

# Freestanding Owner's and Operator's Manual

**INSTALLER: To be removed for use by the occupant**

# Limited Warranty

Our bathtubs are covered by a limited warranty to the first consumer purchaser for a period of 5 years as to the tub and 12 months as to the electronics and accessories, from date of original purchase against defect in manufacture, provided its use is limited to personal, family, or house hold purposes, it is installed and maintained according to our recommended installation and maintenance procedures, and the defects are not caused by unauthorized and unreasonable use. This warranty does not cover defects, damage, or failure caused by the freight carrier, installer, user or other person, or resulting from, without limitation, any of the following: improper handling, modification of any type, improper installation, misuse, incorrect operation or lack of proper routine maintenance (including abrasive or improper cleaners.)

This warranty does not extend to subsequent owners, transferee's or users. It is limited to repair or replacement of the defect without charge at the factory. It does not cover the expense of shipment to or from the factory, except where provided by applicable law.

Upon discovery of a defect or malfunction, notify Manufacturer in writing within 10 days of discovery, setting forth a description of the malfunction or defect, the name and address of installer, and date and address of installation.

To obtain information about or performance of warranty obligation, please contact the Manufacturer. We assume no liability for incidental or consequential damages.

# Safety Rules

*Read all instructions thoroughly before operating your whirlpool system.*

**WARNING: Acrylic bathtubs and whirlpool systems use suction, air pressure, electricity, water, and are naturally slippery. Follow all safety precautions when operating your bathtub and system:**

1. Remove packaging and plastic cover. Carefully inspect the entire surface for any damage that may have occurred during shipping.
2. Verify that your order is correct. (color, trim, finish, model, and size)
3. Electrical systems and pump must be tested prior to installation.
4. Beware of slipping when walking on, entering, or exiting the bathtub.
5. DANGER: Not for use by children and persons with a disability without constant supervision.
6. Do not use with other accessories or in a manner not intended by the manufacturer. Only use as described in the owners manual.
7. Not for outdoor use.
8. Do not drop or place items into the whirlpool openings.
9. The electrical supply circuit for the system must be protected by a GFCI (ground fault circuit interrupter) and tested regularly.
10. Maintain a safe distance between the bathtub and radios, hairdryers, and other appliances.
11. A green color terminal is provided in the terminal compartment (for permanently connected units). The wire may also be marked "Ground," "GR," or some other indication that it is the ground wire. Connect this terminal to the grounding terminal in the electrical service or supply panel with a conduct or equivalent in size to the circuit conductors supplying this equipment. This will reduce the risk of electrical shock.
12. CAUTION: Comply with all instructions, requirements, and warnings contained in this manual to avoid serious hazards to the bathtub user. Failure to do so may result in serious personal injury.

**WARNING: 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." 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 the spa or hot tub, (3) unawareness of impending hazard, (4) fetal damage to 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.**

# Installation

Inspect the unit for freight damage IMMEDIATELY when the bathtub is received. Any claims for damage must be made to the carrier at delivery in order for them to accept any costs. The bathtub will arrive completely assembled and ready for installation.

Do not install the bathtub if inspection reveals any defect in the finish. The warranty does not cover damage or defect claimed after the bath is installed or labor or material to remove or re-install the bathtub.

## **PRE-INSTALLATION:**

1. Confirm that there is no shipping damage at time of delivery.
2. Verify that your bathtub order arrived correct (model and color).
3. All Federal, State, and Local building codes and regulations must be followed.
4. Read the “warning and caution” labels on the bathtub.
5. Protect the interior of the bathtub during installation.
6. Using a level and other appropriate tools, verify that the sub floor is level.

## **DURING INSTALLATION:**

1. Always support the bathtub from the floor and never let it hang from the rim.
2. Allow for sufficient area around the pump to allow for air movement.
3. The pump access panel must be 16”high by 20” wide to allow for pump access in the event that service or maintenance is needed.
4. Bathtubs with seats will need additional support below the seat areas.
5. Wiring and other building materials should be routed away from the pump and other heat sources.

## **ELECTRICAL REQUIREMENTS:**

A 20 amp dedicated circuit breaker connected to a GFCI is recommended for every power cord supplied on the whirlpool system. The electric system should be tested on a routine basis.

1. Plug supply cord(s) into 110 Volt electrical outlet. This circuit must protected by a GFCI.
2. Test the GFCI:
  - a. Push TEST button
  - b. Verify that power has been interrupted
  - c. Push RESET button
  - d. Verify that power has been restored

Contact a qualified service representative before using if the GFCI does not operate properly during a test. This indicates that a ground current is flowing and could result in an electric shock. **DO NOT USE THE UNIT AT THIS POINT.** Disconnect the unit until the problem is corrected.

# Bathtub Installation

Keep the bathtub protected during installation. Choose the installation that applied to your bathtub:

## **Installation with support feet for both adjustable and non-adjustable:**

- A. Some shimming of the bathtub will be needed if the sub floor is not level.
- B. To level the tub with the adjustable feet simply turn the nut of foot.
- C. To any type of foot, apply a generous amount of construction adhesive to the bottom of the foot.
- D. Set the bathtub into its location.
- E. Verify that the bathtub is level (See Figure1)

## **Final Installation:**

- A. Using a 4 foot level, verify that the top of the bathtub is level in both directions.
- B. Finish the tile or surface to the tub deck.
- C. Seal the edges (See Figures 4, 5, or 6)

## **Clean-Up**

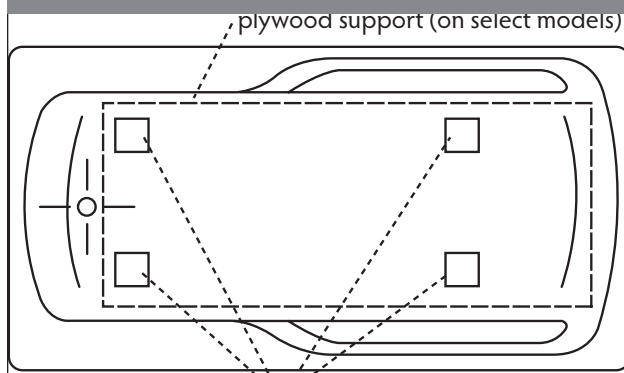
Do not use abrasive cleaners. They will scratch and dull the surface of the acrylic and metallic surfaces. Use warm water and a non-abrasive liquid detergent. Turpentine or paint thinner can be used to remove stubborn stains, paint, or tar. Remove cleaners containing petroleum distillates quickly. Do not use wire brushes or other metal tools such as metal scrappers. Plaster can be removed by carefully scraping with a wood edge. A powder-type detergents may be used on a damp cloth if mild abrasive action is necessary to remove residual plaster.

## **Technical Aid**

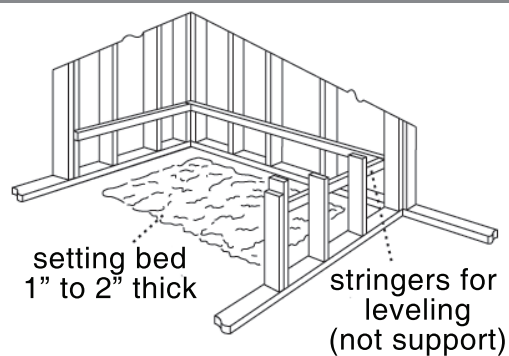
Before contacting the technical department for support or field service, you must have the Model Number, Size, Color, Identification Number and Date of Manufacture.

This information can be found on the product identification tag located near the pump or overflow. The manufacturer will require this information in order to provide technical assistance and field service.

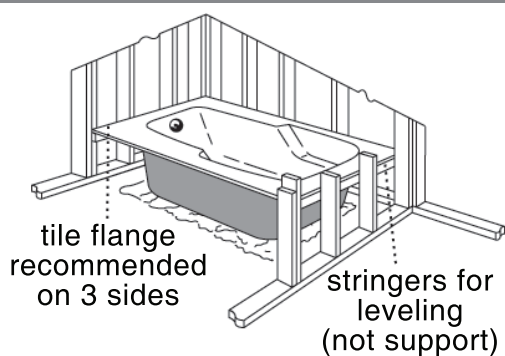
## Figure 1



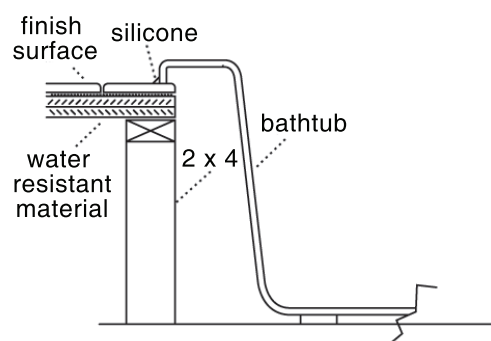
## Figure 2



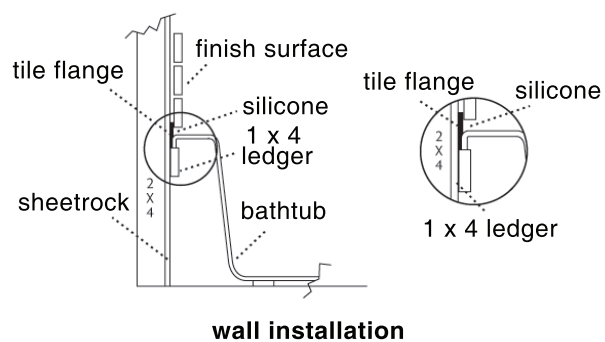
## Figure 3



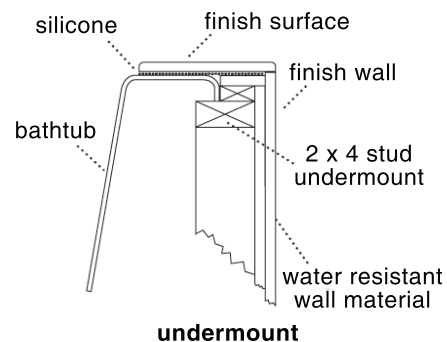
## Figure 4



## Figure 5



## Figure 6



# Testing System Operation

**TO CHECK PROPER FUNCTION OF YOUR NEWLY INSTALLED Whirlpool / Airbath™, TAKE THE FOLLOWING STEPS:**

1. Remove all debris and residue before filling the tub with water.
2. Fill the tub with water until the highest whirlpool jet is covered by at least 2" of water (do not run pump without water in the tub).
3. Examine tub and system carefully for leaks.
4. Position eyeballs downward (Whirlpool only).
5. Turn on system and allow tub to run approximately 2-3 minutes (Whirlpool only).
6. Allow water to sit for 10 minutes and check for leaks.
7. Repeat Step 5 three times to assure pump is priming properly.
8. Open drain and empty tub.
9. Wipe up excess water with a soft, damp sponge.

When cleaning up after installation do not use abrasive cleaners, steel wool, scouring pads or harsh chemicals. For cleaning procedures refer to the "Care and Maintenance" section.

## Care and Maintenance

Soap residues and mineral deposits are the enemies of your bathtub, particularly in areas where there is hard water. However, cleaning your bathtub at regular intervals and using proper cleaning agents, you can help your bathtub retain its original sparkling look. **DO NOT USE** abrasive cleaners, as these products will damage the bathtub surface and metallic finishes. A non-abrasive cleaner is recommended.

Your bathtub does not require the use of special cleaning agents or chemicals.

- Normal cleaning is simple and easy. Just use warm water, a soft sponge and mild liquid detergent or non-abrasive cleaner to wipe the surfaces clean, then rinse thoroughly.
- To preserve the surface finish, annual waxing is recommended. Use a high-grade paste-type automotive wax.
- Manufacturer recommends the use of JetFresh® to maintain your whirlpool or Airbath system.

# Installation

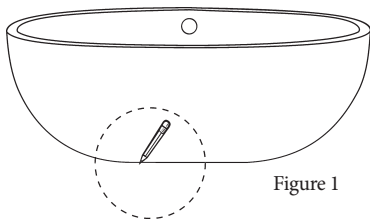


Figure 1

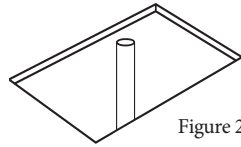


Figure 2

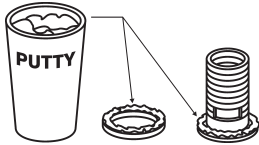


Figure 3

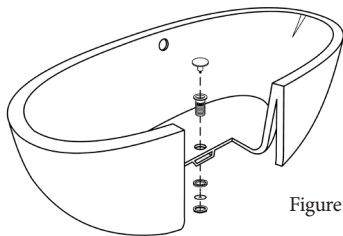


Figure 4

## Drain / Pop up Assembly

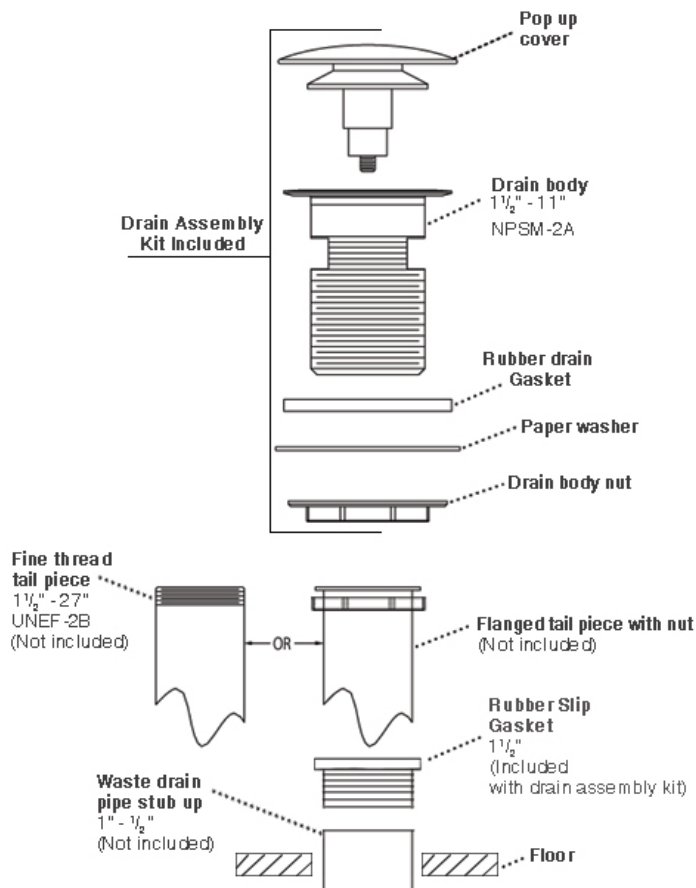


Figure 5  
(Integral Drain Unit Hardware Shown)

## PREPARATION

1. Clean, level, and prepare the floor for installation.
2. Place the unit in the exact installed position on the floor and trace the outline of the bath with a pencil or any erasable marking (Figure 1).
3. Determine the location of the drain pipe, and air line (on units with Airbath Systems) on the floor by taking measurements of the drain and waste location underneath the unit (Figure 2).

*Note: Drain and waste locations will vary by model.*

4. Using a blanket, cardboard, or other clean protective surface, turn the unit on its side so that the unit is properly supported during drain installation.
5. Clean the drain hole area in preparation of setting the drain. The area should be dry and free of any debris.

## INSTALL DRAIN & TAIL PIECE HARDWARE

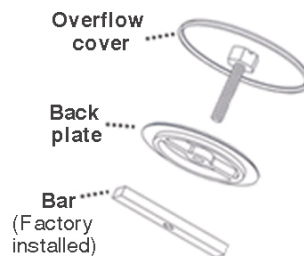
All parts involved in tail piece installation are provided by the installer.

Determine if the tub has a factory installed integral drain or if a field installed drain is requested. Tubs with factory installed integral drains continue with instructions. Tubs with field installed drains go to step 10.

### Tubs with factory installed integral drains (steps 6-12):

6. Apply a bead of clear silicone or plumbers putty around the Drain Body and pass it through the drain hole (Figure 3).
7. Apply plumbers putty to the Washer and slide it over the bottom of the Drain Body (Figure 3).
8. Slide the paper washer over the drain body.
9. Attach the Drain Body Nut on the Drain Body and tighten until the Nut and Washer have created a seal with the bottom of the bathtub. DO NOT OVER TIGHTEN (Figure 4).
10. Insert 1 1/2" rubber slip gasket into the drain waste vent.
11. Cut tail piece to desired length (will vary for each installation).
12. Connect tail piece assembly to drain body (Figure 5).

## Overflow Assembly





# Installation

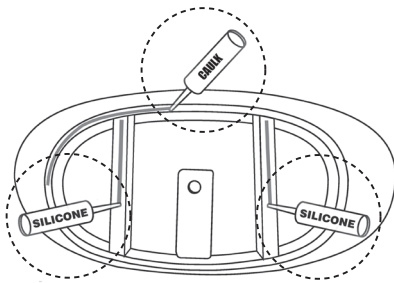


Figure 6

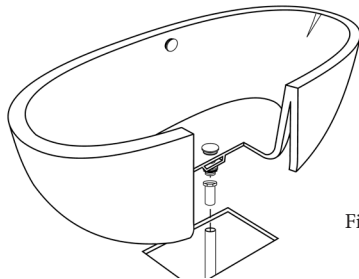


Figure 7

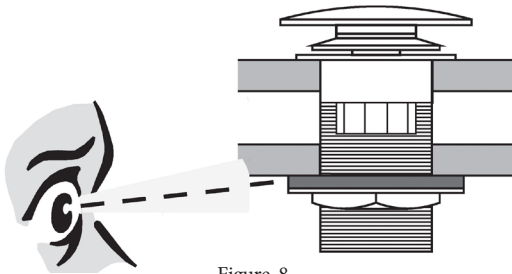


Figure 8

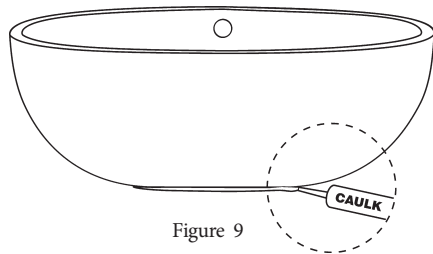


Figure 9

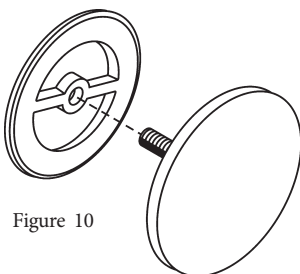


Figure 10

## INSTALL BATHTUB

**NOTE:** Remote blower and pump Installations continue on pages 6 and 7 then return to step 13.

13. Apply a generous bead of adhesive or silicone to the bottom of the tub supports (Figure 6).
14. Then apply a bead of tub and tile caulk around the edge of the base (Figure 6).
15. **Carefully** set tub into position (Figure 7) and connect the drain hardware (previously installed).

## COMPLETE BATHTUB INSTALLATION

16. Fill the tub with water to the overflow and then drain the tub while inspecting the waste connections below the floor for leaks. Access from below may be necessary for this step.
17. With the bathtub now in place, wipe off any excess tub and tile caulk and adhesive where the tub meets the floor.
18. Run a bead of tub and tile caulk around the bottom edge of the bathtub where it meets the floor. Wipe off any excess caulk with a wet cloth (Figure 9).

## INSTALL OVERFLOW HARDWARE

19. Place the Back Plate over the screw of the overflow cover .
20. Then, align the Overflow Cover with the Bar (installed at the factory) in the overflow hole.
21. Carefully hand tighten the Overflow Cover until it stops. **DO NOT OVER TIGHTEN**

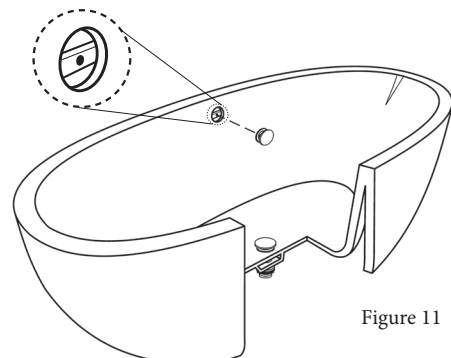
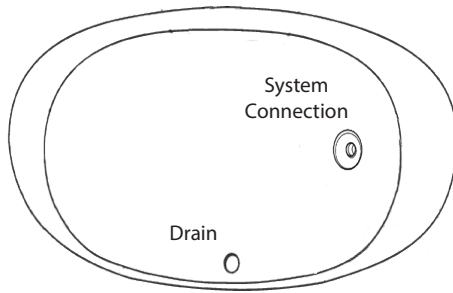


Figure 11

# Remote Equipment Installation

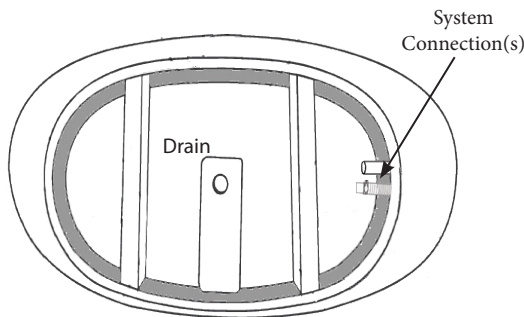
(if applicable)



Enclosed Bottom

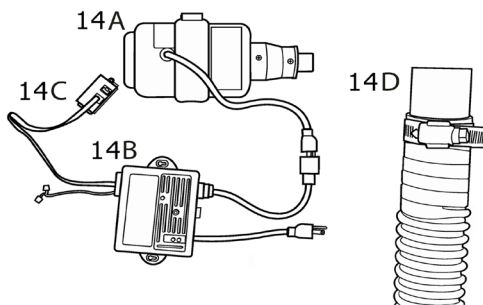
Figure 12

Note: System connection and drain locations will vary.



Open Bottom

Figure 13



Configuration shows a blower with sensor box connection and grey flex hose.

Figure 14

## PREPARATION

1. Carefully place tub on side. Use a soft blanket or towel to protect side of bathtub.
2. Determine location for pump and/or blower and verify that access to bathtub connections and remote location will be possible after bathtub is installed.
  - Location must be within 2 feet of the unit for the pump and within 6 feet for the blower.
  - System connections vary according to system type, model, and custom configurations. Verify connection location on bottom of unit before proceeding.
  - **NOTE: Pumps must be level with suction line.**
3. Install bathtub and drain according to manufacturer instructions.
4. Determine if bathtub is enclosed or open bottom (Figures 12 and 13) and connect equipment according to the appropriate configuration.

## PARTS

Parts that ship separate are listed below (Figure 14).

- A) Blower (14A) and/or Pump
- B) Electronic control box (14B)
  - Dual systems (whirlpool and Airbath) will have a total of two control boxes - one for each system.
- C) Sensor box (14C) for remote controls systems or a Control Pad
- D) Blower: Grey flex hose with metal clamp (14D) and tube connection  
Pump: PVC pipe (2 ft. extension) and 2 union piece

# Remote Equipment Installation

(if applicable)

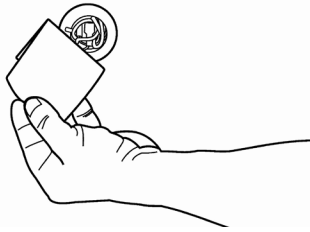


Figure 15

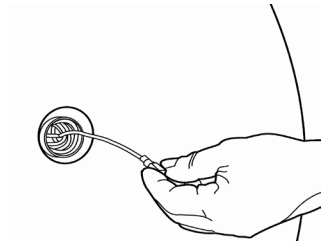


Figure 16

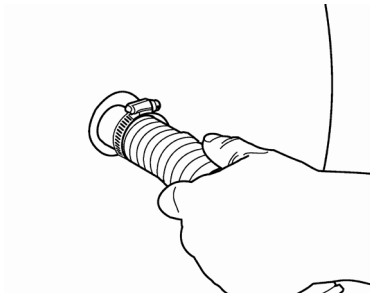


Figure 17

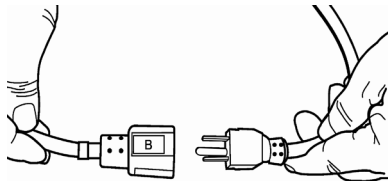


Figure 18

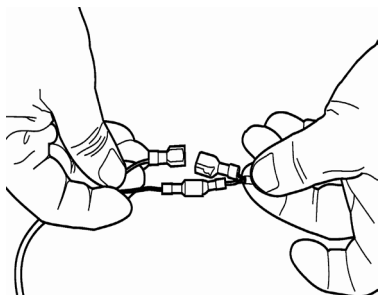


Figure 19

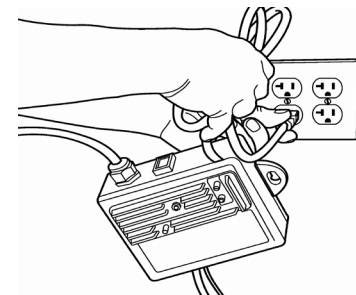


Figure 20

## EQUIPMENT CONNECTION FOR

### ENCLOSED BOTTOM UNITS (Figure 12)

1. Carefully remove the tape covering the Blower Outlet (Figure 15).
2. Pull out the grey sensor wire from Blower Outlet (Figure 16).

**IMPORTANT: This wire is to connect to the electronic control box for the Airbath sensors. You will connect them at stage 8.**

2. Insert grey flex hose with tube connection into Blower Outlet. It should slide in easily. (Figure 17).
3. Tighten metal clamp to secure hose.
4. Connect the other end of the grey flex hose to the blower and tighten the other metal clamp to secure hose.
4. Connect electronic control box plug and blower plug together (Figure 18).

• *Note: The two plugs are color coordinated to assist in plugs identification and matching.*

5. Connect sensor wires together. These are the 4 plastic red connectors. They should line up and snap together (Figure 19).
6. Plug the electronic control box plug into GFCI outlet on the wall (Figure 20).
7. Test to the system for proper operation before completing installation.
8. Complete bathtub installation (page 5, step 17).

## EQUIPMENT CONNECTION FOR

### OPEN BOTTOM UNITS (Figure 13)

1. Connect pump to whirlpool system with PVC piping (2 feet of PVC piping provided by manufacturer; sealants and additional installation materials provided by installer).

Connect blower to Airbath system with grey flex hose tubes by connecting the tubes with the small PVC sections (provided by manufacturer) and tighten metal clamp around each end of grey flex house to secure hold to PVC section.

• *NOTE: Do not overtighten metal clamps on grey flex hose.*

3. Connect electronic control box plug(s) and the appropriate pump and/or blower plug together (Figure 18).

• *Note: The plugs are color coordinated to assist in plugs identification and matching.*

8. Connect sensor wires together. These are the 4 plastic red connectors. They should line up and snap together (Figure 19).

• *Note: Combination systems will have 8 connectors (4 for each system)*

9. Plug the electronic control box plug(s) into GFCI outlet on the wall (Figure 20).
10. Test to the system(s) for proper operation before completing installation.
11. Complete bathtub installation (page 5, step 17).

## Additional Requirements for Units Installed in Canada

- Connect Only To Circuit Protected By Class A Ground Fault Circuit Interrupter
- Connect Only To a Branch Circuit Protected By Over current Protection Device Rated Not More Than 20 A.
- “Bonding Lugs” adjacent to any unused bonding lugs.
- Use Copper Conductors Only
- **CAUTION:** Risk Of Electric Shock, Disconnect Electric Power Before Servicing” for units which require servicing of Class 1 or 2 circuits, have attachment plug or separable power connectors, or enclosure containing a fuse.
- **CAUTION:** Risk Of Electric Shock, Unit Supplied From More Than One Branch Circuit, Disconnect From All Sources of Electric Power Before Servicing” for units supplied from more than one supply source.
- This Component Relies Upon Its Mounting Means For Grounding Continuity. Use Only Identical Replacement Parts and Mounting Hardware to Ensure Continued Electrical Safety for units which have components and subassemblies that rely solely upon their mounting means to ensure bonding continuity.
- **WARNING:** Risk Of Hyperthermia And Possible Drowning; Do Not Use A Hydromassage Bathtub Equipped With Heater Immediately Following Strenuous Exercise.
- **WARNING:** Risk of Electric Shock; Do Not Permit Electric Appliances (Such As A Hair Dryer, Lamp, Telephone, Radio Or Television) Within 1.5 M Of This Hydromassage Bathtub.
- **WARNING:** Risk Of Hyperthermia And Possible Drowning; Water Temperature in Excess of 38°C May Be Injurious to Your Health. Check And Adjust Water Temperature Before Use.
- **WARNING:** Risk Of Hyperthermia; People Using Medications And/Or Having An Adverse Medical History Should Consult A Physician Before Using A Hydromassage Bathtub Equipped With Heater.
- Prolonged immersion in water hotter than normal body temperature may induce hyperthermia.
- Americh hydromassage bathtubs equipped with a heater will automatically maintain the current water temperature when the hydromassage system is engaged. The heater does not have adjustable controls and will automatically sense the current temperature of the water. Water temperature in the tub no higher than 38°C is recommended by Canadian federal and local statutes and regulations.
- **INSTALL TO PERMIT ACCESS FOR SERVICING**
- Install This Unit in Accordance with the Canadian Electric Code Part I.
- The Control Provided With This Unit Shall be Installed Out of Reach of Persons Occupying the Tub, in Accordance With the “Canadian Electrical Code, Part I” for units included with a control but is not an integral part of the tub.

**Always check [www.malibuhomeinc.com](http://www.malibuhomeinc.com) for the most updated installation instructions.**

### in compliance with

ANSI. Z124.1 – 1995

ANSI A112.19.7 – 1987

ANSI A112.19.8 - 1987

ASTM F468 - 79 (85)

City of Los Angeles M980036 and M820132

### listed by

