

POWER INSTALLATION INSTRUCTIONS continued

Permanently connected installation instructions

Electrical installation should be performed by a qualified licensed electrician.

1. Remove cabinet service panel. The panel is secured with pan head Phillips screws.
2. Remove system controller cover.
3. If spa was manufactured with a cord.
 - a. Disconnect cord wires from terminal TB1 and ground wire from ground bar.
 - b. Loosen cord strain relief.
 - c. Remove cord.
 - d. Remove strain relief.
4. Drill hole for conduit through bottom or side of spa.

5. Secure conduit at system controller box.
6. Connect hot and neutral wires to corresponding terminals TB1. Connect ground wire to grounding bar on the outside of box by running it through hole marked for ground wire.
7. Voltage selection for North American 60 Hz systems.
 - a. 120V installation. Attach jumper to J11 and J32. A jumper wire is supplied in a bag attached to the back or side of controller. Switch DIP switch A10 to on (up).
 - b. 240V installation. Remove J11 to J32 jumper if installed. Switch DIP switch A10 to off (down).
8. Attach system controller cover.
9. Attach cabinet service panel.

WARNING: DO NOT CONNECT POWER UNTIL TUB IS FILLED COMPLETELY WITH WATER!

POWER REQUIREMENTS

Your Hot Tub is designed to provide optimum performance when connected to the maximum electrical service. The listing below will show the various options and performance levels available on your hot tub.

A new GFCI must be used for your Hot Tub installation. Do not use an existing breaker (GFCI), as its condition is unknown.

	Escape, Escape R Sport, Crown II, Warrior XL, Amoré, Retreat	Omni, Cottage, Bella, Impulse, Impulse DP	Escape Premium, Escape Premium R, Crown XL, Rendezvous Royal
AMERICAS 60Hz	120v/240v	120v/240v	240v
Circuit Breaker	20A/50A	15A/50A	50A
Number of Wires	3/4	3/4	4

Escape, Sport,
Crown II, Impulse,
Crown XL

Escape Premium,
Escape Premium R,
Rendezvous Royal

EUROPE 50Hz	230v	230v
Circuit Breaker	16A	32A
Number of Wires	3	3

On all systems, your Hot Tub must be connected to a dedicated circuit breaker that is not shared with any other equipment.

DO NOT USE EXTENSION CORDS OF ANY KIND.

START-UP INSTRUCTIONS

1. Clean tub of all debris.
2. Use a garden hose to fill your hot tub through the empty filter canister (to avoid air pockets during filling) to the appropriate level of a minimum 2 inches (5.08cm) over the filter skimmer.
3. **DO NOT USE WATER THROUGH A WATER SOFTENER.**
4. Locate the shut-off T-valves. Make sure they are in the up or open position. (See page 7)
5. Check heater and pump unions. Occasionally during shipping these become loosened. A simple tightening of these (if necessary) will do, being careful not to over tighten. (See page 7)
6. Once water has reached correct level, turn power on to the hot tub.
7. To activate jets and to purge air from the pump, press/push jet button located on the top side control. A second press/push

will put the pump on high speed. Repeat this process until water flows from the jets. When the jets are working, set the pump to low speed. (See page 9 or 10)

8. Some start-up chemicals will be needed; please see your dealer for recommendations.
9. Set the temperature located on the top side control (See page 9 or 10) to the desired setting. The heater will shut off when the water temperature reaches the set temperature.
10. Place the hot tub cover on tub. Keeping the cover on the hot tub when the tub is not in use will help minimize operating costs.
11. The time it will take for the water temperature to reach the desired setting will vary.

OPERATING INSTRUCTIONS

Whirlpool Diverter Jet(s):

Your hot tub (except Omni™) is equipped with at least one Whirlpool Diverter jet (2, 3, or 4 position), located on filter wall on most models. These jets when turned will divert water to different groups of jets. Each position is reached with a 90 degree turn of the whirlpool jet face. Always turn the collar of the diverter jet clockwise when possible. Remember, turning your diverter will affect the flow of water to different seat jets. Adjust to suit your personal needs.

Topside Control Pad:

Your hot tub is equipped with an electronic topside control pad. The topside control pad will allow you to control the speed of the pump, the light, and the temperature setting, as well as some programming options. Familiarize yourself with the topside control by viewing the Operation Guide at the back of this manual.



OPERATING INSTRUCTIONS continued

Air Control(s):

Your hot tub has at least one air control. This air control allows air to mix with the water that streams out of your jets. Each air control is responsible for a section of jets or a whirlpool diverter jet. In order for the air control to have any effect the jet(s) that it controls must be on and have water flow.

Deluxe L.E.D. Lighting System:

This L.E.D. Lighting System consists of individual light nodes that are in coordination with the L.E.D. light housed in the light lens within the vessel of the spa. The light varies in color and function by pressing the light button. To turn on the system simply press the light button once. To turn it off, repress the light button. To change the color or light function just press the light button once, press it one more time to shut it off and then after 3-5 seconds press it one more time. To turn it off, press it once more.

PERMASHELL[®], FILTER, COVER & CABINET CARE MAINTENANCE

Western Red Cedar

As with any wood product, maintaining the "new" look requires a consistent schedule of treating your cabinet with a quality CEDAR sealing product.

PermaWood[®] – Mahogany, Dark Teak, Pecan, Charcoal

Maintenance for PermaWood[®] is to use mild soap and water. Some strong household cleaners/solvents can cause damage/fading to the surface of the cabinet. All cleaners should be tested on an out-of-the-way section of cabinet before cleaning.

PermaShell[®]

PermaShell[®] cleans very easy because of its durable poly material. A spray cleaner that is low in "suds" and is applied then wiped off will most of the time be sufficient. With stubborn stains or marks, a "soft" scrub cleaner with very low abrasion (elements) will help when used with a non-abrasive cleaning pad.

Cover or Hot Tub Lid

See manufacturer's warranty and maintenance procedures. **When using a spa or hot tub "shock" water treatment, the cover must be removed for 30 minutes. Failure to remove cover may cause damage to cover.**

Filters

Periodic filter maintenance is required in order to maintain proper hot tub water quality and performance of equipment supplied with this hot tub. The manufacturer recommends cleaning your filters with high pressure water flow once a week. Once a month it is recommended that filters be soaked in a quality filter cleaning solution before high pressure spraying of the filter cartridge is applied. **It is important to follow all chemical manufacturers instructions.**

The use of any spa sanitizer with the exception of dichlor chlorine will negate your warranty.

WINTERIZING YOUR HOT TUB

While we feel that some of the best times to use your spa can be during the colder months, we understand that there can be a need for some owners to close their tubs during the winter months.

We feel that winterization should be left to the professionals, but if done carefully using the following instructions your risk of damage from freezing can be minimized. Please note, we do not warrant against freezing damage in a tub that has been winterized, either by the owner or by a professional service center.

THINGS THAT WILL BE NEEDED:

- 2 gallons of NON-TOXIC (R-V type) antifreeze
- a strong wet/dry vacuum (shop vac)
- a turkey-baster
- 1 or 2 light plastic bowls approximately 5" diameter
- TIME approx. 2 hours

INSTRUCTIONS:

1. Drain your tub.
2. With the wet-vac vacuum out any water remaining in the foot-well. Then with each jet in the open position, vacuum each jet nozzle until no more water comes out. **DO NOT FORGET** the small ozone jet in the foot-well.
3. With the vacuum over the whirlpool jet nozzle(s) and plastic bowls over the suction covers in the footwell, change it to

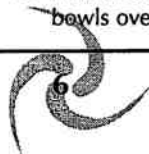
each diverter position until there is no more water being drawn out.

4. Remove your filter, clean it and place in storage until you restart your tub. Pour NON-TOXIC antifreeze into the filter canister until it runs out into the foot-well of your tub through the suction covers.
5. With the turkey-baster, squirt a small amount of NON-TOXIC antifreeze into each jet. Usually the side jets will take around one ounce, and the whirlpool jet(s) will take several ounces (about 5 squirts per whirlpool jet). **DO NOT FORGET** the small ozone jet that is located in the foot-well of your tub.
6. Place the cover on the tub, and place a tarp over the tub and cover. Making sure to securely tie down the tarp. The tarp will help reduce the amount of weather your tub is exposed to.

A COUPLE THINGS YOU SHOULD BE AWARE OF.

When a tub is drained and left empty, o-rings and pump seals can dry out and lose their ability to seal properly. You should closely inspect for small leaks in the equipment area when you do your restart. If you are unsure of the location of the o-rings and pump seal, contact your dealer for help. If replaced early the damage caused by these failures can be inexpensive to fix.

RE-START UP:



WINTERIZING YOUR HOT TUB continued

When restarting your tub, you will want to fill the tub and run all of the jets on high speed for 10-15 minutes. This will help flush the residue of the antifreeze out of the plumbing. Then drain the tub, clean the sides with an approved cleaner, place your filter back into the filter canister, re-fill your tub and balance your chemicals.

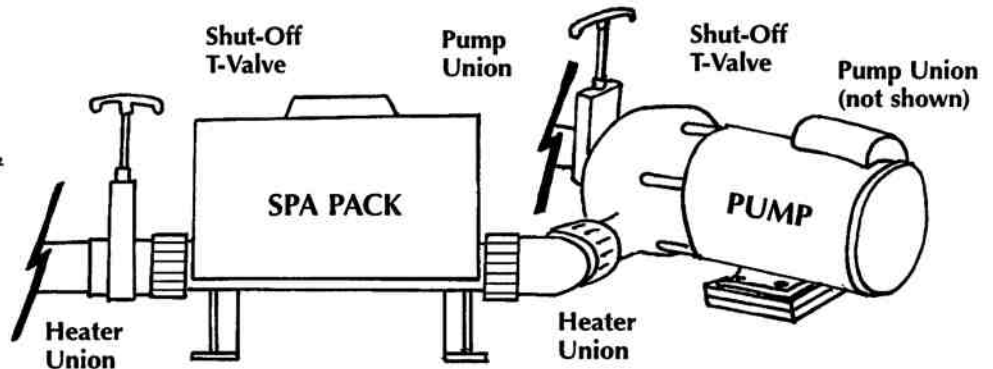
You may notice slightly more foaming than normal when you first start using your tub, this can be reduced with anti-foaming agents and generally gets better over the first week or two of usage as the filter removes the anti-freeze and organic residue left behind after

rinsing and cleaning.

Make sure you check your filter at least once per week and rinse it out as needed for the first few weeks. You may also find it necessary to soak your filter in a filter cleaner after a few days, depending on the level of contaminant left in the tub after the re-start.

ELECTRONIC PACKS & PUMPS

SPORT™, CROWN XL™,
CROWN II™,
WARRIOR XL™, ESCAPE™,
ESCAPE RECLINER™,
IMPULSE™, IMPULSE DP™,
AMORÉ™, BELLA™ &
RETREAT™
(1 PUMP)



ESCAPE PREMIUM™, ESCAPE PREMIUM RECLINER™
& RENDEZVOUS ROYAL™
(2 PUMPS)

