

GENERAL MAINTENANCE

SPA PILLOWS MAINTENANCE

The spa pillows will provide years of comfort if treated with care. They have been positioned above the water level to minimize the bleaching effects of chlorinated water and other spa water chemicals. To extend their life, whenever the spa shell is being cleaned, the spa pillows should be removed and cleaned. Body oils can be removed with a mild soap and water solution. ALWAYS rinse off the spa pillows thoroughly to remove any soap residue. If the spa is not going to be used for a long period of time, or when the spa water is being super-chlorinated, the spa pillows should be removed until the next use of the spa.

SPA SHELL

Your spa has a smooth acrylic or ABS textured shell. Stains and dirt generally will not adhere to your spa's surface. A soft rag should easily remove most dirt. We recommend using a "cheesecloth" rag, or other soft rag, to clean the entire shell surface with **Water Line Cleaner** or a similar product from your spa dealer. You may also use **pH/Alkalinity Increaser** or a 50/50 solution of denatured **alcohol and water**. Be sure to thoroughly rinse the shell after cleaning. To restore the luster of the shell after cleaning, you can use an acrylic surface polish or a similar product from your spa dealer. Always thoroughly rinse off any spa shell cleaning agent with water.

SERVICE NOTE: Iron and copper in the water can stain the spa shell if allowed to go unchecked. Your Arcadia Spa dealer can recommend a stain and scale inhibitor to use if your spa water has a high concentration of dissolved minerals.

DO NOT use any cleaning products containing abrasives or solvents since they may damage the shell surface. **NEVER USE HARSH CHEMICALS!** Damage to the shell by the use of harsh chemicals is not covered under the warranty.

SIDE PANEL

The Arcadia Spas side panels are unaffected by most corrosive substances, and will not absorb moisture. To maintain the original finish, clean with soap and water. No painting is required.

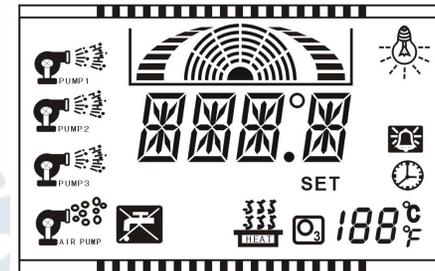
SPA COVER

The vinyl spa cover is an attractive, durable foam insulation product. Monthly cleaning and conditioning are recommended to maintain its beauty.

To clean and condition the vinyl cover:

1. Remove the cover from the spa and gently lean it against a wall or fence.
2. With a garden hose, spray the cover to loosen and rinse away dirt or debris.
3. Using a large sponge and/or a soft bristle brush, and using a very mild soap solution (1 teaspoon dishwashing liquid with 1 gallon/4 liters of water) or baking soda (sodium bicarbonate), scrub the vinyl top in a circular motion. Do not let the vinyl dry with a soap film on it; rinse clean immediately.
4. Scrub the cover's perimeter and side flaps. Rinse clean with water and dry.

NORTHSTAR CONTROL PANEL INSTRUCTIONS



Button	LCD Display	Basic Button Function
		There are two Jet Pump buttons. Press the button once and the corresponding Jet Pump icon will appear on the adjacent LCD screen while the pump is on. A second press will turn off the Jet Pump and the icon will disappear from the LCD screen.
		Spa Light Button: Press button to turn the light on, a second press will turn the light off. The spa light icon will appear on the control panel while the light is on. The LED light will cycle through a color sequence. Each color duration is approximately 20 seconds.
		Blower Button: Press button to turn the blower on, a second press will turn the blower off. The Air Blower is only available as a factory installed option.
		Temperature Set Keys: The Control Panel displays the actual water temperature in the center of the LCD Screen. It will also show the temperature that you have selected as the set temperature in the bottom right corner of the LCD Screen. Press the button to increase the desired set temperature. Press the button to decrease the temperature. The temperature can be adjusted in 1°F/1°C increments from 50°F/10°C to 104°F/40°C. The new desired set temperature will be displayed in the bottom right hand corner of the LCD. When the temperature drops to 2° below the set temperature, the heater will be activated until the temperature is 1° above the set temperature. The Heater On icon will appear when

NORTHSTAR II CONTROL PANEL INSTRUCTIONS

Menu Selection



Use and to toggle between 2 to 10 minutes of cleaning time. In this mode, the three Jet pumps, circulation pump and ozone will run in succession. Minutes will show in lower right corner.



Use and to choose what time of the day the sleep mode will turn on. For example: 21 means the sleep mode will turn on at 9:00pm.



Use and to choose what time of the day the sleep mode will turn off. For example: 07 means the sleep mode will turn itself off at 7:00am



In this mode, the circulation pump and all Jet pumps will run for 2 minutes every hour to prevent freezing. Use and to toggle between on and off. Press to confirm selection. If the system detects a water temperature drop to 41°F/5°C, the circulation pump and heater will automatically turn on until water temperature rise to 46.4°F/8°C or higher.



This setting is to manually adjust the temperature difference if the temperature shown on LCD display is different than actual temperature. Use and to adjust for each F°/C° difference.

Press to confirm selection.



To return to factory setting. Press and to toggle between on and off. Press to confirm selection.



Press to confirm exiting the menu programming.

Control Panel Lock: The Control Panel can be locked for child proof and security purposes. Press and hold button for 3 seconds and wait for **LOCK** to appear on the LCD screen. Use the same procedure to unlock.

LCD Power Save: If the control panel is not used for more than 10 minutes, the LCD backlight will go into power save mode and the display will dim. The LCD screen will turn on with the touch of any button.

AUTO SAFETY FEATURE- FREEZE PROTECTION MODE: If the system ever detects a water temperature drop to 41°F/5°C, the circulation pump and heater will automatically turn on until water temperature rise to 46.4°F/8°C or higher. This safety feature will override any other programming mode to prevent freezing.

NORTHSTAR CONTROL PANEL INSTRUCTIONS

Control Panel Lock: The Control Panel can be locked for child proof and security purposes. Press and hold **SET** button for 3 seconds and wait for **LOCK** to appear on the LCD screen. Use the same procedure to unlock.

LCD Power Save: If the control panel is not used for more than 10 minutes, the LCD backlight will go into power save mode and the display will dim. The LCD screen will turn on with the touch of any button.

AUTO SAFETY FEATURE- FREEZE PROTECTION MODE: -If the system ever detects a water temperature drop to 41°F/5°C, the circulation pump and heater will automatically turn on until water temperature rise to 46.4°F/8°C or higher. This safety feature will override any other programming mode to prevent freezing.

DIAGNOSTIC AND WARNING MESSAGES

LCD Error Display	Symptom	AutoCorrective Action
	Low Water Level	Pumps and Heater will be turned off. Add water until it is above the minimum water level line.
& HEAT	Water temperature above 114°F / 45°C	Heater will turn off
& ICE	Water temperature falls below 41°F / 5°C	Freeze protection mode will be enabled
& LD F	Load Failure	Power to Heater will be shut off. Please check electrical.
& LEAK	System detects a faulty wiring	Power output will be turned off.