



# Laurel Mountain



## Walk-In Bathtub Installation and Owner's Manual



W9.14

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## Laurel Mountain

Laurel Mountain factories have been producing custom bath tubs for over twenty years. Their experience and commitment to quality and service enables them to provide you with walk-in tubs that are both safe and enjoyable to use.

### Receiving your Walk-in Bath

It is very important to inspect your tub even if there is no carton damage, before you sign for it. When you sign for the delivery, you are accepting the tub in that condition. If your tub was damaged during transit, it must be clearly noted on the delivery receipt. To properly inspect the unit, first look over the carton for any potential damage points. Then open the box and inspect the top and inside of the unit. If there is no damage observed, then you can sign the delivery receipt. If damage has been detected you can either refuse the tub, or clearly note the damage on the delivery receipt and receive the tub. If you accept the tub, call Laurel Mountain so we can arrange to have the unit repaired. Photograph all damage and contact Laurel Mountain. If you refuse the tub, contact Laurel Mountain and we will assist in filing a freight claim or scheduling a repair.

### \*Water Test\* Your Walk-in Bath

Your Laurel Mountain bathtub has been water tested prior to shipment. However, due to transportation and potential on-the-job conditions, you should NOT install this tub until making a final water test. Building material & wiring should be routed away from the pump or other heat producing parts of this tub. Please follow these instructions to insure an easy and safe installation process. Any deviations, additions, or deletions to your Laurel Mountain tub or its hardware will void the warranty of this product if written approval is not obtained from the manufacturer.

### Features





All panels are secured using powerful magnets and clips.

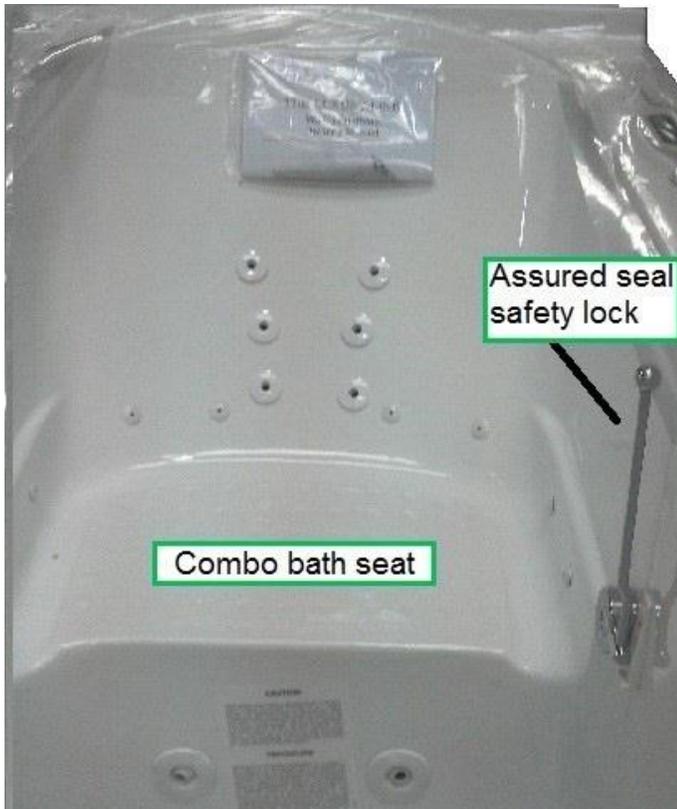


Removing the access panel reveals the water pump and air blower locations for ease of service.

## Preparing for Installation

1. Never lift a whirlpool by the pipes! This causes severe damage to the whirlpool system. Lift from the frame.
  2. Before installation cover all jets and suction to prevent debris falling into them creating a blockage.
  3. Cover the door drain located at the bottom of the door with tape to avoid blocking it with debris.
  4. NEVER use the door as a handle for lifting or as a seat.
  5. Cover the tub surface while setting tile or painting to avoid damaging the high gloss finish.
  6. Do not dry wipe the unit during the cleaning process. Always use mild soap and water and a fresh soft cloth.
- \*IMPORTANT\*** Be sure to uncover all holes and blow out the door drain with compressed air before filling and testing after the installation has been completed!
- \*PLUMBERS please note:** The door drain must be connected to the main assembly.

**FRAMING IN-** The dimensions in our literature may slightly vary in the actual product measurement. Installation measurements should be made directly from your tub.



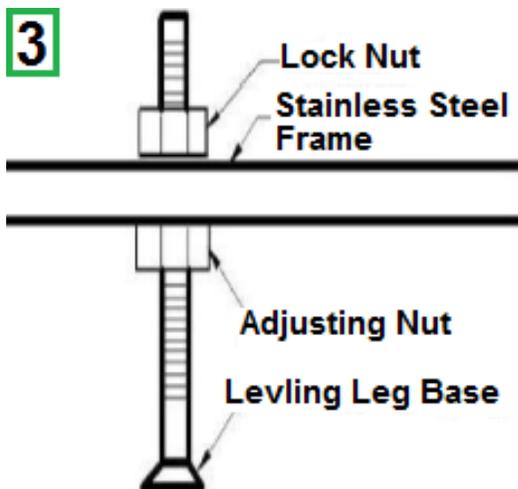
## Installation Instructions



After removing your old tub or shower, take a level and check to be sure all the walls are level. Next, remove any debris and check for any obstruction that may interfere with your installation.



Now you can bring in your new unit and begin to install it. Make sure that all sides fit to the walls and begin leveling the unit.



Use the five leveling legs provided to adjust height and achieve uniform leveling of the tub. Loosen the top (locking) nut by turning counter-clockwise, then loosen the bottom (adjusting) nut and move up or down according to leveling demands. After achieving the proper adjustment, tighten the lock nut to secure the leveling leg.



After properly leveling the unit, your plumber is now ready to install your plumbing. After the plumbing has been installed, it is imperative that you check for any leaks at this point before proceeding any further.

Depending on the size of the unit that you choose, there may or may not be additional space left which in most cases can be easily converted to a handy shelf to hold soap, shampoo etc..., as shown here during the framing stages.



Be sure to use waterproof materials on the walls surrounding your bathtub such as cement board shown here to avoid any future mold issues.



You are now at the point which the walls can be covered with your choice of materials. We chose tile. No matter what you use, please pay close attention to detail to ensure that your Laurel Mountain Walk-In Bathtub will retain its Elegant luster.





## Electrical & Wiring Instructions

Rough in the wiring on a single 120VAC, 20 amp, GFCI protected dedicated circuit for each accessory installed on the tub.

### **WARNINGS:**

- 1) All electrical connections must be made by a **licensed certified electrician** in accordance with the requirements of the National Electrical Code and applicable state and local codes and procedures.
- 2) All circuits connected to this unit must be equipped with Ground Fault Circuit Interrupter (GFCI) protection. It is the tub installer's responsibility to wire the circuit with GFCI.
- 3) All bathtubs equipped with an inline heater require two dedicated circuits. One for the whirlpool system and one for optional inline heater.
- 4) **DO NOT** splice a longer cord to the power supply cord and **DO NOT** connect to an extension cord.

All whirlpool, air systems, and heaters are equipped with a molded plug on the end of a power supply core. Install a separate, dedicated 120VAC, 20 Amp GFCI protected electrical wall plug outlet inside the access panel for each accessory equipped on the tub. For example, if the tub is equipped with a whirlpool system only, then one GFCI wall plug outlet is necessary. If the tub is equipped with both whirlpool system and a heater then two separate circuits with GFCI wall plug outlets are required. Be sure to count the number of accessories before installing the GFCI wall outlets. Also, the power supply cords equipped with each accessory are only 2.5' long so locate the GFCI wall outlet within 1.5' of the intended accessory.

### **Electrical Requirements**

.75 hp Pump – 120V, 7.5 Amps	Whirlpool heater – 120V, 12.0 Amps
2 hp Pump – 120V, 9.5 Amps	Air / Soaker heater – 120V, 12.5 Amps
2.5 hp Pump – 120V, 13.5 Amps	Air / Soaker heater – 240V, 16.0 Amps
2 hp Blower/Heater – 120V, 12.0 Amps	Ozonator – 120V, 1.0 Amps

**Please note**, that when sizing the electrical circuits to power the unit, you should always check the rating labels on equipment because there could be changes.

## Plumbing Installation

Install fill valves and spout in the desired locations. Note, due to various possible fill valve and spout locations, the holes are not drilled at the factory. Make certain that the spout is long enough to clear the interior rim of the tub. If installing fill valves on the deck of the tub, be sure that you have enough clearance for connections of valve to tub and water connections before drilling/cutting into tub. Seal the joints under the tub rim and against the wall with a water resistant seal. Then install a standard 1.5" trap to the drain and overflow.

Before proceeding, make a final operational check by filling the tub with water to the overflow and operate for at least 5 minutes. Leave the water in the bath for 30 minutes, check the connections for leaks during and after operation. Complete the installation with desired trim material on the back wall, side walls, and down exposed interior walls.

## Important Safety Instructions <save these instructions>

### Do

Ensure your qualified electrician supplies a Ground Fault Circuit Interrupter (GFCI) during installation. This offers necessary protection to your unit and should be tested periodically. To test, simply push the <TEST BUTTON> and power should be interrupted. Then push the <RESET BUTTON> and power should be restored. If not, **DO NOT** use the unit as this indicates there is a ground current flowing and that a possibility of **ELECTRIC SHOCK** exists. Disconnect the unit at once and call a qualified electrician before further operation.

Use this tub for its intended purposes described in this manual. The manufacturer does not recommend using any attachments not specifically approved in this manual.

### DO NOT

Allow any electrical appliances near the bathtub.

Use alcohol, drugs or medication. This will greatly increase your risk of hypothermia or drowning.

Use this tub if you think or know you are pregnant. Consult your physician first.

Allow children to use the bathtub without adult supervision.

Operate the whirlpool without the suction cover.

Insert any objects into any of the openings.

Use options **NOT** installed by the manufacturer.

## Care & Cleaning Instructions

### WHIRLPOOL

Prior to using the whirlpool, the tub and its system(s) should be thoroughly cleaned and disinfected. **DO NOT** use abrasive cleaners on the high-gloss acrylic finish. Use a non-abrasive cleaner and rinse thoroughly after cleaning. To remove the labels on the tub, we recommend using fingernail polish remover if they do not come off easily. Fill the tub up with water at least 2" above the highest jet, then add 2 tsp. of low sudsing automatic dishwashing detergent and no more than 8 oz. of household bleach. Operate your whirlpool for 5-10 minutes and then drain the tub. Refill the tub with water and run the system for another 5 minutes, then drain. Repeat every 30 days unless an ozonator was purchased.

### ALL TUBS

Your bath has an acrylic finish and will retain its high luster for years with proper care. Never use an abrasive cleaner or pad to clean your bath tub. Always use a soft cloth or sponge along with a spray liquid non-abrasive bath cleaner/disinfectant. On the metallic finish, use only a soft cloth and warm soapy water.

## Operation Instructions

Laurel Mountain will not be held responsible for water damage of any kind in connection with the installation or operation of one of our bathtubs. All whirlpool jets must be completely submerged below water before starting the pump. **Do not operate the pump without water, damage will occur.** Do not block the overflow drain and allow water to reach the controls as they are not waterproof and leaks to the floor may occur.

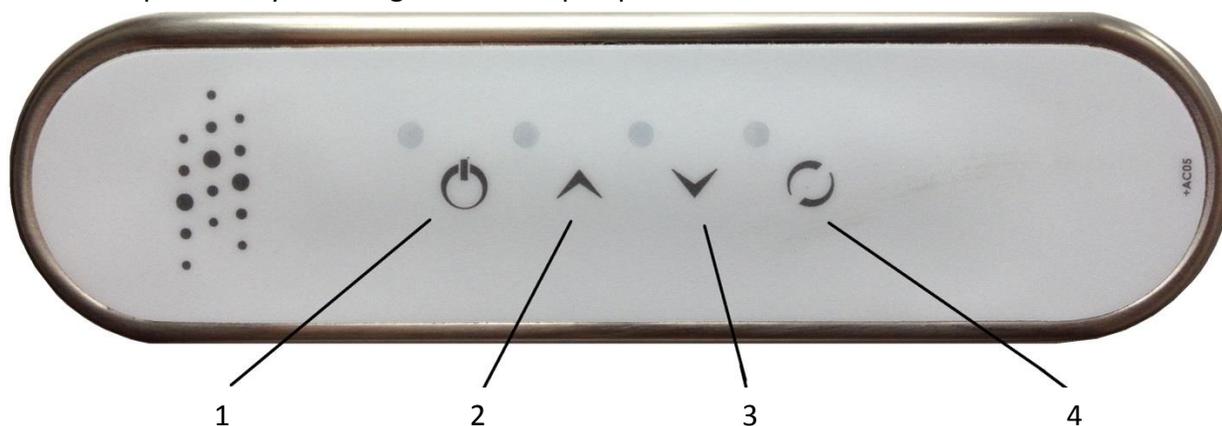


## Whirlpool Operation

If your Walk-in tub has a whirlpool system, simply pushing the air-switch button will turn the system on or off. The dial next to it will cycle through the various speeds of the pump (low, medium, and high). The two back leg jets may be adjusted by turning the jet ring/trim clockwise and the water flow will increase, while turning the jet trim counterclockwise will decrease the water flow. The jets can be closed if turned far enough counterclockwise. The 14 jet system has a 2 hp pump and requires a 20 amp dedicated circuit, 120V.

## Air Bath Operation

The air blower is operated by touching the control pad pictured below.



1. **ON/OFF** – Press to start, press again to stop
2. **INCREASE SPEED** – Press and hold to increase the speed of air flow. Release when desired speed is reached.
3. **DECREASE SPEED** – Press and hold to decrease the speed of air flow. Release when desired speed is reached.
4. **PULSE CYCLES** – Pressing this button once will turn on Wave Mode which fluctuates the blower from minimum to maximum power. Pressing the button again changes to Pulse Mode. In Pulse Mode, the blower will release air in short, intense bursts. Pressing the button again will return the blower to normal.

Standard Drying Cycle – An automatic drying cycle will start 20 minutes after the blower is turned off. The blower LED blinks while waiting for the purge cycle.

24 Hour Programmable Drying Cycle – The system must be stopped prior to activation or deactivation.

Activation – Determine at which time you wish the purge to activate. At that precise time press and hold Button 2 on the keypad for 5 seconds. All of the LED lights will flash twice to confirm the activation is complete. The purge cycle will now start at the programmed time every 24 hrs. In the event of a power failure the program will be automatically deactivated.

Deactivation – Press and hold Button 2 for 5 seconds. All of the buttons will flash once to confirm deactivation.

### Functioning

- 1) 16 lateral turbo air injectors spaced around the lower side walls of the tub.
- 2) The system functions with a 2 hp blower / 600W air heater that is separate from any other systems.
- 3) This system requires a 20Amp dedicated circuit, 120V.
- 4) The air heater is designed to provide a warm air massage. It is not designed to heat the bath water.

## Options & Features

### Whirlpool Inline Heater

The inline heater is designed to MAINTAIN the temperature of the bath water between 101-104 degrees Fahrenheit. These limits cannot be increased or decreased. The Heater is operated by a pressure switch which is programmed into the heater. This switch allows the heater to operate only when there is sufficient water flowing through the system.

**DO NOT BYPASS THE SWITCH.** This option is equipped with a molded plug on the end of a supply cord. Check your local codes and install a 120VAC 20amp GFCI protected dedicated circuit wall outlet within 1.5' from the heater unit. Plug the cord into the outlet. Every time the whirlpool unit is activated, the heater will activate as well, and will MAINTAIN the water's temperature between 101-104 F.

### Water Heater for Air Bath and Soaker Tubs

The on/off button on the bath tub activates/deactivates the heater. The heater has a built-in 20 minute timer and is a low flow/high efficiency pump, providing silent operation. The option is equipped with a molded plug on the end of a power supply cord. Check your local codes. For the LM305 install a 120 VAC 15amp GFCI, and for the LM306, install a 250 VAC 25amp GFCI. Both water heaters should have a GFCI protected dedicated circuit wall outlet located within 1.5' from the heater unit. Plug the cord into the outlet. This heater is designed to MAINTAIN the temperature in your bath water between 101-104 deg Fahrenheit. These temperatures are preset and cannot be adjusted.

### Hydrotherapy Back Massage System

**Back Massage Functioning** - Includes 8 jets that function on an independent 3/4 hp (7.5Amps). 2 jets work at a time cycling up and down your back. This system requires a 20Amp dedicated circuit, 120V.

**Back Massage Controls** – **DO NOT OPERATE the back massage system before you are in the tub and ready for use. Doing so will spray water out of your tub!** (1) The push button located at the bottom left of the photo above turns the unit on and off. The dial (2) on the left is the Air Control for the back massage system. Adjusting this will increase and decrease the intensity of the jets. The large dial (3) on the right will adjust the cycling speed of the jets from completely stopped on 2 active jets, to quickly cycling up and down through the entire back massage system.



## Chromotherapy Mood Light

The ColorGlo LED Multi-Color bath light comes pre-programmed with 10 light modes. To change modes, switch the unit off and then back on within 5 seconds. To resume a lighting mode, leave the unit switched off to save the last lighting mode displayed in memory. That same lighting mode will display the next time the unit is switched on. DO NOT attempt to service the electronic components yourself. Any opening, altering or tampering with this product will void the manufacturer's warranty. DO NOT submerge the transformer in water or allow it to get wet. Keep the unit dry at all times. DO NOT allow this unit to freeze.

## Ozonator

This factory installed option sanitizes your whirlpool. When your whirlpool system is operating your ozonator is generating ozone which is mixed with the re-circulating bath water. The ozone helps neutralize soaps, body oils and other organic and inorganic materials. This unit eliminates the need to run a sanitation solution through the tub's circulating system.

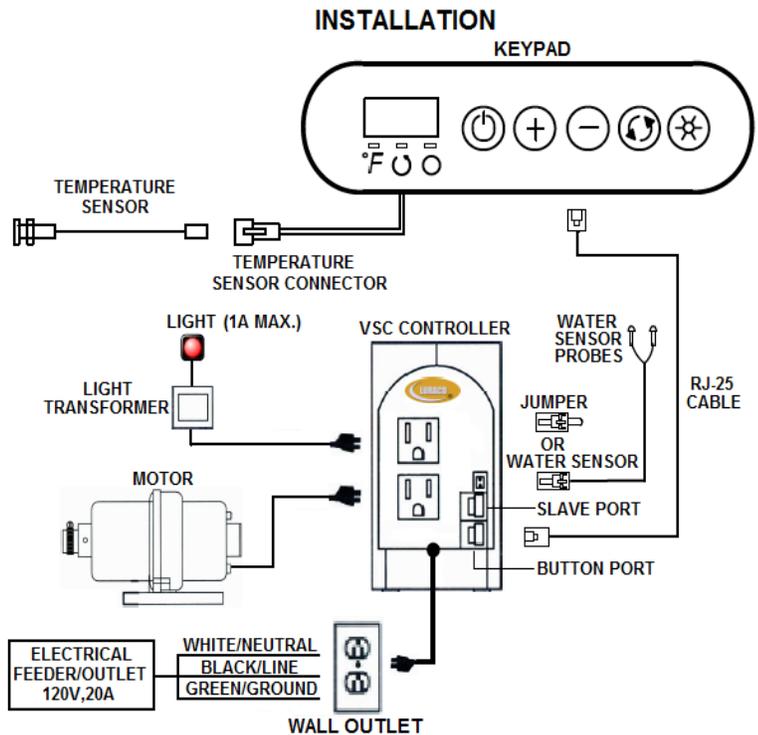
## Aromatherapy

This option uses your favorite pure essential oils and their fragrances to treat your mind and body. A few drops added to a felt pad in the aromatherapy canister provides the scent to relax and achieve your desired mood. Place the cap on the canister and operate your air massage system. The scent is drawn into the air system and blown through the air injectors.

Solo Touch Control - The Solo Touch system operation and installation information is shown below.

### OPERATION

1	Display	Screen off/on - Displays temperature, speed, time remaining, or error info.
2	Temperature in F	Displays temperature value in degrees Fahrenheit.
3	Speed level	Displays speed level from 1 to 10.
4	Time Remaining	Displays the time remaining in minutes.
5	Power button	1st press activates pump, light, and LED. 2nd press deactivates pump, light, and LED.
6	Speed + button	Speed increases by 1 level, display will show current speed.
7	Speed - button	Speed decreases by 1 level, display will show current speed.
8	Pulse mode button	1st press activates pulse mode & LED. 2nd press deactivates pulse mode & LED.
9	Light button	1st press activates Light mode & LED. 2nd press deactivates light mode & LED.



## Features:

**Pulsating Mode-** The pump speed varies automatically with a cycle period of approximately 10 seconds. Speed 10 is the default speed but the keypad will remember the last speed used after being shut down and will automatically revert to that speed. \*Wait 5 seconds after powering on the unit to adjust the speed settings\*



## Laurel Mountain Whirlpools Warranty

This Laurel Mountain Whirlpools bath is warranted to the original purchaser to be free from defects in material and workmanship for the following periods. The bathtub shell and door seal carry a limited lifetime warranty. The pump, blower and heater have a limited 10 year warranty. All other parts have a limited 5 year warranty. Proof of purchase is required. This warranty is issued to the original purchaser and shall be effective from the date of purchase as shown on purchaser's receipt. Laurel Mountain Whirlpools will repair or replace (at their choice) any unit which proves to be defective in material or workmanship under normal use and service, having been properly installed. This warranty is the only express warranty made by Laurel Mountain Whirlpools and is limited to the duration of this warranty. Any labor charges and/or damage incurred in installation, repair or replacement as well as incidental and consequential damages connected therewith are excluded and will not be paid by Laurel Mountain Whirlpools. Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you. This warranty is void for any damage to the bath due to abuse, misuse, neglect, accident, improper installation, any use violating instructions furnished by us, or repair not authorized in writing by Laurel Mountain.

### WHIRLPOOL

### AIR BATH

PROBLEM	SOLUTION	PROBLEM	SOLUTION
<b>ON/OFF BUTTON</b> Won't depress	Remove trim ring and plunger. Clean interior, lubricate with small amount of vasoline.	<b>BLOWER</b> -Fails to operate	-Check electric power supply. Reset the circuit breaker or replace fuse if necessary. -Check ground fault circuit interrupter. Reset if tripped. -If the system has been functioning for an extended period of time, it is possible that the thermic protection has shut off the motor. Allow to cool off for at least 30 minutes before further use.
<b>PUMP</b> -Won't Start	-Check to see if on/off switch or pneumatic switch is ON. -Check electric power supply. Reset the circuit breaker or replace fuse if necessary. -Check ground fault circuit interrupter. Reset if tripped. -Check to see if both ends of plastic air switch tubes are connected.	<b>MOTOR</b> -Runs but no air blown through jets	Verify that the main air hose from the manifold to the blower is properly connected. If necessary, reconnect and tighten clamps.
-Motor hums	Check for binding of motor shaft or obstruction in pump. Manually rotate motor shaft to see that shaft turns freely. -Check to see if highest jet is clogged. Check to see that water is at a high enough level for pump to prime. -Check for air leak in suction line. Slightly loosen pump union & then retighten by hand. -Check for obstruction in piping system.	<b>JET HEAD AIR OUTLETS</b> -Are obstructed	If the air outlets of a jet head are obstructed by soap or other residues, fill the tub with warm water, then switch the system on and off several times. The air outlets should be cleared, if this is not sufficient, carefully tap on the jet heads with the handle of a screw driver or similar tool while the blower runs.
<b>LEAKS</b> -Pump Unions -Pump o-ring or seal -Pipe to Jet	Loosen pump unions and inspect o-ring for proper sealing. Retighten.  Call Laurel Mountain Whirlpools customer <b>service</b> at 1-800-930-0050	<b>AIR HEATER</b>  -Does not appear to be working	-Fill the tub to working level & operate blower on high for 5 minutes. Carefully feel the flexible connection hose where it connects to blower. The hose and its immediate area should feel warm to the touch, if not, call Laurel Mountain Whirlpools  -If your tub is installed against 2 outside walls, insulate to minimize heat loss.
<b>JET</b> - Low/no water pressure	Turn the trim ring around the jet. This will open/close the jet.		