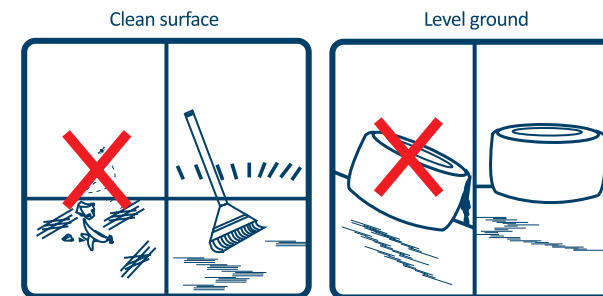


Part 2 SPECIFICATIONS

Item#	NP5805
Seating Capacity	4 Adult + 2 Kids
Spa Dimension (inner)	63" x 29" (160cm x 74cm)
SPA Dimension (outer - including lid)	72" x 39" (184cm x 97cm)
Water Capacity	220 GAL (1000L)
Voltage	110 - 115 V 60 Hz
Heater	1320W
Massage Jet Pump	500W
Filter Pump	30W
Max. Heat Temperature	39°C/103F
SPA Lid Material	Polyester Laminated PVC + Artificial Leather
Liner	Polyester Laminated PVC
Net Weight	72kg/159lb
Gross Weight	76kg/168lb
Package Dimension	26 x 21 x 23 / 43 x 31 x 30 inches 65.5x54.5x58cm / 109.5x79.5x75.5cm
Test Certificate (Pump only)	CE/GS/CETL/ETL
Heating efficiency (Ambient temperature is 20°C/68°F)	1.5-2°C (°F)/hr

Part 3 INSTALLATION

1. Site selection



A place with an area more than 8.2 sq. ft. (2.5 sq mtrs).
A place that can support more than 661lb/ft² (300 kg/m²).

2. GFCI Test and Inflate the Cover

a) GFCI Test

WARNING: RISK OF ELECTRIC SHOCK. The GFCI plug MUST be tested before each use.

Do not use if GFCI test fails.

Insert the plug into the power outlet.

Press the "RESET" button, the indicator light turns red.

Press the "TEST" button, the indicator light turns off.

Press the "RESET" button, the indicator light turns red the pump is ready to use.

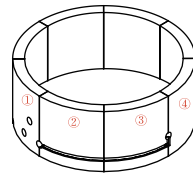


Fig. 1

b) Inflate the Cover

Connect the inflation hose to the adapter on pump.

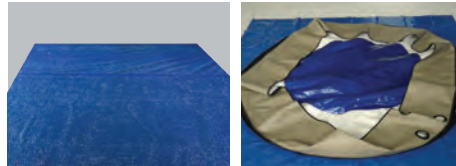
Press the Massage button to inflate the cover lid.



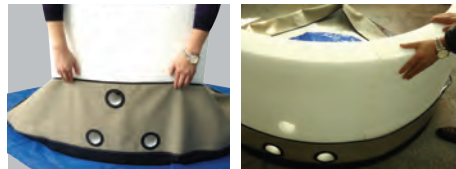
3. SPA Assembly

1) Take the ground cloth and position it where the footprint of the spa will be.

Take the bottom of the liner and position it on the ground cloth.



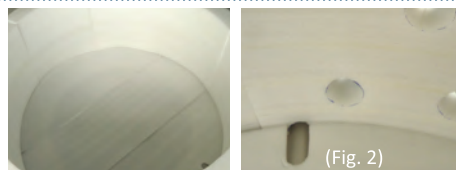
2) Take the control unit foam wall, with the three hole cut outs, and align with the three holes in the bottom half of the liner. Continue to add foam walls until you complete the spa. Ensure the three holes of the control unit foam wall don't move out of place. Note the position of foam pieces 2, 3 & 4, with the hose cut outs, that go to the right of the control unit foam as shown in Fig. 1 above.



3) Gripping the foams on both sides and giving it a small wiggle can help loosen it to get it in if it gets stuck.



4) Place the two pieces of foam base together to make a circle and position them into the bottom of the liner. Make sure the cut out for the drain (Fig. 2) is placed to the left of the three holes by the drain hose location.



(Fig. 2)

5) Insert the body of the top liner into the center of the SPA making sure the holes of the control unit foam fit into the holes of the liner and the drain hose goes through the hole in the bottom of the liner.



6) There is a clear water line attached to the liner that needs to fit into the cut outs on the outside of the foam pieces. In order to accomplish this, you need to disconnect one end of the hose, feed it out through the foam hole, back in through the other hole, and reconnect to the fitting.



7) Insert the three pipes into the three matching holes. These will attach to the control unit. The drain hose will come through the bottom of the liner as well (see Fig. 3).



(Fig. 3)

8) Pull the top liner over the top of the foam and pull down to meet bottom liner. Zip the bottom and the top liners together.



9) Walk around the SPA and pull the whole liner over the Cabinet foams, use your hands to pat out any pockets of air to spread out the liner completely.



4. Connect the Control Unit to the SPA

Position the pump next to the SPA, remove the inflation hose and align the connection hoses of pump to the spa. Please check that the hoses have 'O' ring gaskets to ensure a water tight fit. DO NOT over tighten.



5. Install the Filter Cartridge

Open the cartridge lid counter-clockwise. Then put the new filter cartridge into the pump and close the cartridge lid clockwise.



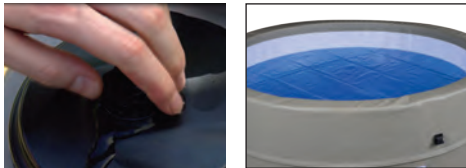
6. Fill with Water

Check the stopper on the bottom of the spa and the drain cap, make sure both of them are tight. Fill the spa with water using a garden hose until reaching water level printed on the spa inner wall.



7. Release Air in the Pump

Before you use the heating and filtering functions of the pump, the air in the pump must be released. Unscrew the air valve counter-clockwise, release air until water is coming out, then screw the air valve clockwise to tighten. Use a towel to wipe any water off the pump.



Use the thermal blanket on top of the water when heating to increase the efficiency of the heater.

Part 4 USAGE

Press the temperature setting button to set an appropriate temperature. Press the heating button to heat the water. Cover the SPA with the lid while heating. When the water reaches the set temperature, you're ready to enjoy your SPA. Press the jet massage button to activate massage system.

We suggest that the appropriate temperature is around 37-39°C/98-103°F. The massage system will stop automatically after 30 minutes of operation to reduce energy consumption. Re-activate the jet massage function by pressing the jet massage button again. See Part 7 for Control Functions.

Locking the Buckles on the Spa Lid Cover

Press the sides of the top buckle together and insert into bottom buckle to lock the buckle. Press the sides of the top buckle together and lift up to unlock the buckle. Use strap to adjust tightness.



CLEANING/REPLACING FILTER CARTRIDGE

WARNING: RISK OF ELECTRIC SHOCK. Unplug the pump before beginning SPA maintenance.

Note: dirty filter cartridge may contaminate the spa water and cause damage to the heating function.

1. Threaded outlet caps onto the inlet and outlet on the spa inner wall.
2. Unscrew the filter housing lid by turning it counter-clockwise. Take out the filter cartridge.
3. Rinse off the filter with a stream of water, or use filter cleaner per instructions, and reuse it. If the filter cartridge remains dirty and discolored, the filter cartridge should be replaced.
4. Put back the cleaned filter cartridge into the cartridge housing. Close the lid by turning clockwise.
5. Remove the caps from inlet and outlet on the spa inner wall, allow the water to flow into pump.
6. Repeat previously outlined steps: Do GFCI test, release air in the pump, and operate pump as needed.



Part 5 WATER MAINTENANCE

The quality of the water inside your hot tub can be harmful to your health if it isn't properly taken care of. The filter cartridge should be cleaned weekly and replaced when needed depending on use. Change water once a month or more, depending on use, and use appropriate spa chemicals. Please pay attention to the chemicals used and dosage. SPA damage resulting from misuse of chemicals is not covered by the warranty.

1. Water Balance

We recommend you maintain your water balance: PH value: 7.2 - 7.6; Free chlorine: 2ppm - 3ppm. Purchase a test kit to test your spa water before each use, or at least once per week.

2. Water Sanitation

We suggest to use Chlorine granular or Chlorine/Bromine tablets to disinfect the spa's water (Chemical floater should be purchased separately). Never put tablets directly on the spa liner.

3. Cleaning the SPA

Clean the SPA with soap and water, then rinse thoroughly. Leave it outside (away from direct sunlight) to dry.

4. REPAIRS: Little holes or punctures can be repaired with the repair kit that comes with your SPA.

How to fix a leak in the SPA liner:

1. Thoroughly clean the area surrounding the leak. Cut a piece of repair material in a round shape larger than the damaged area.
2. Apply adhesive to the underside of the patch and around the area to be repaired completely coating the affected area with a light layer of glue.
3. Put the patch on the damaged area and press down firmly for 2 - 5 minutes. Allow 12 hours for the repair to dry. After the patch has dried, apply glue around the edges for a complete seal (let dry 4 hours).



Part 6 DRAINAGE AND STORAGE

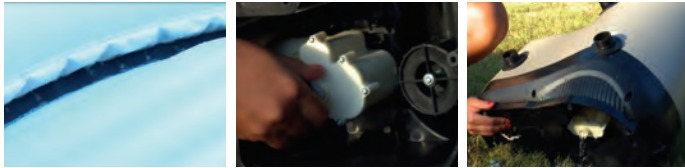
1. Drainage System

Locate the stopper and drain cap on the bottom of the SPA. Remove both and completely drain all water from the SPA.



2. Dry the Spa and Control Unit

After a GFCI test, press the jet massage button to blow out the water inside the jet holes. Unplug the pump, remove the filter cartridge from the control box and dry the pump by draining all water from pump body and pipes. Open the drain valve on the bottom of pump, let the water flow out and refasten the drain valve.



3. Storage

Use a towel to wipe off the SPA, then let air dry for 24 hours. Unscrew the air valve on both the SPA and lid. When the SPA and lid have been completely deflated, gently fold them for storage. It is recommended that you store the SPA in its original package in a warm dry place.



PORTABLE SPA WARRANTY

1. This spa has a 2-Year Warranty against defects in materials and workmanship.
2. Please notify Blue Wave Products in advance of any spa warranty claim prior to shipping the spa back. Contact our warranty claim department at warranty@splashnetxpress.com.
3. If the warranty claim department determines that the item must be returned, it must be returned with a receipt showing date of purchase, purchase price, and the dealer from which the spa was purchased. No warranty claim will be honored without a receipt.
4. The freight on the item when returned must be prepaid.
5. Warranty claims will only be resolved with the repair of the current product or shipment of a replacement product. NO REFUNDS will be given.
6. Improper installation, misuse or damages resulting from acts of nature will render this warranty null and void. Note additional examples of misuse and abuse on page 12.
7. This warranty is in lieu of all other warranties expressed or implied and no responsibility is assumed for future damage due to misuse. We are not responsible for damage to the sauna due to improper installation or misuse. Additional actions that will void the warranty are listed on Page 12 and are considered as part of this warranty.

Part 7 CONTROL UNIT FUNCTION



FUNCTIONS OF SPA PUMP

- LED Display: Once powered-up the LED display (F) will show the current water temperature automatically.
- 'Temperature Adjustment' buttons (A & B): Increase (A), Decrease (B). Pressing one of the temperature adjustment buttons will cause the LED Display to flash. When it is flashing, you can set the desired temperature. The value will increase or decrease by 1°C/1°F each time you press the button. If you hold the button for 2 seconds, the values will increase/decrease rapidly.
- Temperature Adjustment Ranges: Celsius mode: 30°C - 39°C / Fahrenheit mode: 86°F - 103°F. To lock the Control unit, press (A) + (B) at the same time and hold them for 3 seconds. When the spa is left unattended you can lock the Control Unit to avoid having the settings changed. Unlock the Control Unit by pressing (A) + (B) at the same time and hold for 3 seconds again.
- 'Temperature Mode' button (G): Press this button to change from Celsius to Fahrenheit.
- 'Jet Massage' button (C): Activates jets. Press this button to activate the massage system, the green indicator light turns on. It can be turned off by pressing it again.

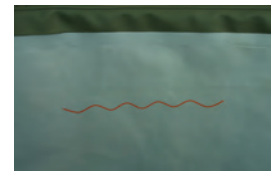
NOTE:

- a) The massage system will stop automatically after 30 minutes of operation. Re-activate the jet function by pressing the jet button again.
- b) When the Filter mode is on, pressing the Jet Massage button (C) will cause the Filter mode to turn off and the Jet Massage mode to turn on.
- c) Heating and jet function cannot be activated at the same time. When heating system is working, pressing (C) will change heating mode into jet mode: heating and filtering are shut down, jet system will be activated. If you press (C) again, heating and filtering mode will re-start.
- d) Pressing Filter button (D) activates Filter System. This button turns the pump on and off. The green indicator light will turn on when the filtration system is activated.
Note: When heating and filter functions are working at the same time, pressing (D) will shut down heating and filtering together. When (C) is on, filter and heating cannot be activated, therefore (C) should be shut down first.
- e) Pressing the Heat button (E) activates the heating and filtering system at the same time. The green Filter light and red Heat light will be activated at the same time. The pump does not stop heating until the current water temperature reaches the set temperature indicated by the 'blinking' red light.
- f) When you press the Blower button (C) the Circulation Pump and the heater will stop, as a consequence the temperature on the display decreases (due to no flow of water between the control unit and the spa). To regain heat turn the blower button (C) off and press the heat button (E), the Circulation Pump will restart and the temperature will increase or the heating mode will restart automatically after the water temperature drops 1°C/1°F (approx.) below the set temperature. Max. heat temperature: 39°C (103°F).

Allow 24-48 hours to heat up your spa.

CODE	Situation	Problem	Causes	Solutions
E1	Not heating properly	Wrong temperature control sensor	Temperature control sensor short circuit or open circuit	Need qualified electrician
E2	Not heating properly	Wrong temperature control sensor	Temperature control sensor short circuit or open circuit	Need qualified electrician
E3	Not heating properly	High water temperature indicator	Spa water is over 45°C (113°F)	Cut off the power and make sure the spa water is between 2°C - 44°C (36°F - 111°F) If this doesn't solve the problem, call for service.
E4	All functions do not work, buzzer warning	Low water temperature indicator	Spa water is lower than 2°C (36°F)	Cut off the power and make sure the spa water is between 2°C - 44°C (36°F - 111°F) If this doesn't solve the problem, call for service.
E5	All functions do not work, buzzer warning	High water temperature indicator	Spa water is over 50°C (122°F)	Cut off the power and contact qualified electrician to reset the thermal cutout. If this doesn't solve the problem, call for service.
E6	Not heating and filtering properly, buzzer warning	Water pressure is not great enough to activate heating	<ul style="list-style-type: none"> Inlet or outlet on inner wall is blocked Filter cartridge is too dirty Spa water does not reach minimum water level Air-lock in pump 	<ul style="list-style-type: none"> Clean inlet or outlet Clean or replace filter cartridge Add water to reach required water level Do air release as outlined on pg. 8. If this doesn't solve the problem, call for service.
E7	All functions do not work, buzzer warning	Dry-run heater	Heater on with no water, system shut down automatically	Need qualified electrician

If you experience any problem, do not hesitate to contact your local dealer or our after sales service. Any defect or damage caused by installation, alteration or repair by anyone who is not an authorized service technician is not covered by the Warranty. This Warranty becomes void if the spa has been subjected to misuse, abuse, alteration or attempted alteration, repairs or attempted repairs by anyone other than an authorized service technician, improper installation, improper water chemistry, improper maintenance, acts of god, or damage caused beyond the control of Blue Wave Products. Misuse and abuse shall include any operation of the spa other than as directed in this manual. Examples of misuse and abuse include, without limitation: Damage of the spa vinyl bladder caused by leaving the spa uncovered while the spa is empty or not in use. Damage to the spa surface caused by contact with unapproved cleaners or solvents. Damage caused by unapproved sanitizers such as calcium hypochlorite, tri-chlor type chlorine or any sanitizing chemical that may remain undissolved on the spa vinyl surface.



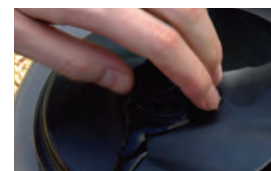
CHECK 1

Check water level, fill the spa up to the water line, and see if this resolves the pump's malfunctioning.



CHECK 2

Make sure the transparent Outlet Covers have been removed before turning on the pump.



CHECK 3

If pump makes a grinding noise, bleed the air out of the pump by unscrewing the air purge valve till water shows up and re-tighten. Check if this resolves the pump's malfunctioning.



CHECK 4

Check the inlet and outlet of the spa, clean and remove any obstructions detected and see if this resolves the pump's malfunctioning.



CHECK 5

Check the filter - if it is dirty or scaled, wash or replace the filter and see if this resolves the pump's malfunctioning. Make sure the filter size is appropriate and it is not too dense.



CHECK 6

Check the connection hoses, making sure that they are not kinked or bent and that both the spa and the pump are set on the same level surface. If you still cannot solve the problem, please contact customer service at 800-759-0977.

RESET PROCEDURE FOR CONTROL UNIT

- Locate the small hole marked "reset" on the bottom of pump. Then, insert a small probe (It should be less than 0.9cm in length) into the hole, press down, you'll hear a "ping", the reset is successful, then, reconnect pump with spa. Make sure to remove the outlet covers and repeat the previous steps to use your SPA.