

**IMPORTANT SAFETY INSTRUCTIONS
READ AND FOLLOW ALL INSTRUCTIONS**

Owner's
Use and Care Guide for

Hydromassage Baths

With

**Installation
Instructions**

SAVE THESE INSTRUCTIONS

INTRODUCTION

*Thank You for choosing us. The perfect tub
for your remodeling and building needs.*

Before Using

Before using your Hydromassage Bath Tub, please read the IMPORTANT OPERATING, SAFETY, MAINTENANCE, and INSTALLATION INSTRUCTIONS in this manual. To ensure maximum performance and warranty protection, be sure your bath unit is installed according to the installation instructions in this manual.

ALSO NOTE

INSTALLATION OF HYDROMASSAGES MUST CONFORM TO STATE AND LOCAL CODES: BUILDING, PLUMBING, AND ELECTRICAL.

Electrical component manufacturers instructions for bonding and grounding are especially important and must be in compliance.

The variety of installations possible with this Hydromassage tub may require framing procedures other than those described in this manual.

Information contained in this manual is based on the latest product features available at the time of publication. We reserve the right to make changes in product features, packaging or availability without notice. Our hydromassage tubs are UL listed.

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—IMPORTANT SAFETY INSTRUCTIONS—

INSTRUCTIONS PERTAINING TO A RISK OF FIRE ELECTRIC SHOCK, OR INJURY TO PERSONS.

IMPORTANT SAFETY INSTRUCTIONS

WARNING—When using this unit, basic precautions should always be followed, including the following:

1. **READ AND FOLLOW ALL INSTRUCTIONS.**
2. **DANGER:** To reduce the risk of injury, do not permit children to use this unit unless they are closely supervised at all times.
3. The water temperature in the hydromassage bath should not exceed 104 degrees F (40 deg C). Hot hydromassage baths can put certain stresses on the body, as does any hot bath or shower. Therefore, hydromassage bathing may not be suitable for all persons. If you have a heart condition, high blood pressure, diabetes, circulatory problems, or if you are under the care of a physician, consult your physician before using a hydromassage bath. Failure to do so may result in bodily injury or serious health hazards.
4. If you are pregnant you should consult your physician before using the hydromassage bath. The hydromassage action may prove hazardous.
5. Do not consume alcoholic beverages or take medications or drugs prior to or when using the hydromassage bath. Alcohol and drugs affect mental judgement and inhibit bodily functions such as heartbeat and respiration, resulting in potentially dangerous effects.
6. Acrylic and gel surfaces can be slippery when wet. Please exercise caution when entering, leaving, or moving about in the hydromassage bath.
7. Use this unit only for its intended use as described in this manual. Do not use attachments not recommended by the manufacturer.
8. Never drop or insert any object into any opening.
9. Do not operate this unit without the guard over the suction fitting.
10. The unit must be connected only to a supply circuit that is protected by a ground-fault circuit-interrupter (GFCI). Such a GFCI should be provided by the installer and should be tested on a routine basis. To test the GFCI push the test button. The GFCI should interrupt power. Push the test button. Power should be restored. If the GFCI fails to operate in this manner, the GFCI is defective. If the GFCI interrupts power to the bathtub without the test button being pushed, a ground current is flowing, indicating the possibility on an electric shock. Do not use this hydromassage bathtub. Disconnect the hydromassage bathtub and have the problem corrected by a qualified service representative before using.
11. (For permanently connected units) a green-colored terminal (or a wire connector marked “G,” “GR,” “Ground,” or “Grounding.”) is provided within the terminal compartment. To reduce the risk of electric shock the grounding terminal of your electric service or supply panel should be wired with a conductor equivalent in size to the circuit conductors supplying this equipment.
12. **SAVE THESE INSTRUCTIONS**

INSTALLATION INSTRUCTIONS

ATTENTION INSTALLER: PLEASE READ THE FOLLOWING IMPORTANT CONSIDERATIONS! READ ALL INSTRUCTIONS CAREFULLY AND FOLLOW ALL LOCAL PLUMBING AND ELECTRICAL CODES.

1. Before installation, make sure proper access is made to the final connections.
2. Installation must comply with local and national electrical codes.
Electrical connections should be made by a qualified electrician.
3. A properly connected ground fault interrupter must be used.
4. The building materials and wiring should be routed away from the pump body or other heat-producing components of the units.

DO NOT USE THE PIPING OR PUMP FOR STRUCTURAL SUPPORT OR POSITIONING OF HYDROMASSAGES. DO NOT SUPPORT THE WEIGHT OF THE BATH TUB BY THE RIM. MAKE SURE BOTH CONNECTIONS TO THE PUMP ARE SECURELY TIGHTENED. CONSTRUCTION DAMAGE IS NOT COVERED UNDER WARRANTY!

When cleaning up after installation, **DO NOT USE ABRASIVE CLEANERS** as they may scratch and dull the unit surface. Use warm water and one of the liquid detergents to clean the surface. Stubborn stains, paint, or tar can be removed with turpentine or paint thinner, **DO NOT ALLOW CLEANERS CONTAINING PETROLEUM DISTILLATES TO REMAIN IN CONTACT WITH TUB SURFACES FOR LONG PERIODS OF TIME.** Plaster can be removed by scraping with a wood edge. Do not use metal scrapers, wire brushes, or other metal tools.

FRAMING TUB/SHOWER UNITS

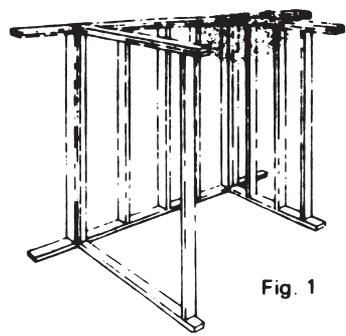


Fig. 1

1. The tub should be on the job site during the early stage of framing. Studs may be temporarily omitted to allow unit to be moved into place (figure1).
2. Rough-in drains should be located according to the line drawings for the particular unit. When measuring the tub to obtain these measurements, be sure to use the top of the unit for the overall depth and width of the unit. Please note that most units have slanted backs and sides, but the front of the unit should always be installed vertically plumb.
3. Prior to installation, check to be sure the framed-in area is proper size, square and plumb.
4. If a one hour fire wall is required, contact the factory for recommended method of installation. A one hour fire wall can normally be obtained by placing 5/8" dry wall on the studs prior to the installation of the unit.

5. A code approved drain outlet should be used. Be sure to use a non-hardening mastic, such as Permagem, between the chrome flange and the finished side of the tub/shower.
6. On the back of the unit, lay out accurately the location of the holes for supply and mixing valves. Shower head may be located either through wall of unit or in wall above. From the back of the unit, drill a pilot hole (1/4" or less) at location markings for fittings (Figure 2). From the face of unit, drill or cut these holes to required size. Use a hole saw bit of the proper size tipping the unit toward the installer and push until the waste pipe is directly under the drain outlet, then tip the shower upright into the framed area.
7. After unit is positioned into framed area, check level of tub/shower and be sure apron is down tight to the floor.
8. Spot secure the flanges, top and bottom, while continuously checking to see that the unit is level and that the side walls are plumb.
9. Using No. 8 screws, fasten the top flanges to each stud and then fasten the side flanges approximately 8" on center or apart.
10. Install plumbing hardware in keeping with good plumbing practice and in compliance to local code requirements.
11. To assure a watertight integrity and give additional rigidity to wall sections, place wooden blocks against the walls of the unit and nail to the studs around valves, shower head, and wall areas that need strengthening. Do not force walls inward.
12. If dry wall finish is to be used, place drywall over fastening flange, nail drywall and tub flange into studs, mud tape and finish. If plaster is used, nail lath over fastening flange and finish plaster to bead (Figure 4)
13. Towel bars and special grab bars may be bolted or screwed into the tub unit, with the use of a wood strip or block on the back side of the unit prior to installation. Care should be taken when installing grab bars so that all applicable codes and requirements are followed.
14. For pump access, a 17" high by 27" wide minimum opening is needed to the integral pump.



Fig. 2

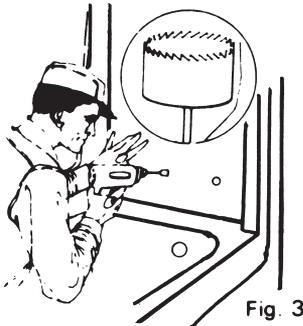


Fig. 3

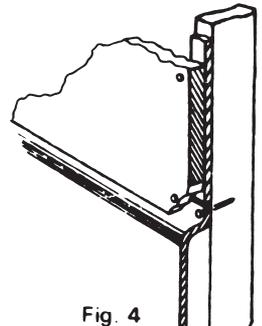
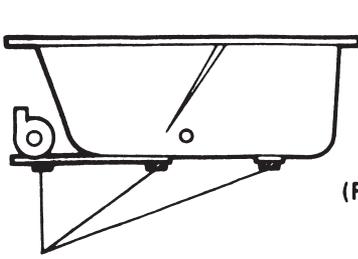
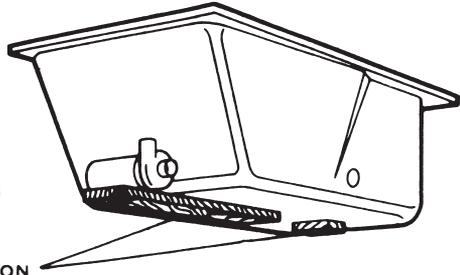


Fig. 4

FRAMING SUNKEN UNITS



(FIGURE 1)



SHIM LOCATION

WOOD SUPPORTS

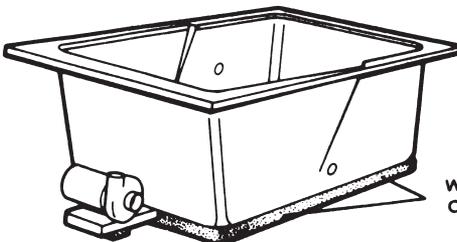
1. Construct a framing pocket which allows for the insertion of your particular model. (Check all dimensions against the unit to be installed.) For pump access. A 17" high by 27" wide minimum opening is needed to the integral pump. Then install the supply and drain piping and connecting fittings for the unit.
2. After the framing pocket is completed, insert the unit to check the fit and to be sure the unit is level and true.
3. With a pencil, trace a mark all around the rim where it contacts the top surface of the framing pocket.
4. Remove the unit from the framing pocket.
5. Apply a bead of adhesive sealant to the top surface of the framing pocket along the inside edge of the mark traced around the edge of the rim.
6. Hang the unit by the rim into the wet adhesive sealant, then support the floor as shown in figure1.

CAUTION: DO NOT SUPPORT BATH TUB ON RIM. PROVIDE SUPPORT UNDER BLOCKS ON UNDERSIDE OF HYDROMASSAGE.

7. Connect the supply and drain connections, then fill the unit half full of water and allow to stand overnight.

These are two methods of supporting the bottom of your the Manufacturer unit:

1. After the unit is installed in the framing pocket, cut shims from framing material and position as indicated above.
2. The unit can be set on a "donut" or ring of wet cement or mortar as shown below. The cement or mortar must be put in place before the unit is installed in the framing pocket then insert the unit while the cement is still soft so that the cement is tight against the bottom for support.



WET CEMENT
OR MORTAR

===== ELECTRICAL CONNECTIONS =====

WARNING – When using electrical products, basic precautions should always be followed, including the following:

A licensed electrician should make all service connections.

1. **DANGER RISK OF ELECTRIC SHOCK.** Connect only to a circuit protected by a ground-fault circuit-interrupter.

CAUTION: All installations must have a Class A Ground-Fault Circuit Interrupter (GFCI) which will provide additional protection against line-to-ground shock hazard. A 120 V, 15 A, 60 Hz separate circuit is required.

2. Grounding is required. The unit should be installed by a qualified service representative and grounded.

CAUTION: Provide a separate equipment grounding conductor for the green Hydromassage ground wire. Ground **MUST NOT** be connected to any current carrying conductor except at the main service breaker box (per National Electrical Code Article 250-61-b). A 120 V, 15 A separate circuit is required.

3. Check to make sure that the actuator tube and bleeder tee from the power panel is attached to the air control.
 4. (For built-in and custom units) Install to permit access for servicing.
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OPERATING INSTRUCTIONS

CAUTION: READ IMPORTANT SAFETY INSTRUCTIONS FIRST.

1. Fill unit with a water level of 2" to 3" (5 to 7.5 cm) above the highest jets (100°F or less recommended).

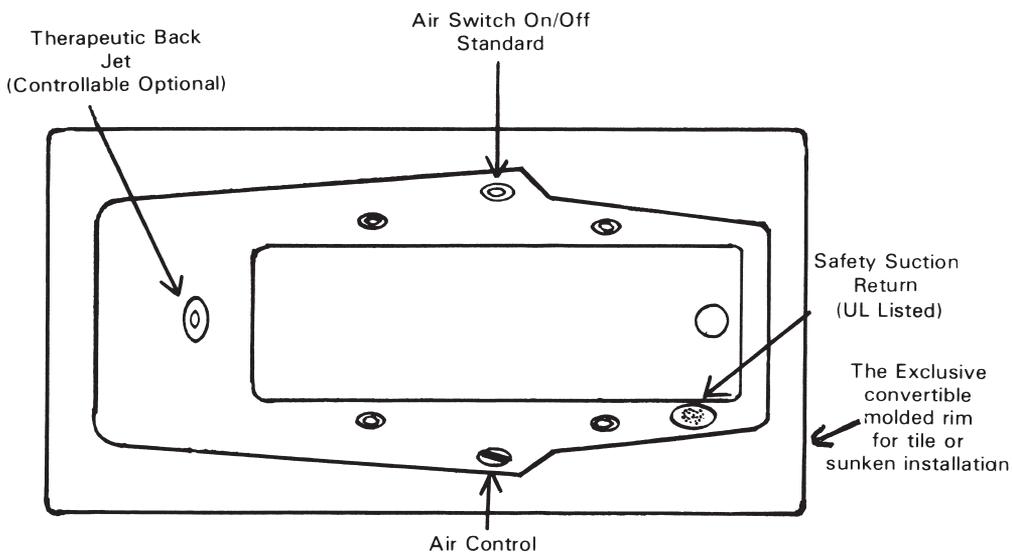
NOTE: Failure to fill water to proper level before operating your unit may damage the pump and void the warranty.

2. To turn unit **ON** or **OFF** simply push on or off air switch located per diagram shown below. A gentle push on or off is all that is necessary.
3. All jets are adjustable by simply turning the jet covers with the palm of the hand counter clockwise to loosen the jet eye. The eye can be moved with the fingers for proper direction then tighten the ring cover to secure the eye.

NOTE: Adjustable back-jet, if provided are adjustable on or off as well as directional. The center section or eye of the jet is simply tightened or loosened to adjust water flow and it can be moved in any direction desired.

4. After jets are adjusted in the desired position, the **air control** (see diagram below) can be adjusted for desired air and water mix from the jets. This is for personal comfort only and can be adjusted as desired.

PICTORIAL EXAMPLE



CARE AND CLEANING

Units are easy to keep clean and sparkling. Simply use warm water and a leading liquid cleaner. Never use abrasives as this will dull the surface of the unit or leave scratches. In cases where abrasives were used however, the finish can be restored by applying fine rubbing compound with a soft cloth, rubbing vigorously and then wiping off residue. Wax the area with prescribed procedures from a leading automotive wax manufacturer. Stubborn stains can be removed with solvents such as turpentine, paint thinner or acetone. In cases where this is necessary use the compounding and wax procedures shown above to finish the area where the solvents were used.

CAUTION: Do not use cleaning agents that have a vegetable base; they can promote bacterial growth. Do not use abrasive cleansers and do not allow solvent-based cleaners or cleaners containing petroleum distillates to remain in contact with bath surfaces for long periods of time as they can damage the unit's finish. Do not allow highly alkaline cleaners to remain in contact with the bath surfaces or damage to the finish may result. Read and follow the cleaner manufacturer's directions.

IMPORTANT! FLUSH YOUR HYDROMASSAGE SYSTEM TWICE A MONTH OR MORE DEPENDING ON USAGE. USE THE FOLLOWING SEQUENCE:

- Set air controls to fully closed position.
- Fill bath with hot water 2" to 3" above the highest jets.
- Add 2 teaspoons of a low foaming dishwasher detergent such as Calgonite or Cascade, and 4 ounces of household bleach such as Clorox, to the water.
- Run hydromassage for 10-15 minutes and then drain bath.
- Fill with cold water 2" to 3" above the highest jets and run unit for another 5-10 minutes. Drain bath, and wipe dry with a soft cloth.

NOTE: Hydromassage action can cause even a small amount of bubble bath, bath soap, shampoo, or body oil to foam excessively. For this reason, refrain from using these products during the hydromassage cycle.

LIMITED WARRANTY

The Manufacturer warrants to the original retail purchaser (herein “Original purchaser”) that the unit (herein “the unit”) to which this warranty is affixed is free from hidden defects in materials and workmanship under normal use and service for (3) years from the date of invoice or as otherwise agreed to in writing by the Manufacturer. The Manufacturer shall not be liable under this warranty if, in this judgement, any person or persons installing the unit have reason to know of any defect therein prior to installation. The Manufacturer’s liability and the original purchaser’s exclusive remedies under this warranty shall be limited to the repair at its factory, or at the Manufacturer’s option, either the refund of the full purchase price or replacement, without charge except transportation and installation, of any part or parts of the unit which in the Manufacturer’s judgement are defective in material or workmanship. Any repaired or replaced part of the unit shall be warranted to the original purchaser only for the unexpired portion of the original warranty. This warranty shall not apply to any unit which has been repaired other than as indicated herein or which has been altered in any way which, in the judgement of the Manufacturer, affects it’s condition or performance, and is void if defect is caused by wind, storm, fire, accident, or similar casualty, or by improper use, installation, maintenance or storage.

Except as required by law, the Manufacturer shall not be liable to the purchaser or anyone else for damages, including but not limited to consequential damages and damages by reason of injury to any person, due to any defect in or malfunction of the unit or any part or parts thereof, or for any other reason.

Some states do not allow exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you.

“To the extent allowable under specific state laws the obligations of the Manufacturer hereunder are expressly granted in lieu of all warranties, whether expressed or implied, including but not limited to implied warranties or merchantability and fitness for a particular purpose, except that implied warranties shall be effective for (3) three years from the date of invoice of this unit after said (3) three years all implied warranties are disclaimed and excluded from this warranty.”

The warranty does **not** cover pumps, timers, doors, steam units or any accessory not manufactured by the Manufacturer. These items are warranted by their respective manufacturers. For information concerning these items contact your supplier of the Manufacturer units or write:

ATTN: Consumer Affairs
1610 J. P. Rodgers Drive • Valdosta, Georgia 31601 • (800) 333-0805.

510 E. Jones Street • Wilson, NC 27893 • 1(800) 775-8827

Some states do not allow limitations on how long an implied warranty lasts, so the above limitation may not apply to you.

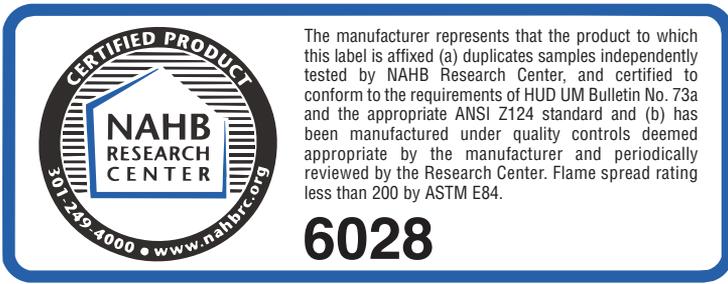
TROUBLESHOOTING GUIDE

WARNING—This guide is meant for a general aid only. All electrical problems should be corrected by a qualified electrician or authorized service representative. For warranty service contact your dealer, wholesale distributor or write:

ATTN: Consumer Affairs
1610 J. P. Rodgers Drive
Valdosta, Georgia 31601
1(800) 333-0805

510 E. Jones Street
Wilson, NC 27893
1(800) 775-8827

SYMPTOMS	PROBABLE CAUSES	RECOMMENDED ACTION
Directional ball does not move freely/too tight.	A. Retainer is tight/loose.	A. Tighten/Loosen Retainer
Motor does not turn on or off.	A. No power to motor. B. Tubing kinked or broken. C. Tubing disconnected from actuator on power panel.	A. Set/Reset GFCI (ELCB) breaker B. Check tubing and replace C. Reconnect tubing.
Motor turns, water is pumping, but there is no air injection.	A. Air aspirator is closed. B. Orifice(s) are missing.	A. Open air aspirator B. Tighten or replace orifices in jet housing.
Motor shuts off automatically.	A. Motor overheated and protection activated. B. GFCI (ELCB) trips	A. Check for blockage at motor vents. Remove blockage and allow motor to cool. Check for suction blockage. Remove blockage and allow motor to cool. Check for jet blockage. Remove blockage and allow motor to cool. B. Refer to installer/dealer.
Motor turns on but no water is pumping.	A. Low water level in bath (below suction inlet). B. Suction air leak. C. Suction blocked. D. Jets blocked.	A. Fill bath to proper level. B. Tighten all clamps and fittings on the suction side of the pump C. Remove hood and hair-screen. Clear blockage. D. Remove blockage.



– INSTALLATION PRECAUTIONS –

A) NEVER ATTEMPT TO RUN THE PUMP/MOTOR WHILE THE WHIRLPOOL BATHTUB APPLIANCE IS DRY.

B) DO NOT LIFT THE WHIRLPOOL BATHTUB APPLIANCE BY THE PLUMBING AT ANY TIME.

C) PIPING SUBJECT TO UNDUE CORROSION/EROSION OR MECHANICAL DAMAGE SHALL BE PROTECTED IN AN APPROVED MANNER.

D) ALL INSTALLATIONS MUST HAVE A CLASS A GROUND-FAULT CIRCUIT-INTERRUPTER (GFCI) WHICH WILL PROVIDE ADDITIONAL PROTECTION AGAINST LINE-TO-GROUND SHOCK HAZARD. A 120 V, 15 A, 60 Hz SEPARATE CIRCUIT IS REQUIRED.

Manufacturing Facilities Located at:

1610 J.P. Rodgers Drive
Valdosta, Georgia
800-333-0808

510 E. Jones Street
Wilson, North Carolina
800-775-8827