J-300™ Collection

Owner's Manual

Rev A

J-385™ J-335™

J-375™ J-325™

J-365™ J-315™

J-355™

J-345™

Attention New Spa Owner!

Congratulations on the purchase of your new Jacuzzi® spa! The following is a list of automated functions performed by your spa. These functions are listed below in an attempt to alleviate any operational concerns you may have during the first 24 hours of ownership! Also listed below are important maintenance recommendations you should observe on a regular basis to protect your new investment.

Automated Operations

Your new spa is equipped with an automated “clean-up” cycle that clears all plumbing lines daily to promote maximum water sanitation. Each day at 12:00 PM (noon), each pump will activate and run for one minute. If either pump has just finished a 20 minute time out, it will not automatically activate for the clean-up cycle.

Note: Turning off the corresponding jets pump that is running can deactivate the feature.

Maintain Healthy Spa Water

Always maintain your spa’s water chemistry within the following parameters:

	With CLEAR**RAY®**	**Without** CLEAR**RAY®**
pH	**7.4-7.6**	**7.4-7.6**
Free Chlorine	**no less than 1.0 ppm**	**3.0-4.0 ppm**
Free Bromine	**no less than 2.0 ppm**	**2.0-4.0 ppm**
Total Alkalinity	**100-150 ppm**	**100-150 ppm**
Calcium Hardness	**150-250 ppm**	**150-250 ppm**

IMPORTANT: CLEARRAY Active Oxygen™ system is factory installed. If the CLEARRAY Active Oxygen™ system is altered or is not operating efficiently then follow the “without CLEARRAY®” water chemistry parameters as defined by the Pool & Hot Tub Alliance. CLEARRAY® Unit requires an annual bulb replacement to operate properly.

⚠ **TO DECREASE RISK OF INFECTION OR DISEASE!** Always maintain your spas filter as outlined below to ensure healthy spa water. Refer page 45 “Water Quality Maintenance” for additional information.

Required Filter Maintenance

Your new spa is equipped with an advanced water filtration system that provides unsurpassed water quality! To ensure maximum water quality at all times, you should clean both filter cartridges every month, or earlier as necessary. See page 38 for detailed filter cartridge cleaning/replacement instructions.

Required Water Replacement

⚠ **TO DECREASE RISK OF INFECTION OR DISEASE!** You should replace the spa’s water every 3 months. The frequency depends on a number of variables including frequency of use, number of users, and attention paid to water quality maintenance. You will know it is time for a change when you cannot control sudsing and/or you can no longer get the normal feel or sparkle to the water, even though the key water balance measurements are all within the proper parameters. See page 45 for additional information.

Specifications and operations subject to change without notice.

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1.0 Important Spa Owner Information

Your Jacuzzi J-300™ Collection spa is constructed to the highest standards and is capable of providing many years of trouble-free use. However, because heat retentive materials are utilized to insulate the spa for efficient operation, an uncovered spa surface and wall fittings directly exposed to sunlight and high temperatures for an extended period are subject to permanent damage. Damage caused by exposing the spa to this abuse is not covered under warranty. We recommend that you always keep the spa full of water when it is exposed to direct sunlight and that you keep the Jacuzzi premium insulating cover in place at all times when the spa is not in use. Read and carefully follow the requirements for your spa's support base found in Section 4.0 titled, "Choosing A Location" (page 9).

Jacuzzi constantly strives to offer the finest spas available, therefore modifications and enhancements may be made which affect the specifications, illustrations and/or instructions contained herein.

2.0 FCC Notice

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:

1. Rearrange or relocate the receiving antenna.
2. Increase the separation between the equipment and receiver.
3. Connect the equipment into an outlet on a circuit different from the circuit connected.
4. Consult the dealer or an experienced radio/TV technician for help. Changes or modifications not expressly approved by the party responsible for FCC compliance could void the user's authority to operate this equipment.

3.0 Important Safety Instructions for all Spa Owners

READ AND FOLLOW ALL INSTRUCTIONS CAREFULLY!

This spa was manufactured to meet the standards and specifications outlined in the "Virginia Graeme Baker Pool and Spa Safety Act" (VGB Safety Act). When installing and using this spa, basic safety precautions should always be followed, including:

1. ⚠ **DANGER: RISK OF SEVERE INJURY OR DROWNING!**

- Extreme caution must be exercised to prevent unauthorized access by children.
- To avoid accidents, ensure that children do not use this spa unless supervised at all times. Adult supervision is a critical safety factor in preventing children from drowning.
- Use the straps and clip tie downs to secure the spa cover when not in use. This will help discourage unsupervised children from entering the spa. Keep the spa cover secure in high-wind conditions.
- There is no representation that the cover, clip tie-downs, or actual locks will prevent access to the spa.

2. ⚠ **DANGER: RISK OF SEVERE INJURY OR DROWNING!**

- Keep hair, loose articles of clothing or hanging jewelry away from suction fittings, rotating jets or other moving components to avoid entrapment that could lead to drowning or severe injury.
- Never use the spa unless all suction guards, filter, filter lid, or skimmer assembly are installed to prevent body and/or hair entrapment.
- Never operate or use the spa if the filter, filter lid, or skimmer assembly are broken or any part of the skimmer assembly is missing. Please contact your dealer or nearest service center for service.
- The suction fittings and suction covers in this spa are sized to match the specific water flow created by the pump(s). If it is necessary to replace the suction fittings, suction covers or pump(s), be sure that the flow rates are compatible and are in compliance with the VGB Safety Act.
- Never replace a suction fitting or suction cover with one rated less than the flow rate marked on the original suction fitting. Using improper suction fittings or suction covers can create a body or hair suction entrapment hazard that may lead to drowning or severe injury.

3. ⚠ **DANGER: RISK OF SEVERE INJURY FROM ELECTRIC SHOCK OR DEATH FROM ELECTROCUTION!**

- Install the spa at least 5 feet (1.5m), from all metal surfaces. As an alternative, a spa may be installed within 5 feet of metal surfaces if each metal surface is permanently connected (bonded) by a minimum No. 8 AWG (8.4 mm²) solid copper conductor attached to the wire connector on the grounding lug, inside the equipment compartment on the equipment box.

- A grounding wire connector is provided on this unit to connect a minimum No. 8 AWG (8.4 mm²) solid copper conductor between this unit and any metal equipment, metal enclosures of electrical equipment, metal water pipe, or conduit within 5 feet (1.5m) of the unit.
- Never permit any electrical appliance, such as a light, telephone, radio, television, etc. within 5 feet (1.5m) of a spa unless such appliances are built-in by the manufacturer.
- Never bring any electrical appliances into or near the spa.
- Never operate any electrical appliances from inside the spa or when you are wet.
- The electrical supply for this product must include a suitably rated switch or circuit breaker to open all ungrounded supply conductors to comply with article 422.20 of the National Electrical Code/USA, ANSI/NFPA 70. The disconnecting means must be readily accessible and visible to the spa occupant but installed at least 5 feet (1.5m), from the spa.
- The electrical circuit supplied for the hot tub must include a suitable ground fault circuit interrupter (GFCI) as required by NEC Article 680.42.

4. ⚠ **WARNING: RISK OF SEVERE INJURY OR DEATH!**

- Extreme caution must be exercised to prevent diving or jumping into the spa or slipping and falling, which could result in unconsciousness, drowning, or serious injury. Remember that wet surfaces can be very slippery.
- Never stand, walk or sit on the top railing of the spa.

5. ⚠ **WARNING: RISK OF HYPERTHERMIA (OVER-HEATING) CAUSING SEVERE INJURY, BURNS, WELTS OR DEATH!**

- Water temperature in excess of 104°F (40°C) may be injurious to your health.
- Refer to Section 3.2 Hyperthermia for specific causes and symptoms of this condition.
- The water in the spa should never exceed 104°F (40°C). Water temperatures between 100°F (38°C) and 104°F (40°C) are considered safe for a healthy adult.
- Lower water temperatures are recommended for young children (children are especially sensitive to hot water) and when spa use may exceed 10 minutes.
- The Consumer Products Safety Commission/USA has stated that the water temperature in a spa should not exceed 104°F (40°C).
- Always test the spa water temperature before entering the spa. The user should measure the water temperature with an accurate thermometer since the tolerance of water temperature-regulating devices may vary as much as +/- 5°F (2°C).

6. ⚠ **WARNING: RISK OF SEVERE INJURY OR DEATH!**

- Since excessive water temperatures have a high potential for causing fetal damage during the early months of pregnancy, if pregnant or possibly pregnant, consult your physician before using a spa.
- Pregnant or possibly pregnant women should limit spa water temperatures to 100°F (38°C).
- Persons suffering from obesity or a medical history of heart disease, low or high blood pressure, circulatory system problems, diabetes, infectious diseases or immune deficiency syndromes should consult a physician before using a spa.
- If you experience breathing difficulties in association with using or operating your spa, discontinue use and consult your physician.
- 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.
- Persons suffering from any condition requiring medical treatment, the elderly, or infants should consult with a physician before using a spa.
- The use of alcohol, drugs, or medication before or during spa use may lead to unconsciousness with the possibility of drowning.

7. ⚠ **WARNING: RISK OF SEVERE INJURY OR DEATH!**

- Prolonged immersion in a spa may be injurious to your health.
- Observe a reasonable time limit when using the spa. Exposures at higher temperatures can cause high body temperature (overheating). Symptoms may include dizziness, nausea, fainting, drowsiness, and reduced awareness. These effects could possibly result in drowning or serious injury.
- Never use a spa immediately following strenuous exercise. Enter and exit the spa slowly. Wet surfaces can be slippery.

8. ⚠ **WARNING: TO DECREASE RISK OF INFECTION OR DISEASE!**

- To reduce the risk of contracting a waterborne illness (e.g. an infection, bacteria or virus) and/or respiratory ailments, maintain water chemistry within the parameters listed on the inside cover of this manual and consult with a licensed engineer regarding proper ventilation if installed indoors or in an enclosed area.
- People with infectious diseases should not use a spa to avoid water contamination, which could result in spreading infections to others.
- Always shower before and after using your spa. Maintain water chemistry in accordance with manufacturer's instructions. Failure to do so may result in contracting a waterborne illness (e.g. an infection, bacteria or virus).

9. ⚠ **WARNING:** In addition to maintenance of filters and water chemistry, proper ventilation is recommended to reduce the risk of contracting a waterborne illness (e.g. an infection, bacteria or virus) and/or respiratory ailments that could be present in the air or water. Consult a licensed architect or building contractor to determine your specific needs if installing your hot tub indoors.

10. **CAUTION: TO DECREASE RISK OF PRODUCT DAMAGE.**
- Maintain water chemistry in accordance with manufacturer's instructions.
- Proper chemical maintenance of spa water is necessary to maintain safe water and prevent possible damage to spa components.

11. ⚠ **WARNING: RISK OF SEVERE INJURY OR DEATH!** The appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience or knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety.

12. **NOTE:** This spa is not intended nor designed to be used in a commercial or public application. The spa buyer shall determine whether there are any code restrictions on the use or installation of this spa since local code requirements vary from one locality to another.

Hot Tub Safety

To ensure you have a safe and enjoyable hot tub experience, learn all you can about hot tub safety and emergency procedures.

The Pool & Hot Tub Alliance has a great source of safety literature.
- Go to http://phta.org
- Conduct your own search on the internet
- Write to the following address:

Pool & Hot Tub Alliance
2111 Eisenhower Avenue
Alexandria VA 22314
703.838.0083

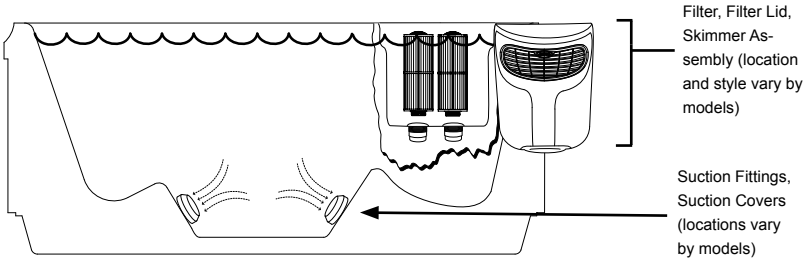
Proposition 65 (FOR CALIFORNIA RESIDENTS ONLY)

⚠ **WARNING:** Cancer and Reproductive Harm
www.p65Warnings.ca.gov

3.1 Entrapment Risk

The Consumer Products Safety Commission/USA has reported that users of pools and spas have become entrapped (stuck) to drain and/or suction fittings causing death, drowning, or serious injury (see diagram below). This spa was manufactured to meet the standards and specifications outlined in the “Virginia Graeme Baker Pool and Spa Safety Act” (VGB Safety Act). Entrapment risk can be minimized if proper precautions are taken.

> ⚠ **DANGER: RISK OF PERSONAL INJURY OR DEATH!**
> Never operate the spa if a suction fitting, suction cover, filter, filter lid or skimmer assembly are broken, damaged or missing.



Note: Suction covers must be replaced every 7 years.

1. ⚠ **DANGER: RISK OF SEVERE INJURY OR DROWNING!**
   Hair entrapment: May occur if hair is entangled, knotted or snagged in a drain suction or skimmer assembly. This has been reported in persons who when submerge themselves underwater, allowing hair to come close and/or within the reach of the suction fittings, suction covers or skimmer assembly.

- Keep hair away from suction fittings, suction covers, filter, filter lid or skimmer assembly.
- Children are at risk for hair entrapment if swimming under water.
- Never allow children to play or get near the suction fittings, suction covers, filter, filter lid or skimmer assembly.

2. ⚠ **DANGER: RISK OF SEVERE INJURY OR DROWNING!**
   Limb entrapment: May occur when a limb becomes entrapped, inserted or sucked into a suction or outlet opening.

- Always keep suction fittings, suction covers, filter, filter lid or skimmer assembly in place when operating to avoid limb entrapment.
- Never allow children to play or get near the suction fittings, suction covers, filter, filter lid or skimmer assembly.

3. ⚠ **DANGER: RISK OF SEVERE INJURY OR DROWNING!**
Body entrapment: May occur when part of the torso becomes entrapped, inserted or sucked into a suction or outlet opening.
- Never allow children to play or get near the suction fittings, suction covers, filter, filter lid or skimmer assembly.

4. ⚠ **DANGER: RISK OF SEVERE INJURY OR DROWNING!**
Evisceration (disembowelment) entrapment: May occur when the buttocks becomes entrapped, inserted or sucked into a suction or outlet opening.
- Never sit on suction fittings, suction covers, filter, filter lid or skimmer assembly.
- Never allow children to play or get near the suction fittings, suction covers, filter, filter lid or skimmer assembly.

5. ⚠ **DANGER: RISK OF SEVERE INJURY OR DROWNING!**
Mechanical entrapment: May occur when jewelry, swimsuit, or hair accessories become entangled, knotted or snagged in a drain suction or skimmer assembly.
- Never allow your jewelry, swimsuit, or hair accessories to come close to the suction fittings, suction covers or skimmer assembly.
- Never allow children to play or get near the suction fittings, suction covers, filter, filter lid or skimmer assembly.

3.2 Hyperthermia

Prolonged immersion in hot water may induce hyperthermia (overheating). The use of alcohol or drugs can greatly increase the risk of fatal hyperthermia in spas. A description of the causes, symptoms, and effects of hyperthermia are as follows:

Hyperthermia occurs when the internal temperature of the body reaches a level several degrees above the normal body temperature of 98.6°F (37°C). The symptoms of hyperthermia include drowsiness, lethargy (fatigue), and an increase in the internal temperature of the body (feeling of being too hot). The effects of hyperthermia include:

- Unawareness of impending hazard;
- Failure to perceive heat;
- Failure to recognize the need to exit spa;
- Physical inability to exit spa;
- Fetal damage in pregnant women; and
- Unconsciousness and DANGER of drowning.

A Warning Sign is provided in your warranty packet. Please install at a location near your spa, where it is visible to users of the spa. For additional or replacement Warning Signs please contact your local Jacuzzi dealer and reference item number #6530-082.

3.3 Important Additional Safety Instructions

When using this electrical equipment, basic safety precautions should always be followed, including the following:

1. **READ AND FOLLOW ALL INSTRUCTIONS.**
2. A green colored terminal or a terminal marked G, Gr, Ground, Grounding or the ⏚ symbol* is located inside the supply terminal box or compartment. To reduce the risk of electric shock, this terminal must be connected to the grounding means provided in the electric supply service panel with a continuous copper wire equivalent in size to the circuit conductors that supply this equipment (*IEC Publication 417, Symbol 5019).
3. At least two lugs marked “Bonding Lugs” are provided on the external surface or on the inside of the supply terminal box/ compartment. To reduce the risk of electric shock, connect the local common bonding grid in the area of the spa to these terminals with an insulated or bare copper conductor not smaller than No. 6 AWG (10 mm^2).
4. All field installed metal components such as rails, ladders, drains or other similar hardware within 10 feet (3m) of the spa shall be bonded to the equipment grounding buss with copper conductors not smaller than No. 6 AWG (10 mm^2).
5. **SAVE THESE INSTRUCTIONS.**

3.4 PRECAUTIONS-Important Chemical Safety

Do not use this device with bromide products.

3.5 PRECAUTIONS FOR USE OF PRODUCTS CONTAINING SODIUM BROMIDE

- Do not use any Product containing Sodium Bromide with an electrolysis device (for example, a chlorine generator).
- Do not use any Product containing Sodium Bromide with ozonation.
- Do not use any Product containing Sodium Bromide with ultraviolet (UV).

4.0 Choosing A Location

IMPORTANT: Because of the combined weight of the spa, water and users, it is extremely important that the base upon which the spa rests be smooth, flat, level and capable of uniformly supporting this weight, without shifting or settling, for the entire time the spa is in place. Visit www.Jacuzzi.com for information. If the spa is placed on a surface which does not meet these requirements, damage tov the skirt and/or the spa shell may result. Damage caused by improper support is not covered under warranty. It is the responsibility of the spa owner to assure the integrity of the support over time. We recommend a poured, reinforced concrete slab with a minimum thickness of 4 inches (10 cm). Wood decking is also acceptable provided it is constructed so that it meets the requirements outlined above.

WARNING: For spas that are to rest on balconies, roofs or other platforms not specifically tied into main structural support, consult a professional Structural Engineer with experience in this type of application.

WARNING: Proper drainage is required. The installation must not allow the spa equipment bay to become flooded or wetted (by external water). It is your responsibility, and the responsibility of any installation contractor you hire, to make sure that all applicable codes and/or local construction requirements are met. If in doubt, refer to the building authority responsible for approving the proposed installation site.

The spa must be installed in such a manner as to provide drainage away from it. Placing the spa in a depression without provisions for proper drainage could allow rain, overflow, leaks from spa plumbing, and other casual water to flood the equipment and create a wet condition in which it would sit in. For spas which will be installed below grade or recessed into a floor or deck, install so as to permit access to the equipment, either from above or below, for servicing. Make certain that there are no obstructions which would prevent removal of all side cabinet side panels and access to the jet components, especially on the side with the equipment bay.

CAUTION: If the spa is indoors or located in an enclosed area, proper ventilation should be discussed with an Engineer or authority competent enough to understand the necessary provisions needed to vent moist or heated air and air associated with chemical odors outdoors. **When the spa is in use considerable amounts of moisture will escape potentially causing mold and mildew.** This can cause health risk. Over time, this can damage certain surfaces, surroundings, and equipment.

4.1 Outdoor Location

In selecting the ideal outdoor location for your spa, we suggest that you take into consideration:

- The proximity to changing area and shelter (especially in colder weather).
- The pathway to and from your spa (this should be free of debris so that dirt and leaves are not easily tracked into the spa).
- The closeness to trees and shrubbery (remember that leaves and birds could create extra work in keeping the spa clean).
- A sheltered environment (less wind and weather exposure can result in lowered operation and maintenance costs).
- The overall enhancement of your environment. It is preferable not to place the spa under an unguttered roof overhang since run-off water will shorten the life expectancy of the spa cover.
- For spas that are to rest on balconies, roofs or other platforms not specifically tied into main structural support, consult a professional Structural Engineer with experience in this type of application.
- In the unlikely event that you should ever need to access or gain entry to any portion of the spa for servicing, it is highly recommended that you plan your outdoor installation to provide full access to the entire spa. Please take this into consideration when placing the spa in a deck or enclosed by a surrounding.
- Consider locating your spa away from any reflective surface or glass to prevent any damage to the synthetic skirt.
- Do not shim the spa. To ensure proper support the spa must sit flat on the intended foundation.

4.2 Indoor Location

For indoor installations many factors need to be considered before installing a spa indoors:

> ⚠ **WARNING:** In addition to maintenance of filters and water chemistry, proper ventilation is recommended to reduce the risk of contracting a waterborne illness (e.g. an infection, bacteria or virus) and/or respiratory ailments that could be present in the air or water. Consult a licensed architect or building contractor to determine your specific needs if installing your hot tub indoors.

- **Proper Foundation: <u>Consult a Structural Engineer when considering a foundation that will adequately support the spa the entire time it is in place.</u>** Proper support is critical especially if the spa is to rest on a second story or higher. For spas that are to rest on balconies, roofs or other platforms not specifically tied into the main structural support, you should consult a professional Structural Engineer with experience in this type of application.

- **Proper Drainage: <u>It is extremely important to have in place measures to sufficiently handle excessive water spillage.</u>** Be sure the flooring in which the spa rests on has adequate drainage and can handle the entire contents of the spa. Be sure to make provisions for ceilings and other structures that may be below the spas installation. Areas around your spa can become wet or moist so all flooring and subsequent furniture, walls and adjacent structures should be able to withstand or resist water and moisture.
- **Proper Ventilation: <u>Proper ventilation should be discussed with an Engineer or authority competent enough to understand the necessary provisions needed to vent moist or heated air and air associated with chemical odors outdoors.</u>** When the spa is in use considerable amounts of moisture will escape, potentially causing mold and mildew over time which can damage certain surfaces and/ or surroundings.
- **Sufficient Access:** In the unlikely event that you should ever need to access or gain entry to any portion of the spa for servicing, it is highly recommended that you plan your indoor installation to provide full access to the entire spa.
- **Warranty:** Damage caused by not following these guidelines or any improper installation not in accordance to local codes or authorities is not covered under the spas warranty. Please consult your local state or city building ordinances.
- **Do not shim the spa.** To ensure proper support the spa must sit flat on the intended foundation.

5.0 General Electrical Safety Instructions

Your new Jacuzzi spa is equipped with a “state-of-the-art” equipment system. It contains the most advanced safety and self-protective equipment in the industry. Nonetheless, this spa must be installed properly to insure dependable usage. Please contact your dealer or local building department should you have any questions regarding your installation.

Proper grounding is extremely important. Jacuzzi spas are equipped with a current collector system. A pressure wire connector is provided on the surface of the control box, located outside the equipment door (Figure B, page 16) to permit connection of a bonding wire between this point and any ground metal equipment, metal water pipe or conduit within 5 feet (1.5m) of the spa, or copper clad grounding rod buried within 5 feet (1.5m) of the spa. Bonding wire must be at least No. 8 AWG (8.4 mm²) solid copper wire. This is a most important safety assurance feature. Before installing this spa, check with the local building department to insure installation conforms to local building codes.

120/240 Volt Convertible Models
A spa connected to a 120 VAC electrical service must be located close enough to a grounded, grounding-type electrical outlet so that the included 10 feet (3m) power cord can be plugged directly into it. **DO NOT USE AN EXTENSION CORD** as this could cause damage to the spa's equipment due to insufficient voltage. The power supplied to this spa must be a dedicated circuit with no other appliances or lights sharing the power provided by the circuit.

6.0 Power Requirements

Jacuzzi spas are designed to provide optimum performance and flexibility of use when connected to the maximum electrical service listed below. Minor circuit board modifications can be performed to allow your new spa to accept an electrical service other than the factory operation setting. The electrical wiring of this spa must meet the requirements of the National Electrical Code/USA (NEC) and/or any applicable state or local codes. We recommend using a Square D breaker.
Note: Refer to pages 56-58 for circuit board configuration details or contact your authorized Jacuzzi dealer.

6.1 2-Pump 240V Power Requirements

North American J-335, J-345, J-355, J-365, J-375 and J-385 Models (60 Hz)			
	240V/40A*	240V/50A**	240V/60A***
Circuit Breaker (2-Pole):	40A	50A	60A
Number of Wires:	3	3	3
Frequency:	60 Hz	60 Hz	60 Hz
Current Draw:	26A	37A	48A

* In 40A configuration, the heater **will not operate** while either jets pump is running.
** In 50A configuration, the heater **will not operate** while both jets pumps are running. ***This is the factory setting.***
*** In 60A configuration the heater **will operate** while both jets pumps are running.

WARNING: Determine the electrical requirements when working on J315 and J325 models. These models are available in a dedicated 3-wire 240V 60Hz or convertible 120V (3-wire)/240V (4-wire) 60Hz configuration.

6.2 Dedicated 3-Wire 240V J315/J325 Power Requirements

J-315 and J-325 Dedicated 3-Wire 240V Models (60 Hz)		
	240V/30A*	240V/40A**
Circuit Breaker:	30A, 2-Pole	40A, 2-Pole
Number of Wires:	3	3
Frequency:	60 Hz	60 Hz
Current Draw:	20A	31A

* In 30A configuration, the heater **will not operate** while the jets pump is running.

** In 40A configuration, the heater **will operate** while the jets pump is running. ***This is the factory setting.***

6.3 Convertible 120V/240V J315/J325 Power Requirements

North American J-315 and J-325 Convertible Models (60 Hz)			
	120V/15A*	240V/30A*	240V/40A**
Circuit Breaker:	15A, 1-Pole	30A, 2-Pole	40A, 2-Pole
Number of Wires:	3 (15A GFCI Cord US Only*)	4 (Hard Wire Only)	4 (Hard Wire Only)
Frequency:	60 Hz	60 Hz	60 Hz
Current Draw:	12A	20A	31A

* In 15A/30A configuration, the heater **will not operate** while the jets pump is running. ***The factory setting is 120V/15A.***

** In 40A configuration, the heater **will operate** while the jets pump is running.

****CAUTION: (For a 4-wire 240 VAC Heater Operation):** Make certain wires are connected exactly as shown in Figure F (page 17) before applying power. Failure to do so will result in damage to the circuit board and/or related components and void the manufacturer's warranty.

7.0 Electrical Wiring Instructions

IMPORTANT NOTICE: The electrical wiring of this spa must meet the requirements of the National Electrical Code/USA (NEC) and/or any applicable state or local codes. The electrical circuit must be installed by a qualified electrician and approved by a local building/electrical inspection authority.

1. Convertible 120/240V Power Models:

- ⚠ **DANGER: TO DECREASE THE RISK OF SHOCK, PRODUCT DAMAGE OR ELECTRICAL FIRE.**
  120V "Plug-in" Operation: This spa must operate on the supplied 10 foot (3m) GFCI cord at its original length or must be hard-wired for longer runs. **NEVER USE AN EXTENSION CORD FOR ANY REASON!**
- Convertible 120/240V Operation: The included 120V GFCI cord must be discarded for 240V operation. This spa must be hard wired. Supplying power to either configuration above which is not in accordance with these instructions will void both the independent testing agency listing and the manufacturer's warranty.

2. **Dedicated 240V models must be permanently connected (hard-wired) to the power supply.** No plug-in connections or extension cords are to be used in conjunction with the operation of this spa. Supplying power to the spa which is not in accordance with these instructions will void both the independent testing agency listing and the manufacturer's warranty.
3. The power supplied to this spa must be a dedicated circuit with no other appliances or lights sharing the power provided by the circuit.
4. To determine the current, voltage and wire size required, refer to Section 6.0 "Power Requirements" (page 12).

- Wire size must be appropriate per NEC/USA and/or local codes.
- The spa controller's terminal block will accept a maximum wire size of 6 AWG (10 mm²).

5. The electrical supply for this product must include a suitably rated switch or circuit breaker to open all ungrounded supply conductors to comply with Article 422.20 of the National Electrical Code/USA, ANSI/NFPA 70. The disconnecting means must be readily accessible to the spa's occupant but installed at least 5 feet (1.5m) from spa water.
6. The electrical circuit supplied for the spa must include a suitable ground fault circuit interrupter (GFCI) as required by NEC/USA Article 680.42.
7. The electrical supply for this product must include a suitably rated isolating switch and circuit breaker to comply with local electrical regulations. This RCD/GFCI circuit breaker must be installed at the power supply in the house electrical box.
8. The appliance is not intended for use at altitudes exceeding 2 000 m.

9. To gain access to the equipment bay (see page 25 for accessing your hot tubs information):
   - Grab one of the corner panels, from the top, where it touches the shell. Then gently pull the panel forward to unsnap it from the holding clips, Figure 1. Tilt the panel forward and then lift up to remove, Figure 2. Place the panel in a safe location to prevent from damaging it. Repeat the steps to remove the other corner panel.
     Note: The corner exterior lights on the panels are connected to the light wires. Take care when removing the corner panels to avoid damaging the wires.
   - Grab the bottom of the front panel and slightly lift to release it from the top mount. Tilt the panel and pull down to remove, Figure 3. Place the panel in a safe location to prevent from damaging it.
10. Select the power supply inlet you want to use (Figure A). Make sure to install a 3/4" electrical fitting and conduit through the large opening provided in the side of the control box so you can feed the cable through to the terminal block.
11. Connect wires to terminal blocks TB1 and TB3 (Figure C, page 16). TIGHTEN SECURELY! All wires must be hooked up securely or damage could result.
12. Install control box door and screws and reinstall the cabinet panels.

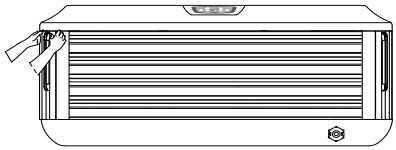


Figure 1

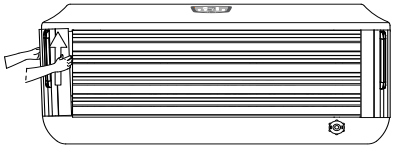


Figure 2

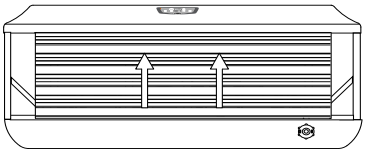
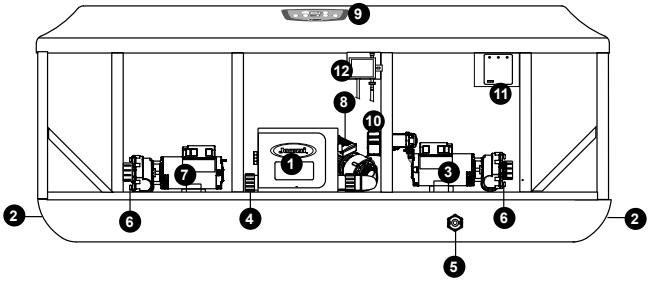


Figure 3

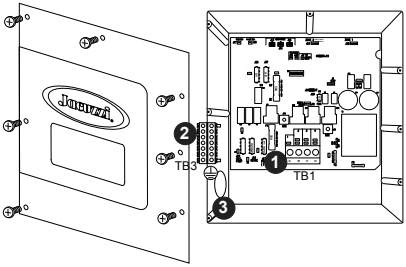
Figure A
Equipment Area



Note: Equipment location (such as pumps, CLEAR**RAY**, drain, heater etc.) varies by model.

1. Control Box
2. Power Supply Entrance(s)
3. 1-Speed Jets Pump
4. Heater
5. Spa Drain Valve
6. Pump Drain Plugs(s)
7. 1-Speed Jets Pump
8. Circulation Pump
9. Control Panel
10. CLEAR**RAY**®
11. Optional SmartTub® System
12. CLEAR**RAY**® PRO$_3$TECT™

Figure B Control Box



1. Main Terminal
2. Bonding Lug/Grounding Terminal
3. Power wires entrance (electrical fitting and conduit must be installed)

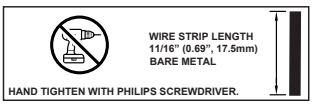


Figure C Connections (J335-J385, J315 and J325 3-Wire 240 VAC 60 Hz Models)

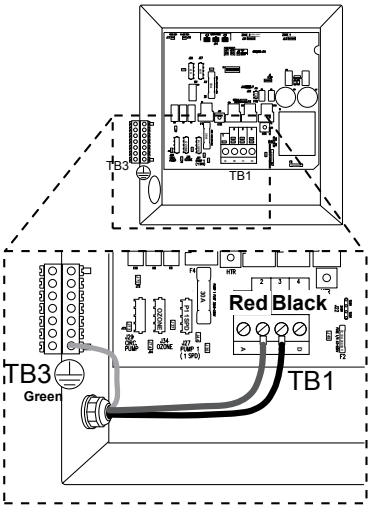
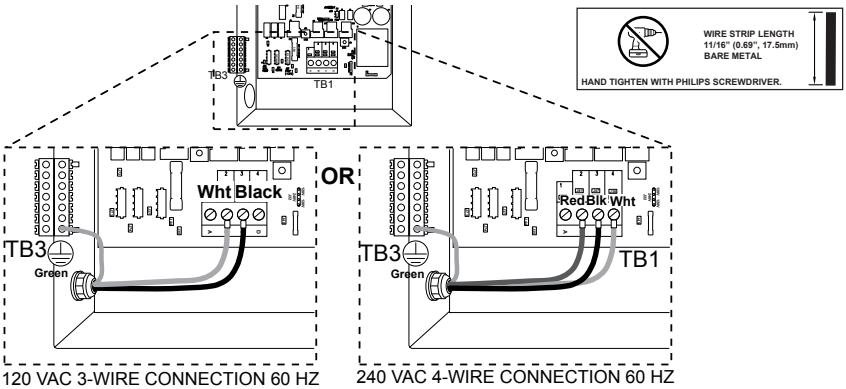
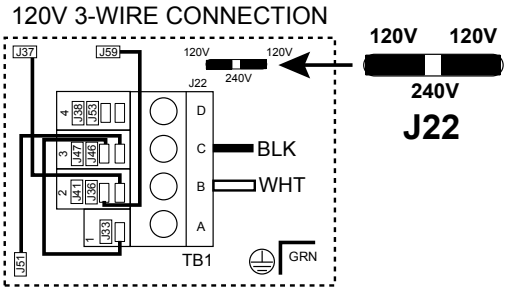


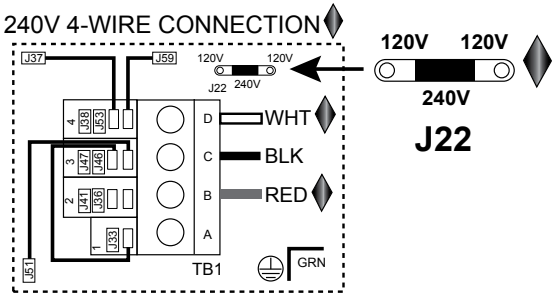
Figure D
(North American 60 Hz J315 and J325 120/240 VAC Convertible Models)

CAUTION: THIS SECTION IS NOT APPLICABLE TO THE J315 AND J325 DEDICATED 3-WIRE 240V 60HZ MODELS.





Jumper Wires	
FROM	TO
J37	J36
J51	J46
J59	J41
J33	J47
J22	2 jumpers



Jumper Wires	
FROM	TO
J37	**J38**
J51	J46
J59	**J53**
J33	J47
J22	1 jumper

CAUTION: (FOR A 4-WIRE 240 VAC HEATER OPERATION.) The jumper at location J22 must be changed from a 120V to a 240V configuration. Make sure to connect the wires as shown at TB1, for a 240V connection, before applying power. Jumper wires MUST be changed. Failure to follow these steps will result in damage to the circuit board and/or related components and void the manufactures warranty.

8.0 Spa Fill Up Procedure

For best results, read each step in its entirety before proceeding with that step. **Make sure all drains are closed before you begin, page 16.**

1. **Prepare The Spa For Filling**

- Clear all debris from the spa. Although the spa shell has been polished at the factory, you may want to treat it with a specially formulated spa cleaner. Consult your authorized Jacuzzi dealer for additional information prior to filling spa.
- If using the primary filter fitting to fill, remove filter cover, then remove filter cartridge as outlined in Section 12.1 (page 38).

IMPORTANT: In most cases, filling the spa by placing the hose in the footwell will not create an airlock, page 54. If you experience an airlock we recommend filling by placing the end of your garden hose into the primary filter fitting inlet. This wall fitting is the one closest to the front of the spa, page 38.

2. **Fill Spa**

- Place the end of your garden hose into the empty primary filter fitting or into the footwell. Fill until water covers all jets but does not touch the bottom of the lowest headrest. (DO NOT OVERFILL!)
- ⚠ **WARNING: TO DECREASE RISK OF INFECTION OR DISEASE.**
  Fill hot tub with clean tap water from garden hose to reduce risk of contracting a waterborne illness (e.g. an infection, bacteria or virus) and/or respiratory ailments. Fill until water covers all jets but does not touch the bottom of the lowest headrest. (DO NOT OVERFILL!)

CAUTION: TO DECREASE BUILD UP ON COMPONENTS AND MINIMIZE ACRYLIC DAMAGE.
Never fill with water from a water softener. If your water is extremely “hard,” it is preferable to fill half-way with hard water and the rest of the way with softened water. Water that is too soft can be corrosive to metal components.

3. **Turn On Power**

Turn on power to spa at the home’s circuit breaker to start boot up sequence (Sec. 10.0, page 28). The heater and filter pump will automatically activate after several seconds. If the control panel LCD displays “COOL” or “ICE” this is normal, refer to page 51 for additional information.

4. **Activate Jets Pumps**

Turn on jets pump(s) to ensure proper mixing when adding start-up chemicals in step 5.

5. **Add Start-Up Chemicals**

Add the spa water chemicals as recommended by your authorized Jacuzzi dealer. See “Water Quality Maintenance” (page 45) for general guidance.

> **WARNING: RISK OF POISONING OR DEATH.**
> Never leave chemicals opened and accessible to anyone. Use chemicals according to the vendors instructions. Always store chemicals in a safe and/or locked location. Keep away from and out of reach of children.

6. **Establish A Stable Sanitizer Reading**

Establish a stable sanitizer reading of no less than 1.0 ppm free chlorine or 2.0 ppm bromine. To ensure healthy water conditions, always maintain a constant sanitizer reading within the levels recommended on the inside cover of this manual.

7. **Set Spa To Heat**

To warm spa water to a comfortable temperature, follow these steps:

- The LCD display on the control panel displays the actual temperature of the spa water. Press either the COOLER (−) or WARMER (+) button once to display the “set” temperature for 5 seconds. If you want the water to heat to a different temperature, simply press COOLER (−) or WARMER (+) within 5 seconds. The set temperature increases or decreases by 1°F (0.5°C) each time one of these buttons is pressed.
- The heater will turn off when the temperature corresponding to the thermostat setting is achieved.
- To access the overtemp feature refer to Section 10.2, page 26.

> **Important Heater Details:**
> - The maximum water temperature setting for your spa is 104°F (40°C) and the minimum setting is 65°F (18°C).
> - For North American spas connected to a 40 amp service, jets pump #1 and jets pump #2 must be turned off to operate the heater.
> - Setting the thermostat at maximum will not accelerate the heating process. This will only result in a higher ultimate temperature.
> - The heater operates until the water reaches the programmed “set temperature,” then turns off. The heater will reactivate after the water cools to approximately 2°F (1°C) below the set temperature.

8. **Place Cover On Spa**

- Keeping the insulating cover in place anytime the spa is not in use will reduce the time required for heating, thereby minimizing operating costs.
- The time required for initial heat-up will vary depending on the starting water temperature.

> ⚠ **DANGER: RISK OF PERSONAL INJURY.**
> Check water temperature carefully before entering hot tub! Excessive water temperature can cause burns, welts and body temperature to rise, hyperthermia (over-heating).

Decontamination Procedure (Steps 9-15)
Steps 9-15 below are only required when sanitizer levels are unstable after performing steps 1-6 above. Disregard steps 9-15 below if sanitizer levels remain stable after performing steps 1-6 above (refer to the inside cover of the manual).
Note: The “decontamination procedure” steps 9-15 should also be used after the spa has been “Winterized” (page 44) or has been sitting without power for an extended period.

9. Add 2.5 ounces (71 g) of sodium dichlor for every 100 gallons (378 Liters) of water. Refer to the table below for approximate water fill volume by model.

> ⚠ **CAUTION: RISK OF PERSONAL INJURY OR SPA DAMAGE!**
> Never add chlorine tablets (trichlor) or acid to your hot tub for any reason! These chemicals may damage components within your hot tub, burn or irritate your skin, create a rash, and void the manufacturer warranty for your spa.

Water Fill Volume by Model

Spa Model	Average Fill Volume*	Sodium Dichlor
J-385	500 Gal (1,893 L)	12.5 oz
J-375	470 Gal (1,779 L)	11.75 oz
J-365	440 Gal (1,666 L)	11.0 oz
J-355	400 Gal (1,514 L)	10.0 oz
J-345	370 Gal (1,401 L)	9.25 oz
J-335	360 Gal (1,363 L)	9.0 oz
J-325	360 Gal (1,363 L)	9.0 oz
J-315	230 Gal (871 L)	5.75 oz

*Use average fill volume for chemical maintenance

10. Leave spa cover open during this step to allow excessive chemical vapors to exit spa, protecting pillows and plastic knobs from chemical attack. If spa is indoors, open doors and windows for proper ventilation. Turn on all jet pumps for one hour, then place the massage selector knob in the center “combo” position and open all air controls.

Note: You will need to press the jets pump button(s) every 20 minutes since these functions have an automatic 20 minute time-out function that turns them off.

WARNING: RISK OF PERSONAL INJURY!

- To decrease the risk of injury, drowning or entrapment, never leave your hot tub unattended for any reason while the cover is open and accessible, especially to small children and animals!
- Precautions should be taken to minimize your exposure to chemical vapors (that could cause lung, brain, or skin damage).

11. Turn off power to the spa at the circuit breaker, then drain spa as outlined in “Draining and Refilling” (page 41).

12. Fill spa until water covers all jets but does not touch the bottom of the lowest headrest. DO NOT OVERFILL.

CAUTION: TO DECREASE BUILD UP ON COMPONENTS AND MINIMIZE ACRYLIC DAMAGE.
Never fill with water from a water softener. If your water is extremely “hard,” it is preferable to fill half-way with hard water and the rest of the way with softened water. Water that is too soft can be corrosive to metal components.

13. Consult your authorized Jacuzzi dealer for chemical recommendations, then add chemicals to hot tub water to achieve a constant sanitizer reading within the levels recommended on the inside cover of this manual.

14. Turn on all jets pump(s) when adding chemicals to ensure proper mixing and leave your hot tub cover open until the sanitizer level becomes stable to protect pillows and plastic knobs from chemical attack. Refer to the inside cover of the manual.

WARNING: RISK OF PERSONAL INJURY.

- To decrease the risk of injury, entrapment or drowning, never leave your hot tub unattended for any reason, especially if while the cover is open and accessible to small children and animals!
- To decrease the risk of contracting a waterborne illness (e.g. an infection, bacteria or virus) and/or respiratory ailments, maintain water chemistry within 6 step parameters. If you or other bathers experience such a condition, discontinue use and seek immediate medical attention.

15. Establish a sanitizer reading no less than 1.0 ppm free chlorine or 2.0 ppm bromine, then allow the hot tub to set undisturbed for 8 hours. Retest water after 8 hours to determine if sanitizer levels are stable. If sanitizer levels are stable, your spa is ready for use. To ensure healthy water conditions, always maintain a constant sanitizer reading within the levels recommended on the inside cover of this manual. If sanitizer levels are not stable at this time, it will be necessary to repeat this procedure in its entirety (steps 1-15) until stable sanitizer readings are achieved.

IMPORTANT: If the CLEARRAY Active Oxygen™ system is removed from the hot tub or is not operating effectively follow the “without CLEAR**RAY**” water chemistry parameters as defined by the Pool & Hot Tub Alliance.

16. After adequate sanitizer levels are achieved, close all spa air controls to maximize heat retention when spa is not in use.

9.0 Control Functions

9.1 Control Panel

2-Pump model shown

A. **CLEARRAY ( ) Button:** Manually activates the CLEAR**RAY** system, page 28.

B. CLEAR**RAY Indicator:** Lit when the CLEAR**RAY** is on.

C. **Light On/Off ( ) Button Options:** Turns waterfall light, footwell light, lighted cup holders and exterior lights on in unison. Press once for high intensity; press a second time for medium intensity; press a third time for low intensity; press a fourth time to turn off. The displayed color, for the interior lights only, is changed using the light mode button (D). Exterior lights color option is only white, page 37. **Note:** Using the light button to control the exterior lights will not override the AUTO feature for the exterior lights.

D. **Light Mode ( ) Button:** Selects one of 4 light color modes for waterfall, footwell, and cup holders. This feature is not available for the exterior lights. See page 27 for additional information.

E. **Cooler (–) Button:** Decreases water temperature set point. Also used to navigate through the programming menus.

F. **Warmer (+) Button:** Increases water temperature set point. Also used to navigate through the programming menus.

G. **Jets 1 ( ) Button:** Turns jets pump #1 on and off.

H. **Jets 2 ( ) Button (J-335 to J-385):** Turns jets pump #2 on and off.

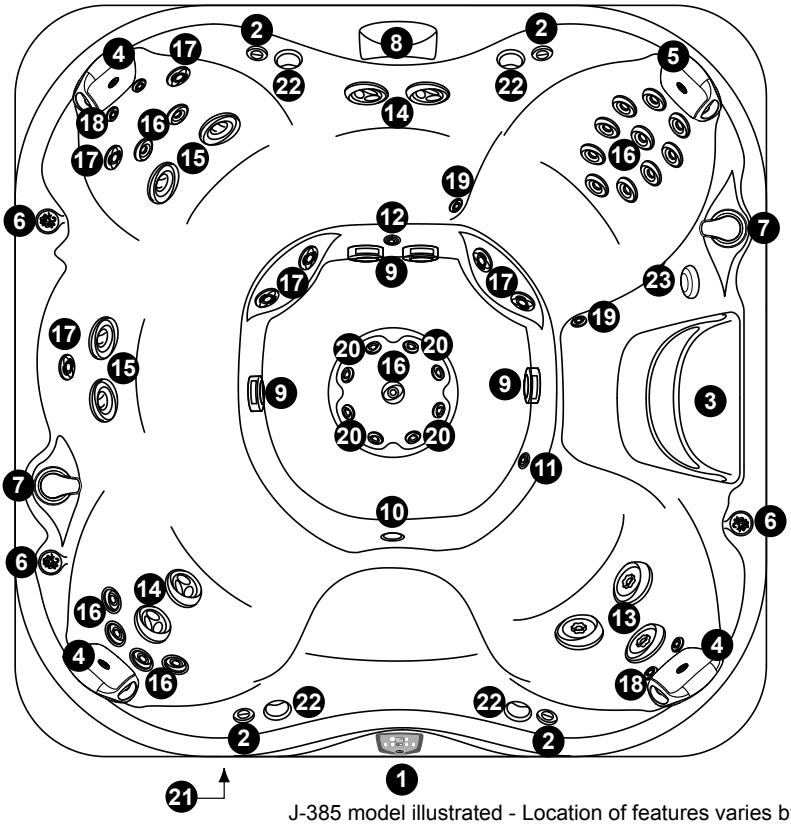
I. **Menu ( ) Button:** Allows access to the programming menus.

J. **LCD Display:** Can display current water temperature (default display), water temperature set point, selected menu functions, and error messages.

Operation Details

- Temperature Adjustment: 65 to 104°F (18 to 40°C). Factory default setting is 100°F (38°C).
- Light Operation: All interior LED lights and exterior lights will run for 2 hours, then automatically shut off, when activated by using the light button.
- Jets 1/Jets 2 Button Operation: Jets run for 20 minutes when activated, then turn off automatically to conserve energy. Simply press either jets button to continue operation for an additional 20 minutes.
- Ozone Operation: The Ozonator will activate anytime the circulation pump is on during the Primary Filter Cycle or heat call.
  Note: DO NOT press either JETS button, this will shut off the ozone for the amount of time the jets are on plus 5 minutes after they shut off.

9.2 General Spa Features And Controls



J-385 model illustrated - Location of features varies by model. Specifications/features subject to change without notice.

1. Control Panel
2. Toggle Air Controls
3. Filter/Skimmer Grill
4. Standard Pillows
5. HydroSoothe™ Pillow
6. Lighted Cup Holders*
   *Light features not offered on J-315/J-325 Models.
7. Massage Selector Valves
8. Waterfall Feature
9. Footwell Suction Fittings
10. Spa Light
11. Heater Return Fitting
12. Waterfall overflow
13. PowerPro® MX2 Jets
14. PowerPro® FX Large Rotational Jets
15. PowerPro® FX Large Jets
16. PowerPro® FX Jets
17. PowerPro® FX Rotational Jets
18. PowerPro® NX2 Jets
19. PowerPro® BX Jets
20. PowerPro® Mini FX Jets
21. Optional BLUEWAVE® Spa Stereo System
22. Optional Stereo System Speakers
23. HydroSoothe™ Pillow Valve

Specifications Subject to Change Without Notice.

10.0 Operating Instructions

The spa control system has automatic functions that operate upon start-up and normal operation to protect the system. Upon the first power up, the readout displays the following information:

1. Control panel displays all lit indicators, permitting visual inspection of all display segments and indicator lights for proper operation.
2. Control panel displays the controller and control panel software versions.
3. Control panel scrolls the message, "***WELCOME TO JACUZZI***."

Note: It is common for the heater to turn on after the spa is first filled because tap water is often very cold. If water temperature, at this time, is less than the factory default temperature setting of 100°F (38°C) the heater will turn on and run until the water temperature rises to the factory setting, then turn off.

10.1 Register Your New Spa

Registering your spa is important in order to validate your warranty. To register you will need to have the spa serial number, Figure 10.1a. To register your spa you need to have your spa serial number. The best time to retrieve the serial number is when the spa is being connected. You must register your spa via the internet at www.Jacuzzi.com.

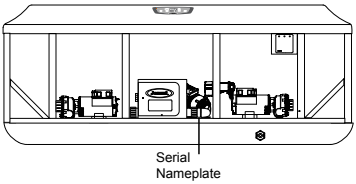


Figure 10.1a

Follow these steps to register your spa.

1. Using your home computer or other device, connect to the internet.
2. Go to www.Jacuzzi.com website to register your spa.
3. Click ***Outdoor Hot Tubs***
4. Click ***For Owners***
5. Click ***Warranty and Manuals***
6. Click ***Warranty Registration***
7. Enter your serial number.

Keep a record of your serial number for any future reference. Write that information below.

Serial Number: ___ ___ ___ ___ ___ ___ ___ ___ ___

10.2 Setting Water Temperature

Press (or press and hold) either − or + to adjust the current temperature setting. Once the desired temperature is reached, do not press any buttons on the control panel for about 3 seconds. The new temperature setting will saved. When the spa is heating the heat icon will be displayed.

To access the overtemp feature that allows the spa to reach 106°F (41°C) continue to the next steps.

> **WARNING: RISK OF HYPERTHERMIA (OVER-HEATING) CAUSING SEVERE INJURY, BURNS, WELTS OR DEATH!**
> Water temperature in excess of 104°F (40°C) may be injurious to your health.

1. Press and hold + then;
2. Press and hold the at the same time for 2 seconds. You will see the temperature change to 105°F (40.5°C) on the LCD display. Press + to raise the temperature to 106°F (41°C) To lower the temperature, press −.
3. When the overtemp has been activated, the asterisk after the last digit will appear as an indicator for being in the overtemp mode, Figure 10.2a.

Figure 10.2a

Note: If the temperature is manually changed below 104°F (40°C) and you would like to raise the temperature to 106°F (41°C) again, you will have to repeat the steps above.

10.3 Activate Jet Pumps

The JETS 1 ( ) button activates jets pump 1. The first press turns jets pump 1 on; the second press turns jets pump 1 off. The JETS 2 ( ) button activates jets pump 2 (if equipped). The first press turns jets pump 2 on; the second press turns jets pump 2 off. When manually activated, either pump will automatically turn off after 20 minutes.

10.4 Light On/Off Button

Pressing this button activates the waterfall light, footwell light, lighted cup holders, and exterior lights in unison as follows: high - medium - low - off.

Note: Lights automatically turn off after 2 hours when activated using the light button.

10.5 Light Mode Button

This button offers 4 light modes for your enjoyment. Press this button to select your favorite lighting effect as follows:

1st press	high speed blend mode
2nd press	low speed blend mode
3rd press	freezes low speed blend mode
4th press	solid Blue color
5th press	solid Violet color
6th press	solid Red color
7th press	solid Amber color
8th press	solid Green color
9th press	solid Aqua color
10th press	solid Near White color
11th press	goes back to high speed blend mode

10.6 Jets

The water flow through individual jets in your spa can be adjusted or turned off by rotating the outside jet ring. Some jets offer an adjustable center nozzle that allows you to change the water discharge angle. Simply tilt the center nozzle in these jets to the desired angle to customize your personal massage. Other jets offer a spiral action that produces a surging stream of air and water that provides a vigorous massage.

Note: Always keep at least 6 adjustable jets open at all times to ensure proper filtration characteristics within the spa.

10.7 Selecting Desired Massage Action

All models incorporate a massage selector valve that allows you to customize the massage and performance by diverting water between various jet systems within the spa. Simply turn valve to positions A, B or C to divert water pressure to various jet groups.

Note: The valve is intended to operate in positions A (Combo), B, or C for optimum performance. It is considered normal for sound levels within the valve to increase between these positions due to the large amounts of water flowing through it. For optimum filtration benefits, always leave this valve in position A when the spa is covered and select positions B or C for maximum jet performance during spa use.

10.8 HydroSoothe™ Valve Control

Turn control valve (page 24) from side to side to increase output, decrease output or turn off the HydroSoothe jets.

Note: When the valve is in the OFF position, some water may still flow through. This is considered normal.

10.9 Waterfall Feature

The waterfall feature allows you to independently control it for a customized soothing effect.

For J335-J385

The waterfall is on when the circulation pump is on. The JETS 1 ( ) or CLEAR**RAY** ( ) buttons will also activate the waterfall feature.

For J315 and J325

The waterfall is on when the jets pump 1 is on.

Waterfall Operation Details:

A. Push thumb wheel on top of waterfall to the left (while in spa) to start or increase flow.
B. Push thumb wheel on top of waterfall to the right (while in spa) to slow or turn flow off.

Note: When the waterfall is in the OFF position, some water may still flow through. This is considered normal.

10.10 CLEARRAY on Demand

The CLEARRAY Active Oxygen™ system on demand feature activates the water purification system. Continuously tap to activate the system for 1 hour, 2 hours, 3 hours or OFF. During this time the circulation pump and the CLEARRAY Active Oxygen™ system are on.

Note: When the CLEARRAY Active Oxygen™ system is on, due to a programmed or scheduled setting, the feature cannot be turned off.

10.11 Air Controls

Certain jet systems have their own “toggle” on/off air control. Each control introduces air into the water lines that supply specific jet groups. Simply press any air control button, Jacuzzi logo side up, to open, or press the opposite side of button to close.

Note: To minimize heat loss, close all air controls (Jacuzzi logo down) when spa is not in use. Certain jets may draw air even though they are closed. This is considered normal.

10.12 Optional BLUEWAVE® Spa Stereo System

Spas equipped with the optional audio system offer enhanced spa experience. These models include a high-quality Bluetooth® stereo receiver with four high-quality marine speakers for unsurpassed sound quality and long-life. An auxiliary device can be connected, via a 3.5 mm plug cable, located behind the front cabinet panel, if a Bluetooth device is not available.

10.13 Blow-Out Cycle

This cycle will purge the air from the plumbing lines normally caused by draining and filling the spa. The Jets Pump 1 and the Circulation Pump will turn on for 1 minute and then shut off. Then Jets Pump 2 will turn on and run for 1 minute then shut off. This cycle will **only** occur at start up.
Note: Turning off the corresponding jets pump that is running can deactivate the cycle.

10.14 Cleanup Cycle

The cleanup cycle occurs once per day at 12:00 PM (noon) for 2 minutes. This is not user programmable. The Jets Pump 1 and the Circulation Pump will turn on for one minute and then shut off. Then Jets Pump 2 will turn on and run for 1 minute then shut off.
Note: Turning off the corresponding jets pump that is running can deactivate the cycle.

10.15 Optional SmartTub® System

Advances in technology have allowed us to create a better and smarter hot tub. Our SmartTub® system operates on a cellular network. The advantages of this system are:

- A more stable connection to internet for outdoor environment. The SmartTub® device uses much less data than a typical voice connection via cellular networks. We contract through the largest wireless carriers to ensure maximum uptime. The system enables firmware updates via the cell connection so your system's performance will continuously be optimized remotely.
- Maintenance is made easy by alerts sent to your phone.
- Diagnostic alerts are sent to you and your dealer when attention is required.

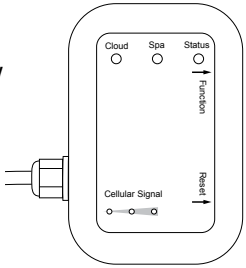
A. **Pairing process**

1. Download the SmartTub® app from the Google Play store or Apple App store.
2. Open the app and create an account.
3. Locate the SmartTub® sticker next the control panel of the hot tub. You can either scan the QR code with the SmartTub® app or manually input the serial number located below the QR code on the sticker.
4. After you pair the hot tub's serial number to the SmartTub® app, the app will load and connect the hot tub to the internet.
5. Follow the instructions on the app to begin enjoying the benefits of your internet connected hot tub.

Note: The first year of data service is included. You will need to renew the subscription after the first year. Please refer to the terms of service and privacy policy links in the SmartTub® app for additional information.

B. **Indicator Lights**

There are indicator lights on the SmartTub® controller that relay the status of the system. Below are meanings of the lights.



1. Cloud:
   - Blue light on - connected to cloud.
   - Blue light off - not connected to cloud.

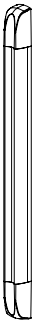
2. Spa:
   - Blue light on - connected to spa controller
   - Blue light off - not connected to spa controller

3. Status:
   - Cyan light - breathing (slow pulsing) indicates the status is good.
   - Cyan light - flashing indicates that the system is completing a connection to the cloud.
   - Green light - flashing indicates waiting for a connection to the cellular tower.
   - Dark blue light - flashing indicates a SIM error.

4. Cell signal strength:
   - 3 blue LED lights indicates cell signal strength.

C. **Resetting the SmartTub® controller**

Should the SmartTub® controller need to be reset, hold a magnet to the reset label on the side of the SmartTub device.



10.16 Optional Exterior Lights

The optional exterior lights are located on the corners of the cabinet panels. They provide a soft light luminance around the spa. The only light color option is white. The lights have a time-out period of 8 hours. The lights can be controlled through the Light button or via the Menu button. For operating instructions refer to page 37.

11.0 Menu Features and Programming Instructions

Your spa is equipped with menus that allow you to program additional features. By continually pressing the Menu ( ) button you will cycle through the menus as follows (Figure 11.0a):

Current temperature (Main Menu)	104F
Exterior Lights (page 37)	EXT
Primary Filtration (page 31)	PF
Secondary Filtration (page 32)	SF
Heat (page 33)	HEAT
Filter Change (page 34)	FC
UV (page 34)	UV
H2O (page 35)	H2O
Time (page 35)	TIME
Date (page 36)	DATE
Temp (page 36)	TEMP
Language (page 36)	LANG
Lock (page 37)	LOCK
WiFi (Not applicable if the optional SmartTub® system is installed.)	WIFI

Figure 11.0a

11.1 Programming the Primary Filtration

During the primary filtration cycle, the circulation pump and CLEARRAY Active Oxygen™ system are activated. The spa is programmed with a default setting starting at 12:00 AM and lasting for 8 hours, but this can be changed. This cycle allows the circulation pump to run for a preset amount of time per day, in addition to the normal operation.

Note: Any time the circulation pump runs outside of a program cycle, e.g. for heating, that run time will be deducted from the next primary filter cycle. For example, the primary filter cycle is set to 8 hours every 24 hours but the circulation pump comes on for 2 hours to heat the water after the cycle has finished. The next primary filter cycle will only be for 6 hours not 8 hours.

A. **Primary Filtration Cycle Menu**

PF

To change the programmed Primary Filtration Cycle:

Note: If no button is pressed within 5 seconds of each selection the screen will revert back to the Main Menu and the current settings will remain active.

1. Press until you get to the *"**PF**"* Menu. The display will scroll *"**PRIMARY FILTER**."* After the second scroll, if no action is taken, the system will revert back to the Main Menu.
2. Press − or + to display the current start time and prepare the system for changes.
3. Press − or + to adjust the start time, in 1-hour increments. To switch from "AM" to "PM" you must round a 12-hour period.
4. Press to confirm and save the start time.
5. Press − or + to adjust the duration of cycle, in 1-hour increments.
6. Press to confirm and save the duration time. The system will return to the *"**PRIMARY FILTER**"* Menu.

In extreme bitter cold weather, where freezing can occur, we recommend you program the primary filtration cycle to run 24 hours. Refer to the "Winterizing" section on page 44.

11.2 Programming the Secondary Filtration

The jets pump 1 activates during the secondary filtration to provide additional skimming. The spa is programmed with a default setting of Holiday Mode, but can be programmed to other modes. There are 3 different modes, Holiday, Light and Heavy Mode.
Note: During the secondary filtration the jets pump 1, circulation pump and CLEARRAY Active Oxygen™ system are activated.

- Holiday Mode disables the Secondary Filtration.
- Light Mode will activate two 10-minute cycles **every other day**; one at 8:00 AM and the other at 8:00 PM.
- Heavy Mode will activate two 10-minute cycles **every day**; one at 8:00 AM and the other at 8:00 PM.

A. **Secondary Filtration Cycle Menu**

To change the programmed Secondary Filtration Cycle:
Note: If no button is pressed within 5 seconds of each selection the screen will revert back to the Main Menu and the current settings will remain active.

1. Press until you get to the *"**SF**"* Menu. The display will scroll *"**SECONDARY FILTER**."* After the second scroll, if no action is taken, the system will revert back to the Main Menu.
2. Press − or + to enter the Secondary Filtration programming. Continually press to scroll through the following modes:
   - Holiday Mode: The screen will display ***"HOL"*** and scroll ***"HOLIDAY MODE."***
   - Light Mode: The screen will display ***"LT"*** and scroll ***"LIGHT MODE."***
   - Heavy Mode: The screen will display ***"HVY"*** and scroll ***"HEAVY MODE."***
3. Once a selection is made, press to confirm and activate the setting. The system will return to the *"**SECONDARY FILTER**"* Menu.

11.3 Programming the Heating Mode

Your Jacuzzi spa is equipped with 3 modes of heating. An automatic mode called ***"AUTO,"*** where the spa's temperature is maintained at all times. An energy saving heating cycle called ***"ECO."*** A mode that will only activate the heater during the daytime called ***"DAY"*** mode.
Note: The heater will activate when the temperature drops 2°F (1°C) from the set temperature.

- Economy Mode is an energy savings program. The spa is allowed to heat between 5:00 PM and 7:00 AM every day. The hours are not programmable.
- Day Mode allows the spa to heat during the day, between 7:00 AM to 5:00 PM. The hours are not programmable.
- Auto Mode allows the heater to heat, at all times, in order to maintain the preset temperature.

A. Programming the Heating Mode

To change the programmed heating mode:
Note: If no button is pressed within 5 seconds of each selection the screen will revert back to the Main Menu and the current settings will remain active.

1. Press until you get to the *"**HEAT**"* Menu. The display will scroll *"**HEATER MODE**."* After the second scroll, if no action is taken, the system will revert back to the Main Menu.
2. Press − or + to prepare the system for changes. Continually press to scroll through the following modes:
   - Economy Mode: The screen will display ***"ECO"*** and scroll ***"ECONOMY MODE."***
   - Day Mode: The screen will display ***"DAY"*** and scroll ***"DAY MODE."***
   - Auto Mode: The screen will display ***"AUTO"*** and scroll ***"AUTO MODE."***
3. Once a selection is made, press to confirm and activate the setting. The system will return to the *"**HEATER MODE**"* Menu.

11.4 Programming the Change Filter Timer

A programmable filter timer can be set to remind you when to clean or replace the filters.

- The default setting is for 180 days.
- The timer range is from OFF to 180 days, in increments of 10 days.

Note: It is not recommended that this feature be turned OFF. In order to continually maintain clean and working filters, it should be program as instructed.

A. **Programming or resetting the timer.**

Note: If no button is pressed within 5 seconds of each selection the screen will revert back to the Main Menu and the current settings will remain active.

1. Press ☰ until you get to the *"**FC**"* Menu. The display will scroll *"**FILTER CHANGE**."* After the second scroll, if no action is taken, the system will revert back to the Main Menu.
2. Press − or + to prepare the system for changes. Continually press to adjust the length of time for the timer.
3. Once you select the number of days, press ⏻ to confirm this selection. The system will return to the *"**FILTER CHANGE**"* Menu.
4. Once the timer expires the display will alternate between the water temperature and *"**CHANGE FILTER**",* page 52.

11.5 Programming the CLEARRAY Timer

A programmable change bulb timer can be set to remind you when it is time to replace the UV bulb for the CLEAR**RAY** system.

- The default setting is for 365 days.
- The timer range is from OFF to 365 days, in increments of 10 days.

Note: It is not recommended that this feature be turned OFF. In order to continually have the CLEAR**RAY** system effectively perform its function, it should be program as instructed.

A. **Programming or resetting the timer.**

Note: If no button is pressed within 5 seconds of each selection the screen will revert back to the Main Menu and the current settings will remain active.

1. Press ☰ until you get to the *"**UV**"* Menu. The display will scroll *"**CLEARRAY BULB**."* After the second scroll, if no action is taken, the system will revert back to the Main Menu.
2. Press − or + to prepare the system for changes. Continually press to adjust the length of time for the timer.
3. Once you select the number of days, press ⏻ to confirm this selection. The system will return to the *"**CLEARRAY BULB**"* Menu.
4. Once the timer expires the display will alternate between the water temperature and *"**CHANGE CLEARRAY BULB**"* page 52.

11.6 Programming the Water Refresh Timer

A programmable water refresh timer can be set to remind you when to when it is time to drain and refill your spa.

- The default setting is for 180 days.
- The timer range is from OFF to 180 days, in increments of 30 days.

Note: It is not recommended that this feature be turned OFF. In order to continually maintain the water healthy and clean, in addition to chemical maintenance, it should be program as instructed.

A. **Programming or resetting the timer.**

Note: If no button is pressed within 5 seconds of each selection the screen will revert back to the Main Menu and the current settings will remain active.

1. Press until you get to the *"**H2O**"* Menu. The display will scroll *"**WATER REFRESH**."* After the second scroll, if no action is taken, the system will revert back to the Main Menu.
2. Press or to prepare the system for changes. Continually press to adjust the length of time for the timer.
3. Once you select the number of days, press to confirm this selection. The system will return to the *"**WATER REFRESH**"* Menu.
4. Once the timer expires the display will alternate between the water temperature and *"**CHANGE WATER**"* page 52.

11.7 Programming the Time

To program the time, follow the steps below:

Note: If no button is pressed within 5 seconds of each selection the screen will revert back to the Main Menu and the current settings will remain active.

1. Press until you get to the *"**TIME**"* Menu. The display will scroll *"**SET TIME**."* After the second scroll, if no action is taken, the system will revert back to the Main Menu.
2. Press or to display the current time.
3. Press or to prepare the system for changes.
4. Press or to adjust and program the correct hour. Press to save the change and move on to program the minutes.
5. The current minutes will blink as an indication that it is ready. Press or to adjust and program the minutes. Press to save the change and move on to program either AM or PM.
6. The current setting will blink as an indication that it is ready. Press or to toggle between AM and PM. Once selected, press to save the change. The system will return to the *"**SET TIME**"* Menu.

11.8 Programming the Date

To program the date, follow the steps below:
Note: If no button is pressed within 5 seconds of each selection the screen will revert back to the Main Menu and the current settings will remain active.

1. Press until you get to the *"**DATE**"* Menu. The display will scroll *"**SET DATE**."* After the second scroll, if no action is taken, the system will revert back to the Main Menu.
2. Press − or + and the current date will scroll. For example *"**JAN 01 2016**."*
3. Press − or + to display the year.
4. Press − or + to adjust and program the correct year. Press to save the change and move on to program the month.
5. The current month will blink as an indication that it is ready. Press − or + to adjust and program the month. Press to save the change and move on to program the day.
6. The current day will blink as an indication that it is ready. Press − or + to scroll through the days. When the day is selected, press to save the change. The system will return to the *"**SET DATE**"* Menu.

11.9 Programming the Temperature Format

To program the temperature format, follow the steps below:
Note: If no button is pressed within 5 seconds of each selection the screen will revert back to the Main Menu and the current settings will remain active.

1. Press until you get to the *"**TEMP**"* Menu. The display will scroll *"**TEMPERATURE FORMAT**."* After the second scroll, if no action is taken, the system will revert back to the Main Menu.
2. Press − or + to switch between °F or °C. Once selected press to save the change. The system will return to the *"**TEMPERATURE FORMAT**"* Menu.

11.10 Programming the Language

Your new spa comes with four language display options. To program the display language, follow the steps below:
Note: If no button is pressed within 5 seconds of each selection the screen will revert back to the Main Menu and the current settings will remain active.

1. Press until you get to the *"**LANG**"* Menu. The display will scroll *"**LANGUAGE MENU**."* After the second scroll, if no action is taken, the system will revert back to the Main Menu.
2. Press − or + to display the current language.
3. Press − or + to scroll through the languages available. The choices are English, French, German and Spanish. Once a selection is made, press to save the change. The system will return to the *"**LANGUAGE MENU**."*

11.11 Programming the Lock Feature

You can prevent users from changing certain features of the hot tub. **It is important to realize that after either mode is enabled, there is no physical pad lock indicator on the topside control panel display to inform the user that either mode is active.** If some or all topside control panel buttons are non-responsive, either lock mode IS ENABLED. The lock modes to choice from are:
Note: If no button is pressed within 5 seconds of each selection the screen will revert back to the Main Menu and the current settings will remain active.

- Access Lock: will disable the ability to manually activate or adjust any feature of the spa. All scheduled operations will still be performed.
- Settings Lock: will disable the ability to change any of the user settings. You can still activate the jet pumps and lighting. All scheduled operations will still be performed.
- Service Lock: all spa functions are locked to allow for a temporary service mode such as filter cleaning.
  Note: This mode has a time out of 2 hours. The spa should not be left in this lock mode for an extended period. Especially in colder climate or when freezing conditions exist.

A. **Activating a lock feature.**

1. Press until you get to the *"**LOCK**"* Menu. The display will scroll *"**LOCK MENU**."* After the second scroll, if no action is taken, the system will revert back to the Main Menu.
2. Press − or + to switch from *"**AL**" ("**ACCESS LOCK**"), "**SL**" ("**SETTINGS LOCK**") to "**SVL**" ("**SERVICE LOCK**").* Once a selection is made, press to save the change. The system will return to the *"**LOCK MENU**."*

B. **Deactivating a lock feature.**

To deactivate a lock mode, press and hold for 10 seconds.

11.12 Operating the Exterior Lights Via the Menu

Press until you get to the *"**EXT**"* Menu. The display will scroll *"**EXTERIOR LIGHT**."* After the second scroll, if no action is taken, the system will revert back to the Main Menu. Press to switch from *"**HI**", "**MED**", "**LO**", "**OFF**" or "**AUTO**".*
Note: When the lights are activated through the menu, they will timeout in 8 hours except when in the Auto feature.

- HI: exterior lights are on at high intensity
- MED: exterior lights are on at medium intensity
- LO: exterior lights are on at low intensity
- OFF: exterior lights are turned off
- AUTO: exterior lights are activated daily from 7PM to Midnight

To activate the ***"AUTO"*** feature, enter the exterior light menu and press ☼ until ***"AUTO"*** is displayed. Then press − or + to alternate between ON and OFF. Once a selection is made, press ⏻ to save the change and exit the menu.

12.0 Spa Maintenance

Proper and regular maintenance of your spa will help it retain its beauty and performance. Your authorized Jacuzzi dealer can supply you with all the information, supplies, and accessory products you will need to accomplish this.

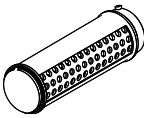
⚠ **DANGER: RISK OF SEVERE INJURY OR DROWNING BY ENTRAPMENT!**

- Keep hair, loose articles of clothing or hanging jewelry away from suction fittings, rotating jets or other moving components to avoid entrapment that could lead to drowning or severe injury.
- Never use the spa unless all suction guards, filter, filter lid, or skimmer assembly are installed to prevent body and/or hair entrapment.
- Never operate or use the spa if the filter, filter lid, or skimmer assembly are broken or any part of the skimmer assembly is missing. Please contact your dealer or nearest service center for service.
- The suction fittings and suction covers in this spa are sized to match the specific water flow created by the pump(s). If it is necessary to replace the suction fittings, suction covers or pump(s), be sure that the flow rates are compatible and are in compliance with the VGB Safety Act, page 2.
- Never replace a suction fitting or suction cover with one rated less than the flow rate marked on the original suction fitting. Using improper suction fittings or suction covers can create a body or hair suction entrapment hazard that may lead to drowning or severe injury.
- Owners must alert all spa users to the potential risk of Hair, Limb, Body, Evisceration (disembowelment), and Mechanical Entrapment, page 6.

12.1 Cleaning The Filters

Your Jacuzzi spa is equipped with a skimmer bag and two high performance pleated filter cartridges located under the filter cover. The circulation pump drawing water through the skimmer bag and filter cartridge filters fine debris. Large debris is filtered by jets pump 1 drawing water through the skimmer bag and second filter cartridge during an automated Secondary Filtration Cycle or when jets pump 1 is manually

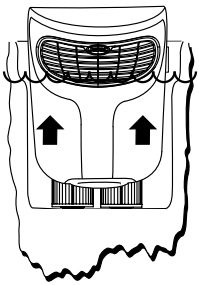
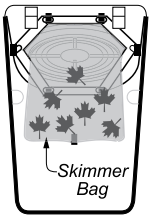
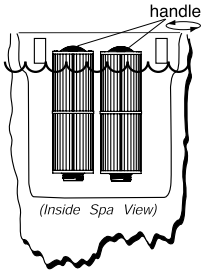
activated during spa use. Combined, both filters provide unsurpassed water quality by trapping surface oils and suspended particles. The filter cartridge should be cleaned once a month or as necessary, depending on use, for optimum performance.



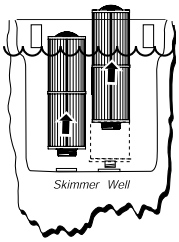
An optional chemical feeder is available through your authorized Jacuzzi dealer that installs under the filter cap (#2472-673). Always remove the chemical feeder cap and feeder (when used) during the filter cleaning process by turning the cap handle counterclockwise. Reinstall the cap and feeder back onto the filter cartridge after the filter cleaning process is complete. It is recommended that latex gloves be used to avoid touching the chemical feeder during the filter cleaning process.
Note: When used, the chemical feeder MUST remain on the primary filtration filter cartridge! This filter cartridge is the one closest to the front of the spa.

TO DECREASE RISK OF DEATH, DROWNING OR ENTRAPMENT, ALWAYS TURN POWER TO SPA OFF BEFORE CLEANING THE FILTER CARTRIDGES!
Note: Refer to steps on following page for complete filter cleaning/ replacement instructions. Make sure to remove the Frog @ease cartridge holder prior to removing the filter.

A ⚠ **DANGER: TURN POWER TO SPA OFF! TO DECREASE RISK OF DEATH, DROWNING, OR ENTRAPMENT, NEVER OPERATE SPA WHEN FILTER IS NOT PROPERLY INSTALLED OR IF SKIMMER ASSEMBLY IS DAMAGED OR ALTERED!** ⚠

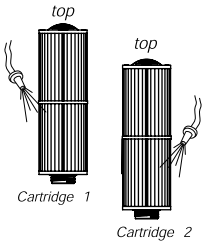
B	C	D
	 (Filter Cover Back View)	
Lift upward on filter cover to remove it from the mating retaining clips. Then tilt forward to access filter cartridges.	Remove skimmer bag from clips, then clean out debris.	Rotate each filter cartridge handle counterclockwise to unthread from mating wall fitting.

E



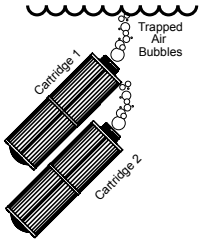
Lift unthreaded filter cartridge from skimmer well.

F



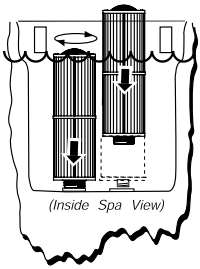
If used, remove the chemical feeder as instructed prior to rinsing the filter cartridges. Rinse debris from filter pleats on each cartridge using a garden hose and high pressure nozzle. Start at the top and work downward towards handle. Repeat until all pleats are clean.

G



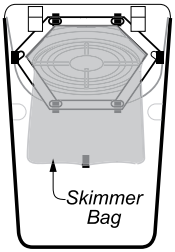
Submerge both filter cartridges in spa. Tilt threaded end upward to remove trapped air bubbles, then keep cartridges submerged to prevent air entrapment during installation (step H).

H



Place each cartridge back into skimmer well, then rotated each cartridge handle clockwise to thread back into wall fitting. DO NOT OVERTIGHTEN!

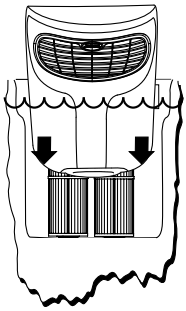
I



(Filter Cover Back View)

Install clean skimmer bag back onto the filter cover clips as shown.

J



Tilt filter cover back then gently press down to latch against retaining clips. Turn power to spa back on.

Periodically, the filter cartridge will need a more thorough cleaning to remove imbedded oils and minerals. For this, we suggest cleaning followed by soaking the filter overnight in a plastic container filled with a solution of water and specially formulated filter cleanser available from your authorized Jacuzzi dealer. The average life expectancy of each filter is approximately two years with proper care and water quality maintenance. Replacement cartridges may be purchased from your authorized Jacuzzi dealer.

12.2 Draining and Refilling

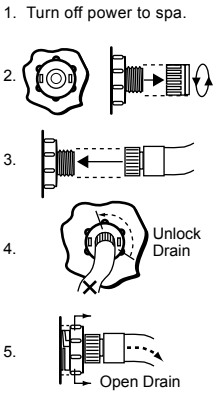
About every 3 months, you will want to replace the spa's water. The frequency depends on a number of variables including the amount of use, attention paid to water quality maintenance, etc. You will know it is time for a change when you cannot control sudsing and/or you can no longer get the normal feel or sparkle to the water even though the key water balance measurements are all within the proper parameters.

CAUTION! READ THIS BEFORE DRAINING: To prevent damage to the spa's components, turn off power to the spa at the circuit breaker before draining it. Do not turn the power back on until your spa has been refilled.

CAUTION: There are certain precautions to keep in mind when draining your spa. If it is extremely cold, and the spa is outdoors, freezing could occur in the lines or the equipment, see "WINTERIZING" (page 44). On the other hand, if it is hot outdoors, do not leave the spa's surface exposed to direct sunlight.

To drain your spa, perform the following steps:

1. Turn off power to spa at breaker.
2. Locate the drain valve on the front/lower plastic pan. Hold the larger (rear) body to prevent it from turning, then loosen and remove the front cap to expose the underlying male hose threads.
3. Attach a garden hose to the exposed threads.
4. Gently rotate the larger (rear) valve body 1/3 turn counterclockwise to unlock the drain valve.
5. Pull the larger (rear) body outward to open drain.
6. After the spa drains, perform steps 2-5 in reverse order to close the drain prior to refilling the spa.

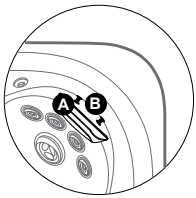


After refilling, turn on power to the spa and follow the steps listed under "Spa Fill Up Procedure" (page 18). If an airlock occurs, see troubleshooting section page 54.

12.3 Pillow Care

Remove and clean the headrest pillows as needed with soapy water using a cloth or soft-bristle brush. Always remove the pillows when adding chemical shock treatment to the spa water (except for the HydroSoothe™ pillow). The pillows can be returned to the spa when the sanitizer reading is stable as recommended on the inside cover of the manual.

Note: The HydroSoothe™ pillow cannot be removed from the front. Do not pull the pillow. The mounting hardware for the HydroSoothe™ pillow is different from the standard pillow. Reference to page 24 for the pillow location.



To remove **standard** pillows:

1. Grasp pillow insert (A) with finger tips and gently pry outward from pillow base (B).
2. Assemble in reverse order after cleaning.

12.4 Cleaning The Spa Interior

To preserve the sheen of your spa's surface, it is crucial that you avoid using abrasive cleaners or cleaners which have adverse chemical effect on the surface. If you are not certain as to the suitability of a particular cleanser, consult your authorized Jacuzzi dealer. Regardless of the cleanser used, use extreme care to assure that no soap residue is left on the surface. This could cause severe sudsing when the spa is refilled.

12.5 Cover Care and Maintenance

Covers distributed by Jacuzzi Hot Tubs have PROLAST™/PROLAST™ Extreme encasement. The PROLAST™/PROLAST™ Extreme encasement also referred to as the cover "skin" is attractive and durable. Regular monthly cleaning is strongly recommended and may increase the longevity of your cover. Jacuzzi chemicals are for use in the U.S. only.

Note: It is highly recommended that you DO NOT put the seam over the control panel. This will cause premature failure of the control system.

A. **To Clean the Cover**

1. Use a garden hose to loosen debris and dirt.
2. Using a large sponge or a soft bristle brush, use diluted or mild soap and scrub the top.
3. Rinse clean and do not allow soap to dry on cover. Do not use soap on the underside of the cover.
4. Do not use solvents, abrasive cleaners or strong detergents. Do not use products that contain silicone or alcohol.

B. **Additional Care and Maintenance Instructions:**

1. Debris can accumulate on the spa cover. Removal of snow or other debris will help to avoid breakage of the foam cores.
2. Be sure to lock the cover straps to secure the cover from unwanted or accidental entry.
3. Do not place heavy objects on the cover.
4. Do not walk, sit or stand on the cover.
5. Do not drag or use the flaps/skirt or the cover lock straps to remove the cover.
6. Use only recommended cover lift systems.
7. Use only chemicals and cleaners recommended by Jacuzzi.
8. Remember to keep spa covered when not in use. Maintaining proper water levels assures efficient operation and efficient electrical usage.
9. Do not expose your spa to the sun for extended periods of time as UV rays can damage the interior surface.
10. Use caution when removing cover. Before removing cover, assure all locks have been released to avoid lock breakage and or cover strap damage.

12.6 Tool Free Access Door

The Tool Free Access door provides fast access to the equipment bay and components without the need of tools. To remove the door, follow the steps below.

Figure 1

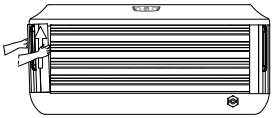


Figure 2

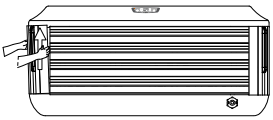


Figure 3

1. Grab one of the corner panels, from the top, where it touches the shell. Then gently pull the panel forward to unsnap it from the holding clips, Figure 1. Tilt the panel forward and then lift up to remove, Figure 2. Place the panel in a safe location to prevent from damaging it. Repeat the steps to remove the other corner panel.

Note: The corner exterior lights on the panels are connected to the light wires. Take care when removing the corner panels to avoid damaging the wires.

2. Grab the bottom of the front panel and slightly lift to release it from the top mount. Tilt the panel and pull down to remove, Figure 3. Place the panel in a safe location to prevent from damaging it.

3. To reinstall the panel just follow the steps above in reverse order.

Note: Exposure of the cabinet to heat could cause the cabinet to warp. Should the cabinet warp, once it is installed, the warping is not visible. However, it does make the removal and replacement a little more challenging.

12.7 Maintaining the Spa Cabinet

Your new spa's cabinet requires little or no maintenance of any kind. To clean, simply wipe cabinet with a clean towel and mild soap solution.

> **CAUTION:** Never spray cabinet with a garden hose for any reason since this action may induce an electrical short in the spa's electrical equipment.

12.8 Winterizing

Your Jacuzzi spa is designed to automatically protect itself against freezing when operating properly. During periods of severe freezing temperatures, you should check periodically to be certain that the electrical supply to the spa has not been interrupted. **In extreme bitter cold weather, less than 32°F (0°C), program the primary filtration cycle to run for 24 hours to prevent freezing (page 31).**

If you do not intend to use your spa, or if there is a prolonged power outage during periods of severe freezing temperatures, **it is important that all water be removed from the spa and equipment to protect against damage from freezing.**

Expert winterization of your spa is highly recommended, contact your authorized Jacuzzi dealer. In emergency situations, damage can be **minimized** by taking the following steps:

CAUTION: TURN OFF POWER TO HOT TUB!

1. Turn off power to the spa.
2. Follow the directions on page 41 for draining the spa.
3. Turn the massage/diverter selector(s) into the middle combo position to allow the water in the plumbing lines to drain, page 27.
4. Turn the HyrdroSoothe™ pillow and waterfall valve(s) to the open position to allow the water in the plumbing lines to drain, pages 27-28.
5. Open all the air controls and leave them open until you resume use of the spa, page 28.
6. As the water level drops below the seats, use whatever means necessary to get the water out of the recessed seating areas and into the footwell, such as a wet/dry vacuum.
7. When the water level ceases to drop, use whatever means available to remove any remaining water from the foot well, such as a wet/dry vacuum.
8. Remove the synthetic cabinet panel under the control panel and locate the drain plugs on the front of the pump(s), (Figure A, page 16). Remove plugs to allow water to drain out of pumps and heater.

Note: Approximately one to two gallons will be released during this procedure. Use a wet/dry vacuum or other means to keep this from flooding the equipment compartment. Replace the drain plugs.

9. Loosen the hose clamp on the circulation pump intake behind the control box (Figure A, page 16) and pull the hose off (twist hose back and forth while pulling outward). Tip hose down and allow to drain, then reinstall hose and clamp.
10. Loosen hose clamp at bottom of CLEAR**RAY**® unit and pull hose off of CLEAR**RAY** fitting (twist the hose back and forth while pulling downward). Tip hose down and allow to drain. Then reinstall hose and clamp. Remove the cover of the CLEAR**RAY** unit to access the UV bulb and quartz tube. Remove and store the UV bulb in a safe location. Remove and dry off the quartz tube then reinstall it. Depending on the length of time, consider replacing the UV bulb when you resume use of your hot tub.
11. Reinstall synthetic cabinet side panel and cover spa so that no casual moisture can enter into it.

Consult your authorized Jacuzzi dealer if you have any questions regarding winter use or winterizing.

12.9 Restarting Your Spa in Cold Weather

If you want to start up your spa after it has sat empty for a time in freezing temperatures, be aware that the water remaining in certain sections of the piping may still be frozen. This situation will block water flow preventing the spa from operating properly and possibly damaging the equipment. We recommend you consult your authorized Jacuzzi dealer for guidance before attempting to restart your spa under these conditions.

13.0 Water Quality Maintenance

To decrease the risk of contracting a waterborne illness (e.g. an infection, bacteria or virus) and/or respiratory ailments, maintain water quality within specified limits. This will enhance your enjoyment and prolong the life of the hot tub's equipment. Doing so requires regular attention because the water chemistry involved is a balance of several factors. Procrastination in regard to water maintenance will result in poor and potentially unhealthful conditions for soaking and even damage to your hot tub investment. For specific guidance on maintaining water quality, consult your Authorized Jacuzzi dealer who can recommend appropriate chemical products for sanitizing and maintaining your hot tub.

WARNING: FAILURE TO MAINTAIN WATER QUALITY WILL:

- Increase risk of contracting a waterborne illness (e.g. an infection bacteria or virus) and/or respiratory ailments.
- Damage the equipment, components and spa shell, which are not covered under the hot tub's warranty.

CAUTION: Never store hot tub chemicals inside the hot tub's equipment bay. The equipment bay may reach elevated temperatures, this is where high voltage electronic devices are located. This area is not intended for storage of any kind.

13.1 pH Control

pH is a measure of relative acidity or alkalinity of water and is measured on a scale of 0 to 14. The midpoint of 7 is said to be neutral, above which is alkaline and below which is acidic. In spa water, it is very important to maintain a slightly alkaline condition of 7.4 to 7.6 pH. Problems become proportionately severe the further outside of this range the water gets. A low pH will be corrosive to metals in the spa equipment. A high pH will cause minerals to deposit on the interior surface (scaling). In addition, the ability of the sanitation agents to keep the spa clean is severely affected as the pH moves beyond the ideal range. That is why almost all spa water test kits contain a measure for pH as well as the sanitizer.

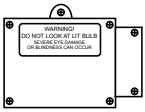
13.2 Sanitizing

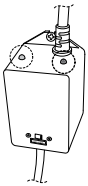
To destroy bacteria and organic compounds in the spa water, a sanitizer must be used regularly. Chlorine and bromine are the two most popular sanitizers used to date. The "Proclear Mineral Spa Clarifier" designed especially for your hot tub is a beneficial product for water maintenance. Many other additives are available for your spa. Some are necessary to compensate for out-of-balance water; some aid in cosmetic water treatment and others simply alter the feel or smell of the water. Your authorized Jacuzzi dealer can advise you on the use of these additives. When adding spa shock (chlorine or non-chlorine) or pH balancing chemicals activate the jets pump(s) and leave the spa cover open for a minimum of 20 minutes. By doing this you will allow excessive chemical vapors to exit the spa, protecting pillows and plastic knobs from chemical attack.

WARNING: RISK OF PERSONAL INJURY, DROWNING OR ENTRAPMENT!
Never leave your hot tub unattended for any reason while the cover is open and accessible, especially to small children and animals!

CAUTION: RISK OF PERSONAL INJURY OR SPA DAMAGE!
Never add chlorine tablets (trichlor) or acid to your hot tub for any reason! These chemicals may damage components within your hot tub, burn or irritate your skin, create a rash and void the manufacturer warranty for your spa.

13.3 CLEARRAY Active Oxygen™ System





Your new hot tub has the CLEARRAY Active Oxygen™ System installed. The CLEARRAY Active Oxygen™ System is an exclusive technology utilizing ultraviolet light and ozone technology to help keep your water clean*. The ballast is the power supply for the CLEARRAY Active Oxygen™ System; it has two LED indicator lights, the green indicating incoming power flow and the red indicating the system is properly working. CLEARRAY Active Oxygen™ is standard for all models.

After a year the bulb must be replaced. A message will appear on the LCD display when the time allotted has expired. In order to clear the message, a new UV bulb needs to be installed and the timer must be reset (page 34).

WARNINGS:

- Do not operate the UV-C emitter when it is removed from the appliance enclosure.
- This appliance contains a UV-C emitter.
- Unintended use of the appliance or damage to the housing may result in the escape of dangerous UV-C radiation. UV-C radiation may, even in little doses, cause harm to the eyes and skin.
- Appliances that are obviously damaged must not be operated.
- Read the maintenance instructions before opening the appliance.

*Clean is defined as the removal of microscopic (to 30 µm level) debris from the water. Ozone aids in the grouping of small debris. Once combined, the debris can be more easily caught by the filtration process.

13.4 CLEARRAY® Bulb Replacement and Quartz Tube Maintenance

Important: It is **MANDATORY** that the UV bulb is replaced and the quartz tube be cleaned every 12 months to maintain optimum performance.

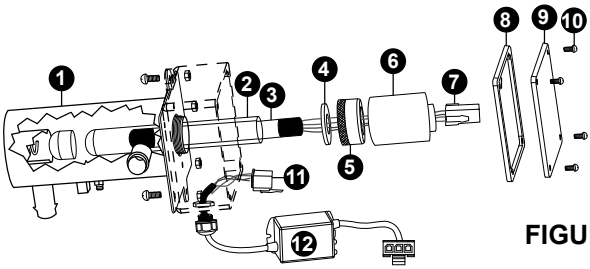


FIGURE 1

DANGER: TURN THE SPA BREAKER TO THE OFF POSITION!

DANGER: DRAIN THE SPA IF YOU ARE REPLACING OR CLEANING THE QUARTZ TUBE!

WARNING: ALLOW LAMP TO COOL DOWN PRIOR TO REMOVING FROM QUARTZ TUBE.

DANGER: NEVER LOOK AT THE LIT BULB. THIS CAN CAUSE SEVERE EYE DAMAGE OR BLINDNESS.

UV BULB REPLACEMENT AND QUARTZ TUBE MAINTENANCE:

Note: Location of CLEAR**RAY** System and connection may vary by model.

1. Turn the breaker to the spa OFF. DRAIN YOUR SPA.

Note: If you are only replacing the UV bulb then the spa does not have to be drained. You will need to drain it if you are replacing or cleaning the quartz tube.

2. Once the UV bulb has cooled off remove the CLEAR**RAY** System enclosure cover (9) and gasket (8) by removing the four screws (10). This will expose the UV bulb and connections, Figure 2.

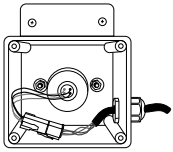


FIGURE 2

DANGER: NEVER REMOVE COVER WITHOUT FIRST TURNING OFF AT POWER SOURCE AND DRAINING THE SPA.

FIGURE 3

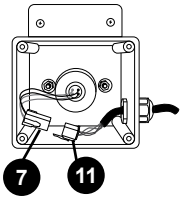


FIGURE 4

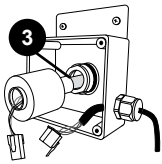


FIGURE 5

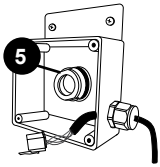
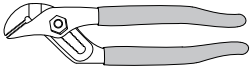


FIGURE 6



3. Disconnect UV bulb socket (7) from the power cord socket (11), Figure 3.
4. Slowly remove the UV bulb (3) out of the quartz tube, Figure 4.
5. Remove the quartz seal compression nut (5) by turning it **counterclockwise,** Figure 5. Use a pair of channel-lock pliers if needed, Figure 6. You will notice that there is a stainless steel compression washer (4) which slides over the quartz tube, save the washer (4) for later use, Figure 7.

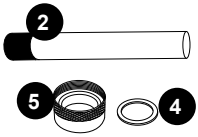


FIGURE 7

6. Now you are ready to clean or replace the quartz tube (2). For cleaning the quartz tube (2), follow steps 7 and 8 then proceed from step 9. For replacing quartz tube (2), skip steps 7 and 8 and proceed from step 9.
7. **Cleaning quartz tube:** Clean the quartz tube by wiping, until clear, using a paper towel or a dry cotton cloth. If needed, a household tub and shower lime removal product can be used.

> ⚠ **WARNING**: Do not use abrasive cleaners as they can scratch the quartz tube surface.

8. Rinse the quartz tube with clean water to completely remove any cleaning products that were used in step 7.
9. **Replacing quartz tube:** You will notice that the new quartz tube does not have a black cushion on the domed end as the old quartz tube does. This is normal as the cushion was provided with the original quartz tube to protect it from breakage during transportation. Place the new quartz tube (2) into the water chamber (1) with the domed end first making sure it is inserted and seated inside the quartz end holder. Only a small portion will be exposed when it is seated correctly.
10. Reinstall the compression washer (4) over the open end of the quartz tube (2).
11. Reinstall and hand tighten the quartz seal compression nut (5) by turning it **clockwise**.
12. Refill your spa.
13. **System Test 1:** Assure there is no water dripping from the seal compression nut (5). If water is visible, STOP and tighten the compression nut (5) using a pair of channel lock pliers to a maximum of 1/4 turn. If that does not fix the leak, then repeat quartz tube maintenance process from step 1 through step 12. Make sure there is no water leaking before proceeding to step 14.

14. **System Test 2:** Reconnect the CLEAR**RAY** unit to the controller. Turn breaker back ON. Turn on the pump to circulate the water through the CLEAR**RAY** System. Wait for 5 minutes and assure no water is dripping. If water is visible, STOP, fix the leak by repeating quartz tube maintenance process from step 1 through step 13. **Make sure there is no water visible. Turn the pump and breaker OFF BEFORE proceeding to step 15.**
15. Reconnect the UV bulb socket (7) to the power cord socket (11) make sure you use the latex glove provided when handling the UV bulb.

> ⚠ **WARNING: DO NOT TOUCH THE NEW UV BULB WITH YOUR BARE HAND.** Oil on your skin will cause hot spot on the UV bulb and shorten the life of your UV bulb. Use the provided latex glove to handle the UV bulb.

16. Slide the new UV bulb (3) back inside the quartz tube.
17. Reinstall the black bulb boot (6) back over the quartz seal compression nut (5).
18. Reinstall the enclosure cover (9) with gasket (8) and secure with the screws.
19. Properly dispose of the old UV bulb.

> ⚠ **WARNING:** This CLEARRAY System includes a UV bulb, which contains mercury. Dispose of the bulb in accordance with disposal laws. See www.lamprecycle.org.

20. Once power is activated you can check the ballast (12), Figure 8, to see if the CLEAR**RAY** unit is functioning; it has two LED indicator lights the green indicating incoming power flow and the red indicating the system is properly working.

FIGURE 8

14.0 Error Conditions/Error Messages

Your spa has a self-diagnostic control system. The system will automatically display the following if a problem is detected. **Always insist on genuine Jacuzzi replacement parts.**

14.1 Summer Logic

When the actual spa water temperature reaches 2°F (1°C) above the set temperature, the spa goes into “summer logic.” The circulation pump will turn off automatically, if running, to avoid adding additional heat to the water, eventually creating an overheat condition. The filter/circulation pump, CLEARRAY Active Oxygen™ and the secondary filtration will remain off until the water temperature cools to the set temperature (except when the filter/circulation pump runs for it’s mandatory 3-hour cycles between 8am-11am and 8pm-11pm.) To help prevent a “Summer Logic” condition, it may be necessary to reduce filter/circulation pump cycles run times in warm weather. This setting is not user-programmable.
Note: Summer logic does not take effect until the spa water temperature reaches 95°F (35°C). This condition is more likely in excessively hot weather. Remember, the spa’s ability to cool is directly affected by the ambient temperature. An excessively hot ambient temperature may prevent the spa from cooling down because it’s fully insulated construction is designed to retain heat and minimize operating costs.

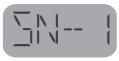
14.2 Panel Displays COOL

Cool Condition - Temperature has dropped 20°F (11°C) below the current set temperature. The circulation pump and the heater have been activated to bring the temperature within 15°F (8°C) of the set temperature. No corrective action is required!
Note: This condition is common during first time fill ups or during refills since tap water is often very cold.

14.3 Panel Displays ICE

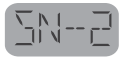
Freeze Protection - A potential freeze condition has been detected. No action is required. Water temperature is below 55°F (12.78°C). Jets Pump 1, Jets Pump 2 and the circulation pump will activate for 10 minutes, then turn off. Then the circulation pump and the heater will activate for 10 minutes. The two cycles shall repeat until the water temperature reaches 65°F (18.33°C). See “Winterizing” (page 44).

14.4 Panel Displays SN--1



Open sensor (heater is disabled) or shorted sensor (spa is deactivated). The high-limit temperature sensor is not functioning. Contact your authorized Jacuzzi dealer or qualified service technician. The display will alternate between ***“SN--1”,*** scrolling message ***“HI-LIMIT SENSOR ERROR”*** and the current water temperature.

14.5 Panel Displays SN--2



Open or shorted sensor (heater disabled). The temperature sensor is not functioning. Contact your authorized Jacuzzi dealer or qualified service technician. The display will alternate between ***"SN--2",*** scrolling message ***"WATER SENSOR ERROR"*** and the current water temperature.

14.6 Panel Displays Change CLEARRAY Bulb

The CLEAR**RAY** bulb timer has expired. UV bulb needs to be replaced. The display will alternate between the current temperature reading and the scrolling message ***"CHANGE CLEARRAY BULB"*** as long as the error exists. The countdown timer for the UV bulb needs to be reset (page 34). A new UV bulb can be purchased from a local Jacuzzi dealer.

14.7 Panel Displays Change Filter

The filter change timer has expired. The spa filters need to be cleaned or replaced. The display will alternate between the current temperature reading and the scrolling message ***"CHANGE FILTER"*** as long as the error exists. The countdown timer for the Change Filter feature needs to be reset (page 34). New filters can be purchased from a local Jacuzzi dealer.

14.8 Panel Displays Change Water

The water refresh timer has expired. The spa needs to be drained and refilled. The display will alternate between the current temperature reading and the scrolling message ***"CHANGE WATER"*** as long as the error exists. The countdown timer for the Change Water feature needs to be reset (page 35).

14.9 Panel Displays FL--1

An ***"FL--1"*** display means the flow switch is malfunctioning open, the filter cartridge is excessively dirty or an "air lock" condition has occurred at the circulation pump intake. The spa heater will deactivate and jets pump #1 may also deactivate. Contact your authorized Jacuzzi dealer or qualified service technician. The display will alternate between ***"FL--1,"*** scrolling message ***"FLOW ERROR OPEN"*** and the current water temperature.

14.10 Panel Displays FL--2

An ***"FL--2"*** display means the flow switch is malfunctioning closed. The spa heater will deactivate and jets pump #1 may also deactivate. Contact your authorized Jacuzzi dealer or qualified service technician. The display will alternate between ***"FL--2,"*** scrolling message ***"FLOW ERROR CLOSED"*** and the current water temperature.

14.11 Panel Displays FL--3

An ***"FL--3"*** display means the flow switch is behaving erractically. The spa heater will deactivate and jets pump #1 may also deactivate. Make sure to clean the filter(s) and correct proper water level before contacting your dealer or service organization. The display will alternate between ***"FL--3,"*** scrolling message ***"FLOW ERROR TOGGLE"*** and the current water temperature.

14.12 Panel Displays HOT

The Jets Pump 1 has activated to circulate water through the heater and the display will show ***"HOT."*** After 5 min. the display will alternate between ***"T--OH"*** and the current water temperature. Contact your authorized Jacuzzi dealer or qualified service technician.

14.13 Panel Displays T--OH

> ⚠ **WARNING: RISK OF HYPERTHERMIA (OVER-HEATING) CAUSING SEVERE INJURY, BURNS, OR WELTS.**

Water temperature is above acceptable limits. **DO NOT ENTER SPA!** Water temperature has reached 112°F (44°C). The circulation pump has activated to circulate water through heater. Contact your authorized Jacuzzi dealer or qualified service technician. The display will alternate between ***"T--OH"*** and the current water temperature.
Note: As a safety measure, the red lights of the spa will flash on and off as an indication that the spa is in an overheat condition.

To correct condition:

- Remove the spa's cover and allow your spa to cool down.
- Program the heater settings for Economy Mode (page 33). Raise water temperature setting to cancel Summer Logic condition (page 51).
- If the condition persists, contact your authorized Jacuzzi dealer.

14.14 Panel Displays H--OH

> ⚠ **WARNING: RISK OF HYPERTHERMIA (OVER-HEATING) CAUSING SEVERE INJURY, BURNS, OR WELTS.**

Hi-limit temperature is above acceptable limits. **DO NOT ENTER SPA!** Water temperature has reached 112°F (44°C). The circulation pump has activated to circulate water through heater. Contact your authorized Jacuzzi dealer or qualified service technician. The display will alternate between ***"H--OH"*** and the current water temperature.
Note: As a safety measure, the red lights of the spa will flash on and off as an indication that the spa is in an overheat condition.

14.15 Panel Displays (-- -- -- --)

> ⚠ **WARNING: RISK OF HYPERTHERMIA (OVER-HEATING) CAUSING SEVERE INJURY, BURNS, OR WELTS.**

-- -- -- --

Water temperature is above acceptable limits. **DO NOT ENTER SPA!** The safety "Watchdog" software has been triggered and the spa is deactivated. A problem has been detected which could cause damage to the spa or its components. The display will alternate between ***"-- -- -- --"*** and the scrolling message ***"WATCHDOG CALL FOR SERVICE"*** as long as the error exists. Contact your authorized Jacuzzi dealer or qualified service technician.
Note: As a safety measure, the red lights of the spa will flash on and off as an indication that the spa is in watchdog condition.

14.16 Panel Displays GFCI Trip

The spa has detected an unsafe condition and has tripped the GFCI circuit breaker. The condition was caused by excessive heat.

15.0 Troubleshooting Procedures

In the event your Jacuzzi spa is not working the way it should, please first review all the installation and operating instructions in this manual and check for messages on the panel display. If you are still not satisfied it is working properly, please follow the appropriate troubleshooting instructions below. **Always insist on genuine Jacuzzi replacement parts.**
Note: If any of the supply cords to accessories are damaged, they must be replaced by authorized service personnel. Contact your authorized Jacuzzi dealer or qualified service technician.

15.1 FL--1 and FL--2

To try an correct an FL--1 and FL--2 condition perform the following:

1. Turn power off!
2. Verify water level is above all jets but below lowest pillow. Add water if necessary.
3. Check for clogged or dirty filter cartridge (Sec. 12.1, page 38).
4. Purge "air lock" from circulation pump intake by removing filter cartridge. Hold your garden hose over the filter cartridge wall fitting while using a rag as a seal around hose end. Ask a helper to turn on water for 30 seconds, then turn off. Reinstall filter cartridge and check spa (Sec. 12.1, page 38).
5. If the circulation pump is not running, turn power off at the main breaker, then turn power back on.
6. If problem persists, contact your authorized Jacuzzi dealer.

15.2 FL--3

Make sure to clean the filter(s) and correct proper water level before contacting your dealer or service organization.

15.3 None of the Components Operate (e.g. Pump, Light)

Check the following:

1. Is there power to the spa?
2. Is the household circuit breaker tripped?
3. Contact your authorized Jacuzzi dealer or qualified service technician.

15.4 Pump Does Not Operate

Press the JETS 1 button. If no water movement is detected, make sure power is going to the spa and check the water level. If this does not solve the problem, contact your authorized Jacuzzi dealer or qualified service technician. The main jets pump 1 operates but no water flows to jets. Check the following:

1. Jets may all be closed. Verify all jets are in the open “on” position (Sec. 10.6, page 27).
2. Pump may not be properly primed. This can happen after the spa is drained and refilled. Press the JETS 1 button on the control panel several times, never leaving the motor running for more than 5 to 10 seconds at a time. Turn power off and let the air out of spa plumbing system by removing the filter cartridge (Sec. 12.1, page 38). Make certain you reinstall the filter cartridge before turning on spa power and restarting the jets pump 1.

15.5 Poor Jet Action

- Make sure all jets are in the full open “on” position (page 27).
- Press the JETS 1 button to make certain pump #1 is on.
- Verify all air controls are in the “on” position by pressing down on their Jacuzzi Logo (page 28).
- Check for dirty filter. Clean, if necessary (Section 12.1, page 38).

15.6 Water is Too Hot

Reduce thermostat setting.

15.7 No Heat

1. Check thermostat setting.
2. Keep the spa cover in place while heating.
3. Check the settings to see if your spa is in economy mode (page 33).

Should checking the above steps fail to correct the problem, please call your Jacuzzi Hot Tub dealer so that they may arrange service. We build the best spas in the industry. Nonetheless, we are always striving to improve the quality and features of our products.

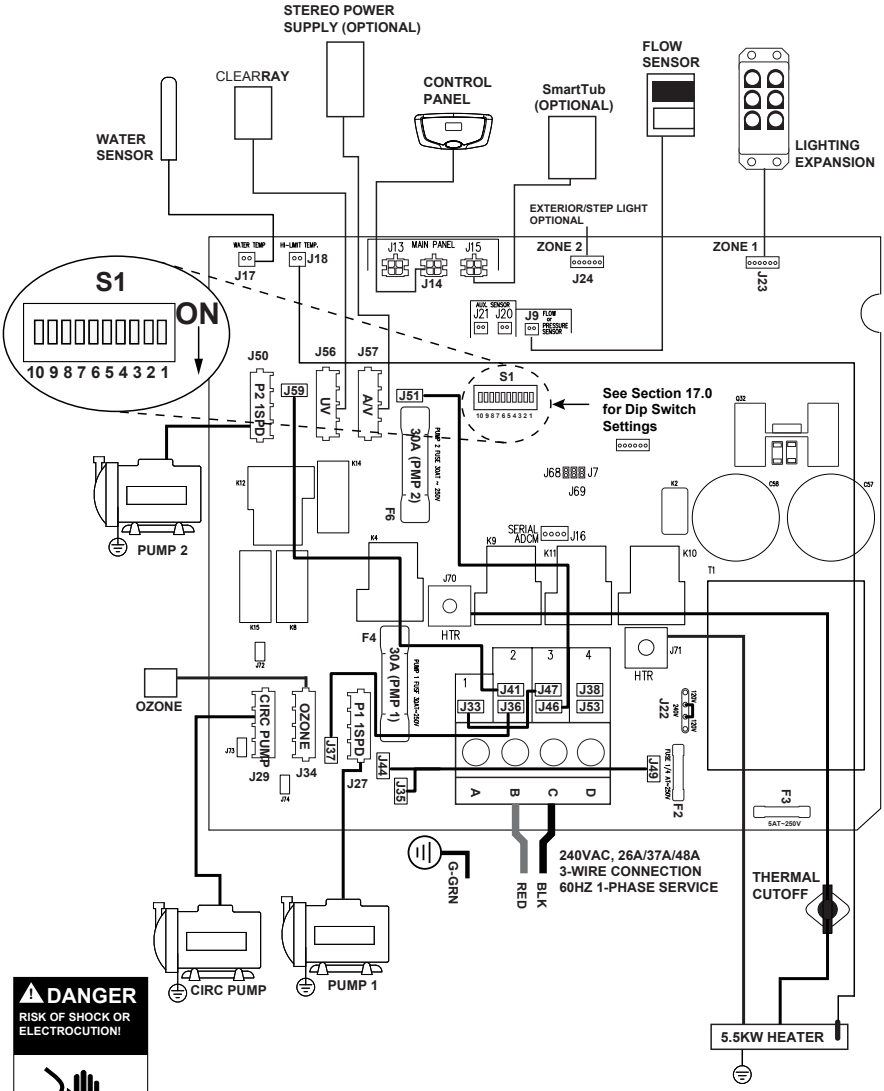
Your input as a Jacuzzi spa owner is a cherished part of this process. If you have any comments or suggestions, or if you wish to be informed on any new products for your spa, please write to us.

CONGRATULATIONS on your good taste and welcome to the happiest and most relaxed family in the world!

16.0 Circuit Board Diagrams

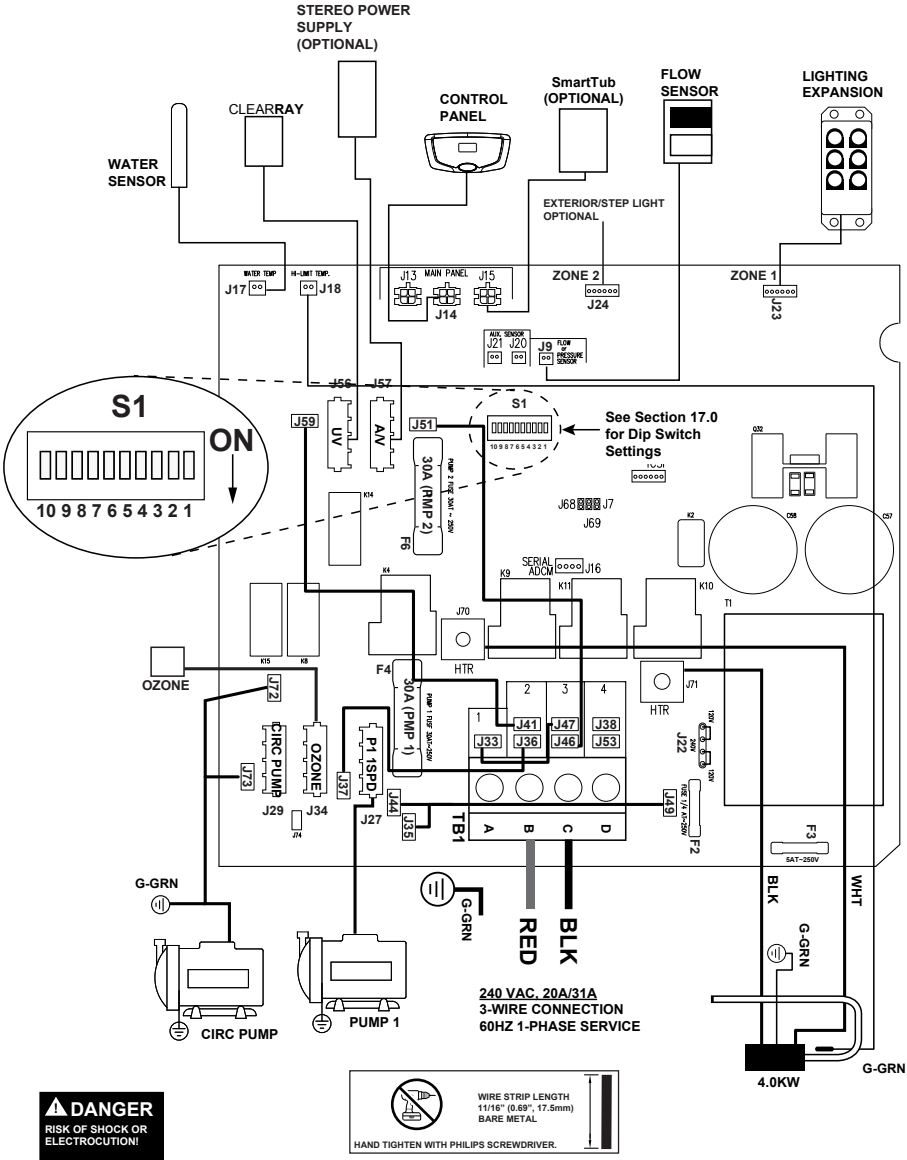
16.1 J-335, J-345, J-355, J-365, J-375 and J-385 Dedicated Power Models (60 Hz)

This wiring diagram is used for 240V (60 Hz) dedicated power models.



16.2 J-315 and J-325 3-Wire 240V 60Hz Dedicated Power Models

This wiring diagram is used for a 3-Wire 240V 60 Hz dedicated power models.



DANGER
RISK OF SHOCK OR ELECTROCUTION!

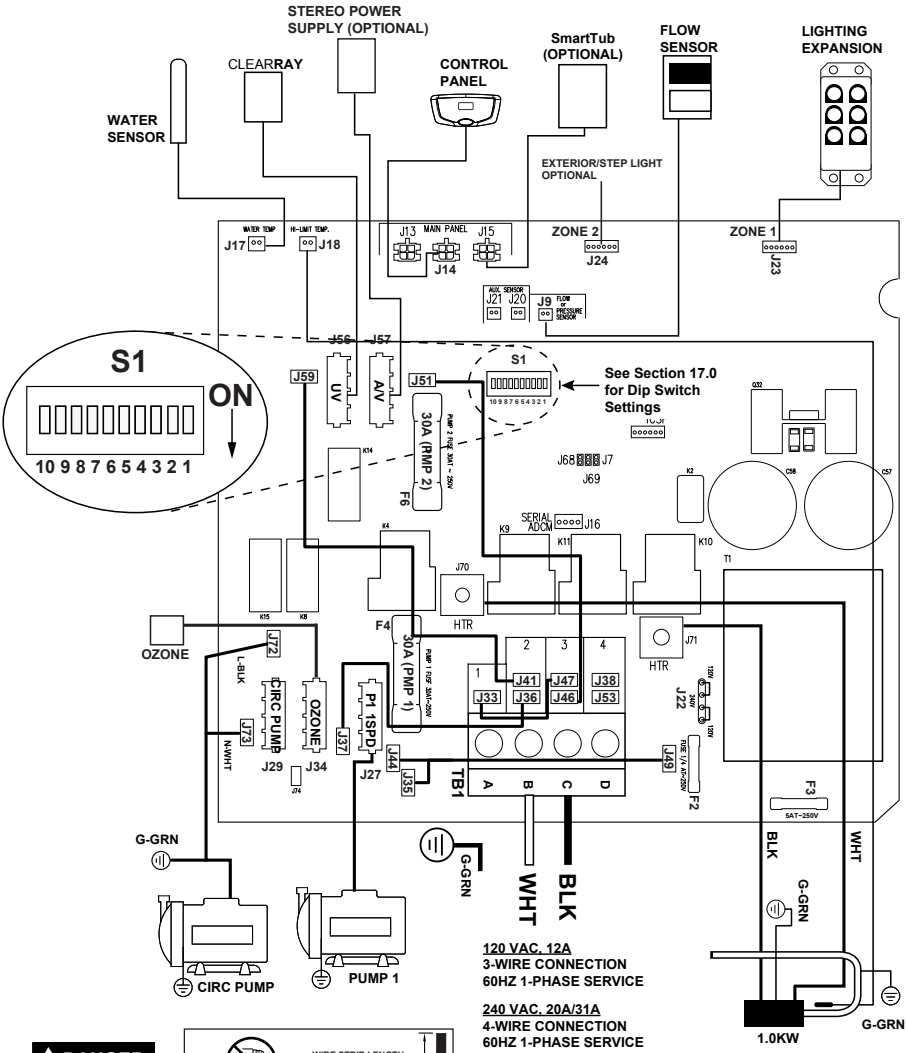
Turn power off before servicing. This task should only be performed by a qualified technician.

WARNING: Determine the electrical requirements when working on J315 and J325 models. These models are available in a dedicated 240V 60Hz or 120V/240V 60Hz convertible configuration.

16.3 J-315 and J-325 Convertible Power Models (For a 3-wire 120V 60 Hz connection)

This wiring diagram is used for all North American 120V 60 Hz convertible power models.

Note: Refer to Section 16.4 for a 4-wire 240V connection.



DANGER
RISK OF SHOCK OR ELECTROCUTION!

Turn power off before servicing. This task should only be performed by a qualified technician.

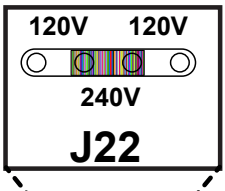
WARNING: Determine the electrical requirements when working on J315 and J325 models. These models are available in a dedicated 240V 60Hz or 120V/240V 60Hz convertible configuration.

16.4 J-315 and J-325 Convertible Power Models (For a 4-wire 240V 60 Hz connection)

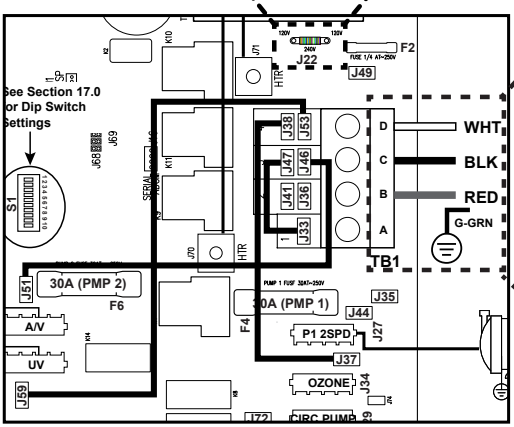
CAUTION: THIS SECTION IS NOT APPLICABLE TO THE J315 AND J325 DEDICATED 3-WIRE 240V 60HZ MODELS.

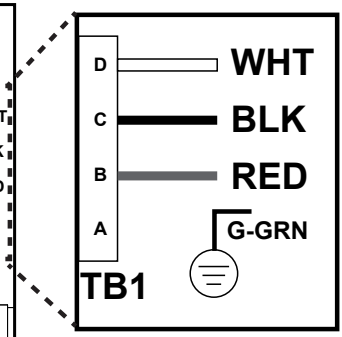
This wiring diagram is used for all North American 240V 60 Hz convertible power models.Converted 240V models must be permanently connected (hard-wired) to the power supply.

Note: 240 VAC 4-wire connection enhances heater output from 1kW to 4kW.



Location J22
remove one logic jumper and place the other across the 240V pins, as shown

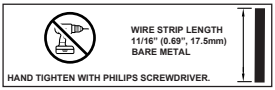




TB1 terminal
White wire must be connected to location D and a second hot wire connected (**RED**), as shown

FROM	TO
J37	J38
J51	J46
J59	J53
J33	J47
J22	1 jumper

Jumper wires
The sequence of the jumper wires must be changed, as shown

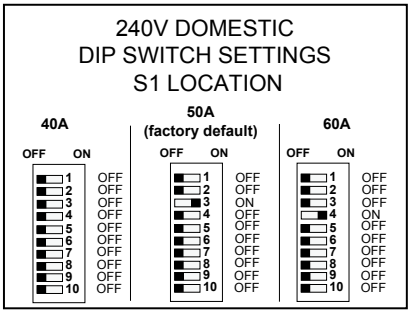


17.0 Dip Switch Settings and Wiring

17.1 Switch settings for Domestic 60Hz Models

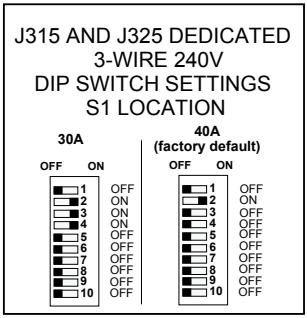
The dip switches are at the S1 location on the board.

A. **J335 to J385 Models**



BREAKER	DIP SWITCH NUMBER									
	1	2	3	4	5	6	7	8	9	10
40A	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF
50A*	OFF	OFF	ON	OFF	OFF	OFF	OFF	OFF	OFF	OFF
60A	OFF	OFF	OFF	ON	OFF	OFF	OFF	OFF	OFF	OFF
*50A is the factory default setting										

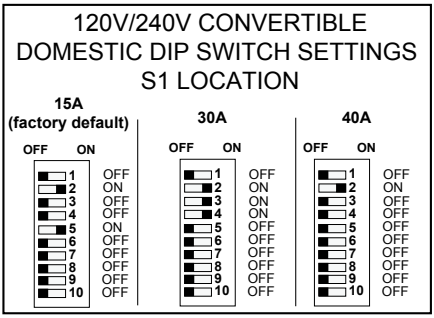
B. **J315 and J325 3-Wire 240V Dedicated Models**



BREAKER	DIP SWITCH NUMBER									
	1	2	3	4	5	6	7	8	9	10
30A	OFF	ON	ON	ON	OFF	OFF	OFF	OFF	OFF	OFF
40A*	OFF	ON	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF
*40A is the factory default setting										

WARNING: Determine the electrical requirements when working on J315 and J325 models. These models are available in a dedicated 240V 60Hz or 120V/240V 60Hz convertible configuration.

C. **J315 and J325 Convertible Models**



BREAKER	DIP SWITCH NUMBER									
	1	2	3	4	5	6	7	8	9	10
15A*	OFF	ON	OFF	OFF	ON	OFF	OFF	OFF	OFF	OFF
30A	OFF	ON	ON	ON	OFF	OFF	OFF	OFF	OFF	OFF
40A	OFF	ON	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF
*15A is the factory default setting (GFCI Cord)										

WARNING: Determine the electrical requirements when working on J315 and J325 models. These models are available in a dedicated 240V 60Hz or 120V/240V 60Hz convertible configuration.

18.0 Optional BLUEWAVE® Spa Stereo System

To start enjoying your new stereo receiver, please read the following operation instructions in their entirety.

WARNING: RISK OF ELECTRICAL SHOCK HAZARD EXISTS AND EQUIPMENT DAMAGE! Never install or remove electrical devices (e.g. AUX/Bluetooth) while hands are wet or while sitting partially or fully immersed in the spa!

18.1 Electronic Device Connections and Functions

A. Connecting Your Bluetooth Device:

1. From your Bluetooth device, make sure the Bluetooth setting is ON.
2. Follow the pairing instructions for your Bluetooth device and connect to the “AQUATIC AV” or “BLUEWAVE” device that appears on your screen.
3. If asked for a password, enter the code “0000.”
4. The remote LCD screen will display, “BT AUDIO” if the process was successful.
5. A second Bluetooth device can be paired but only one can be played at a time.

18.2 Stereo Cautions

1. “**CAUTION** - Risk of Electric Shock. Replace components only with identical components.”
2. “**WARNING** - Risk of Electrocution. Do not connect any auxiliary components (for example cables, additional speakers, headphones, additional audio/video components, etc.) to the system.”
3. Do not service this product yourself as opening or removing covers may expose you to dangerous voltage or other risk of injury. Refer all servicing to qualified service personnel.
4. When the power supply connections or power supply cord(s) are damaged; if water is entering the audio/video compartment or any electrical equipment compartment area; if the protective shields or barriers are showing signs of deterioration; or if there are signs of other potential damage to the unit, turn off the unit and refer servicing to a qualified service personnel.