

AQUA GLASS®

BUILDER SERIES® INSTALLATION AND OPERATING INSTRUCTIONS includes 54, 56 and 84, 86 Series SOAKING TUBS and WHIRLPOOLS

Revised November 2005

Congratulations on the purchase of your new Aqua Glass bathing fixture. This manual covers the installation, operation, maintenance and servicing of this Aqua Glass soaking tub or whirlpool and should remain with the tub or whirlpool after installation for future reference by the homeowner.

Tools needed to install your new bathing fixture:

- 6D galvanized nails or screws
- 36" level
- Wooden shims for Leveling
- Phillips Screwdriver
- Tape Measure
- Caulk
- Hammer

1.0 BEFORE THE INSTALLATION

1.1 Please allow your new Aqua Glass bathing fixture to remain in the packaging until time for installation.

1.2 Unpack and inspect your new bathing fixture and report any damage to the distributor. Please be sure to read all instructions supplied with your new bathing fixture before beginning installation.

1.3 Make every effort to protect your new bathing fixture before, during and after installation. It is best to store your bathing fixture inside away from excessive heat. **DO NOT LIFT OR SUPPORT THE WHIRLPOOL BY THE PLUMBING SYSTEM (PIPES).**

1.4 Keep in mind, the Builder Series® line of soaking tubs and whirlpools are designed for alcove (inset within a wall) or drop in installation. If your specific model does not have an apron, skirt or other form of access to service the motor, pump, electrical connections or plumbing, alternative access plans should be decided at this time. (See Figure 1) Some Aqua Glass models do feature removable skirts and access panels.

1.5 Before beginning the installation, be sure to decide the drain and water connections as well as where access may be gained. The following suggestions may be helpful:

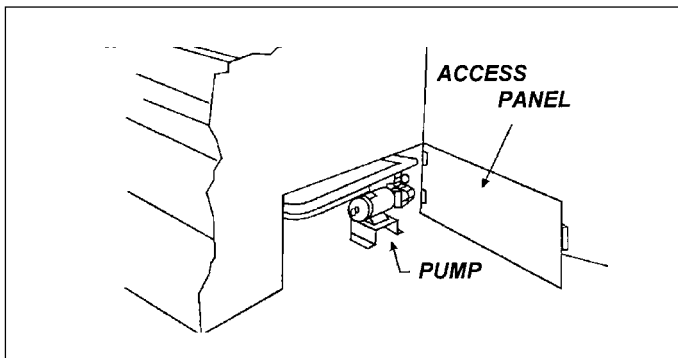


Figure 1— Access panel necessary when optional skirt is not ordered. A 2 feet x 2 feet opening is required.

- In the event the bathing fixture will be against a masonry wall, an access wall should be constructed (6) six inches away from the masonry wall.
- In the event the bathing fixture is backed up to the masonry wall, furring strips should be applied to the masonry wall to anchor the bathing fixture.

2.0 ALCOVE OR DECKMOUNT FRAMING

2.1 Measure your bathing fixture or log on to Aqua Glass.com to find a specification sheet for the model number of your bathing fixture and to get the rough in measurements for your specific application.

2.2 There are two typical types of bathing fixture installations,

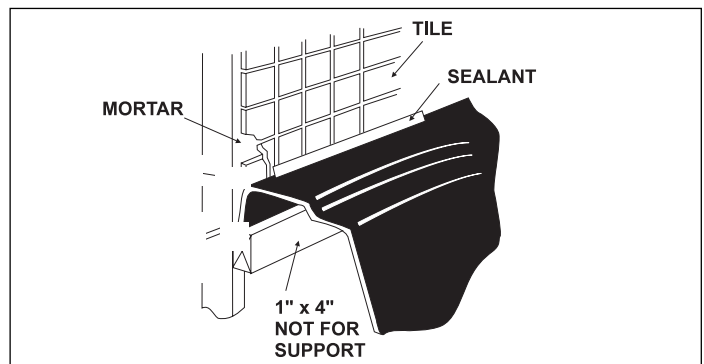


Figure 2—(FLUSH-TO-WALL INSTALLATION)

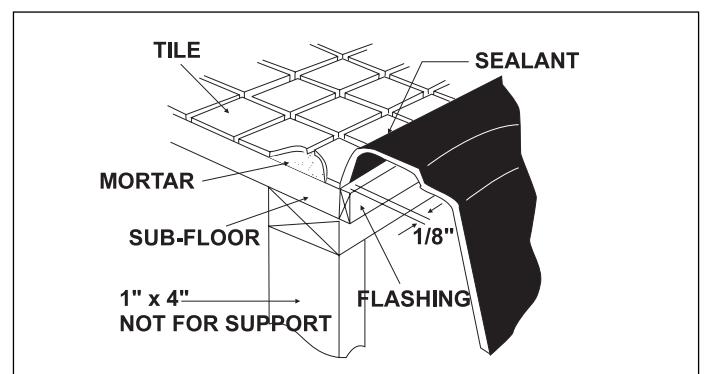


Figure 3—(SEMI-SUNKEN INSTALLATION)

Figure 4

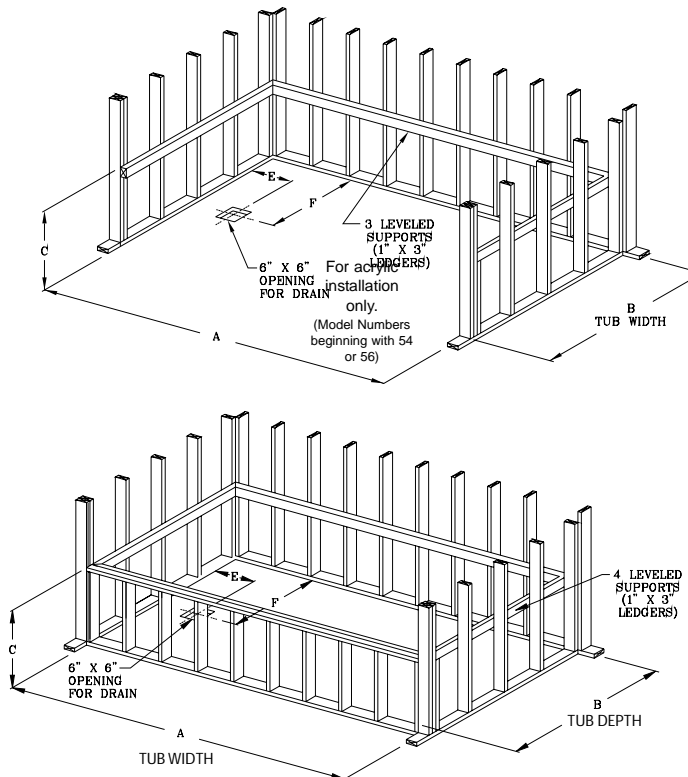


Figure 5

Flush to Wall (See Figure 2) and Semi-sunken (See Figure 3). Choose the one that best meets your needs.

2.3 For bathing fixtures with integral mounting flanges, drill holes approximately 8" apart and secure to framing with 6D galvanized nails or screws.

2.4 Be sure to provide a 6" x 6" square opening in the floor for all bathing fixtures to permit clearance for the 2" pipe supply and drain. (See Figures 4,5,6 and 6A)

2.5 For bathing fixtures with an optional integral skirt, use the specification sheet of your bathing fixture to construct a frame. Take care to ensure frame is level and square.

2.6 For deckmount bathing fixtures, use the specification sheet of your bathing fixture to construct the frame. Take care to ensure frame is level and square.

2.7 For corner bathing fixtures, use the specification sheet of your bathing fixture to construct the frame.

2.8 Run necessary electrical requirements following all local, state and national electrical codes.

2.9 If using deckmount materials such as tile, marble, etc. . . they should be placed on the frame for verification of the bathing fixture opening. Take care to ensure deckmount materials are level and square. Secure decking to the frame.

2.10 Place the bathing fixture into the opening in the decking material. Again, take care to make sure opening accommodates the bathing fixture.

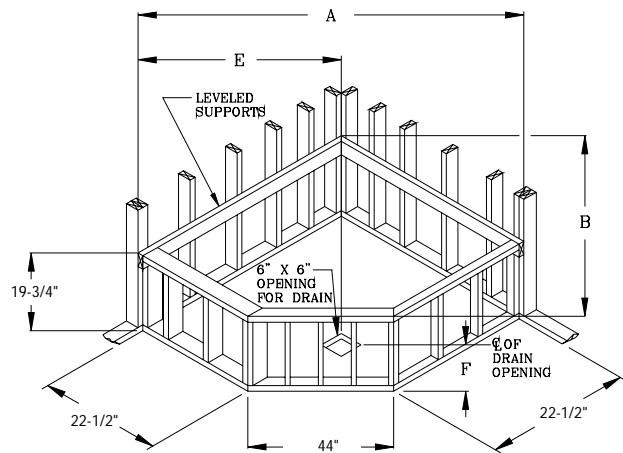


Figure 6 Corner Unit 565454B and 545454B

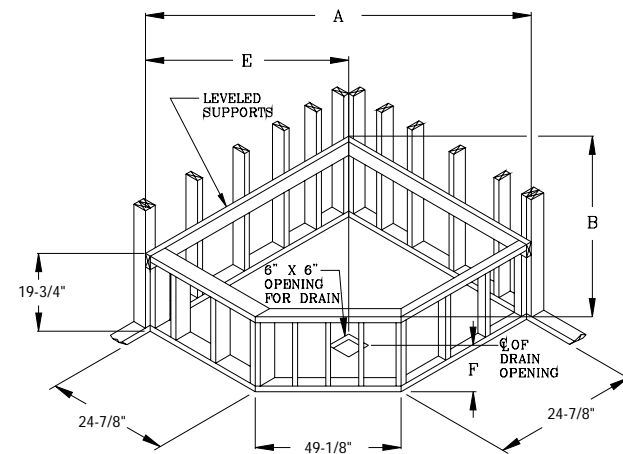


Figure 6A Corner Unit 566060B and 546060B

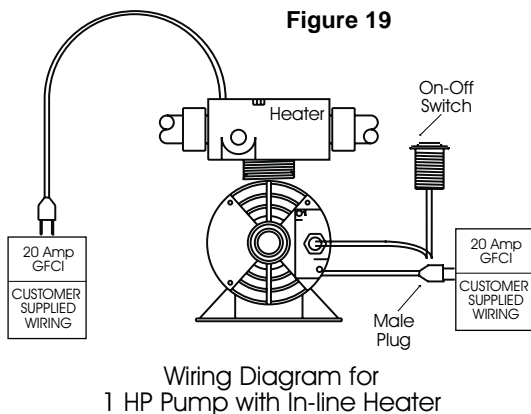
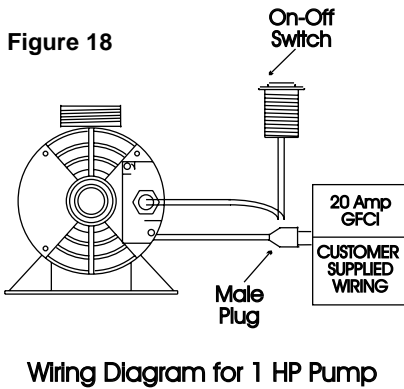
2.11 Use a 36" carpenter's level to level the bathing fixture for proper drainage. **Use shims to insure bathing fixture is level and resting securely on the floor.** Frame should be adequate enough to support the weight of the bathing fixture filled with water and a bather. **The flanges or lip of the bathing fixture is not designed to support the weight of the bathing fixture.**

2.12 Attach the water supply and drain lines. Caulk the water connections as required.

2.13 Take care to ensure that all pump unions are tightened before the water testing process to alleviate a possible leak.

2.14 Connect bathing fixture by referencing the electrical drawings shown in (See Figures 18 and 19)

2.15 Take care to remove any debris from bathing fixture. Fill and run the whirlpool pump (if applicable) for 10 minutes; check piping for leaks. Every Aqua Glass bathing fixtures is factory tested for leaks, but in the event a leak is found during this testing, it must be corrected immediately by a qualified technical repairman. Aqua Glass is not responsible for any defect that could have been discovered, repaired, or avoided



by following this inspection and testing procedure.

2.16 If optional skirt or apron is provided, install apron and apron frame before installing drywall.

2.17 Take care to install drywall and close off plumbing access. Before completing the drywall installation, provide a plumbing access area; (See Figure 1) thus, making sure the water pump is easily accessible in case of service needs.

3.0 APRON OR SKIRT INSTALLATION

3.1 Each and every Builder Series® apron or skirt is carefully inspected and packed for shipment. Be sure to check apron for any problems. If any are found, contact your dealer immediately before installing the apron or skirt.

Important Note: To ensure a proper fit of apron or skirt, it is sometimes necessary to trim or shim the leveling boards on the bathing fixture.

3.2 Before installation of apron or skirt, be sure the hardwood blocks underneath the bathing fixture are properly attached. (See Figure 9)

3.3 Take care to check and

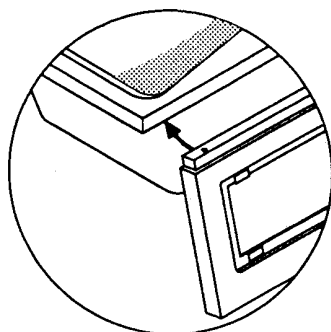
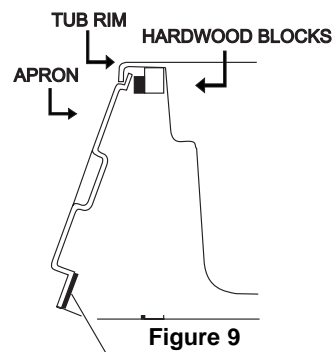


Figure 8

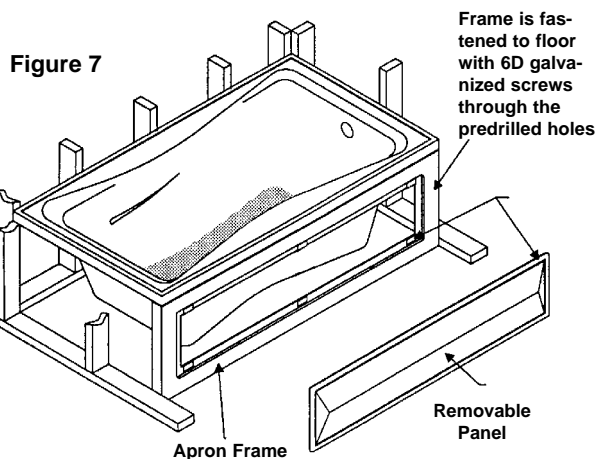
see that there are no obstructions between the hardwood blocks and the lip or rim of the bathing fixture. (See Figure 9)

3.4 It may be necessary to use a knife to clear out any excess fiberglass that might prevent the apron or skirt from fitting properly underneath the rim of the bathing fixture. Take care not to cut yourself or knock the hardwood blocks from underneath the bathing fixture rim. (See Figure 9)



3.5 Kneeling in front of the bathing fixture, position the apron or skirt just underneath the rim or lip of the bathing fixture in front of the hardwood blocks. (See Figure 8) **Note:** The top of the apron or skirt has recessed corners.

3.6 Use the 36" level to ensure the frame is vertical then, using the 6D galvanized nails or screws through the pre-drilled holes, fasten the frame to the floor.



3.7 Position the removable panel and attach the panel to the apron frame by the metal straps or screws on the panel.

4.0 CORNER APRON / SKIRT INSTALLATION

4.1 For corner apron or skirt installation, begin by positioning the front of apron or skirt under tub rim or lip. Take care to level and make sure it fits properly. Secure the apron to the floor with 6D galvanized screws or nails.

4.2 The side apron frames may be installed once the front portion of the apron or skirt has been securely installed.

4.3 The side apron or skirt frames will fit slightly behind the front apron or skirt. Place the edge of the side aprons behind the front apron.

4.4 Once the side aprons are in place, take care to level and make sure they fit properly. Secure the apron to the floor with 6D galvanized screws or nails.

4.5 Once all three pieces are installed and secured to the floor, the removable panels for the two sides of the apron

5.0 CARE AND CLEANING

Important Note: Please do not use abrasive cleaners on your new bathing fixture because it may scratch and dull the surface finish.

5.1 To clean the **surface** of the bathing fixture, use a non-abrasive cleaner such as Aqua Scrub® and warm water. To prevent build up on your new bathing fixture, clean at least once per week. For more stubborn stains, use Aqua Shine® which is a cleaner/wax. Aqua Glass cleaning products have been specially formulated for maximum cleaning and enhancement of your new Aqua Glass bathing fixture and may be purchased from your local Aqua Glass distributor. For further cleaning inquiries, **contact the Aqua Glass Technical Service Department at 800-435-7875.**

5.2 To clean the **trim**, which includes the jets, controls, drain and overflow, of your new Aqua Glass bathing fixture, we suggest you use a cloth and warm, soapy water. After cleaning, polish with dry cloth.

5.3 Individual pieces of the **trim** may be removed and cleaned more thoroughly as follows and should be cleaned on an annual basis:

- The Suction Return Strainer Cover may be removed by using a Phillips screwdriver to remove the screws. **Take care to make sure the suction return strainer is never blocked while whirlpool is operating. (See Figure 16)**

- The Jet Trim Escutcheon Cover may be removed by grasping it and pulling it toward you. **(See Figure 17)**

5.4 In the event of infrequent use, internal piping system of your bathing fixture should be purged with water at least once per week.

5.5 To prevent residue build up within the piping, the internal piping system requires a more thorough cleansing at least once per month by doing the following:

1. **Fill bathing fixture with hot water only. (not to exceed 140° Fahrenheit)**
2. **Add two to three tablespoons of a low foaming dishwashing detergent such as Cascade® or baking soda to the hot water.**
3. **Run the whirlpool 10 minutes.**
4. **Drain completely.**
5. **Refill with cold water then run for 10 minutes to rinse**

piping.

5.6 Use of a rubber bath mat, especially one with suction cups, is not recommended, but if you elect to do so, be sure to remove the mat after each bath or shower and allow both the mat and the surface of the bathing fixture to dry before re-use. A mat of this type may cause mold and mildew to grow underneath it causing surface blisters in the finish of your bathing fixture. Use of a rubber mat will void warranty.

OPERATING INSTRUCTIONS

6.0 OPERATING YOUR BATHING FIXTURE

6.1 Congratulations! You're ready to begin operating your new bathing fixture.

6.2 Before the bathing fixture is used the first time, take care to remove any debris, then follow the care and cleaning steps in section 5.0.

6.3 Next you should test the ground fault circuit interrupter (GFCI) by pushing it to make sure it interrupts electrical power to the bathing fixture. Push the reset button to make sure electrical power is restored to the bathing fixture.

Important Note: In the event the GFCI fails to operate properly, ground current could be flowing thus creating a risk of electric shock. DO NOT USE THE BATHING FIXTURE. Unplug the bathing fixture and contact the Aqua Glass Technical Service Department at 800-435-7875.

6.4 Once the GFCI is operational, fill the bathing fixture to at least one inch above the top of the highest jet escutcheon. Take care to use your hand to manually swivel the jet nozzles so they are angled down before your turn on the pump by using the e-switch control **(See Figure 14)**. Additionally, you may swivel the nozzles as you desire during bathing. Take care not to allow the water level to drop below the jet nozzle or splashing may occur. **(See Figure 14A)**

6.5 Before draining your bathing fixture, be sure to turn off the pump.

Suction Return Strainer

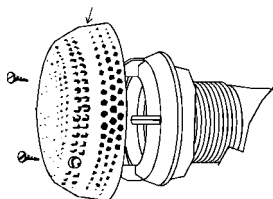


Figure 16

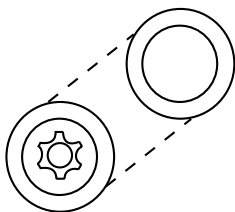


Figure 17



Figure 14

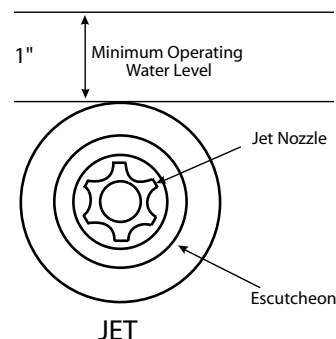


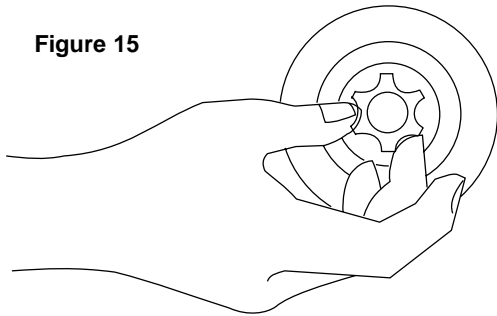
Figure 14A

7.0 TROUBLESHOOTING and MAINTENANCE

7.1 Possible Problems:

1. **Weak or no jet flow**—Begin by turning the nozzle on the jet. If still no change, examine the internal passages of the jet for blockage. Remove any debris using a toothbrush or toothpick. Flush the jet by running the pump for 20 seconds. Never use metal tools as they can damage the jet and trim.

Figure 15



Also be sure that suction return strainer is not blocked within the bathing well of the tub. (See Figure 15)

2. **Adjusting jet flow**—Each jet is controlled individually by simply rotating the jet nozzle to the desired therapeutic action of the water pressure. Moving the jet from side-to-side will direct the desired water movement location.

3. **No aeration or intermittent aeration**—Begin by making sure the jet nozzle is turned to the open position. If aeration is less than on other jets, check the jet for blockage. Remove any debris using a toothbrush or toothpick. If still no aeration, remove the jet by turning and unscrewing in a counterclockwise position. Again, check the jet for possible blockage.

4. **Noisy pump**—Check to make sure the suction return strainer is not blocked. Remove the cover by using a Phillips screwdriver. Use a toothbrush or toothpick to clean if blocked. If noise still persists or you suspect a malfunction, **contact the Aqua Glass Technical Service Department at 800-435-7875.**

5. **Pump Connections**—With the bathing fixture filled with water, start the pump. Check the pump connections and piping for leaks. Tighten if necessary. Before replacing access panel, apron or skirt, be sure pump mounting screws are securely tightened.

Important Note: Do not attempt to service your bathing fixture in any manner other than listed in this publication. If additional service is required and to retain your warranty, contact the Aqua Glass Technical Service Department at 800-435-7875. Be prepared to supply them with your complete name, address, telephone number, model number, serial number, and color of the bathing fixture with the date of purchase and the nature of the defect.

8.0 LIMITED WARRANTY

What Does This Warranty Cover?

Aqua Glass warrants to the original consumer purchaser that this shower, soaking tub, tub shower, whirlpool or steam bathing fixture will be free from defects in materials and workmanship for the time period listed below.

What is the Period of Coverage?

Five (5) years from the date of purchase except Contractor and Builder gelcoat bathing fixture lines (model numbers beginning with a 3, 9 or 84) or any product used in a non-residential or commercial application have a three (3) year warranty.

What Does This Warranty Not Cover?

This warranty does not cover damage or defects relating to misuse, abuse, negligence, normal wear and tear, accident, acts of God, repairs or alterations not authorized in writing by Aqua Glass, or improper installation, storage or handling.

How Do You Get Service?

To make a warranty claim, you must contact either Aqua Glass or an authorized Aqua Glass Sales Representative by email, fax or telephone within 30 days of discovering an issue.

Aqua Glass Corporation

Warranty Claims

320 Industrial Park Road

Adamsville, Tennessee 38310

Phone: 1-731-632-2501

Fax: 1-731-632-4232

Email: techservice@aquaglass.com

Contact Hours are:

Monday thru Friday, 6 a.m. - 7 p.m. Central Std. Time

The following information is required to file a warranty claim: 1) proof of purchase, 2) your name, address and telephone number, 3) model number and color of product, 4) brief description of problem, 5) serial number from the product found in one of the following locations: on the product identifier tag on the rough unfinished side of the fixture, etched into the material on the lower right front of the fixture, under the Aqua Glass logo sticker on the lower right front of the fixture, or on the whirlpool motor (if applicable).

If your issue is in regard to the functionality of your steam generator or steam control, please call Thermasol at 1-800-585-7832.

What Will We Do to Correct Problems?

To process your claim, you must allow Aqua Glass or its authorized representative to inspect the product. Aqua Glass, at its option, may elect to repair or replace the product. The replacement of a product is limited to supplying a replacement product or part (same as existing or if not available, comparable product) and does not include the cost of removal or installation where permitted by law.

How Does State Law Relate to This Warranty?

IMPLIED WARRANTIES, INCLUDING THOSE OF MERCHANTABILITY AND FITNESS FOR PARTICULAR PURPOSE, ARE LIMITED TO THE DURATION OF THIS WARRANTY. Some states do not allow limitations on how long an

implied warranty lasts, so the above limitation may not apply to you. TO THE EXTENT PERMITTED BY LAW, THIS WARRANTY DOES NOT COVER SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES (SUCH AS LABOR EXPENSES) WHETHER ARISING OUT OF BREACH OF WARRANTY, BREACH OF CONTRACT, TORT, OR OTHERWISE. Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation of exclusion may not apply to you. This warranty gives you specific legal rights, and you also may have other rights which

vary from state to state. This warranty is not transferable.

Do I need to inspect the unit when it is shipped to me from Aqua Glass?

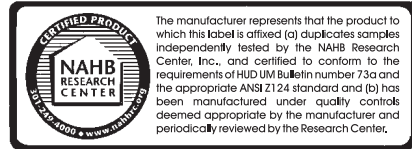
Yes. Unless shipped via Aqua Glass trucks, all goods are shipped f.o.b. Aqua Glass' factory at buyer's risk. This means that shipment damage is not covered by the warranty. It is your responsibility to inspect the product upon delivery and pursue claims against the carrier for concealed damage or shipping damage on all deliveries you accept.



Tubs



Whirlpools



AQUA GLASS®

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