

Journey™
1999



Owner's Manual

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IMPORTANT SAFETY INSTRUCTIONS

**Caution: Risk of electrical shock.
Read and follow all instructions.**

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

1. **READ AND FOLLOW ALL INSTRUCTIONS**
2. **WARNING!:** To reduce the risk of injury, do not allow children to use this product unless they are closely supervised at all times.
3. **DANGER:** Risk of injury.
 - a) Replace damaged cord immediately.
 - b) Do not bury cord.
 - c) Connect to a dedicated, grounded, grounding type of receptacle only.
4. There are no owner serviceable parts within the equipment pack. Please notify your dealer for service.
5. **110 V GFCI protected connect units:**
 - a) Connect only to a dedicated, grounded, grounding type of receptacle.
 - b) Do not bury cord.
 - c) **WARNING!** To reduce risk of electric shock, replace damaged cord immediately.
6. This unit is equipped with a ground fault circuit interrupter (G.F.C.I.) on the end of the power supply cord. A G.F.C.I. must be installed on your spa to prevent the possibility of electrical shock. Before use, with the plug connected to the power supply and the unit operating, push the "TEST" button. The unit should stop operating. Reset the G.F.C.I. by pushing the "RESET" button. The spa should operate normally now. If the G.F.C.I. does not perform in this manner, it is defective and must be replaced. If the G.F.C.I. continues to trip by itself, disconnect the plug

from the receptacle until the fault has been identified and corrected.

7. **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.
8. **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 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.
9. **Danger:** Risk of Electrical Shock. Install at least 5 feet (1.5 m) 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 by a minimum No. 6 AWG (8.4 mm²) solid copper conductor attached to the wire connector on the terminal box that is provided for this purpose.
10. **Danger:** Risk of Electric Shock. Do not permit any electric appliance, such as a light, telephone, radio, or television, within 5 ft. (1.5 m) of a spa. A licensed electrician must install the electrical wiring to the receptacle, and make the final electrical connections.

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 70-1987. This disconnecting means must be readily accessible for operation but installed at least 5 ft. (1.5 m) from the spa as required to comply with local code requirements.

Install to provide drainage of compartment for electrical components, and ventilation from bottom for pump heat.
11. **DANGER:** Risk of electrical shock. Do not remove spa control panel and submerge in spa.

IMPORTANT SAFETY PRECAUTIONS

Warning: To reduce the risk of injury:

1. 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.
2. 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).
3. Before entering a spa, the user should measure the water temperature with an accurate thermometer since the tolerance of water temperature-regulating devices varies.
4. The use of alcohol, drugs, or medication before or during spa use may lead to unconsciousness with the possibility of drowning.
5. Persons suffering from obesity or with a medical history of heart disease, low or high blood pressure, circulatory system problems, or diabetes should consult a physician before using a spa.
6. 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.

IMPORTANT PRODUCT INSTRUCTIONS

Do's and Don'ts

1. Never leave a Model 10 without water, uncovered, or in direct sunlight. Damage to the polymer shell material caused by these conditions is not covered under warranty. replace your cover immediately after use.
2. Be aware of the dangers of a wet and slippery surface. Use caution whenever entering or

exiting your spa.

3. Electrical service must be installed by a licensed electrician.
4. Keep your water chemistry correctly balanced. Unbalanced water chemistry may damage your spa equipment. Equipment damaged by improper water maintenance is not covered under warranty.
5. Maintain proper levels of sanitizers in your spa. untreated spa water may cause health problems. Never use swimming pool chlorine (tri-chlor) in your spa. It will cause permanent damage to fittings and other components. Use only Coleman authorized chemicals.
6. Clean your filter monthly.
7. Install your spa in such a way that there is access to your spa's equipment for service. **Remember**, there are no user serviceable components in your spa. Please notify your dealer if you are experiencing mechanical problems with your unit.
8. If you have long hair, use a bathing cap.
9. Do not use the spa at 104° for excessive periods of time. See notes on hyperthermia on this page.
10. Use only the cord provided to supply power to your spa. **Do not add extension cords.**
11. Never run the spa without water in it.
12. Do not operate the pump for extended periods of time with the cover in place. Extended operation can cause heat build-up in the equipment cabinet and cause damage to the components.

Hyperthermia

The causes, symptoms, and effects of hyperthermia may be described 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. The symptoms of hyperthermia include an increase in the internal temperature of the body, dizziness, lethargy, drowsiness, and fainting. The effects of hyperthermia include (1) failure to perceive heat, (2) failure to recognize the need to exit spa or hot tub, (3) unawareness of impending hazard, (4) fetal damage in pregnant women, (5) physical inability to exit the spa or hot tub, and (6) unconsciousness resulting in the danger of drowning.

Warning: The use of alcohol, drugs, or medication can greatly increase the risk of fatal hyperthermia.

SPA COMPONENTS

A. Filter:

Removes debris from water through suction. Removable filter cartridge is located here.

B. Spa Side Control:

Used to control temperature setting, and pump for jets. Displays temperature setting and diagnostic information.

C. Air Control:

Increases or decreases the air entering the jets. Close during heating for maximum heating efficiency.

D. Equipment Pack:

No User Serviceable Parts. Spa system includes pump, heater, and electronics.

E. Drain Access:

Located inside equipment bay. Disconnect electrical service at plug before draining.

F. Manufacturer's Identification Label:

Contains identification information for warranty service.

G. Pump:

Low speed for efficient water circulation during filtration and heating; high speed for maximum action of the jets. The pump functions are activated by the topside controls.

H. Heater Assembly:

Thermostatically controlled and equipped with an overheat safety shut-off.

I. Slice Valves:

Used to shut off water flow for equipment servicing.

J. Electrical Connections:

All electrical connections are made at the factory.

E. Warning and Installation Label:

Contains important safety information and installation instructions.

SPA INSTALLATION

Site Preparation and Positioning

The Coleman Journey™ is fully portable and self-contained. The spa without water weighs approximately 200 pounds. Coleman recommends that at least two people are needed to move this unit.

If it is to be rolled, the fabric covering should be removed and the underlying batting material protected with cardboard or fabric.

Site selection should be taken into consideration for both water drainage away from the equipment compartment and easy access to the compartment for service. Close proximity to an electrical receptacle which is protected from both weather and sprinklers is necessary for hook-up. Installation should allow for easy access to the GFCI protected plug which comes with your spa.

Locate the spa on solid, level flooring. your Journey™ weighs approximately 2100 pounds full of water. If you have concerns about the load bearing capabilities of your site, please contact an architect, contractor, or your local building department.

Coleman recommends a 6'x6'x4" concrete slab for best support. However, other types of foundations may be used provided they are level. Coleman does not recommend installation on bare ground or grass due to settling problems.

Outdoor Installation

Other factors should be taken into consideration when installing a spa outdoors.

1. Local codes pertaining to fencing.
2. Local electrical and plumbing codes.
3. View from your house.
4. Wind direction.
5. Exposure to sunlight.
6. Location in regards to plants and trees (debris from falling leaves and shade).
7. Dressing and bathroom location.
8. Storage for maintenance equipment and chemicals
9. Location to facilitate adult supervision.
10. Access to equipment cabinet.
11. landscape and nighttime lighting.
12. Power cord location and floor traffic.

Indoor Installation

Keep the following additional factors in mind when installing your spa indoors:

1. Indoor spas promote high humidity, so a means of decreasing this humidity must be provided. This can be accomplished by using either ventilation fans or oversized de-humidifiers. Consult your dealer.
2. Floor drains must be provided to drain off water which may cause walking hazards and /or water damage.
3. Floor area should be flat and non-skid. No carpeting, ceramic tile is preferred.
4. Walls, ceilings, woodwork should be of materials capable of withstanding high humidity (redwood, cedar).
5. Be sure floor load bearing capacities are adequate to support the concentrated spa weight.
6. Spas should be double checked for leaks before installing to avoid possible water damage.
7. Indoor sunrooms are capable of maintaining high ambient temperatures which may effect the spa water temperature.

Packaging and Moving

Please leave the original packaging on your Journey™ until you are ready to install it.

If you intend to roll the spa, protect the fabric wrap and shell lip with cardboard or heavy duty foam packaging. If you have already installed the fabric wrap, remove before rolling. Remove the vinyl cover before moving. Sharp rocks, sticks, and other debris may damage the outer surface of your spa when it is rolled. Coleman Spas recommends you wrap your spa in blankets, moving pads, or you may use the cardboard from the packaging to protect your spa during installation.

ELECTRICAL INSTALLATION GUIDELINES

The Coleman Journey™ has been engineered to provide years of safe electrical operation. However, it is very important that the electrical service to the spa be done by a licensed and qualified electrician.

ELECTRICAL REQUIREMENTS

The Journey™ must be connected to a dedicated 115 Volt, 15 Amp ground circuit. A dedicated circuit is one specifically designated for use by your Journey™ and does not supply power to any other electrical devices. Non-dedicated circuits are frequently subject to nuisance tripping of your GFCI. Electrical problems by improper wiring or use of a non-dedicated system are not covered under the terms of your warranty.

The Coleman Journey™ comes with a factory installed, GFCI protected power cord. This cord is rated by the UL Laboratories for this type of use and is the maximum length allowed by both UL and The National Electric Code.

NEVER ATTACH THIS CORD TO AN EXTENSION CORD!

If your electrician has located your electrical service outdoors, it should not be more than 15 feet from your spa. Indoor installations must be between 5 and 10 feet from your spa. (NEC Code 680-6a(1) and 680-41a.)

The GFCI plug attached to the end of your power cord provides protection for you as you use your spa. Never bypass this system. This GFCI should be protected from the elements, especially moisture, and should be regularly tested for safe operation. Once a month you should press the TEST button on the GFCI with the spa operating. The power light will go out if the GFCI breaker trips. Pushing the RESET button will restore power to the unit.

If the GFCI does not operate in this manner, disconnect the unit and notify your dealer for service. **DO NOT USE THIS SPA UNTIL A QUALIFIED PERSON HAS INSPECTED THE SPA, AND MADE ANY NECESSARY REPAIRS.**

Operating Instructions

The ease of movement of the Journey™ makes it ideal for use at different locations. Please make sure no matter where you install this spa, even temporarily, the same electrical guidelines, outlined above, are followed.

OPERATING INSTRUCTIONS

The Coleman Journey™ is thoroughly tested before it ever leaves the manufacturing facility. A very small residual amount of water may be present when you unpackage your spa. This may be wiped up with a soft rag or sponge before the initial filling of your spa.

Never fill your spa with hot water. Do not use artificially softened water which may corrode the metal parts of your spa.

CONTROLS AND START-UP

WARNING!

This equipment generates and uses radio frequency energy and if not installed properly, in strict accordance with the manufacturer's instructions, may cause interference to radio and television reception. It has been tested and found to comply with the limits for a Class B computing device in accordance with the specifications of subpart J of part 15 of the FCC rules, which are designed to provide reasonable protection against such interference in a residential installation. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause interference, which can be determined by turning the equipment on and off, the user is encouraged to correct the interference by one or more of the following measures:

1. Reorient the receiving antenna.
2. Relocate the receiver with respect to the tub.
3. Move receiver away from tub.
4. Plug receiver into a different outlet to insure spa and receiver are on different circuits.
5. If necessary, user should consult the dealer or a specialist in radio/television interference for additional suggestions.
6. A booklet prepared by the FCC may be helpful,

“How to identify and resolve radio-television interference problems.” This booklet is available from the U.S. Government printing office, Washington, D.C. 20402, Stock number 004-000-00345-4.

CONTROLS



Advanced microprocessor technology is combined with solid state electronic switches to create the spa control system. No programming is required; each control feature is a simple touch of a finger.

Initial Start-up

Your spa control has been specifically designed so that by simply connecting the spa tub to its properly grounded source, the control will automatically heat the water to the set temperature. (Minimum = 80°F, Maximum = 104°F, Default = 100°F.)

Pump Control

Press the “jets” button and the jets pump will run at low speed. Press the button again and the jets pump will run at high speed. Press the button again to shut the pump off. The pump will automatically turn off thirty minutes after running jets pump at high speed, and four hours after running jets at low speed. The filtration cycle will run for three hours. The low speed pump starts automatically when the heater is turned on. If automatically activated, the low speed pump cannot not be turned off with the “jets” pad; however, the high speed pump may be activated. It starts automatically for filtration and heating modes.

Temperature Control

Temperature adjustment is controlled by pushing the set temperature pad. The display shows

the actual water temperature unless the pad is pressed. When the pad is pressed, the display will show the set temperature. Pressing the pad a second time will cause the set temperature to increase or decrease depending on what direction was last chosen. Each successive press will change the set temperature in the same direction.

If the opposite direction is desired, release the pad and let the display revert to the actual water temperature again. Press the pad to display the set temperature, and again to make the temperature change in the desired direction. The LED in the upper right corner of the control is lit when the spa is heating.

Filter Cycles

The Journey™ has two filter cycles which run for three hours each. The first filter cycle begins immediately after the spa is energized. The second cycle begins 12 hours after the first cycle begins. During filtration, the low speed pump runs continuously and cannot be turned off with the “jets” pad.

Ozone

The Journey™ is pre-wired for ozone. This accessory may be installed by your dealer. After installing the ozonator, the spa will automatically generate ozone, a supplemental oxidizer, when running in the filtration cycles. Ozone is a good supplemental oxidizer and will reduce the amount of chemical sanitizer that need to be added to your spa. However, you may still need to add other chemical sanitizers depending on usage.

SAFETY FEATURES

Overheat Protection

In the unlikely event the spa should overheat, the display will flash “OH.” Contact your dealer for service.

Flow Switch

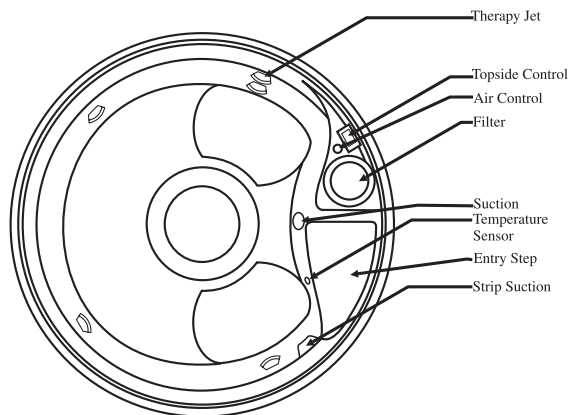
The display reads “FL” if the flow switch malfunctions. If a decrease in flow is sensed while running the spa, the heater will automatically turn off and not come back on. No error message is

noted. Contact your dealer for service.

Open Sensor

If either a high limit or temperature sensor malfunctions, the display will show “Sn.” Contact your dealer for service.

JETS, AIR CONTROL, and FILTER



Jets

Your Journey™ comes equipped with 5 jets strategically placed for maximum comfort.

Air Control

The intensity of the jet action can be controlled by altering the amount of air injected with water through the jets. Your spa has an air controller located adjacent to the topside control. The control activates air to each of the jets in the spa, allowing you to customize the combination of air and water to suit individual's comfort

Note: The air controller should be shut during heating cycles for maximum efficiency.

Note: If an ozone generator is attached, one jet will not operate off of the air control valve.

Filter

Your Journey™ uses a pressurized filtration system. **NEVER OPEN THIS FILTER CANISTER WHILE THE PUMPS ARE RUNNING.** This filter cleans your water by

Start Up Procedures

drawing water from both the safety suction located at the bottom of your spa and also through the strip skimmer located at water level just to the left of the step area. Your filter cartridge should be pulled and cleaned at least every 30 days. You may want to clean it after heavy use. See the section in Maintenance for more detailed instructions.

MAINTENANCE

Initial Start-up

Before filling your Journey™ for the first time, be sure to remove any water or debris which may be in the shell. Wipe down the entire shell with a damp cloth. Avoid using any abrasive cleaners. You may wish to use a vinyl preservative on the cover and skirt of your spa. This will have to be done periodically depending upon the climate you live in. Saddle soap may be used.

Do not use a product like Armor All® which actually may reduce the life of your cover and skirt due to its alcohol content.

1. Ensure that the drain valve and cap to your spa are closed and that both slice valves are locked open. This should be verified at the time your spa is installed by your dealer.
2. Loosen filter air bleed valve. Fill the spa to approximately 5 inches below the lip. **NEVER CONNECT POWER TO AN EMPTY SPA.** Ensure the filter cover is secured in place, and air bleed valve is closed..
3. Plug your Journey™ into a grounded, dedicated 115V 15 amp circuit. Test the circuit (See electrical installation instructions.)
4. It is advisable to “shock” your spa before your initial use. Please use either a non-chlorine shock or dichlor. Never use trichlor in your Journey™. Follow the chemical manufacturer’s recommendations for concentration and time.
5. Always turn your air control to the off position whenever the spa is not being used.

WATER CHEMISTRY

Water chemistry is critical in a spa system. The combination of high temperature and small volume requires careful control of the chemical balance and proper levels of sanitizing chemicals. Your dealer can provide you with a chemical start-up kit ideally suited for your spa. For usable gallons information, please see table on page 14.

Sanitizing

Sanitizing destroys the harmful organisms and keeps your spa healthy and safe. Two commonly used sanitizers are: chlorine and bromine. Chlorine and Bromine are chemicals known as halogens which are added to your water. Ozone is a gas that is produced by an ozonator and injected into the water to reduce the amount of sanitizer needed. **IT IS IMPORTANT THAT YOU HAVE A RESIDUAL AMOUNT OF CHEMICAL SANITIZER IN YOUR WATER AT ALL TIMES.** High water temperature, aeration, and heavy use will increase the need for sanitizer in your water. In addition to maintaining normal residual amounts of sanitizer, it is important to “shock” your spa periodically and after heavy use. This addition of substantial amounts of sanitizer “super-chlorinates” the water and oxidizes non-filterable organic compounds. Allow the sanitizer level to drop back to the residual level before using. Service calls attributed to improper water chemistry management are not covered under the terms of the Coleman Warranty.

pH Level

pH is the balance of acidity and alkalinity in the water. Maintaining proper pH is essential for the effectiveness of whatever sanitizer is used and helps prevent corrosion of the spa equipment.

Note: Keep chlorine or bromine residual between 3.0 and 5.0 ppm. Test water daily.

Note: Never mix two chemical together. Never store chemicals in the equipment cabinet of the spa.

Note: Do not use muriatic acid to balance pH. This will damage the shell.

Note: Do not use trichlor chlorine.

Recommended levels

pH: 7.2 to 7.6 (Ideal 7.4 to 7.6)

Sanitizer Residual: 3.5 to 5.0 ppm

Total Dissolved Solids: 100-200 ppm

Free Available Sanitizer: 3.0 to 5.0 ppm

Total Alkalinity: 80 to 100 is ideal for dichlor and
bromine.

Other chemicals, such as metal removers or anti-foaming agents are available. Please contact your dealer for special requirements in your area.

These guidelines cover most common procedures when operating a spa with ozone. If special situations may arise, contact your local dealer.

WATER MAINTENANCE USING THE POWERWORKS® OZONATOR

Equipping your spa with a Powerworks® Ozonator is a smart decision. The use of an ozonator in conjunction with normal spa sanitizing and water balancing chemicals will give you a cleaner, healthier spa environment. Maintenance and chemical usage will be significantly reduced, and you will enjoy cleaner water.

Sanitizing with Ozone

The amount that spas are used varies tremendously from family to family. For this reason, you will want to establish your sanitizing program based upon personal use. When using ozone, start by balancing your water chemistry normally. A spa should be run and ozonated no less than six hours per day. Your spa produces ozone during the two, three hour filtration cycles.

The amount of residual sanitizer (chlorine or bromine) maintained in the water is dependent upon usage. It is recommended a level of 3.0 to 5.0 ppm be maintained. Periodically, and after heavy use, it is recommended to “shock” your spa with large amounts of sanitizer. Specialty “spa shock” chemicals are available from your dealer. Coleman recommends shocking the spa prior to first usage.

Specialty Chemicals

Although ozone greatly reduces the amount of chemical sanitizers needed, it is a good idea to keep a supply of either chlorine or bromine on hand. Heavy usage or changing the water will require that additional chemicals be added.

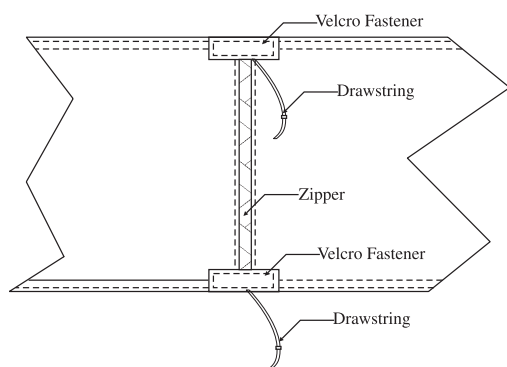
Hot Water Guide

Problem	Cause	Solution
Cloudy Water	<ul style="list-style-type: none"> • Inadequate filtration/dirty filter • Excessive oils/organic matter • Improper sanitation/bacteria • High pH and/or high alkalinity • Suspended particles/organic matter • High total dissolved solids (TDS) 	<ul style="list-style-type: none"> • Check to make sure the filter is running properly/Clean filter with a filter cleaner or degreaser. • Shock the spa with a chlorine or bromine sanitizer/shock or other shock treatment product. • Increase sanitizer level to balance water and shock if needed. • Adjust pH; add appropriate sodium bisulfate product. • Use clarifier Note: If using an ozone generator, do not use polymer based clarifiers. • Depending on the severity-drain the spa to half and refill; or drain the spa completely, clean and refill.
Water Odor	<ul style="list-style-type: none"> • Excessive organics/too many chloramines insufficient free available • Improper sanitation • Inadequate filtration • Low pH 	<ul style="list-style-type: none"> • Shock the spa with a chlorine or bromine sanitizer/shock or other shock treatment product. • Increase sanitizer level to balance water; shock if needed. • Check to make sure the filter is running properly/Clean filter with a filter cleaner or degreaser. • Raise pH with sodium bicarbonate product. If metals are present, add chelating agent.
Chlorine Odor	<ul style="list-style-type: none"> • Too many chloramines-insufficient free available chlorine • Low pH 	<ul style="list-style-type: none"> • Shock the spa with a chlorine sanitizer/shock or non-chlorine shock treatment. • Adjust pH; raise pH with sodium bicarbonate product.
Bromine Odor/ Yellow Water	<ul style="list-style-type: none"> • Low pH 	<ul style="list-style-type: none"> • Adjust pH; raise pH with sodium bicarbonate product.
Musty Odor	<ul style="list-style-type: none"> • Bacterial or algae growth 	<ul style="list-style-type: none"> • Shock the spa with a chlorine or bromine sanitizer/shock or equivalent shock treatment product. If problem is visible drain, clean, refill and balance spa.
Foaming/Scum Ring Around the Tub	<ul style="list-style-type: none"> • Build up of body oils, lotion and chemicals resulting from soap or detergent 	<ul style="list-style-type: none"> • Add defoamer; or drain and refill.
Algae	<ul style="list-style-type: none"> • pH Imbalance • Low free chlorine or bromine concentration 	<ul style="list-style-type: none"> • Adjust pH • Shock with a chlorine or bromine sanitizer/shock or other shock treatment product.
Eye Irritation	<ul style="list-style-type: none"> • Low pH • Insufficient free available chlorine 	<ul style="list-style-type: none"> • Raise pH with sodium bicarbonate product. • Shock with a chlorine sanitizer/shock or other shock treatment product.
Skin Irritation/ Rash	<ul style="list-style-type: none"> • Unsanitary/polluted water 	<ul style="list-style-type: none"> • Maintain recommended sanitizer residual at all times; superchlorinate or use a non-chlorine shock treatment.

	<ul style="list-style-type: none"> • Soaking too long • Water temperature too high 	<ul style="list-style-type: none"> • Soak for smaller intervals, such as 15 minutes. • Reduce water temperature.
Scale	<ul style="list-style-type: none"> • Too much calcium dissolved in water • pH and total alkalinity too high 	<ul style="list-style-type: none"> • Add a scale control product. Adjust total alkalinity and pH levels by adding the appropriate sodium bisulfate product; with concentrated scale deposits-drain the spa, scrub the scale off, refill the spa and balance the water.
Erratic pH Test Results/Unusual pH Test Color	<ul style="list-style-type: none"> • Sanitizer level too high • Old pH indicator dye 	<ul style="list-style-type: none"> • Test the pH, when the sanitizer level is below 5 ppm • Replace the pH indicator dye.
Sanitizer Dissipating Too Rapidly	<ul style="list-style-type: none"> • Excessive organics in water • Temperature too high • Low pH • Low pH Corrosion of Metal Fixtures • Low calcium hardness • Low total alkalinity 	<ul style="list-style-type: none"> • Increase shock dosage; add sanitizer; have bathers shower before entering spa. • Reduce temperature. • Raise pH with sodium bicarbonate product. • Use a chelating agent if metals are present. Keep proper pH level (7.2 to 7.6). • Use a chelating agent if metals are present. Maintain minimum 150-200 ppm calcium hardness. • Use a chelating agent if metals are present. Maintain proper alkalinity for type of sanitizer used.

Spa Wrap Care

The fabric on your spa is made of a weather-resistant vinyl. Mild soap or detergent may be used to clean dirt and grime off. Special products for the care of this vinyl wrap are available through your dealer. Do not use abrasive cleaners. Do not use products which affect the plasticizer such as Armor-all.



The longevity of your spa wrap is dependent upon weather conditions, especially sunlight. Regular care and treatment is essential.

Cover Care

The thermal cover on the spa is made of the same material as the vinyl wrap. Follow the same guidelines for the Spa Wrap Care.

Draining the Spa

ALWAYS UNPLUG YOUR SPAS BEFORE DRAINING. The drain hose may be accessed by unzipping your spa wrap. Remove the screws holding the equipment door. A drain hose with a garden hose attachment is in this compartment.

The spa's water must be kept at the water line indicator on the skimmer. Evaporation or splashing may significantly lower the water level. Low water level will affect the performance of the spa. **NEVER RUN THE SPA WITHOUT WATER.** Damage to the pump and heater will occur.

High concentrations of impurities caused by evaporation, body oils, perfumes, and other contaminants may accumulate in the spa. These may not be filtered out. It is advisable to drain and refill the spa every six to eight weeks, depending upon

Spa Care and Maintenance

use.

Priming the Pump

In the unlikely event the pump will not prime after refilling, purge the air from the sealed filter canister by slowly opening the airbleed valve on top. Do not remove airbleed valve plug, start pump and close airbleed valve as soon as water comes out the opening. **DO NOT OPEN THE AIR-BLEED WHILE PUMP IS RUNNING, IT WILL SPRAY WATER UP INTO THE AIR.**

Cleaning the Shell Surface

The spa shell is vacuum formed from an extruded plastic material. **NEVER USE ABRASIVE CLEANERS ON THIS SURFACE!** A minimum amount of care and cleaning will keep your spa looking brand new.

Use a spa cleaner for residue and lime build-up at the water level. This can be applied with a soft cloth and wiped clean. Use small amounts to keep from polluting the water. It may be necessary to lower the water level 2 to 3 inches to remove the film that builds up.

Use common, non-abrasive household cleaner to clean the shell. Mild household detergent may also be used. Do not use solvents of any kind on this material. Remove dust and dirt with a soft, damp cloth.

Avoid using razor blades or any other sharp objects to remove anything from the shell.

Filter Maintenance

The removable filter cartridge is located in the sealed canister adjacent to the topside control. The filter should be removed and cleaned at least once a month, more with heavy use. Keep the filter clean! A dirty filter will reduce the efficiency of the spa operation.

To clean the filter:

1. Disconnect the spa from the power supply.
2. Drain the spa through all of the drain hoses. The drain hoses will not drain off all of the water. You may use a wet-vac to remove the remaining water from the spa. R.V. antifreeze should be

added to any remaining water in the spa through the bottom of the skimmer and through the jets. If antifreeze is used, it must be an inhibitor Propylene Glycol such as Dow Frost available through Dow Chemical Distributors.

3. Loosen air bleed valve, lift the filter canister lock tab, turn outer ring counter-clockwise, and remove. The lid should then pull up.
4. Remove the filter cartridge and place on a clean surface.
5. Spray the cartridge with a garden hose, rotating the cartridge until all sides have been cleaned. Inspect the cartridge. Damaged or torn cartridges should be replaced.
Remove any remaining debris from between the pleats.
6. If necessary, use a filter cleaner or degreaser to remove oils or dirt which are trapped in the filter.
7. Allow the cartridge to dry completely. Check for scale-like deposits which indicate the presence of calcium.
8. Check the bottom of the skimmer for debris. This may be wiped out using a soft cloth.
9. Return the cartridge to the canister, replace the lid and locking ring, and turn clockwise to reseal. It may be necessary to bleed air from the system after power is restored to the system. See section on Priming the Pump on page 12.

WINTERIZING

The Journey™ has been designed for use in all climates year round. Long periods of extreme cold, especially with high winds, may increase the heating cycle time for the system. This is normal. Make sure the spa cover is always securely fastened down to reduce heat loss and heat cycling.

The lightweight design of this spa makes moving it indoors very easy. If you leave the spa unattended for long periods of time in extremely cold climates, Coleman recommends the spa be drained and winterized to avoid freezing due to

power loss.

To winterize, disconnect the power supply and then follow the instructions for draining the spa. Next:

1. Remove, clean and store the filter cartridge.
2. Wipe any remaining water from the spa shell and filter canister.
3. You may remove residual water from the plumbing by using a wet/dry shop vac. The spa may be tilted on its side to aid in removing any excess water.
4. Coil the cord and secure inside the equipment bay.
5. Make sure both slice valves, pump drain plug, and the drain line remain open during storage.
6. Reattach the vinyl wrap after securing the equipment bay door.

7. Secure the vinyl top to the spa.
8. For best results, move the spa to indoor location.
9. For further winterizing tips, contact your dealer.

Note: If you choose not to drain your spa and the temperature is going to be below freezing for extended periods of time, especially 0° or less, it is best to operate the heater at a higher temperature (90° to 100° F). (If the tub is not going to be used or kept in the 100° range, problems may occur if the electrical power is interrupted.) Coleman recommends the temperature be set higher during these periods. This will help prevent freezing the water in the spa plumbing.

Freeze damage caused by loss of power is not covered under warranty.

PROBLEM SOLVING GUIDE

Problem	Usual Cause	Solution
System not operating	A. House circuit tripped B. Power GFCI tripped C. Power cord not attached	A. Reset house breaker B. Reset GFCI C. Plug in cord
Heater not functioning	A. Not set to heat B. No power to heater C. Heater malfunction D. Water level too low	A. Adjust temperature B. Check GFCI or house breaker C. Contact dealer D. Raise water level
Water not clean (See Note Page 8)	A. Clogged or blocked suction B. Filter Dirty C. Poor water chemistry D. Improper maintenance E. High content of solids in water	A. Clear debris from suction B. Remove and clean C. See “Water Chemistry” section. D. See “Maintenance” section. E. Use clarifier or drain and refill.
Abnormal Water Usage	A. Excessive evaporation and/or splashing	A. Use spa cover/refill as necessary
Overheating	A. High ambient temp (over 100° F).	A. See “Installation” section
Low water pressure	A. Pump set on low speed B. Blocked suction C. Dirty filter D. Water level too low	A. Turn pump to high B. Clear debris C. Remove and clean D. Raise water level
No water from jets	A. Unit not plugged in B. GFCI tripped C. House circuit tripped D. Air Locked pump E. Water level too low F. Defective pump	A. Plug in unit B. Reset GFCI C. Reset breaker D. See Priming the Pump p.12 E. Raise water level F. Call dealer

Spa Soaking Guidelines

Noisy pump	A. Clogged suction B. Low water level C. Defective pump	A. Clear debris B. Add water to fill line C. Contact dealer
Water leak from spa		A. Check unions and drain line. B. Contact Dealer
No air flow from jets	A. Air control not open B. Jet nozzle mis-seated C. Nozzle missing	A. Open air control B. Reseat jet. C. Replace nozzle
Spa will not function	A. House circuit tripped B. GFCI tripped C. Improper electrical service D. Thermal protection	A. Reset breaker B. Reset GFCI C. Contact dealer D. Allow pump to cool and reset. Contact dealer if problem persists

Spa Soaking Guidelines

- Persons with heart disease, diabetes, high or low blood pressure or any serious illness, and pregnant women should not enter a spa without prior consultation with their doctor.
- People with skin, ear, genital or other body infections, open sores or wounds should not use the spa because of the possibility of spreading infection.
- Before entering, look at the water in your spa. If there is cloudiness or foaming, or if a strong chlorine smell is present, the water needs treatment. Soaking in such water greatly increases your chances of getting a skin rash (pseudomonas). Be sure to maintain the water properly. Ask your Authorized Coleman Spas Dealer for guidance.
- Shower with soap and water before and after using the spa. Showering before use washes away many of the common skin bacteria, and removes lotions, deodorants, creams, etc. Perspiration and lotions will reduce the effectiveness of the sanitizer and lessen the ability of the filter to work efficiently.
- Enter the spa slowly and cautiously. Be careful of your footing, and allow your body to gradually get used to the water temperature. Leave slowly as well, because your leg muscles may be sufficiently relaxed to make you a bit unsteady, and you may become lightheaded.
- Soaking for too long makes some people nauseous, dizzy, lightheaded or faint. **Don't soak in 104°F (40°C)** water. If you wish to soak for a longer period of time in high temperatures, leave the spa after 15 minutes, shower, cool down and then return for another brief stay. In lower temperatures (e.g. 98.6°F (37°C)—normal body temperature) most people can comfortably and safely soak for longer periods at one sitting. If you have any questions about what's right for you and your family, consult with your doctor.
- Be sure you check the water temperature before and while in the spa.
- Never use the spa while under the influence of alcohol.
- With any drug or medication, consult with your doctor about potential harmful effects from combined use of the drug and hot water soaking.

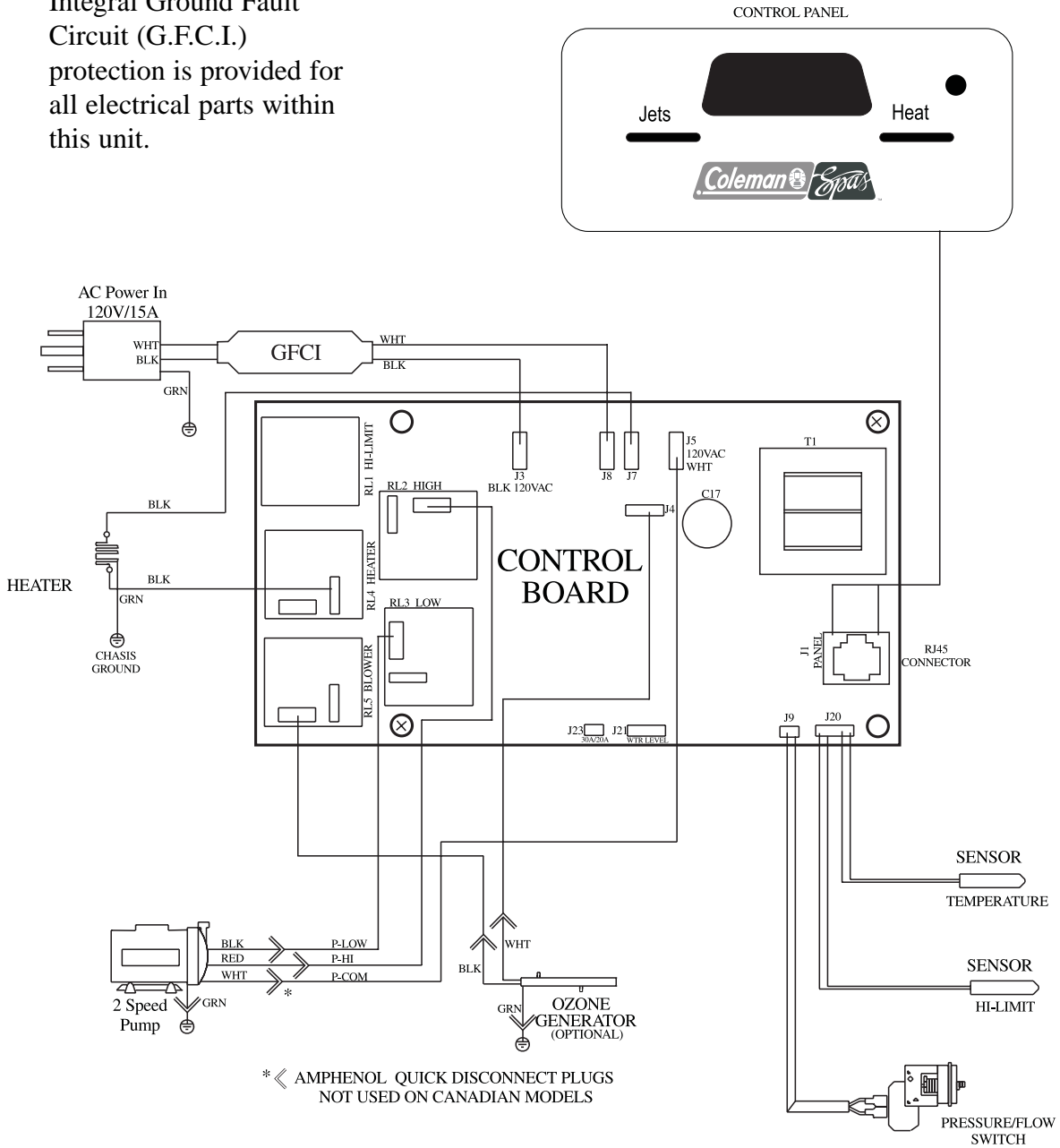
Technical Specifications

Dimensions	72"Diameter x 29"
allow 1/4" variance	
Seating Capacity	4
Usable Gallons	190
Weight in lbs (empty/full)	195/2200
Electrical Requirements	120V, 15A Cord connect with GFCI-standard. (except Canada)

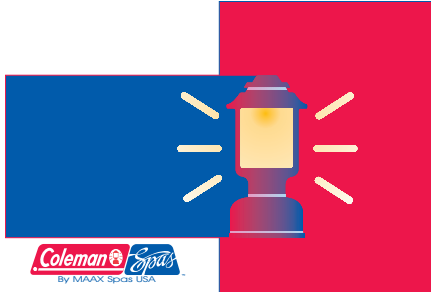
- Never use the spa when you are alone, for safety's sake.
- Never allow children to use the spa unsupervised.

Wiring Diagram

NOTE:
Integral Ground Fault
Circuit (G.F.C.I.)
protection is provided for
all electrical parts within
this unit.



Horizon & Spectrum Series



Owner's Manual

**CHOOSE A MANUAL
TO VIEW**



Owner's Manual



Owner's Manual

