

ProTech™ LED Series Owner's Manual









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1.0 Important Spa Owner Information

Your Jacuzzi® Premium 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 directly exposed to sunlight and high temperatures for an extended period is subject to permanent damage. Damage caused by exposing the spa to this abuse is not covered by 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 6).

Jacuzzi Premium 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



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

- 1. READ AND FOLLOW ALL INSTRUCTIONS BEFORE OPERATING THE SPA!
- 2. WARNING: To reduce the risk of injury, do not permit children to use this product unless they are closely supervised at all times.
- 3. WARNING: A grounding wire connector is provided on this unit to connect a minimum No. 8 AWG (8.4mm²) 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.
- 4. DANGER: *Risk of Accidental Drowning*. Extreme caution must be exercised to prevent unauthorized access by children. To avoid accidents, ensure that children cannot use this spa unless they are supervised at all times.
- 5. DANGER: Risk of Injury. The suction fittings in this spa are sized to match the specific water flow created by the pump. Should the need arise to replace the suction fittings or the pump, be sure that the flow rates are compatible. Never operate the spa if the suction fittings are broken or missing. Never replace a suction fitting with one rated less than the flow rate marked on the original suction fitting.
- 6. DANGER: Risk of Electric Shock. Install at least 5 feet (1.5m) from all metal surfaces. As an alternative, a spa may be installed within 5 feet (1.5m) of metal surfaces if each metal surface is permanently connected (bonded) by a minimum No. 8 AWG (8.4mm²) solid copper conductor attached to the wire connector on the grounding lug, inside the equipment compartment on the equipment box.
- 7. DANGER: *Risk of Electric Shock*. Do not 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.
- 8. ELECTRICAL SUPPLY: The electrical supply for this product must include a suitably rated switch or circuit breaker to open all ungrounded supply conductors to comply with section 422-20 of the National Electrical Code, ANSI/NFPA 70. The disconnect must be readily accessible and visible to the spa occupant but installed at least 5 feet (1.5m) from the spa water.
- 9. WARNING: To Reduce the Risk of Injury:
- A. The water in a 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 and when spa use exceeds 10 minutes.

- B. Since excessive water temperatures have a high potential for causing fetal damage during the early months of pregnancy, pregnant or possibly pregnant women should limit spa water temperatures to 100 °F (38 °C). If pregnant, please consult your physician before using a spa.
- C. 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).
- D. The use of alcohol, drugs, or medication before or during spa use may lead to unconsciousness with the possibility of drowning. 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.
- E. Persons suffering from obesity or a medical history of heart disease, low or high blood pressure, circulatory system problems, or diabetes should consult a physician before using a spa.

3.1 IMPORTANT CSA 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 \$\equiv \text{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 (10mm²).
- 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 (10mm²).
- 5. Save These Instructions:
- A. WARNING: Children should not use spas without adult supervision.
- B. WARNING: Do not use spas unless all suction guards are installed to prevent body and hair entrapment.

- C. WARNING: People with infectious diseases should not use a spa.
- D. WARNING: To avoid injury, exercise care when entering or exiting the spa.
- E. WARNING: Do not use drugs or alcohol before or during the use of a spa to avoid unconsciousness and possible drowning.
- F. WARNING: Pregnant or possibly pregnant women should consult a physician before using a spa.
- G. WARNING: Water temperature in excess of 38 °C (104 °F) may be injurious to your health.
- H. WARNING: Before entering the spa, measure the water temperature with an accurate thermometer.
- I. WARNING: Do not use a spa immediately following strenuous exercise.
- J. WARNING: Prolonged immersion in a spa may be injurious to your health.
- K. WARNING: Do not permit electric appliances (such as light, telephone, radio, television, etc.) within 5 feet (1.5m) of this spa unless factory installed.
- L. CAUTION: Maintain water chemistry in accordance with manufacturer's instructions.
- M. WARNING: The use of alcohol or drugs can greatly increase the risk of fatal hyperthermia in spas.

3.2 HYPERTHERMIA

Prolonged immersion in hot water may induce hyperthermia. 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, and an increase in the internal temperature of the body. The effects of hyperthermia include:

- A Unawareness of impending hazard;
- B. Failure to perceive heat;
- C. Failure to recognize the need to exit spa;
- D. Physical inability to exit spa;
- E. Fetal damage in pregnant women; and
- F. Unconsciousness and danger of drowning.

3.3 CAUTIONS

1. Persons suffering from heart disease, diabetes, high or low blood pressure, and any condition requiring medical treatment, pregnant women, the elderly, or infants should consult with a physician before using a spa.

- 2. The Consumer Products Safety Commission has stated that the water temperature in a spa should not exceed 104 °F (40 °C). Immersion in water in excess of 104 °F (40 °C) can be hazardous to your health.
- 3. Observe a reasonable time limit when using the spa. Long exposures at higher temperatures can cause high body temperature. Symptoms may include dizziness, nausea, fainting, drowsiness, and reduced awareness. These effects could possibly result in drowning.
- 4. Do not use the spa under the influence of alcohol, narcotics, or other drugs. Use of the spa under these conditions may lead to serious consequences.
- 5. Always test the spa water temperature before entering the spa. Enter and exit the spa slowly. Wet surfaces can be very slippery.
- 6. Never bring any electrical appliances into or near the spa. Never operate any electrical appliances from inside the spa or when you are wet unless such appliances are built-in by the manufacturer.
- 7. Proper chemical maintenance of spa water is necessary to maintain safe water and prevent possible damage to spa components.
- 8. Use the straps and clip tie downs to secure the cover when not in use. This will help to discourage unsupervised children from entering the spa and 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.

3.4 GENERAL ELECTRICAL SAFETY INSTRUCTIONS

Your new Jacuzzi Premium 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 Premium 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 11) 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 (8.4mm²) 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 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.

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. If the spa is placed on a surface which does not meet these requirements, damage to 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 (10cm). Wood decking is also acceptable provided it is constructed so that it meets the requirements outlined above. The spa must be installed in such a manner as to provide drainage away from the spa. Placing the spa in a depression without provisions for proper drainage could allow rain, overflow and other casual water to flood the equipment and create a wet condition in which it would sit. For spas which will be 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 the cabinet side panels and access to the jets components, especially on the side with the equipment bay doors.

4.1 Outdoor Location

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

- 1. The proximity to changing area and shelter (especially in colder weather).
- 2. 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).

- 3. The closeness to trees and shrubbery (remember that leaves and birds could create extra work in keeping the spa clean).
- 4. A sheltered environment (less wind and weather exposure can result in lowered operation and maintenance costs).
- 5. 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.

4.2 Indoor Location

For indoor installations, be certain to make provisions for proper ventilation. When the spa is in use, considerable amounts of moisture will escape. This can damage certain surfaces over time. If you have any questions regarding the placement or installation of your spa, consult your authorized Jacuzzi Premium Dealer.

5.0 Power Requirements

Jacuzzi Premium spas are designed to provide optimum performance and flexibility of use when connected to the maximum electrical service listed in the tables below. If you prefer, your dealer can perform a minor circuit board modification to allow your spa to accept an electrical service other than the factory setting.

US / Canada J-310 1-Pump Convertible Model (60Hz)

	120V/15A*	240V/30A*	240V/40A**
Voltage:	120 VAC	240 VAC	240 VAC
# of Wires:	3 (15A GFCI Cord)	4	4
Frequency:	60Hz	60Hz	60Hz
Current Draw:	12A	21A	30A
Circuit Breaker:	15A, 1-Pole	30A, 2-Pole	40A, 2-Pole

For 240 VAC Heater Operation: Move the red wire on the main terminal strip (TB1) from position #1 to position #3. Make certain wires are connected exactly as shown in Figure-D (Page 12) 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.

- * In the 15A/30A configuration, the heater <u>will not operate</u> at the same time as the high-speed jets pump. *The factory setting is 120V/15A*.
- ** If the spa is to be operated on 40A service, remove the jumper JP1 #1-2 on the circuit board to allow the heater to operate at the same time as the high-speed jets pump (Page 38).

US / Canada J-320 / J-330 1-Pump Models (60Hz)

	240V/50A*	240V/30A**
Voltage:	240 VAC	240 VAC
# of Wires:	3	3
Frequency:	60Hz	60Hz
Current Draw:	34A	24A
Circuit Breaker:	50A, 2-Pole	30A, 2-Pole

- * In the 50A configuration, the heater <u>will operate</u> at the same time as the high-speed jets pump. *This is the factory setting.*
- ** In the 30A configuration, the heater **will not operate** at the same time as the high-speed jets pump.

US / Canada J-340 2-Pump Model (60Hz)

	240V/50A*	240V/30A**
Voltage:	240 VAC	240 VAC
# of Wires:	3	3
Frequency:	60Hz	60Hz
Current Draw:	36A	24A
Circuit Breaker:	50A, 2-Pole	30A, 2-Pole

- * In 50A configuration, the heater <u>will not operate</u> while both jets pumps are running in high speed. *Note:* pump 2 runs only in high speed. *This is the factory setting.*
- ** In 30A configuration, the heater <u>will not operate</u> while either jets pump is running in high speed. *Note:* pump 2 runs only in high speed.

Export J-310 / J-320 / J-330 1-Pump Models (50Hz)

	230V/30A*	230V/20A**
Voltage:	230 VAC	230 VAC
# of Wires:	3	3
Frequency:	50Hz	50Hz
Current Draw:	21A	15A
Circuit Breaker:	30A	20A

- * In the 30A configuration, the heater <u>will operate</u> at the same time as the main jets pump. *This is the factory setting.*
- ** In the 20A configuration, the heater <u>will not operate</u> at the same time as the main jets pump.

Export J-340 2-Pump Model (50Hz)

	230V/30A*	230V/20A**
Voltage:	230 VAC	230 VAC
# of Wires:	3	3
Frequency:	50Hz	50Hz
Current Draw:	23A	15A
Circuit Breaker:	30A	20A

- * In 30A configuration, the heater <u>will not operate</u> while both jets pumps are running in high speed. *Note: pump 2 runs only in high speed.* <u>This is the factory setting.</u>
- ** In 20A configuration, the heater <u>will not operate</u> while either jets pump is running in high speed. *Note:* pump 2 runs only in high speed.

6.0 Electrical Wiring Instructions



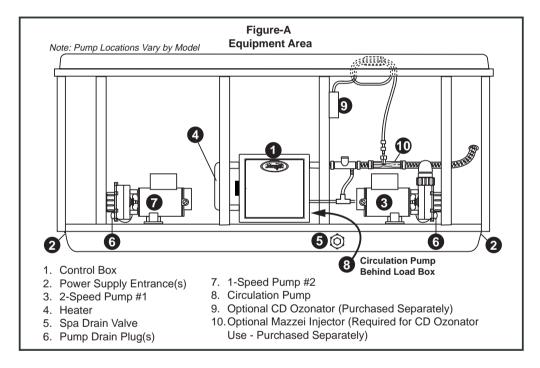
IMPORTANT NOTICE: The electrical wiring of this spa must meet the requirements of the National Electrical Code (NEC) and any applicable state or local codes. The electrical circuit must be installed by a qualified electrician and approved by a local building/electrical inspection authority.

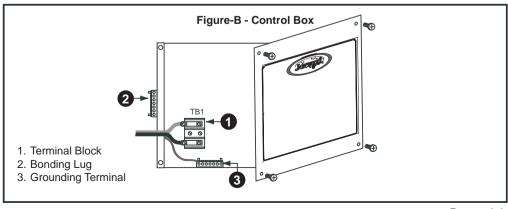
1. Convertible 120/240V Power Models

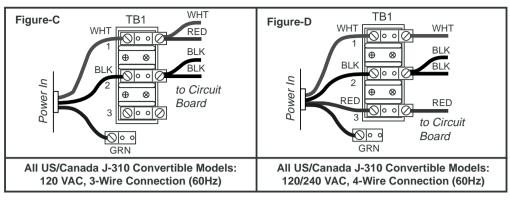
- A. 120V "Plug-in" Operation: This spa must operate on the supplied 120V GFCI cord at its original length or must be hard-wired for longer runs.

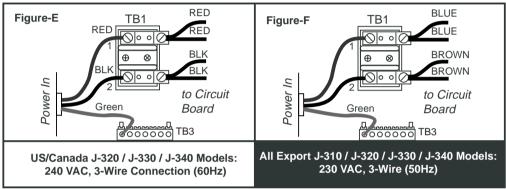
 Never use an extension cord for any reason!
- **B. Convertible 120/240V Operation:** The included 120V GFCI cord must be discarded for 240V operation. This spa must be hard-wired. Supplying power to either configuration above which is not in accordance with these instructions will void both the independent testing agency listing and the manufacturer's warranty.
- 2. **Dedicated 230-240V Power Models:** This spa 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.
- 2. The power supplied to this spa *must* be a *dedicated* circuit with no other appliances or lights sharing the power provided by the circuit.
- 3. To determine the current, voltage and wire size required, refer to section 5.0 "Power Requirements" (Page 8-9).
- Wire size must be appropriate per NEC and/or local codes.
- We recommend type THHN wire.
- All wiring must be copper to ensure proper connections. Do not use aluminum wire.
- When using wire larger than #6 (10mm²), add a junction box near the spa and reduce to short lengths of #6 (10mm²) wire to connect to the spa.
- 4. The electrical supply for this product must include a suitably rated switch or circuit breaker to open all ungrounded supply conductors to comply with Section 422-20 of the National Electrical Code, 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.
- 5. The electrical circuit supplied for the spa must include a suitable ground fault circuit interruptor (GFCI) as required by NEC Article 680-42.
- 6. To gain access to the spa's power terminal block, remove the screws securing the cabinet panel on the side of the spa under the controls. Then remove the four control box door screws and door (Figure B).

- 7. Select the power supply inlet you want to use (Figure A). Feed power cable to control box, then install it through the large opening provided in the bottom side of the box.
- 8. Connect wires, color to color, on terminal blocks TB1 and TB3 (Figures C-F, Page 12). TIGHTEN SECURELY! All wires must be hooked up securely or damage could result.
- 9. Install control box door and screws and reinstall the cabinet side panels.









7.0 Start-Up Instructions

Congratulations! You are now all set to get your new spa ready to use. Simply follow this step-by-step procedure and, before long, you will be enjoying your first glorious experience in your Jacuzzi Premium spa. For best results, read each step in its entirety before proceeding with that step.

7.1 Filling the Spa

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 and wax available from your dealer prior to filling the first time.

Remove the filter cover, then remove both filter cartridges as outlined in section 11.1 (Page 27). Place the end of your garden hose into the exposed pump #1 filter wall fitting without a mesh grill. Fill the spa half way, then place the end of your garden hose into the circulation pump filter wall fitting with the mesh grill. Continue filling spa until the water level is 1 inch below the lowest pillow and and above all jets. **Do not overfill.** 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. Or, you may fill entirely with hard water if you use a special water additive available from your Jacuzzi Premium dealer. Always refill spa half way through both filter wall fittings to purge trapped air from pump intakes. Failure to do so may cause air to be trapped in either pump 1 or the circulation pump's intake (air lock), preventing either pump from circulating water. After filling, make sure both filters are installed properly before applying power to the spa. Refer to section 11.1 (Page 27) "Cleaning the Filters" for specific cleaning and installation instructions

7.2 Safety Check

Open the wood cabinet access panel and check all pump unions to make sure they are hand tight. Loosening can occur during shipping and handling.

7.3 Turn on Power

Turn on power to spa at the home's circuit breaker. The heater and low speed pump 1 automatically activate and the control panel LED display flashes water temperature and "COL" or "ICE" (page 35).

7.4 Initiate Water Circulation

Depress the **JETS 1** sensor pad on the control panel twice to activate pump 1 in high speed and initiate maximum water flow to certain jets.

7.5 Add Start-Up Chemicals

Add the spa water chemicals as recommended by your Jacuzzi Premium dealer. Refer to section 12.2 (page 33) for general guidance.

7.6 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 and the capacity of your spa. Smaller spas heat at a rate of approximately 8 to 10 degrees per hour (based on 240V operation); large spas heat at about 4 to 6 degrees per hour.

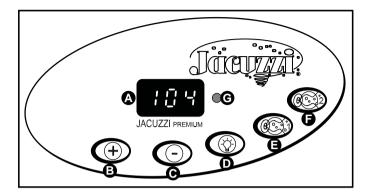


WARNING: RISK OF INJURY. Always check water temperature carefully before entering spa.

8.0 Control Functions

8.1 Control Panel

A. LED Display: can display current water temperature (default display), water temperature setpoint, selected filtration mode, and error messages.



- B. Warmer (+) Button: increases water temperature setpoint.
- C. Cooler () Button: decreases water temperature setpoint.
- D. Light Button: turns underwater light on and off.
- E. Jets 1 Button: turns jets pump #1 on and off. Press once for low speed; press a second time for high speed; press a third time to turn pump off.
- F. Jets 2 Button: turns high-speed jets pump #2 on and off. Press once to turn on; press a second time to turn pump off (2-pump models only).
- G. Heat Indicator: lit when heater is on.

Operation Details

- Temperature Adjustment: 65 to 104 °F (18 to 40 °C). Factory default setting is 100 °F (38 °C).
- Underwater Light Operation: light runs for 1 hour then shuts off for increased bulb life.
- Jets 1/Jets 2 Button Operation: jets run for 20 minutes after activated, then turn off automatically to conserve energy. Simply press either jets button to continue operation for an additional 20 minutes.

8.2 Spa Features And Controls



J-340 model illustrated - Location of Features Varies by Model

- 1. Control Panel
- 2. Air Controls
- 3. Filter/Skimmer Grill
- 4. Maxx PowerPro Jets
- 5. Therapy Jets
- 6. Diverter Valve
- 7. Therapy Seat
- 8. Spa Light
- 9 Vertical Jets (Foot Jets)
- 10. Footwell Suction Fittings and Filters.

- 11. Waterfall Feature
- 12. Heater Return Fitting
- 13. Optional Audio System Speakers (Available on J-340 Model Only).
- Optional Audio System Receiver (Available on J-340 Model Only)

9.0 Operating Instructions

The spa control system has automatic functions that operate upon start-up and normal operation to protect the system.

Upon power up, the readout displays the following information.

Upon power up, the readout displays the following information:

- 1. Control panel displays current software release (e.g. 3.52), then;
- 2. Control panel displays "888" and all indicator LEDs are lit, permitting visual inspection of all display segments and indicator lights for proper operation.
- 3. After the initial start-up sequence ends, the actual water temperature is displayed. If water temperature at this time is less then the factory default temperature setting of 100 °F (38 °C) and the spa is set to either standard filtration mode "FO-F3", the heater will turn on and run until the water temperature rises to the factory setting, then turn off. Note: it is common for the heater to turn on after the spa is first filled because tap water is often very cold.

9.1 Setting Water Temperature

The spa's thermostat provides optimum control of water temperature. The temperature setpoint (set temperature) can be adjusted from 65 °F to 104 °F (18 °C to 40 °C). To raise the set temperature, press the **WARMER (+)** button. To lower the set temperature, press the **COOLER (-)** button. *Note: The first press of either WARMER (+) or COOLER (-) button displays the set temperature.*



9.2 Activate Pumps

The **JETS 1** button activates the functions of the main 2-speed jets pump. The first press activates pump 1 in low speed, the second press activates high speed, and the third press shuts the pump off. The **JETS 2** button controls jets pump 2 which only operates in high speed. Both pumps have a twenty-minute default when manually activated.



9.3 Light Button

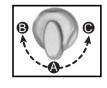
The **LIGHT** button activates the spa light when pressed. The light has a one-hour default.



9.4 Selecting Desired Massage Action

Your Jacuzzi Premium spa is equipped to allow you to customize the massage action you desire. Each model incorporates a diverter valve that

allows you to customize the massage and performance by diverting water between various jet systems. Simply turn diverter to position A (Combo), B, or C to divert water pressure to various jet groups. *Note: The diverter valve is designed to operate in positions A (Combo), B, and C for*



optimum performance. It is considered normal for sound levels within the valve to vary between positions due to the large amounts of water flowing through it! For optimum filtration benefits, leave the valve in position A when spa is covered. Select position B or C for maximum jet performance during spa use.

9.5 Adjusting Individual Jet Flow

The water flow to the individual jets in your spa can be increased or decreased by rotating the outside jetface (Except Maxx PowerPro Jets). *Note: Always keep at least 6 adjustable jets open at all times.*



9.6 Adjusting PowerPro Jets

With the nozzles of the PowerPro Jets positioned straight ahead, the jet stream will be stationary. Pushing the nozzle to one side causes the jet nozzle to rotate, moving the jet stream in a circular pattern.



9.7 Waterfall Feature

The waterfall feature allows you to independently control it for a customized soothing effect. The **JETS 1** Button activates the waterfall feature. Then, each fall is individually adjusted moving the control lever next to it forward or backwards. To turn on, move lever inward. To turn off, move lever outward.

9.8 Air Controls

Certain jet systems have their own "push-button" air control. Each control introduces air into the water lines that supply that specific jet group. Simply press any air control button (once) to open; then press a second time to close. To minimize heat loss, all air controls should be closed when the spa is not in use.



9.9 Optional Audio System (J-340 Model Only)

Spas equipped with the optional Jacuzzi Premium audio system offer enhanced spa enjoyment. These models include a



Page 17

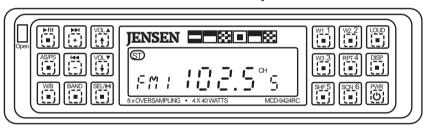
high-quality AM/FM/CD stereo receiver with two high-quality speakers for unsurpassed sound quality and long-life.

Two speakers located on spa corners (Sec. 8.2, Page 15) are designed for manual exposure and retraction. To expose each speaker for audio playback, simply press download on each enclosure to unlatch it's "pop-up" mechanism, then release. To retract each speaker before covering spa, gently press downward on each enclosure until you feel a slight "click", then release



CAUTION: Never step or sit on a speaker enclosure! This type of misuse will damage the speaker enclosure latching and track mechanism. Always retract speakers prior to covering spa.

Optional Stereo Receiver - Basic Operation



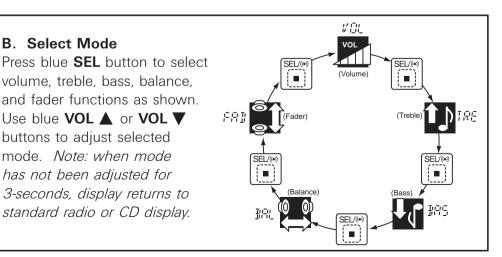
A. On/Off

Press red **PWR** button once to turn stereo on. Press a second time to turn off.



B. Select Mode

volume, treble, bass, balance, and fader functions as shown. Use blue **VOL** ▲ or **VOL** ▼ buttons to adjust selected mode. Note: when mode has not been adjusted for 3-seconds, display returns to standard radio or CD display.



C. Volume



Press blue **VOL** ▲ or **VOL** ▼ button to adjust volume to desired listening level.

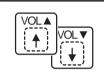


D. Adjust Treble



Press blue **SEL** button <u>two times</u> to select treble mode. Then press blue

VOL \triangle or **VOL** \bigvee button to adjust treble range from -7 to +7.

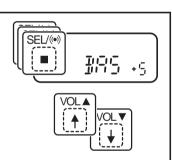


TRE -2

E. Adjust Bass



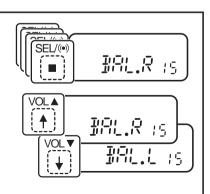
Press blue **SEL** button three times to select bass mode. Then press blue **VOL** ♠ or **VOL** ♥ button to adjust bass range from -7 to +7.



F. Adjust Balance



Press blue **SEL** button <u>four</u> <u>times</u> to select balance mode. Then press blue **VOL** ▲ or **VOL** ▼ button to adjust speaker balance as desired.



G. Adjust Fader



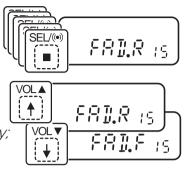
Press blue **SEL** button five times to select balance mode.

Then press blue VOL ▲ or

VOL ▼ button to adjust speaker balance as desired.

Note: F15 = Front Speakers Only;

R15 = Rear Speakers Only.



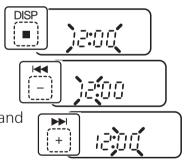
H. Bass Boost

Press grey **LOUD** button to increase the bass output. LOUD appears on the display.



I. Set Clock

Press and hold grey **DISP** button for 3-seconds until time display flashes. Within 3 seconds, press blue + or - button to set displayed hours and minutes. Unit stores clock settings and returns to normal operation 3seconds after last key press.

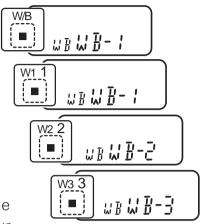


Optional Stereo Receiver - Weather Band and Radio Operation

A. Select a Weather Band

The stereo receiver has a three channel NOAA Weather Radio receiver. NOAA Weather Radio broadcasts National Weather Service warnings, watches, fore-casts, and other hazard information 24-hours a day.

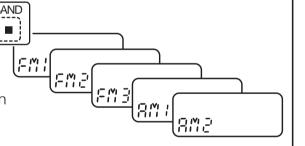
Press the grey **WB** button to change radio to weather radio receiver. Then press green **W1**, **W2**, or **W3** to change between three weather channels in your area.



B. Select a Radio Station

1. Slow Scan:

Press blue + button
or - button for less than
one second to advance
radio frequency up or down
one step.



2. Quick Scan: Press blue **+** button or **-** button for <u>more than one second</u> to quickly scan radio frequencies. Frequencies continue to change until button is released.

C. Program a Station Preset

Six numbered green **PRESET** buttons (1-6) store and recall stations for each radio band.



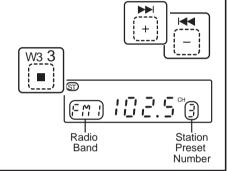


Save a Station Preset:

1. Press grey **BAND** button to select desired radio band, if necessary.

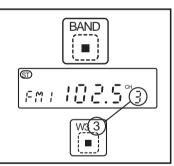


- 2. Select radio station by pressing blue + button or buttons.
- Press green **PRESET** button for <u>3-seconds</u> until receiver beeps, then release. Radio station is now stored in memory.



D. Recall a Station Preset

- 1. Press grey **BAND** button to select desired radio band, if necessary.
- 2. Press green **PRESET** button to recall station preset.



E. Automatically Store Stations

Function selects 6 strongest stations and stores them in current band.

- 1. Press grey **BAND** button to select desired radio band, if necessary.
- Press grey AS/PS button for more than
 3-seconds (receiver beeps and flashes AST on display). The new stations replace station presets previously stored in that band.



F. Prescan Stations

Scans stations stored in current band.

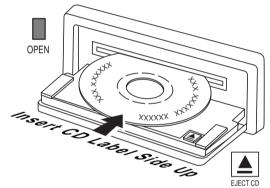
- Press grey **BAND** button to select desired radio band, if necessary.
- Press grey AS/PS button for <u>less than</u>
 3-seconds. The radio pauses for 5-seconds at each station. Press grey AS/PS button again to stop scanning when desired station is reached.



Optional Stereo Receiver - CD Player Operation

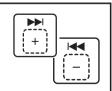
A. Insert and Eject CD

- Press orange **OPEN** button on front flip-over
 panel. Gently push a CD
 into slot and flip panel up
 to close. The CD will
 begin to play.
- 2. Press orange **OPEN**button on front flip-over
 panel, then flip-open
 panel. Press black **EJECT** button on inner side of
 flip-open panel to stop CD play and eject CD. Receiver
 switches to radio operation. Flip panel up to close.



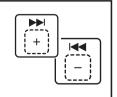
B. Skip Tracks

Press blue + button or - button to advance to next track. Track numbers show on display.



C. Fast Forward and Fast Reverse

Press and hold blue + button or - button to fast forward or fast reverse CD. CD play starts from when you release the button.



D. Repeat the Same Track

Press green **RPT** button to continuously repeat same track. Press again to stop repeat.



E. Shuffle Play All Tracks

Press green **SHF** button to play all tracks on CD in random order one time. Press again to stop shuffle play.



F. Scan (Preview) All Tracks

Press green **SCN** button to play first ten seconds of each track on current CD. SCAN appears on display. Press green **SCN** button again to stop SCAN and listen to track.



G. Pause CD Play

Press grey **PLAY/PAUSE** button to pause CD play. PAUS appears on display. Press grey **PLAY/PAUSE** button again to resume play.





WARNING!

- A. Avoid splashing water directly on unit. Unit is not waterproof!
- B. Never insert CD into player while wet!
- C. Inserting wet CD into player will damage unit!
- D. Never operate unit without rubberized face shield installed! Shield protects electronics from moisture damage! Operating unit without rubberized face shield may void factory warranty!

Optional Stereo Receiver Specifications CD Player Signal/noise ratio>86 dB Channel separation>65 dB Weather Radio Tuning RangeNOAA weather channels **FM** Tuner FM mono sensitivity12 dBf **Am Tuner Amplifier** General Fusesfast blow AGC (0.5 Amp and 10 Amp) Specifications subject to change without notice.

10.0 Automatic Filtration Cycles

Your Jacuzzi Premium controls have been designed to provide maximum convenience, as well as economy of operation. By selecting the appropriate filtration mode, you can ensure that your spa will be ready to use anytime with the lowest possible energy consumption.

Your spa's control system activates automatic filter cycles, during which jets pump #1 turns on in low speed to move water through the filter. This water movement also provides important skimming action to remove debris and suspensions from the water's surface, minimizing the "bathtub ring" effect.

10.1 Standard Filtration Modes (F0 - F3)

In standard mode, water temperature <u>is held</u> to the set temperature by the 24-hour circulation pump and heater which turns on as needed to maintain the set temperature. After the set temperature is reached, the heater turns off and the circulation pump continues to operate continuously to filter and clean the spa water.

10.2 Economy Filtration Modes (F4 - F6)

In economy mode, water temperature **is not** thermostatically controlled. The low speed jets pump 1 and heater turn on only during a programmed

filter cycle. Note: you can change jets pump 1 to high speed or turn it off during a filter cycle.

10.3 Lock Modes (L1 - L2)

These modes are designed for use during spa service or to prevent unauthorized use

10.4 Select the Filtration Mode

Press and hold both control panel **WARMER (+)** and **COOLER (-)** buttons **at the same time**, then release. Then press either **WARMER (+)** or **COOLER (-)** button to select filter mode FO through L2 below:

Standard Filtration Modes

FO No filter cycles

F1 4 hours filtration per day (2 hour cycle every 12 hours); factory default setting

F2 6 hours filtration per day (2 hour cycle every 8 hours)

F3 8 hours filtration per day (2 hour cycle every 6 hours)









Economy Filtration Modes

- **F4** 4 hours of filtration per day (2 hour cycle every 12 hours)
- **F5** 6 hours of filtration per day (2 hour cycle every 8 hours)
- **F6** 8 hours of filtration per day (2 hour cycle every 6 hours)

FY

8.5

Lock Modes

- **L1** Lock Out (disables all spa functions to permit filter cleaning)
- L2 Lock Mode (disables the jets and light buttons to prevent unauthorized use of spa.) Filter cycles and heater will continue to operate as programmed in this mode. The temperature display flashes when this function is enabled.



Example: the "F3" filter cycle was enabled prior to choosing lock mode. The spa continues to perform filter cycle "F3" until lock mode is canceled, allowing another filter cycle to be selected.

To set a time for the first filter cycle, simply turn power on to the spa two minutes prior to the desired filter time. *EXAMPLE: If you desire your first filter cycle to begin at 10:00 AM turn off power to the spa and turn it back on again at 9:58 AM. Note: start time is approximate and may vary slightly from day to day.*

11.0 Spa Maintenance

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

11.1 Cleaning The Filters

Your Jacuzzi Premium spa is equipped with high-performance filter cartridges located inside the filter skimmer cover. Fine debris is filtered by the circulation pump drawing water through the circulation pump cartridge. Larger debris is also filtered by the 2-speed pump drawing water through the main pump cartridge during normal operation and at each filter cycle. Both cartridges provides unsurpassed water quality by trapping suspended particles on their outer surface.

J-340 models include filters on their footwell suction covers that prevent debris from entering pump 2, when operating. These filters must remain in place to protect pump 2's plumbing network. They should be cleaned every 2 months, or when weak pump 2 performance is observed.

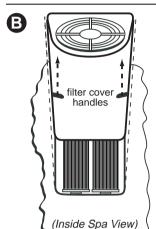
To ensure optimum performance, clean and reuse both cartridges once a month. *ALWAYS TURN POWER TO SPA OFF BEFORE CLEANING THE FILTER CARTRIDGES!* Refer to the filter cleaning/replacement procedure below:



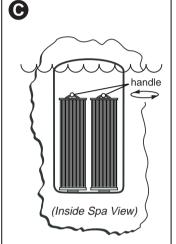


TURN POWER TO SPA OFF!

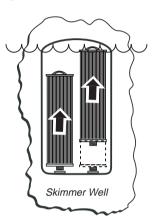




Lift upward on filter cover handles to unsnap and remove it from mating retainer clips.

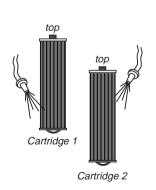


Rotate each filter cartridge handle counterclockwise to unthread from mating wall fitting.

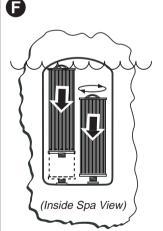


Remove both cartridges from skimmer well.

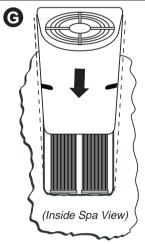




Rinse debris from filter pleats on each cartridge using a garden hose and high-pressure nozzle. Start at top and work downward to handle. Repeat until all pleats are clean.



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



- Install filter cover by sliding it down into position over mating retainer clips.
- 2. Turn power to spa back on.

^{*}Note: to maximize filter life, switch filter cartridge positions at each cleaning. The circulation pump's filter wall fitting is easily identified by it's mesh grill.

Periodically, both filter cartridges will need a more thorough cleaning to remove imbedded oils and minerals. For this, we suggest cleaning as illustrated above (Step E), followed by soaking the filter overnight in a plastic container filled with a solution of water and a specially formulated filter cleanser available from your Jacuzzi Premium dealer. We also recommend rotating your filter cartridges during each cleaning to maximize life. The average life expectancy of each filter cartridges is approximately two years with proper care, rotation, and water quality maintenance. Replacement cartridges may be purchased from your Jacuzzi Premium dealer.

11.2 Draining and Refilling

About every 3 to 6 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.



WARNING! 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.

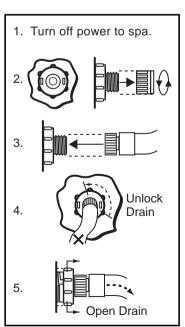


CAUTION: There are certain precautions to keep in mind when draining your spa. If it is extremely cold, and the spa is outdoors,

freezing could occur in the lines or the equipment (see "WINTERIZING", Page 31. 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 drain valve on front/lower plastic pan. Hold larger (rear) body to prevent it from turning, then loosen and remove the front cap to expose underlying male hose threads.
- 3. Attach garden hose to exposed threads.
- 4. Gently rotate larger (rear) valve body 1/3 turn counterclockwise to unlock drain valve.
- 5. Pull larger (rear) body outward to open drain.



6. After spa drains, perform steps 2-5 in reverse order to close drain prior to refilling spa.

After refilling, turn on power to the spa and follow the steps listed under "Start-Up Instructions." Always fill your spa through both filter wall fittings (page 12).

11.3 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 Premium 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. Your Jacuzzi Premium dealer offers a specially formulated surface sealant which aids in cleaning the spa surface and adds a protective coating to enhance the luster of the surface.

11.4 Pillow Care

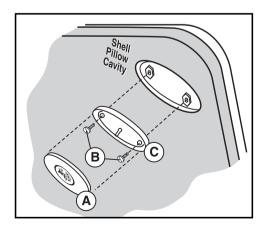
Remove and clean the headrest pillows as needed with soapy water using a cloth or soft-bristle brush. To maintain water resistance and luster, apply a quality vinyl conditioner once a month. Always remove the pillows when adding chemical shock treatment to the spa water. The pillows can be returned to the spa when the sanitizer reading drops below 5 ppm.



CAUTION: Never attempt to remove the pillows by pulling on them! The pillows utilize a bolt-on design that prohibits removal without tools.

To remove pillows:

- Grasp center pillow insert (A) with finger tips and gently pry outward from pillow base (C).
- Use a standard screwdriver to loosen and remove mounting bolts (B) from pillow base.
- Assemble in reverse order after cleaning. DO NOT overtighten pillow mounting bolts!



11.5 Maintaining the Cover

Using the Jacuzzi Premium insulating spa cover anytime the spa is not in use will significantly reduce your operating costs, heat-up time and maintenance requirements. To prolong the life of the cover, handle it with care and clean it regularly using mild soap and water. Periodic treatments with a special conditioner developed for Jacuzzi Premium spa covers will help protect against deterioration caused by UV rays from the sun. Never allow anyone to stand or sit on the cover, and avoid dragging it across rough surfaces.

11.6 Maintaining The Wood Cabinet

With time and exposure to the elements, the wood on your spa will tend to loose its new appearance. Protecting or reviving the wood surfaces is a fairly simple process. Light sanding with fine-grit sandpaper will help smooth any roughness and regular applications of a penetrating wood preservative will enhance and protect the richness of the wood. A specially formulated wood stain available from your Jacuzzi Premium dealer is ideal for this.



CAUTION: Do not apply varnish, shellac or other surface sealants to the wood. These tend to react with the chemicals in the wood and the UV rays of the sun, causing yellowing, flaking and peeling.

11.7 Winterizing

Your Jacuzzi Premium 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 -20°F (-29 °C), choose the F3 "Standard" filtration mode to prevent freezing (Page 26).

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. For expert winterization of your spa, contact your authorized Jacuzzi Premium dealer. In emergency situations, damage can be minimized by taking the following steps:

- 1. Follow the directions on page 29 for draining the spa.
- 2. 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.

- 3. When the water level ceases to drop, use whatever means available to remove any remaining water from the footwell.
- 4. Turn off power to the spa.
- 5. Remove the equipment-side cabinet panels and locate the drain plugs in the front of the pump(s) (Figure-A, Page 11). Remove these plugs to allow the water to drain out of the 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.
- 6. Loosen hose clamp at bottom of heater behind the control box (Figure-A, Page 11) and pull hose off of heater fitting (twist the hose back and forth while pulling downward). Tip hose down and allow to drain, then reinstall hose and clamp.
- 7. Re-install cabinet side panels and cover spa so that no casual moisture can enter into it.

Consult your Authorized Jacuzzi Premium Dealer if you have any questions regarding winter use or winterizing.

11.8 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 dealer for guidance before attempting to re-start your spa under these conditions.

12.0 Water Quality Maintenance

Maintaining the quality of the water within specified limits will serve to enhance your enjoyment and prolong the life of the spa's equipment. It is a fairly simple task, but it requires regular attention because the water chemistry involved is a balance of several factors. There is no simple formula, and there is no avoiding it. A careless attitude in regard to water maintenance will result in poor and potentially unhealthful conditions for soaking and even damage to your spa. For specific guidance on maintaining water quality, consult your Authorized Jacuzzi Premium dealer who can recommend appropriate chemical products for sanitizing and maintaining your spa.



CAUTION: Never store spa chemicals inside the spa's equipment bay.

12.1 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 7.2 to 7.8. 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 sanitizer.

12.2 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. 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 Premium dealer can advise you on the use of these additives.



CAUTION: Do not use chlorine tablets (Trichlor) in your spa. This chemical can have an extremely corrosive effect on certain materials in the spa. Damage caused by use of this chemical, or improper use of any chemicals, is not covered under the spa's warranty.

12.3 Optional CD Ozone Water Maintenance System

If you have elected to have your spa equipped with the optional Jacuzzi Premium CD Ozone water purification system you will find that your water stays fresh and clear with significantly less chemical sanitizer usage. You will also probably be able to go longer between complete spa drainings. The CD ozone unit operates in conjunction with the circulation pump.

13.0 Error Conditions / Error Messages

13.1 Summer Logic

When the actual spa water temperature reaches up to 2 °F (1 °C) above the set temperature, the spa goes into "summer logic." The circulation pump will turn off automatically to avoid adding additional heat to the water, eventually creating



an overheat condition. This setting is not user-programmable.

Note: The 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 to minimize operating costs.

13.2 Overheat Condition

WARNING! DO NOT ENTER HOT TUB WATER! Water is too hot. Overheat protection. Heater is deactivated. Spa water temperature is above acceptable limits. When the actual water



temperature is approximately 2 °F (1 °C) above the set temperature, the circulation pump will stop operating to reduce (frictional) heating. To correct condition, remove spa cover to speed cooling *(CAUTION! Never leave spa uncovered when children are present!)* If condition persists, contact your authorized Jacuzzi Premium dealer.

There are a number of unique functions designed into your Jacuzzi Premium spa to protect it from damage and/or aid in troubleshooting. Refer to sections 13.3-13.9 below for a listing of all possible error messages and their meanings.

13.3 Panel displays SN1

Open sensor (heater is disabled) or shorted sensor (spa is deactivated). The high-limit temperature sensor is not functioning. Your authorized dealer must repair this.



13.4 Panel displays SN2

Open or shorted sensor (heater disabled). The temperature sensor is not functioning. Your authorized dealer must repair this



13.5 Panel displays FL1 or FL2

A flashing "FL1" display means the flow switch is malfunctioning open, the circulation pump's filter cartridge is excessively dirty, or an "air lock" condition has occurred at the circulation pump intake. A flashing "FL2" display means the flow switch is malfunctioning closed.



- This error will cause the heater to deactivate. The main pump #1 may also deactivate
- This problem is caused by an interruption in water flow from an excessively dirty filter cartridge, an "air lock" condition at the pump intake, or by a malfunctioning flow switch.

To Correct Condition:

- 1. Check for proper water level. Water should be 1" below lowest pillow.
- 2. Check for clogged/excessively dirty circulation pump filter cartridge (control panel side). See section 11.1, Page 27.
- 3. Purge "air lock" from circulation pump intake by removing its filter cartridge (control panel side). Place your garden hose into the circulation pump filter wall fitting. Turn-on water for 30 seconds, then turn off. Reinstall filter cartridge and check spa. See section 11.1, page 27.
- 3. If problem persists, contact your authorized dealer.

13.6 Panel displays COL

Cool Condition - Temperature has dropped 20 °F (11 °C) below the current set temperature. The pump and heater have been activated to bring the temperature to within 15 °F (8 °C) of the set temperature. No corrective action is required. *Note:* during cold periods, you may consider increasing the number of filtration cycles.



13.7 Panel displays ICE

Freeze Protection - A potential freeze condition has been detected. No action is required. Main pump will operate to circulate warm water through the plumbing until the spa is out of danger.



13.8 Panel displays - - -

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. Contact your authorized dealer



14.0 Troubleshooting Procedures

In the event your Jacuzzi® Premium spa is not working the way it should, please first review all the installation and operating instructions in this manual and check the message on the panel display. If you are still not satisfied it is working properly, please follow the appropriate troubleshooting instructions. Note: If any of the supply cords to the accessories are damaged, they must be replaced by authorized service personnel.

14.1 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. Call your authorized dealer.

14.2 Pump Does Not Operate but Light Does

Press the JETS Button:

- 1. If no water movement is detected, make sure power is going to the spa and check the water level. If it does not solve the problem, contact your authorized Jacuzzi Premium dealer.
- 2. The main pump operates but no water flows to jets. Pump may not be properly primed. This can happen after the spa is drained and refilled. Press the JETS 1 button several times, never leaving the motor on for more than 5 to 10 seconds at a time. Turn power off and let the air out by loosening the cap on the diverter valve and/or remove the filter. Refer to section 8.2 (page 15). Make certain you tighten the diverter cap and/or reinstall the filter before turning on spa power and restarting the pump.

14.3 Poor Jet Action

- 1. Press the JETS 1 button to make certain the pump #1 is on.
- 2. Depress the air control to the "on" position.
- 3. Check for dirty filter. Clean, if necessary.
- 4. Make sure jets are all the way open.

14.4 Water is Too Hot

Reduce thermostat setting so the circulation pump turns off.

14.5 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 26-27).



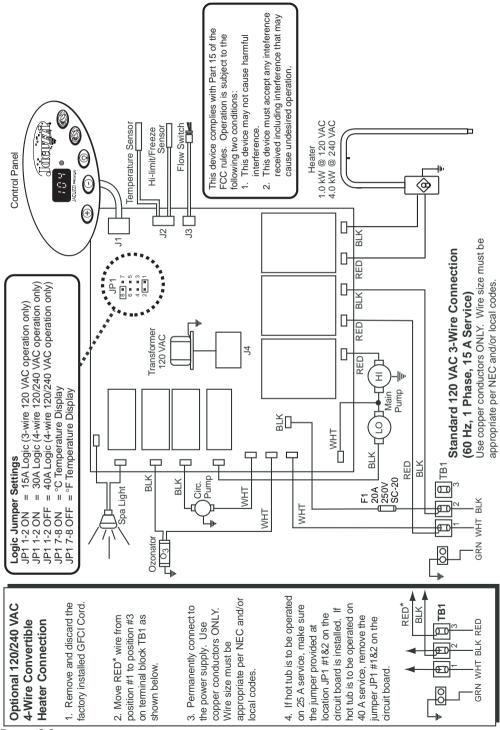
Should checking the above steps fail to correct the problem, please call your dealer so that they may arrange service.

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 Premium 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!

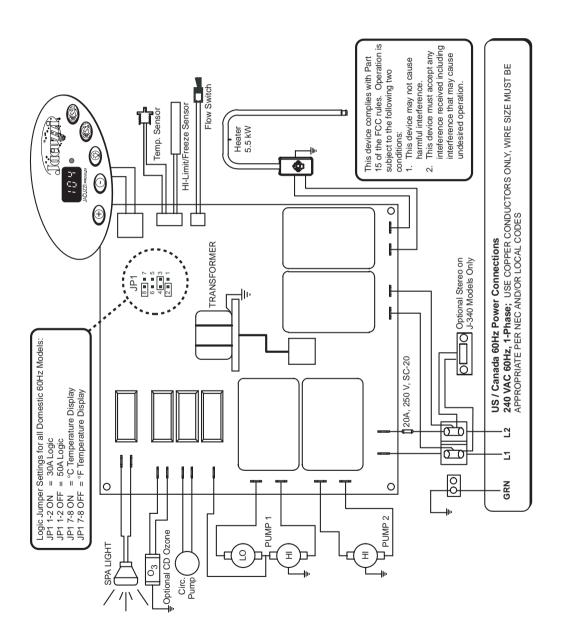
15.0 J-310 Convertible Circuit Diagram (60Hz)

This wiring diagram is used for the J-310 US/Canada 120/240 VAC (60Hz) convertible power model.



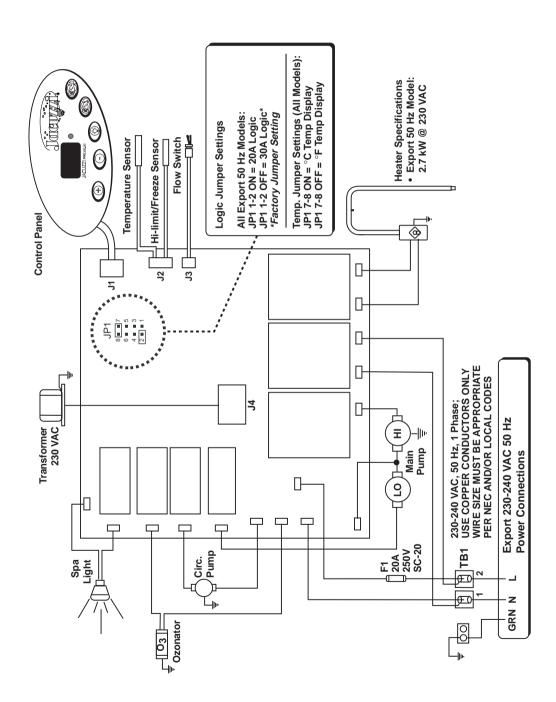
16.0 J-320/J-330/J-340 Circuit Diagram (60Hz)

This wiring diagram is used for all J-320, J-330, J-340 US/Canada 240 VAC (60Hz) dedicated power models.



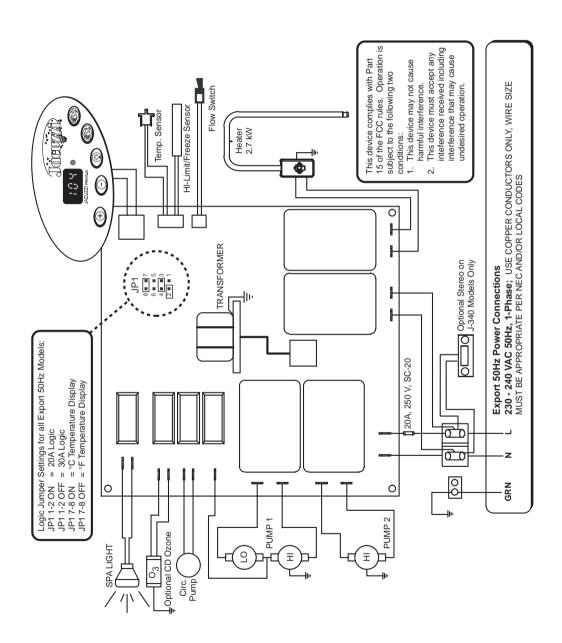
17.0 J-310 Export Circuit Diagram (50Hz)

This wiring diagram is used for the J-310 Export 240 VAC (50Hz) dedicated power model.



18.0 J-320/J-330/J-340 Circuit Diagram (50Hz)

This wiring diagram is used for all J-320, J-330, J-340 Export 230 VAC (50Hz) dedicated power models.





Notes:

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6530-225, Rev. C

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