Installation Guide

Heated Whirlpool and Air Bath

Retain serial number for reference:
Conserver le numéro de série pour référence:
Guarde el número de serie para referencia:_____

Français, page "Français-1"
Español, página "Español-1"

THE BOLD LOOK OF KOHLER®

1385107-2-B

Installation Instructions

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

WARNING: Risk of electric shock. Connect all components to circuits protected by a Ground-Fault Circuit-Interrupter (GFCI)*.

Building materials and wiring should be routed away from the whirlpool pump, blower motor, and other heat-producing components of the unit.

Install to permit access for servicing.

A pressure wire connector marked "Earth/Ground" is provided within the wiring compartment. To reduce the risk of electric shock, connect this connector to the grounding terminal of your electric service or supply panel with copper wire equivalent in size to the circuit conductor supplying this equipment.

A pressure wire connector is provided on the exterior of the pump or control within this unit to permit connection of a bonding conductor between this unit and all the other exposed metal in the vicinity, as needed to comply with local requirements.

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

WARNING: Risk of injury or property damage. Please read all instructions thoroughly before beginning installation, including the following requirements.

WARNING: Risk of electric shock. A qualified electrician should make all electrical connections.

WARNING: Risk of electric shock. Disconnect power before servicing.

NOTICE: Follow all local plumbing and electrical codes. In Canada, install this unit in accordance with the Canadian Electrical Code, Part 1.

*Outside North America, this device may be known as a Residual Current Device (RCD).

Product Information

Electrical Requirements

The installation must have **three** Class A Ground-Fault Circuit-Interrupter (GFCI). The GFCI protects against line-to-ground shock hazard. **Use a 120 V, 15 A, 60 Hz dedicated service for the blower. Use a 120 V, 15 A, 60 Hz dedicated service for the pump/bubble heater. Use a 120 V, 15 A, 60 Hz dedicated service for the whirlpool heater.**

If a power supply cord is damaged, it must be replaced by the manufacturer, its service agent or similarly qualified persons in order to avoid a hazard. The heater supply cord cannot be replaced. If the heater supply cord is damaged the heater must be replaced.

Product Notices

WARNING: Unauthorized modification may cause unsafe operation and poor performance of the bath. Do not relocate the whirlpool pump motor or blower motor, or make other modifications to the bath system, as this could adversely affect the performance and safe operation of the product. Kohler Co. shall not be liable under its warranty or otherwise for personal injury or damage caused by any such unauthorized modification.

IMPORTANT! The recommended operating pressure for this system is 35-60 psi (241-414 kPA).

NOTICE: Keep the area around the blower clean and free of debris. Ensure that the area around the blower is free of sawdust, insulation, dirt, and other small loose debris. Such material can block the blower air ducts and reduce the air flow through the blower.

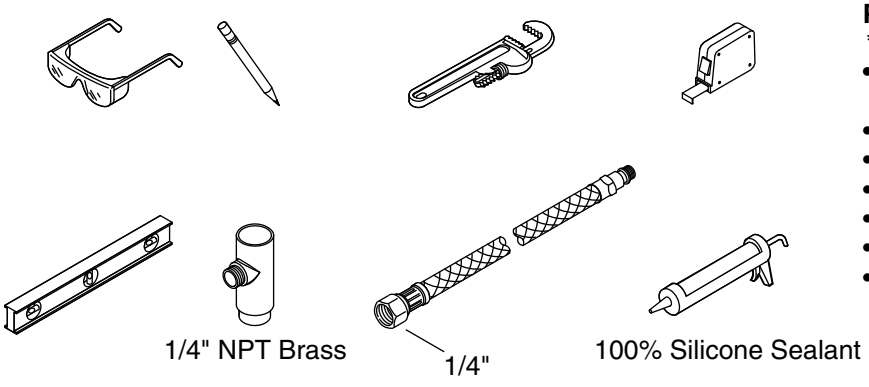
Product Information (cont.)

NOTICE: This product contains an automatic water purge mode that turns the blower on for 5 minutes after the unit is turned off and drained.

Features

Factory-installed components include a pump motor, heater (H models), and blower motor (each with a separate power supply cord), whirlpool jets, air piping, air switch, and user keypad. Other than electrical wiring and plumbing, no assembly is needed.

Tools and Materials

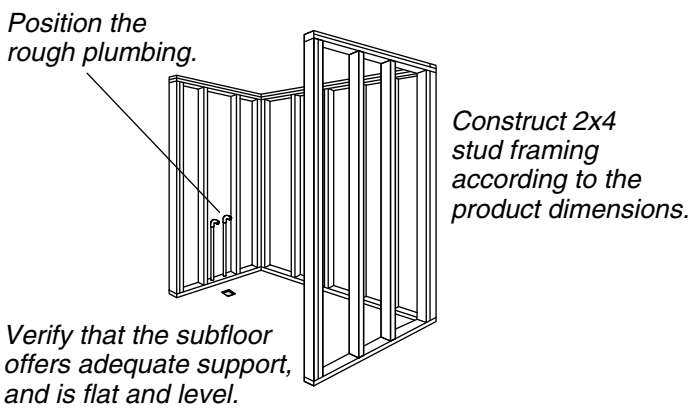


Plus:

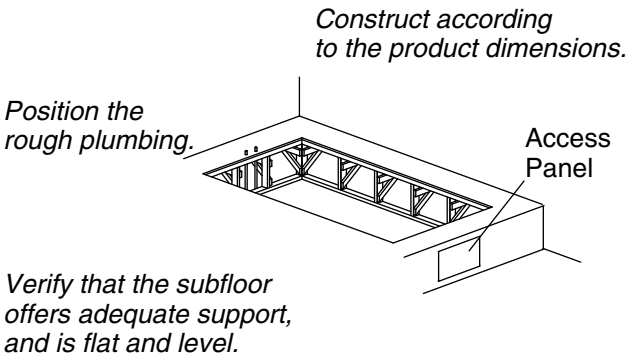
** Do not use gypsum cement.*

- Conventional Woodworking Tools and Materials
- Drop Cloth
- Construction Adhesive (Optional)
- Cement* or Mortar (Optional)
- 2x4s
- Plastic Film (Optional)
- 1/8" (3 mm) Spacers

Alcove



Drop-In



1. Prepare the Site

NOTICE: Measure your actual product for site preparation. Note the **model number** located on the pump/blower end of the bath, then visit the product page at kohler.com for more information.

NOTICE: Drop-in models are **not** intended for alcove installation. Use a flanged model for alcove areas.

NOTICE: Provide adequate ventilation and a minimum 32 cubic feet (.9 cubic meters) of air space in the installed location for cooling the motor and to supply sufficient air for the blower. Do not install the blower motor closer than 1″ (25 mm) from the wall or other objects.

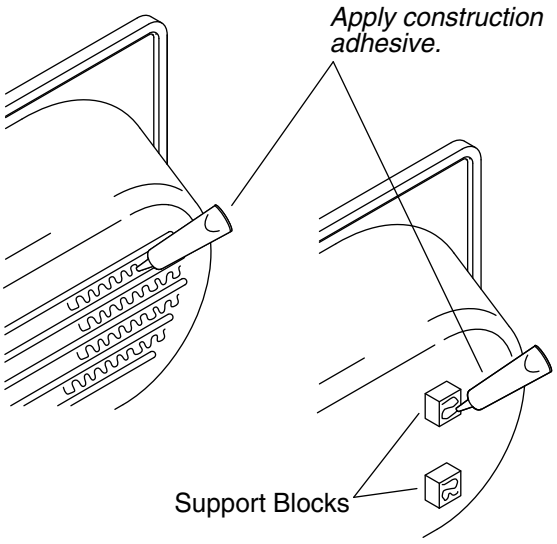
NOTICE: Provide generous, unrestricted access to the pump and blower. Refer to the Product Specification Sheet for minimum access panel requirements. You must provide access immediately next to the pump, blower, and controls for servicing.

NOTICE: Do not support the weight of the bath by the rim. Plan to shim under the bath as needed when leveling the bath.

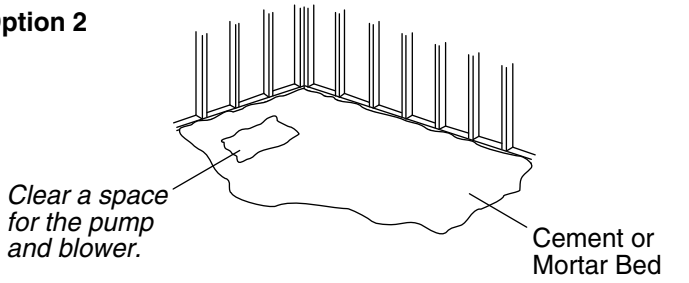
NOTE: Drop-in or alcove installation is possible, depending on the product chosen.

- ☐ Carefully unpack and inspect the new bath for damage before installation. If there is damage do not install the bath; contact your dealer.
- ☐ Make sure the flooring offers adequate support for your bath, and verify that the subfloor is flat and level.
- ☐ Construct 2x4 stud framing.
- ☐ Install an access panel on the pump/blower end of the bath for servicing. The access panel must be at least 30″ (762 mm) wide by 15″ (381 mm) high.
- ☐ Install the rough plumbing.
- ☐ Install the drain to the bath according to the drain manufacturer's instructions.
- ☐ Protect the bath surface by positioning a clean drop cloth in the bowl bottom.

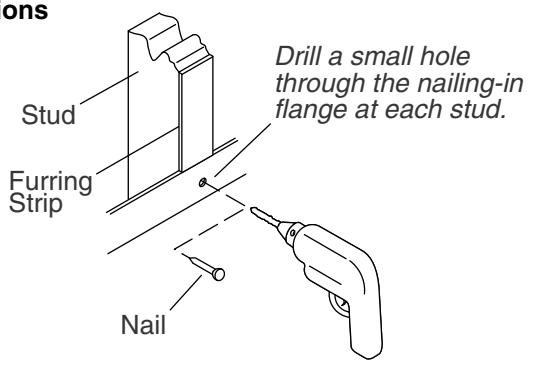
Option 1



Option 2



Alcove Installations



2. Install the Bath

IMPORTANT! Use maximum 1/8″ (3 mm) thick spacers under the bath rim to ensure that the rim does not contact the deck.

NOTICE: Do not lift the bath by the piping or blower, or use the piping or blower for structural support of the bath. To avoid damage to the bath, lift by the rim at the sides of the bath.

- ☐ If the subfloor is not level, shim the bath support blocks as necessary.
- ☐ **Option 1: Construction adhesive:** Apply a generous amount of high-quality construction adhesive to the bottom of the support blocks or molded supports.

NOTE: Lay plastic film on wooden subfloors if desired to prevent water absorption.

- ☐ **Option 2: Cement or mortar bed:** Apply 1″ (25 mm) to 2″ (51 mm) of mortar cement in the installation area. Do not use gypsum cement or drywall compound, as they will not provide an acceptable, durable bond.

IMPORTANT! Use care not to pinch or crush the flexible tubing as the bath is placed into position.

- ☐ With help, carefully lift the bath into position. Shift the flexible tubing away from any pinch points.
- ☐ Apply weight to the bath bowl until the mortar or adhesive sets.

Cut the Pump Banding Straps

IMPORTANT! Perform this step to make the whirlpool operate more quietly.

- ☐ Cut the two pump banding straps connected to the whirlpool pump.

NOTE: Do not raise the pump higher than it was before you cut the straps. If the pump is raised too high, it will not prime properly. Make sure that the rubber isolation feet are in place.

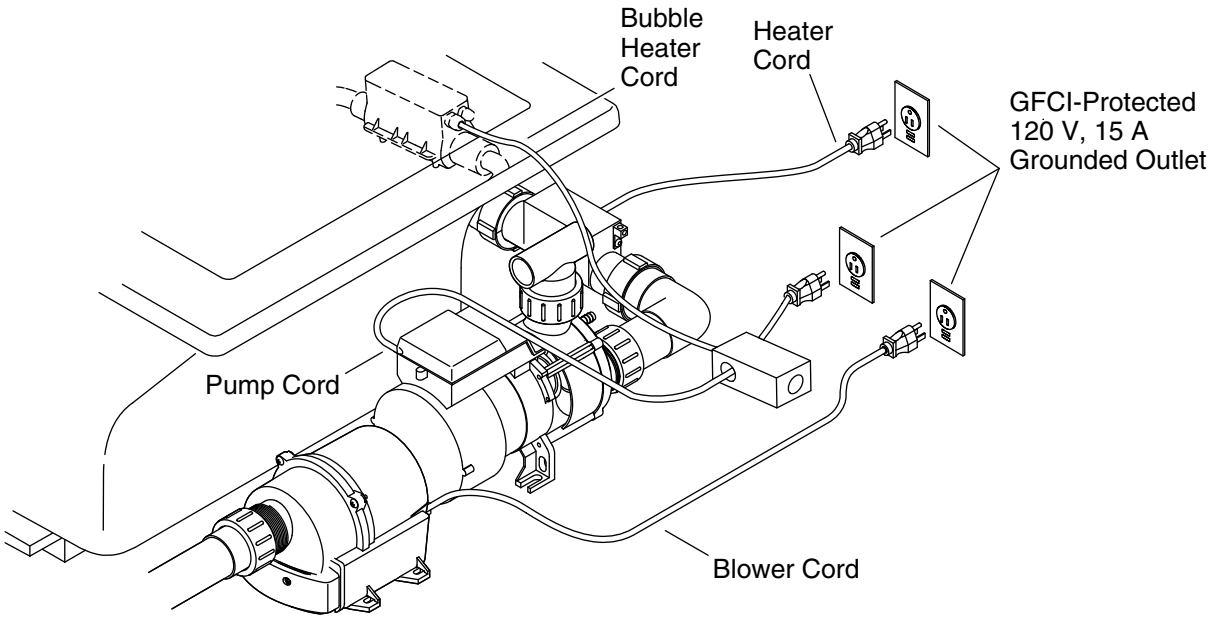
Drop-In Installation

- ☐ Install the drain tee and tailpiece. Secure the tailpiece into the trapway.
- ☐ Install the faucet valve.
- ☐ Check the drain connections for leakage.

Install the Bath (cont.)

Alcove Installation

- ☐ Drill a small pilot hole through the nailing-in flange at each stud. Add shims as needed.
- ☐ Use large-head galvanized nails to secure the nailing-in flange to the studs.
- ☐ Nail 1/4″ (6 mm) thick furring strips to the studs.
- ☐ Insert the drain tailpiece into the trapway. Secure the drain tailpiece to the trapway.
- ☐ Install the faucet valve.
- ☐ Check the drain connections for leakage.



3. Make the Electrical Connections

DANGER: Risk of electric shock. Connect the pump/bubble heater, whirlpool heater, and blower to properly grounded, grounding-type receptacles protected by Ground-Fault Circuit-Interrupters (GFCI)*. Do not remove the grounding pins from the plugs. Do not use grounding adapters.

WARNING: Risk of electric shock. Make sure the power has been disconnected before performing the following procedures.

NOTICE: The pump/bubble heater, whirlpool heater, and blower are equipped with cords and plugs. A qualified electrician must install a dedicated GFCI*-protected, 120 V, 15 A, grounded outlet **for each** cord No other load should be on these circuits.

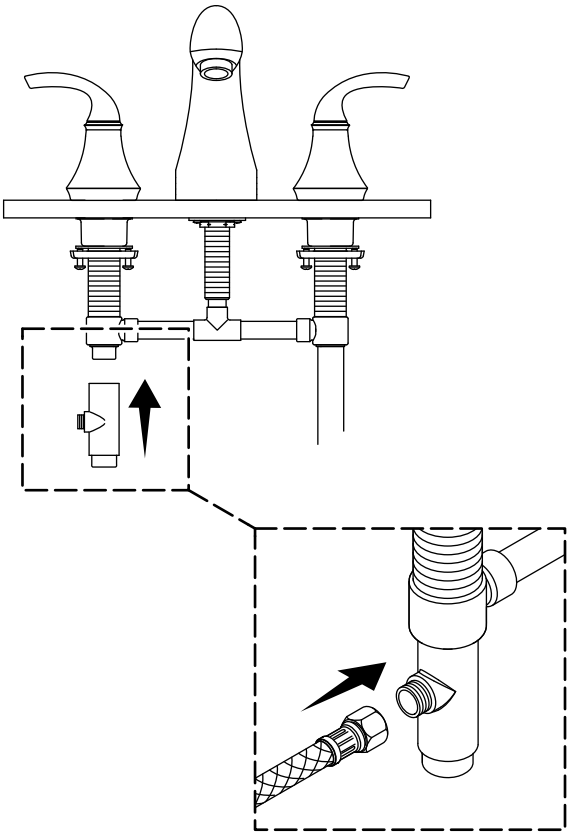
NOTICE: Do not combine the electrical loads by using duplex GFCI* outlets.

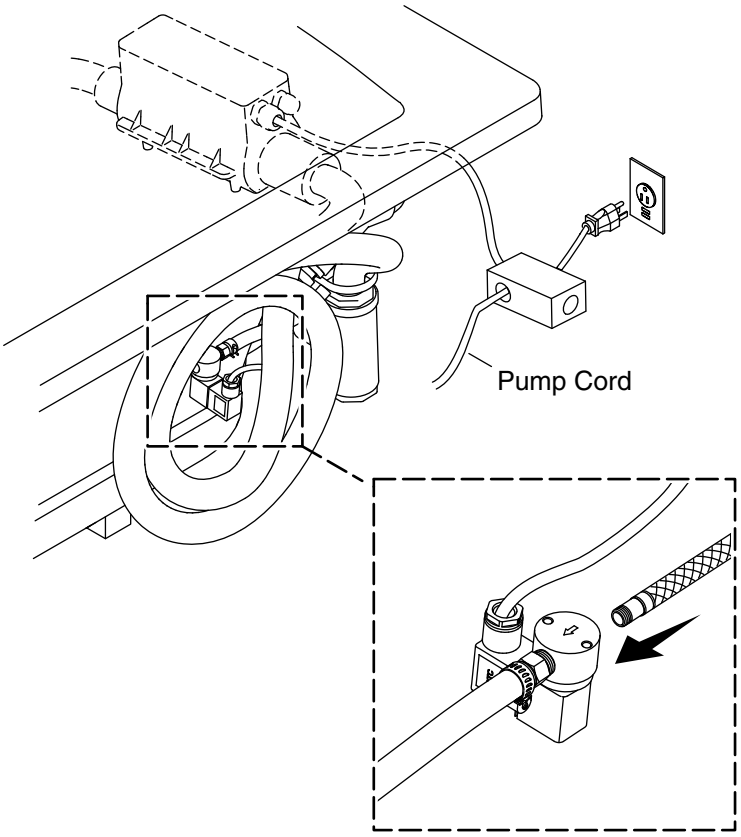
NOTE: A label identifying the model number and electrical rating of the product is located near the whirlpool pump.

- ☐ Install 3 electrical outlets within reach of the 24" (610 mm) power cords.
- ☐ Plug the blower cord into one of these outlets.
- ☐ Plug the whirlpool heater cord into its own outlet.
- ☐ Plug the bubble heater/pump cord into the remaining outlet.

NOTE: Make sure that the air actuator tubing is securely attached to the pump, and is not kinked or damaged.

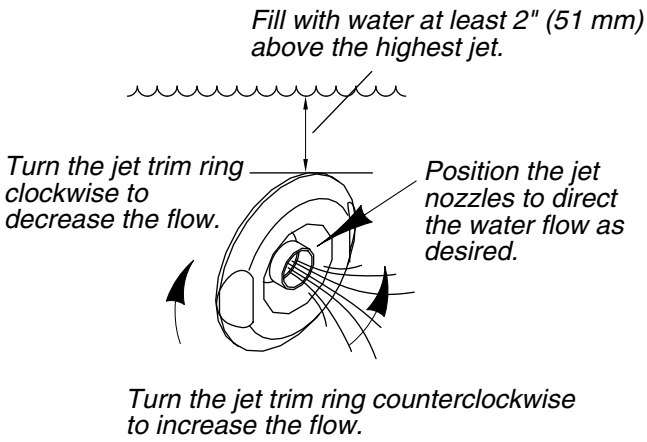
*Outside North America, this device may be known as a Residual Current Device (RCD).





4. Connect the Bubble Heater

- ☐ Install the tee to the hot water valve on the bath faucet.
- ☐ Thread the supply hose into the 1/4″ NPT port of the tee.
- ☐ Thread the opposite side of the supply hose into the 1/4″ NPT port of the solenoid valve. **Do not kink the hoses.**
- ☐ Verify that the bubble heater/pump cord is plugged into its own electrical outlet.



5. Complete the Installation

Test Run the Bath

- ☐ Fill the bath at least 2″ (51 mm) above the top of the highest jet.
- ☐ Operate the bath for 5 minutes and check all piping connections for leaks. Check for leakage along the front, sides, and back of the bath.
- ☐ For additional information on bath operation, see the ″Operating the Whirlpool System″ and ″Operating the Air System″ sections.

Finish the Installation

IMPORTANT! Kohler Co. strongly recommends the use of 100% silicone sealant as instructed. Other sealants with high filler contents should be avoided, as they may shrink, separate, and peel over time

- ☐ Install water-resistant wallboard and all finished wall, deck, and floor materials.
- ☐ Apply a minimum 1/8″ (3 mm) bead of 100% silicone sealant to seal all areas where the bath and finished wall or deck meet.
- ☐ Install the faucet trim.

Clean-up After Installation

- ☐ When cleaning up after installation, **do not use abrasive cleansers,** as they may scratch and dull the bath surface. Use warm water and a liquid detergent to clean the surface of the bath.
- ☐ Remove stubborn stains or paint with turpentine or paint thinner. **Do not allow cleaners containing petroleum distillates to remain in contact with any bath surface for long periods of time.** Remove plaster by carefully scraping with a wood edge. Do not use metal scrapers, wire brushes, or other metal tools. Use a powder-type detergent on a damp cloth to provide mild abrasive action to any residual plaster.

Important Safety Instructions

READ AND FOLLOW ALL INSTRUCTIONS

SAVE THESE INSTRUCTIONS

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

Important Safety Instructions (cont.)

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

DANGER: Risk of accidental injury or drowning. To reduce the risk of injury, do not permit children to use this unit unless they are closely supervised at all times.

WARNING: Risk of personal injury. To avoid injury, exercise care when entering or exiting the bath.

WARNING: Risk of electric shock. Do not permit electric appliances (such as a hair dryer, lamp, telephone, radio, or television) within 5′ (1.5 m) of this bath.

WARNING: The use of alcohol, drugs, or medication can greatly increase the risk of fatal hyperthermia. Prolonged immersion in hot water may induce hyperthermia. Hyperthermia occurs when the internal temperature of the body reaches a level several degrees above the normal body temperature of 98.6°F (37°C). The symptoms of hyperthermia include an increase in the internal temperature of the body, dizziness, lethargy, drowsiness, and fainting. The effects of hyperthermia include: (a) failure to perceive heat, (b) failure to recognize the need to exit the bath, (c) unawareness of impending hazard, (d) fetal damage in pregnant women, (e) physical inability to exit the bath, and (f) unconsciousness resulting in the danger of drowning.

WARNING: Risk of fetal injury. Pregnant or possibly pregnant women should consult a physician before using the bath.

WARNING: Risk of hyperthermia or drowning. Do not use the bath immediately following strenuous exercise.

WARNING: Risk of hyperthermia or drowning. Water temperature in excess of 100°F (38°C) may cause injury. Test and adjust the water temperature before use.

WARNING: Risk of personal injury. Never drop or insert any object into any opening.

Use this bath only for its intended purpose as described in this guide. Do not use attachments not recommended by Kohler Co.

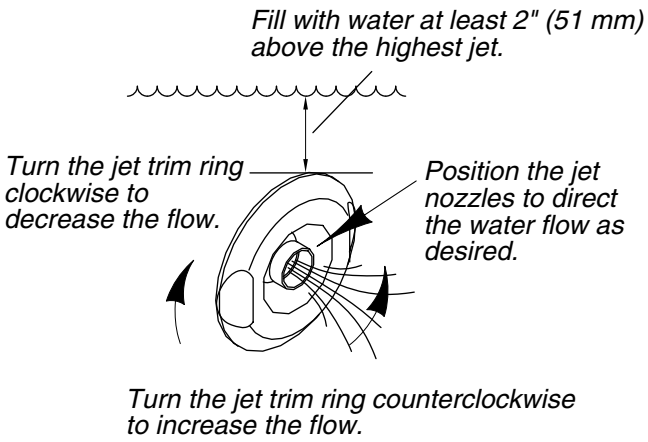
The bath must be connected only to a supply circuit that is protected by a Ground-Fault Circuit-Interrupter (GFCI)*. Such a GFCI should be provided by the installer and should be tested on a routine basis. To test the GFCI, press the test button. The GFCI should interrupt power. Press the reset button. Power should be restored. If the GFCI fails to operate in this manner, the GFCI is defective. If the GFCI interrupts power to the bath without the test button being pressed, a ground current is flowing, indicating the possibility of an electric shock. Do not use this bath. Disconnect the bath and have the problem corrected by a qualified service representative before using.

Flush your whirlpool system twice a month or more depending upon usage, as described in the ”Flush the System” section of this guide.

Repeated use of personal care products containing oils can damage plastic whirlpool components. Avoid using bath oils.

Whirlpool hydro-massage action can cause even a small amount of bubble bath, bath soap, shampoo, or bath oil to foam excessively. For this reason, please do not use these products during whirlpool operation.

*Outside North America, this device may be known as a Residual Current Device (RCD).



Operating the Whirlpool System

NOTE: This is a combination whirlpool and airbath. For information on using the air features, refer to the ″Operating the Air System″ section.

Start/Stop the Whirlpool Jets

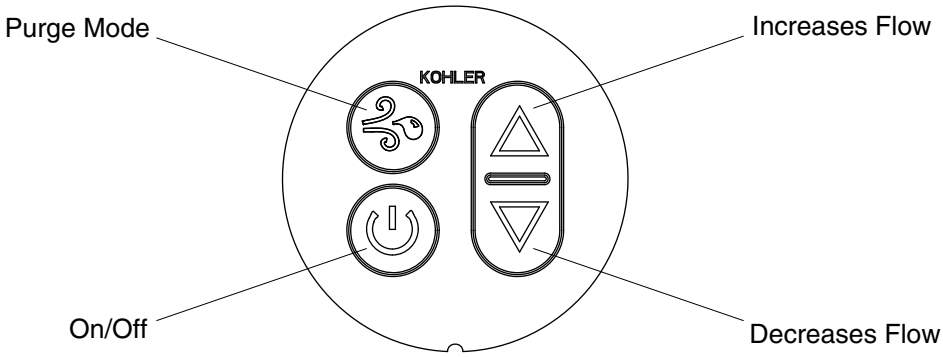
NOTE: The water temperature in the bath should never exceed 104°F (40°C).

- ☐ Close the drain, then fill the bath at least 2″ (51 mm) above the top of the highest jet.
- ☐ Use your hand to test the water temperature for comfort and safety, then carefully enter the bath.
- ☐ Press the air switch to turn on the pump.

NOTE: If equipped, the heater will automatically turn on.

- ☐ Adjust the jets for optimum air/water mixture. Turn the jet trim rings clockwise to reduce the flow or counterclockwise to increase the flow. Position the jet nozzles to direct the water flow as desired.
- ☐ Press the air switch a second time to turn off the pump.
- ☐ Carefully exit the bath, then open the drain and empty the water.

NOTE: If the whirlpool system does not function properly, refer to the ″Troubleshooting″ section.



Operating the Air System

NOTE: This is a combination whirlpool and air bath. For information on using the whirlpool features, refer to the ″Operating the Whirlpool System″ section.

IMPORTANT! This product contains an automatic water purge mode that turns the blower on for 5 minutes after the unit is turned off and drained.

NOTE: The water temperature in the bath should never exceed 104°F (40°C).

- Close the drain, then fill the bath at least 2″ (51 mm) above the highest whirlpool jet to provide adequate water supply for the air system.
- Use your hand to test the water temperature for comfort and safety, then carefully enter the bath.
- Press the [On/Off] icon to turn the blower on at medium speed.
- Press the [Up] or [Down] arrow icons to increase or decrease the air flow.
- Press the [On/Off] icon a second time to turn off the blower.
- Carefully exit and drain the bath.
- Press the [Purge Mode] icon to blow remaining water from the air channels. The blower will turn on for 2 minutes and then turn off automatically.

NOTE: After the bath drains completely, a 5 minute purge mode will begin automatically.

NOTE: If the bath does not function properly, refer to the ″Troubleshooting″ section.

Care and Cleaning

- **Do not use powdered cleaners unless the cleaner is fully dissolved in water.** Solid substances could block the airjets.
- **Do not use full strength bleach or ammonia cleaning solutions.** Chemically active cleaning solutions can damage the bath surface.
- **Do not use abrasive cleansers or solvents on acrylic surfaces.** Abrasive cleaners and solvents can damage the bath surface.
- Wipe out your acrylic bath with a soft cloth after each use.
- Avoid detergents, disinfectants, or cleaning products in aerosol cans.

Care and Cleaning (cont.)

NOTE: To restore dull or scratched units: Apply white automotive polishing compound with a clean rag. Rub scratches and dull areas vigorously. Wipe off residue. Follow with a coat of white automotive paste wax. Do not wax areas where you walk or stand.

Cleaning Your User Keypad and Remote Control

- ☐ Use a soft cloth to wipe the keypad and remote control after each use. If the surface becomes dirty, use a non-abrasive soap and warm water to clean.

Maintaining the Airjets

- ☐ If cleaning the airjets is required due to hard water deposits, use a small between-the-teeth dental brush and white vinegar. Dip the brush in the vinegar, brush the hole, rinse the brush in clean water, and then use the wet rinsed brush to rinse the hole.
- ☐ Fill the bath with water to the top row of airjets. Drain the bath and press the purge button.

For detailed cleaning information and products to consider, visit www.kohler.com/clean. To order Care & Cleaning information, call 1-800-456-4537.

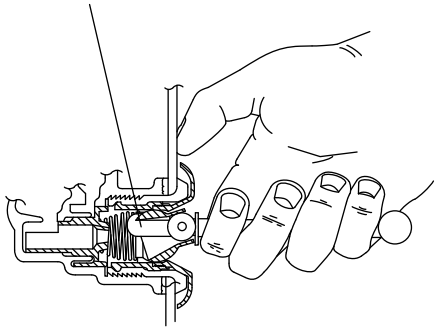
Flush the System

NOTE: Flush your whirlpool system twice a month or more, depending upon usage.

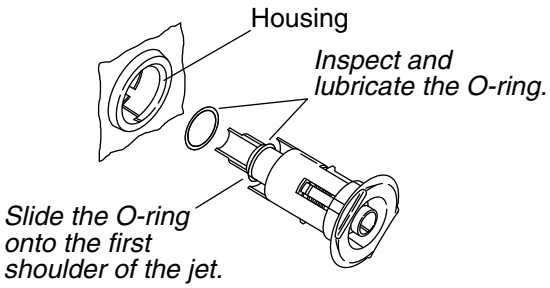
- ☐ Turn the jet trim rings fully clockwise to reduce air induction.
- ☐ Fill the whirlpool with hot water to a level at least 2″ (51 mm) above the highest jet.
- ☐ Add 2 teaspoons (10 ml) of a low-foaming, powder automatic dishwasher detergent and 20 ounces (590 ml) of household bleach (5% - 6% sodium hypochlorite) to the water.
- ☐ Run the whirlpool for 5 to 10 minutes. Turn off the whirlpool and drain.
- ☐ If desired, rinse the bath surfaces with water.
- ☐ Rinse the surfaces of the jets, faucet, grab bars, and drain, and wipe them dry with a soft cloth.

Remove the Jets

Insert the tool hook as shown and pull the jet out of the housing. The jet should be facing up when this is done.



Reinstall the Jets



Insert the jet into the housing, and lightly push and rotate until it snaps in position.

Troubleshooting

NOTICE: This section is for general aid only. A Kohler Co. Authorized Service Representative or qualified electrician should correct any electrical problems. For warranty service, call 1-800-4KOHLER from within the USA and Canada, or 001-800-456-4537 from within Mexico.

For service parts information, visit your product page at kohler.com/serviceparts.

Remove the Jets

NOTE: A special tool is provided with the replacement jets that will allow you to remove the jets from the whirlpool. This tool is also supplied with each trim kit.

- ☐ Position the jet ball nozzle so it is pointing upward.
- ☐ Insert the removal tool, hooked end up, into the opening of the jet and hook the inside top of the nozzle.
- ☐ Grasp the tool firmly and place your thumb against the whirlpool wall. Pull steadily on the tool until the jet assembly pulls free of the hole. Be careful not to lose the O-ring.

Reinstall the Jets

NOTE: To allow easy rotation and proper operation of the jet, the O-ring must be: (1) correctly positioned, (2) lubricated, and (3) in good condition.

- ☐ Install the O-ring onto the **first shoulder** of the jet.
- ☐ Using the silicone lube packet (provided), lubricate the O-ring to prevent noisy operation of the jet.
- ☐ Carefully insert the jet into the housing, then lightly push and rotate the jet until it snaps into position. **Do not force the jet.**
- ☐ Verify that the jet is installed correctly. The jet should turn smoothly both clockwise and counterclockwise. Remove and reinstall, if necessary.

Troubleshooting

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Whirlpool System

Symptoms	Probable Causes	Recommended Action
1. Whirlpool does not start or stop.	**A.** No power to motor.	**A.** Check that the pump and heater are plugged in and that the GFCI or RCD is switched to the correct position. Plug in or reset the GFCI/RCD as needed.
	B. Air hose is loose or disconnected.	**B.** Check that the hose is connected at both the receiver/pump end and to the air switch. Reconnect if needed.
	C. Air hose is pinched or kinked.	**C.** Adjust hose to clear the pinched/kinked area. If the tubing is pinched/kinked and cannot be readjusted, or no noticeable pinch/kink is apparent, poke a small hole in the tubing with a tack and try the system again.
	D. Push button assembly is damaged.	**D.** Replace the push button assembly.
	E. Push button has grease in the bleed area.	**E.** Disassemble the push button assembly and wipe away any excess grease. Reassemble the button and retry the system.
	F. Air hose is damaged.	**F.** Replace the air hose.
	G. Motor/pump does not work.	**G.** Replace the motor/pump.
2. Motor starts, not all jets are functioning.	**A.** Jet is closed.	**A.** Rotate jet trim ring counterclockwise to open.
	B. Jet not installed correctly.	**B.** Reinstall jet; check for O-ring damage.
	C. Jets are blocked.	**C.** Remove blockage.
3. Pump does not prime.	**A.** Pump shimmed too high.	**A.** Lower pump support bracket.
4. Noisy operation.	**A.** Pump banding straps have not been cut. (Models with support blocks only.)	**A.** Cut pump banding straps with tin snips.
	B. Jet O-ring dislodged.	**B.** Remove jet, replace and lubricate O-ring, and reinstall jet.
5. Heater does not operate. (“H” models only)	**A.** No power to heater.	**A.** Reset the GFCI or RCD.
	B. Water temperature exceeds 104°F (40°C).	**B.** Allow water to cool and heater will re-engage.
	C. Heater does not work.	**C.** Replace heater.

Troubleshooting (cont.)

Air System

Symptoms	Probable Causes	Recommended Action
1. Blower turns on by itself after the bath has been drained.	**A.** Normal operation. Automatic purge mode is working as designed.	**A.** No action is required. Automatic purge mode runs for 5 minutes after the bath is drained.
2. Blower turns off by itself after running for 5 minutes.	**A.** The Purge Mode icon was pressed instead of the On/Off icon.	**A.** Press the On/Off icon on the keypad. See the air bath operating instructions section.
3. Blower motor will not start.	**A.** Power cord from blower motor is loose, disconnected, or damaged.	**A.** Check wiring for proper connections.
	B. User keypad cable loose or damaged.	**B.** Check wire connections. If necessary, replace user keypad cable.
	C. User keypad does not work.	**C.** Replace user keypad.
	D. Blower motor does not work.	**D.** Replace the blower motor.
4. Blower motor stops running and will not immediately restart.	**A.** Blower motor overheated and protection device activated.	**A.** Check for blockage at blower air intake. Remove blockage and allow motor to cool.
5. Blower motor starts, some but not all airjets are working.	**A.** Blower motor speed is too low.	**A.** Increase speed.
	B. Blower motor inlet is blocked.	**B.** Clean blower motor inlet.
	C. Blower motor does not work.	**C.** Replace the blower motor.
	D. Blower motor discharge is blocked.	**D.** Clear blockage.
	E. Airjets are clogged.	**E.** Use a small between-the-teeth dental brush and white vinegar. Dip the brush in the vinegar, brush the hole, rinse the brush in clean water, and then use the wet rinsed brush to rinse the hole.
6. Blower motor runs but no air bubbles are observed.	**A.** Blower motor inlet is blocked.	**A.** Clean blower motor inlet.
	B. Airjets are clogged.	**B.** Use a small between-the-teeth dental brush and white vinegar. Dip the brush in the vinegar, brush the hole, rinse the brush in clean water, and then use the wet rinsed brush to rinse the hole.
	C. Blower motor does not work.	**C.** Replace the blower motor.
7. Blower motor operates, air bubbles are observed, but speed feature does not work.	**A.** Blower motor inlet is blocked.	**A.** Clean blower motor inlet.
	B. Loose, disconnected, or damaged wiring harness.	**B.** Check wiring for proper connections. Replace the wiring harness if necessary.
	C. User keypad does not work.	**C.** Replace the user keypad.
	D. Blower motor does not work.	**D.** Replace the blower motor.
8. Blower motor does not turn off when the On/Off button is pressed.	**A.** User keypad does not work.	**A.** Replace the user keypad.
	B. Loose, disconnected, or damaged wiring harness.	**B.** Check wiring for proper connections. Replace the wiring harness if necessary.
9. Purge mode does not work.	**A.** User keypad does not work.	**A.** Replace the user keypad.
	B. Control does not work.	**B.** Replace the control.
10. Bath does not purge automatically.	**A.** Blower does not work.	**A.** Replace the blower.
	B. Water level sensors faulty.	**B.** Replace the wires.
	C. Water level sensors run together	**C.** Separate the wires so that they run along different sides of the bath.