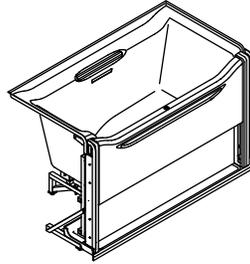


# Installation Guide

## Rising Wall Bath

K-1913



**M** product numbers are for Mexico (i.e. K-12345**M**)  
Los números de productos seguidos de **M** corresponden a México  
(Ej. K-12345**M**)  
Français, page "Français-1"  
Español, página "Español-1"

THE BOLD LOOK  
OF **KOHLER**®

# Important Information



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



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



**DANGER: Risk of electric shock.** Connect only to circuits protected by a Ground-Fault Circuit-Interrupter (GFCI) or Residual Current Device (RCD).



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

Building materials and wiring should be routed away from heat-producing components.

Install to permit access for servicing.

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



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

**Important Information (cont.)**



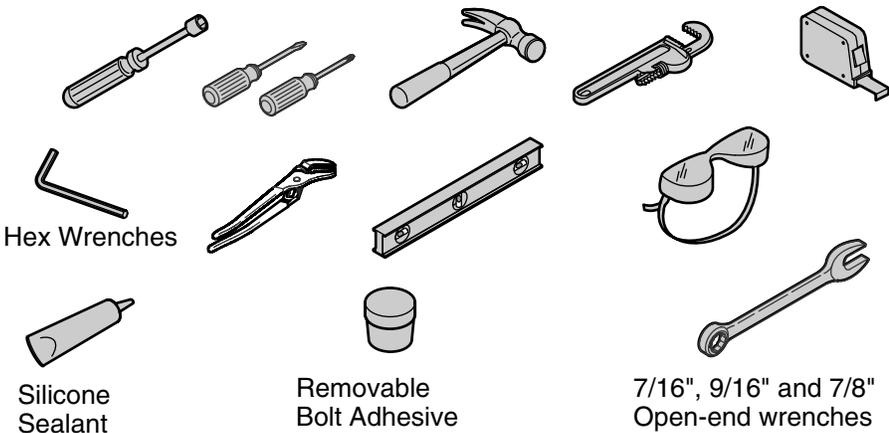
**WARNING:** Risk of electric shock. Disconnect power before servicing.

**NOTICE:** Follow all local plumbing and electrical codes.

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**Tools and Materials**



**Plus:**

- Crowbar or small pry bar
- Metal Shims
- Masking Tape
- Pencil
- Drop cloth or protective material
- Standard wood working tools and materials

## Before You Begin

**NOTICE: Risk of personal injury.** Handle the bath and frame carefully. Some edges may be sharp or rough.

**NOTICE: Risk of product damage.** Handle the bath and frame carefully. The bath will break or malfunction if handled carelessly.

**NOTICE: Risk of product damage.** Do not support the weight of the bath by the perimeter of the rim. To avoid damage to the product, support the bath by its base or feet.

**NOTICE: Risk of product damage and personal injury.** Due to the weight and installation difficulty of the product, Kohler Co. recommends that two people perform this installation. There are several installation sequences that are very difficult if performed alone.

**IMPORTANT!** Use care when removing screws. All screws will be reused unless otherwise indicated. Do not strip the heads.

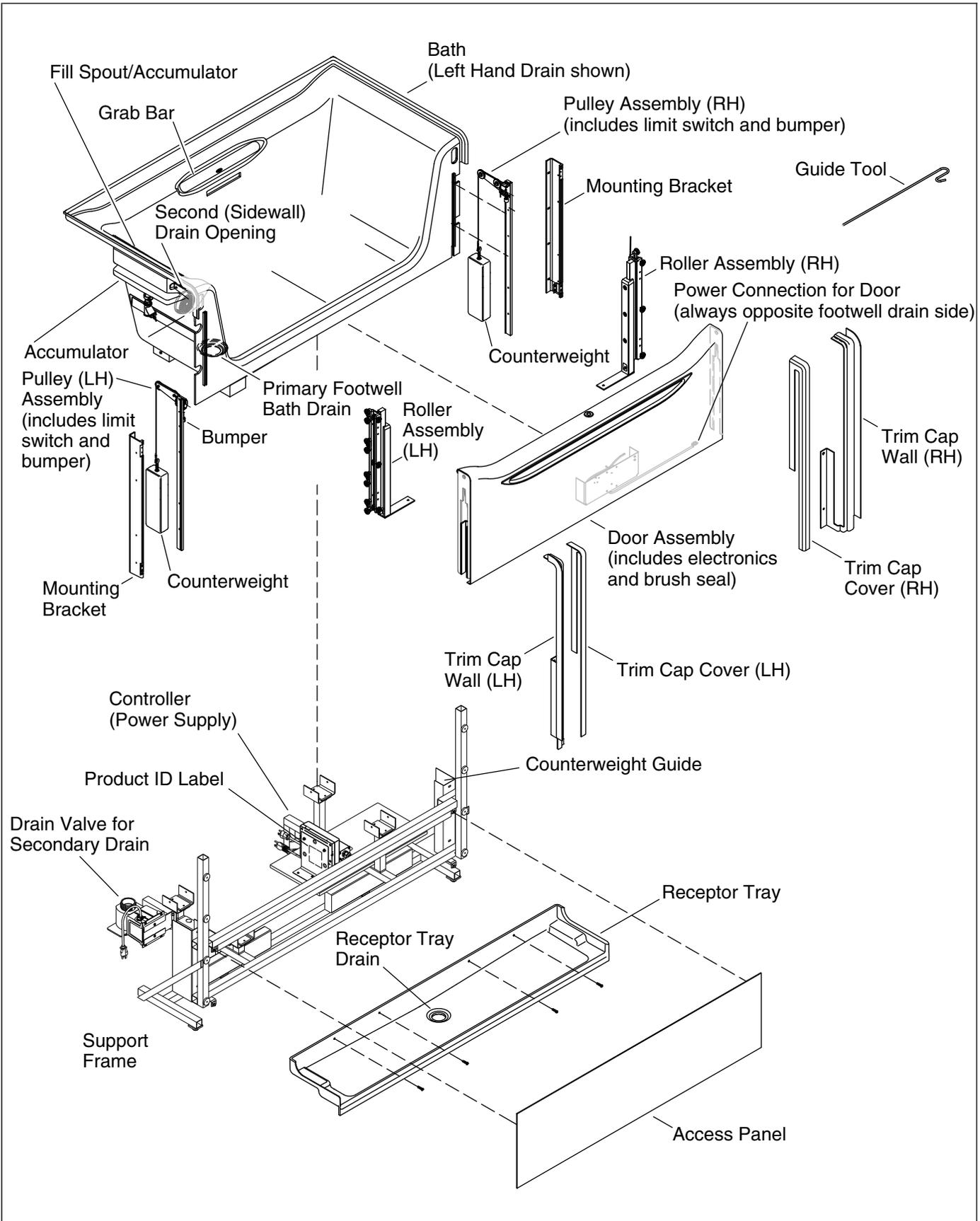
**IMPORTANT!** Do not cut or remove any cable ties unless instructed. They are used to hold critical parts in place, and are designed to stay in place throughout the installation.

**IMPORTANT!** If the installation site is in an area where frequent or prolonged power outages occur, Kohler Co. recommends that a minimum 350 VA Uninterruptible Power Supply (UPS) be installed as a backup power source to the bath controller. The UPS will ensure that door functionality is not compromised in the event of a power outage.

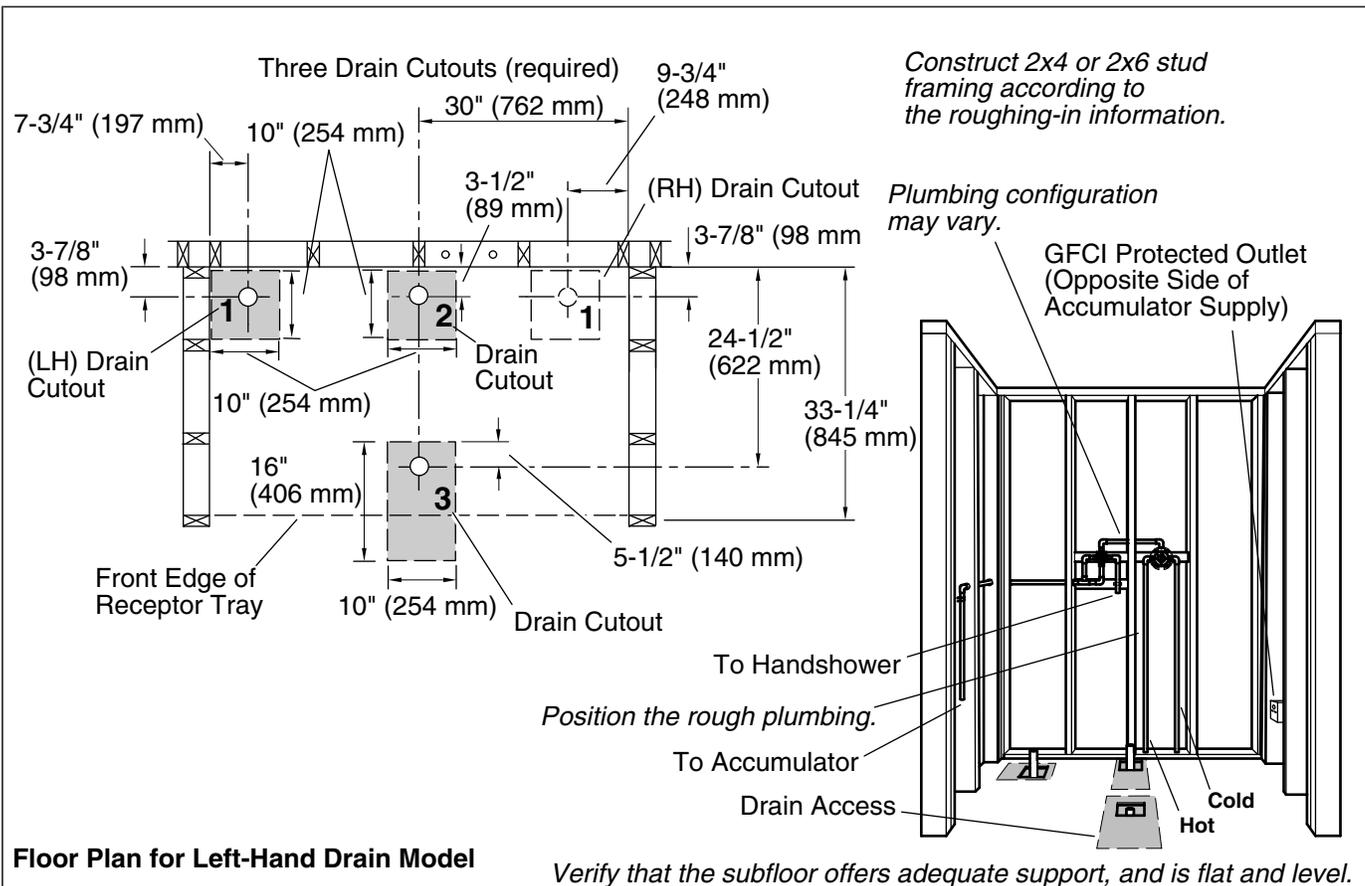
- Follow all local plumbing and electrical codes.
- **Depending on the installation, it may be necessary to disassemble parts of the bath to pass through all doorways, hallways, and stairways between the staging area and the bathroom. There will be several points in this installation where the installer will be asked if further disassembly is required. All adjustments have been made at the factory. Installation time is less for jobs requiring little or no disassembly.**

**IMPORTANT! Save all hardware.** If disassembly is required, save and organize all hardware. Hardware will be reused unless otherwise specified.

- There are supplemental installation instructions located on the back of the access panel.
- **This bath requires three drains with separate P-traps. Allow for three drains connecting at the stack in your installation.**
- The installation instructions outline the only parts that need to be removed or disassembled during the installation process. Although many parts may appear to be removable, do not disassemble anything unless instructed.
- Unpack the bath in an open area.
- Inspect the unit for damage and make sure parts such as counterweights, access panel, and trim caps are accounted for. The unit shown in this manual has a left-hand drain and may appear different than the unit you have purchased.



**Parts Identification**



## 1. Construct the Framing

### All Installations

**NOTICE:** Measure your product for site preparation. Note the **model number** located on the blower motor, then visit the product page at [www.kohler.com](http://www.kohler.com) for more information.

**NOTICE:** Adequate floor support must be provided.

**NOTICE:** Do not support the weight of the bath by the perimeter of the rim. To avoid damage to the product, support the bath by its base or feet.

**IMPORTANT!** This product requires three 1-1/2" diameter drain outlets, three P-traps, and three separate lines to the stack. In an ideal configuration, none of the drains should be combined, as performance may suffer and the potential for backflow will increase. If required, the two bathing vessel drains (#1 and #2 in diagram) may be combined downstream from the P-traps into a single 3" diameter drain line.

**IMPORTANT!** The drain for the receptor tray (#3) requires a dedicated P-trap and stack connection.

- Follow all local plumbing and electrical codes.
- Leave the stud pocket open and do not install the finished wall until after the bath has been installed. This installation is best done with access from the backside of the studs, particularly from each side.

**NOTICE:** Follow all local plumbing and electrical codes.

- If the installation site is in an area where frequent or prolonged power outages occur, Kohler Co. recommends that a minimum 350 VA Uninterruptable Power Source (UPS) be installed as a backup power source for the bath controller. This will ensure the door will open in the event of a power outage.

## Construct the Framing (cont.)

- Install a 120 V, 15 A, 60 Hz electrical outlet protected by a GFCI or RCD. The outlet must be located on the side of the bath opposite the footwell drain outlet, within 24" (610 mm) of the controller). Units with the heated surface feature will require a second electrical outlet within 24" (610 mm) of the heated surface controller.

**NOTE:** Drain #1 is the sidewall drain/valve outlet. Drain #2 is the overflow and footwell drain outlet. Drain #3 is the receptor tray drain outlet.

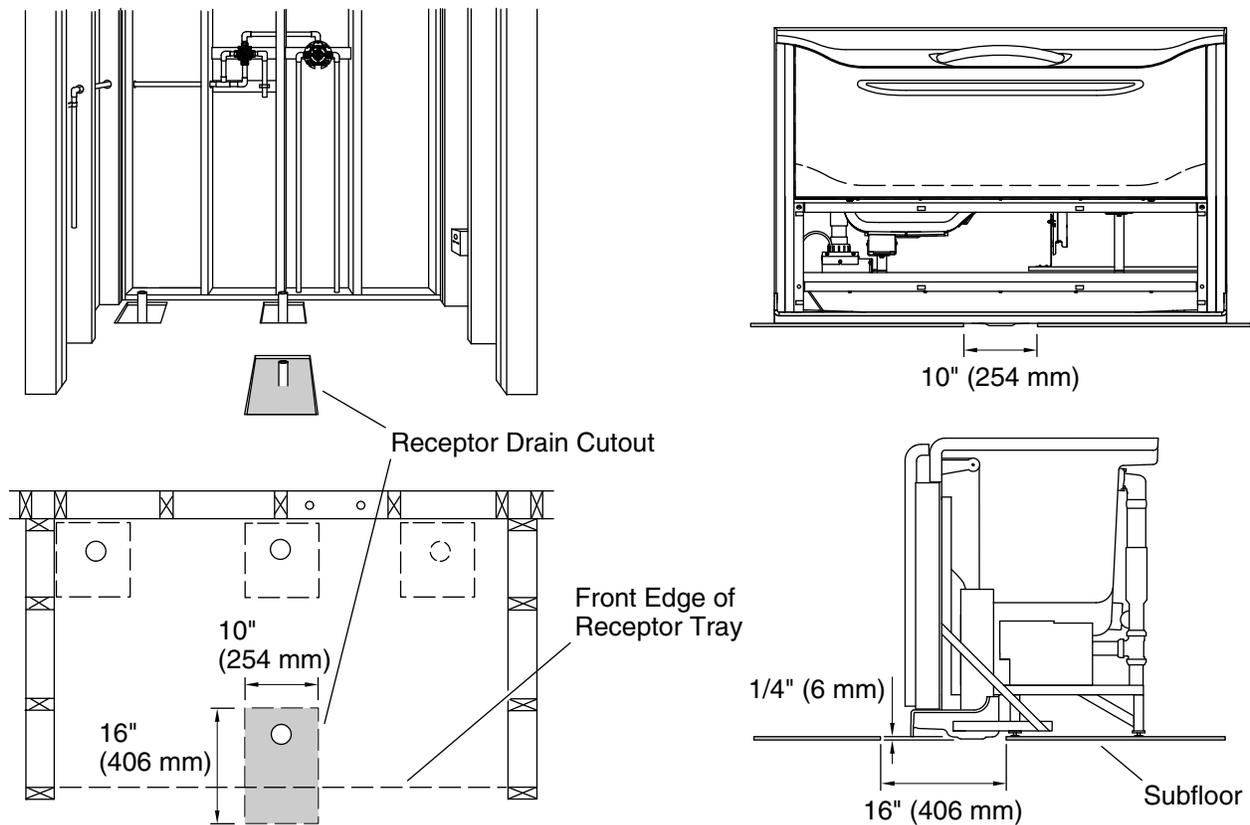
**NOTE:** Three drains are required for this product. Drains #1 and #2 require a 10" (254 mm) x 10" (254 mm) cutout.

**NOTE:** Drain #3, the receptor tray drain, requires a 10" (254 mm) x 10" (254 mm) cutout if access from below is available. If above-the floor access is required to make the connections, a 10" (254 mm) x 16" (406 mm) cutout is required to allow access. The 10" (254 mm) wide cutout is critical to prevent subfloor contact with the drain area of the receptor tray. If the subfloor and drain come into contact, enlarge the cutout as needed or raise the bath using the adjustable feet. The receptor tray must be level and the drain must rest comfortably through the subfloor.

- Make sure the flooring offers adequate support for the bath, and verify that the subfloor is flat and level.
- The bath should be installed in an alcove installation. Construct a 2x4 or 2x6 frame.
- Position the plumbing. Cap the supplies, and check for leaks.
- Provide adequate ventilation and at least 15 cubic feet (.4 cubic meters) of open air space for cooling the motor and supplying sufficient air to the blower. Do not install the blower motor closer than 1" (25 mm) to the wall or other objects.

**IMPORTANT!** Use the chart below as a general guideline. Every installation varies. Hallways, corners, stairways and other obstacles should be taken into account when determining how much disassembly is required. Avoid unnecessary disassembly when possible.

Door Opening	Recommended Installation Action
Larger than 33" (838 mm)	No disassembly is required. Skip sections 4 through 8.
31" (787 mm) to 33" (838 mm)	Remove the door from the bath and the receptor from the support frame.
30" (762 mm) to 31" (787 mm)	Full disassembly is likely. Follow all steps in this manual.
Less than 30" (762 mm)	The door open needs to be enlarged to a minimum of 31" (762 mm).

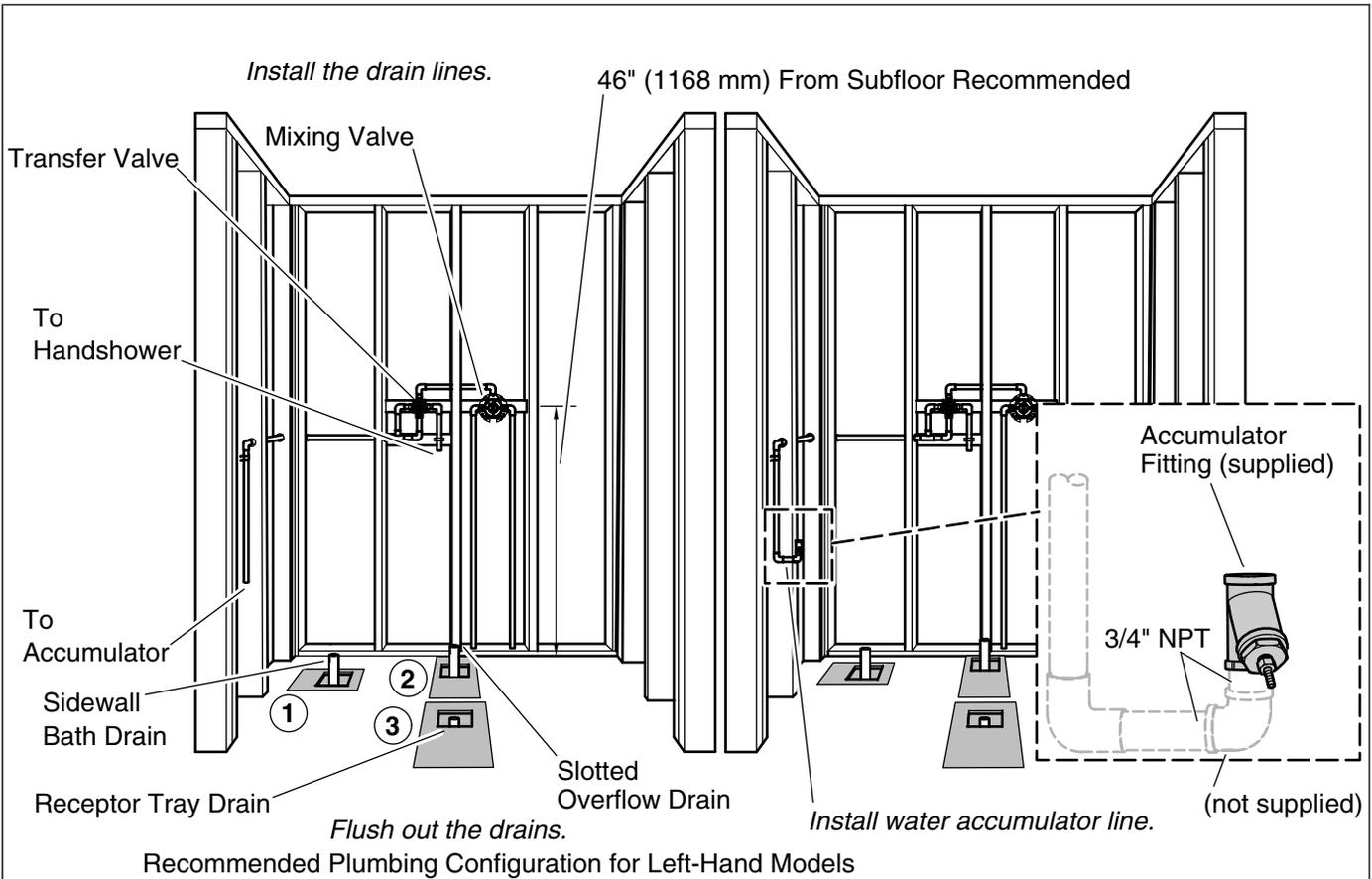


## 2. Confirm the Correct Cutout

### All Installations

**NOTE:** Drain #3, the receptor tray drain, requires a 10" (254 mm) x 10" (254 mm) cutout if access from below is available. If above-the floor access is required to make the connections, a 10" (254 mm) x 16" (406 mm) cutout is required to allow access. The 10" (254 mm) wide cutout is critical to prevent subfloor contact with the drain area of the receptor tray. If the subfloor and drain come into contact, enlarge the cutout as needed or raise the bath using the adjustable feet. The receptor tray must be level and the drain must rest comfortably through the subfloor.

- Measure the cutout to confirm it is a minimum of 10" (254 mm) wide and 16" (406 mm) long.
- Study the illustrations at the right. When the cutout is the correct size, the drain outlet on the receptor tray and the surrounding material will not come in contact with the subfloor. The drain outlet will protrude into the cutout when installed.
- If the cutout is too small, the receptor tray will be too high. The counterweights will strike the receptor tray when the door is raised and the door seals will not inflate.



### 3. Install the Drain Lines and Rough Plumbing

#### All Installations

##### Plumbing Access Considerations

- Confirm adequate mounting and connection space exists for the faucet specified for your installation.
- Confirm adequate clearance for three P-traps.
- **If the unit is installed on a slab at a corner of the outside walls:** Make connections to the accessible end, or provide access to the plumbing connections if not able to do so through the front access panel. Check the P-trap clearance for drains #1 and #2.
- **If the unit is installed on a slab back-to-back against the outside walls:** Plan to provide adequate access to the plumbing connections. Limited access is available through the access panel. Check the P-trap clearance for drains #1 and #2.
- **When the unit is installed where the drain connections are accessible from below:** Connections can usually be made from underneath the unit.

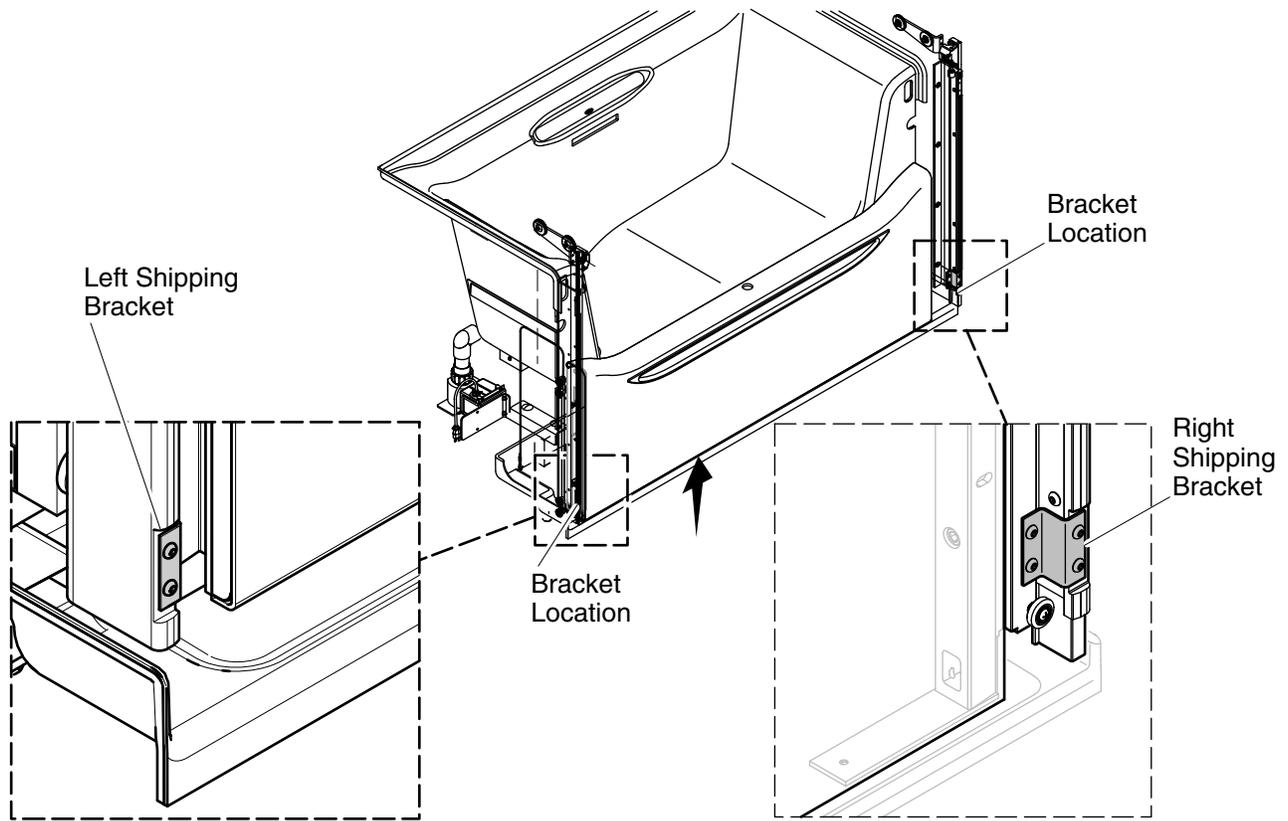
##### Install the Rough Plumbing

**IMPORTANT!** This product requires three 1-1/2" diameter drain outlets, three P-traps, and three separate lines to the stack. In an ideal configuration, none of the drains should be combined, as performance may suffer and the potential for backflow will increase. If desired, the two bathing vessel drains (#1 and #2) may be combined downstream from the P-traps into a single 3" or larger drain line.

- Install the plumbing lines following the valve and trim manufacturer's instructions. Recommended supply fittings and locations are shown above.
- Use 3/4" valves for optimal fill time.

**Install the Drain Lines and Rough Plumbing (cont.)**

- Install the receptor tray drain line and P-trap.
- Install the sidewall drain line and P-trap.
- Install the slotted overflow drain line and P-trap.
- Install the water supply line which will connect to the accumulator. Do not connect at this time.



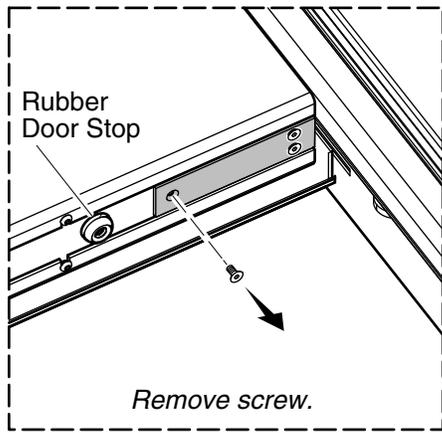
## 4. Remove the Shipping Brackets

### All Installations

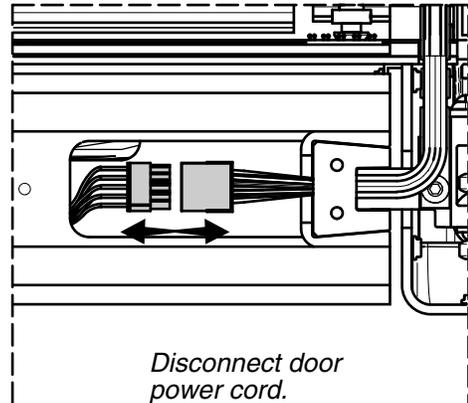
**NOTE:** Refer to the diagram in the "Product Identification" section to identify major components when needed.

- Remove and discard the shipping brackets. Take care not to strip the screw heads.

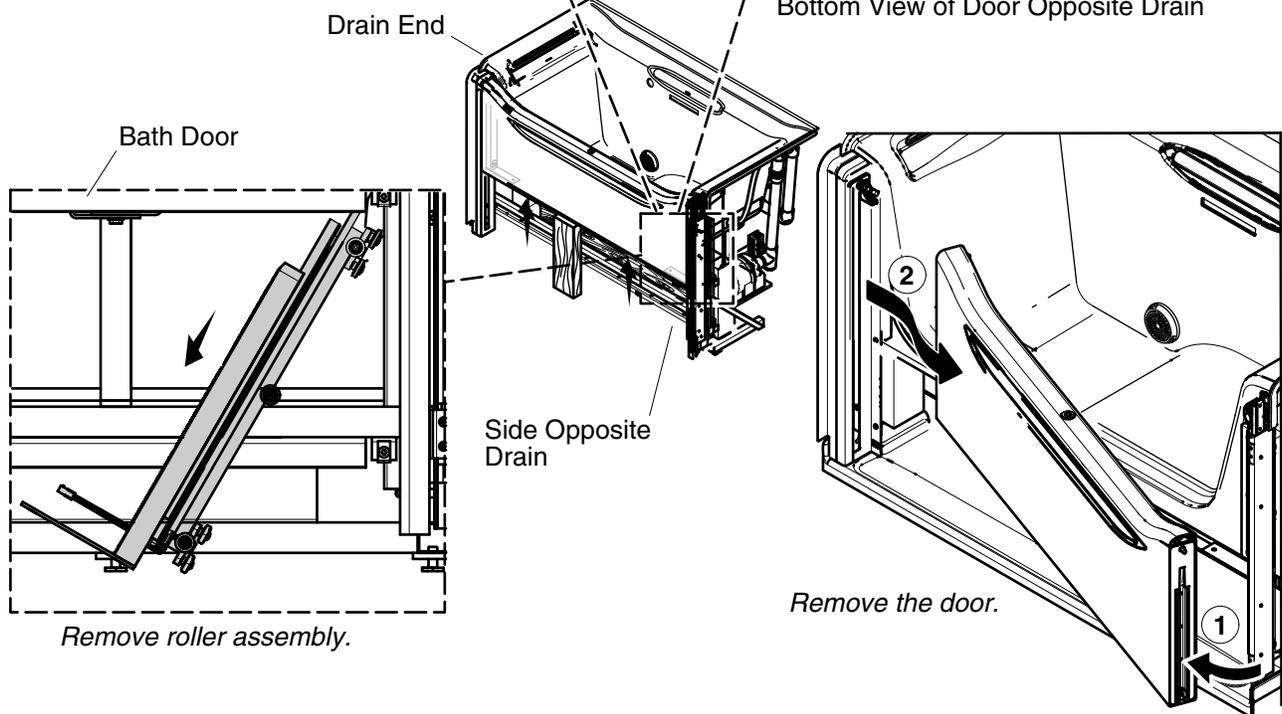
**If the bath can be moved into place without disassembling it, go directly to the "Position the Bath" section.**



Bottom View of Door Opposite Drain



Bottom View of Door Opposite Drain



## 5. Remove the Door

### Installations Requiring Disassembly Only

#### Disassembly Checkpoint #1

The steps in this section may not be necessary. Make sure removing the door is required. The bath can sometimes be moved into place fully assembled.

If the bath can be moved into place without performing these steps, go directly to "Position the Bath."

#### Remove the Door

**CAUTION:** The door will be heavy and difficult to lift until the counterweights are installed.

## Remove the Door (cont.)

**IMPORTANT!** Cover the receptor tray with protective material to avoid damaging it.

- Raise and latch the door.
- Have the second installer hold the door up and brace it using a 2x4 under the door, with the bottom end of the 2x4 positioned on the subfloor (**not** the receptor tray).



**CAUTION: Risk of personal injury.** When the screw is removed from the roller assembly plate, friction is the only force holding the roller assembly in place. To avoid injury or damage to the bath, make sure the roller assembly does not fall.

- On the side of the door opposite the drain and fill spout, carefully remove the screw nearest the rubber door stop securing the cover plate and roller assembly on the bottom of the door. Take care not to strip the screw heads.
- Slide the roller assembly down 2" (51 mm) to 4" (102 mm). If it sticks, gently pry or tap the roller assembly from above to help lower it.
- Unplug the power cord from the inside of the door by reaching up into the recess that the plate covered.
- Remove the power cord from the door, then slide the roller assembly all the way down, leaving it intact. Further disassembly of the cord from the roller assembly is possible but typically not needed.

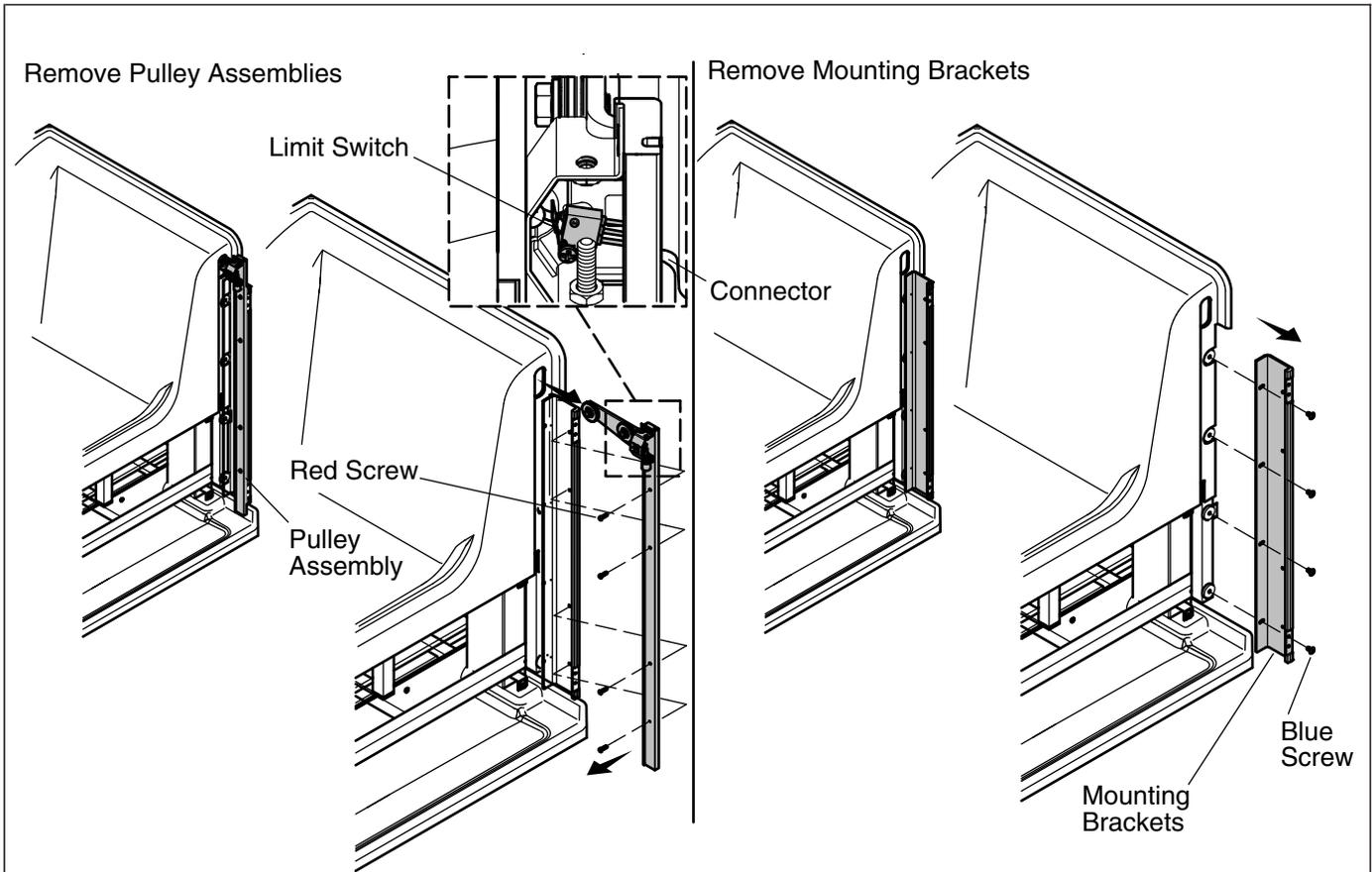
**IMPORTANT! Do not cut** the cable ties securing the power cord to the roller assembly.

**NOTE:** The power cord is held in place by a bracket at the base of the roller assembly. Do not remove the bracket unless necessary.

- Rest the roller assembly on the receptor tray with the power cord attached.
- Remove the 2x4 while supporting the door.

**NOTE:** The roller assembly on the drain side of the door will remain attached.

- Squeeze the door handle and pivot the door out of the track on the side opposite the drain.
- Remove the door and carefully set it aside.



## 6. Remove the Pulley Assemblies and Mounting Brackets

### Installations Requiring Disassembly Only

#### Disassembly Checkpoint #2

The steps below may not be necessary. Make sure removing the pulley assemblies, mounting brackets, and/or receptor tray is required. The bath can usually be moved into place after the door is removed.

If the bath can be moved into place without further disassembly, go directly to the "Position the Bath" section.

**IMPORTANT!** Save and organize all screws and hardware. All parts will be reused.

#### Remove the Pulley Assemblies

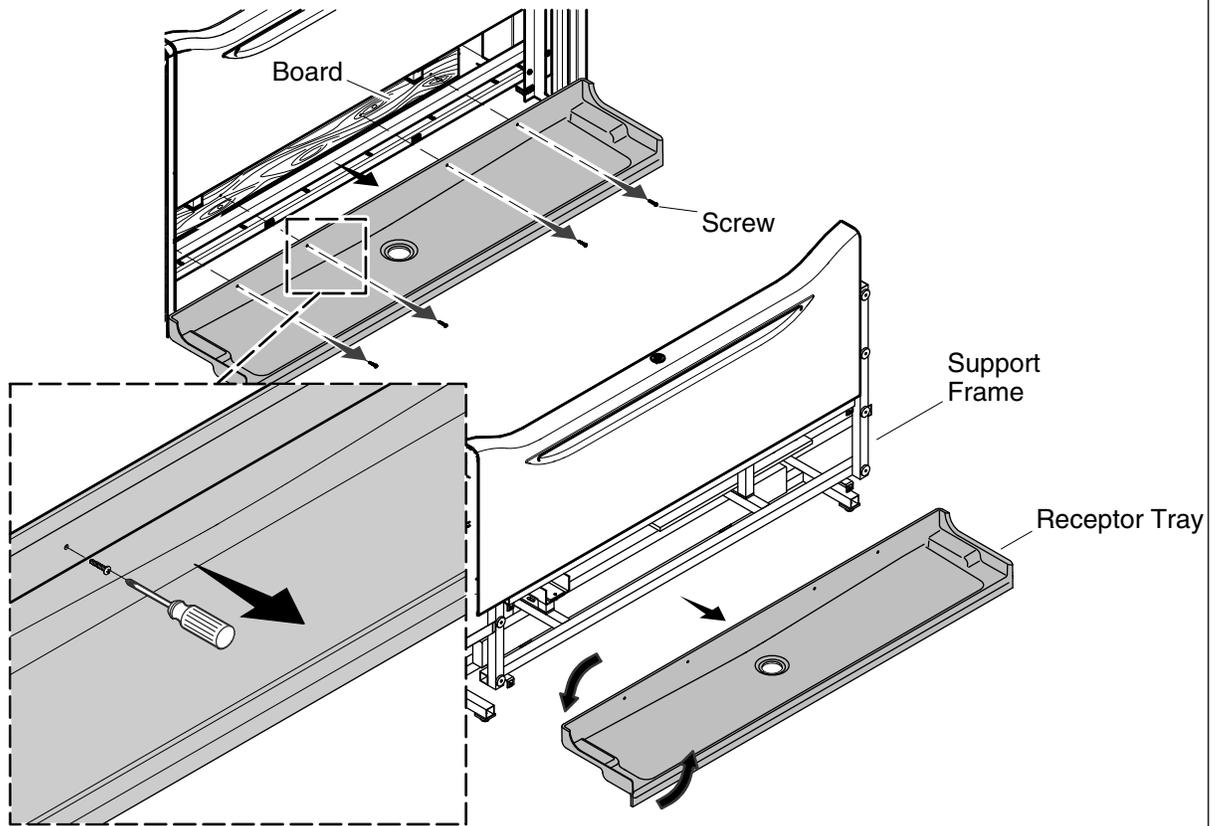
- Pull the limit switch wires at the top of each pulley through the opening in the bath until the connector appears, then disconnect them.
- Remove the four red screws from the drain side of the bath. Take care not to strip the screw heads.
- Remove the pulley assembly from the drain side of the bath.
- Remove the four red screws from the other side of the bath. Take care not to strip the screw heads.
- Remove the pulley assembly from the other side of the bath.

#### Remove the Mounting Bracket

- Remove the four blue screws from the drain side of the bath. Take care not to strip the screw heads.
- Remove the mounting bracket from the drain side of the bath.

**Remove the Pulley Assemblies and Mounting Brackets (cont.)**

- Remove the four blue screws from the other side of the bath. Take care not to strip the screw heads.
- Remove the mounting bracket from the other side of the bath.

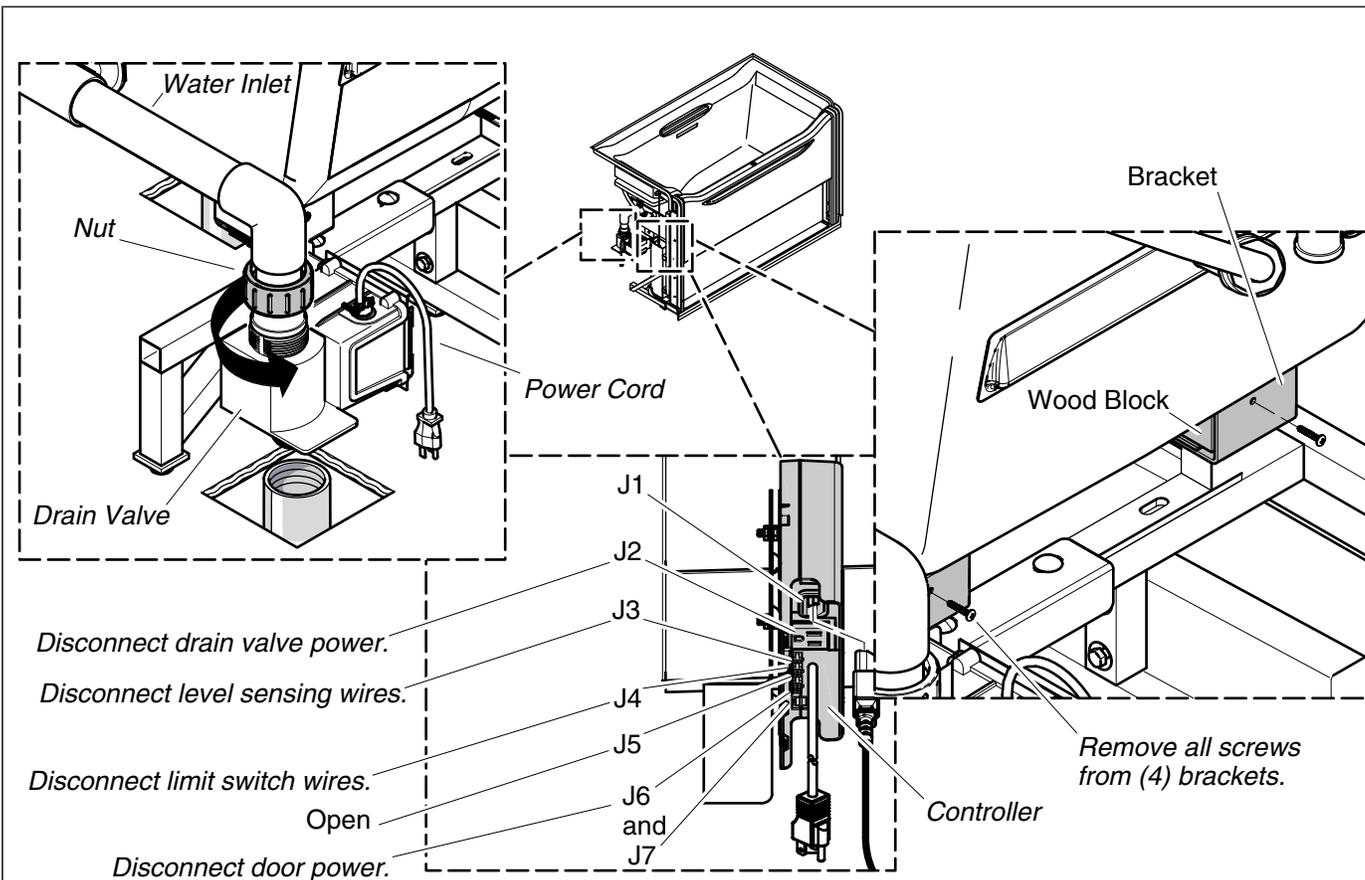


## 7. Remove the Receptor Tray

### Installations Requiring Disassembly Only

**NOTE:** Take care not to scratch the receptor tray or strip the screw heads when performing these steps.

- Remove each of the screws securing the receptor tray to the frame. Take care not to strip the screw heads.
- Carefully remove the receptor tray by rotating it down and out away from the counterweight guides.
- Set the receptor tray aside in a safe place.



## 8. Disconnect the Components

### Installations Requiring Disassembly Only

#### Disassembly Checkpoint #3

The steps below may not be necessary. It is only required for doorways less than 31" (787 mm). Make sure removing the bath from the frame is required. The bath likely can be moved into place while attached to the frame.

If the bath can be moved into place without further disassembly, go directly to the "Position the Bath" section.

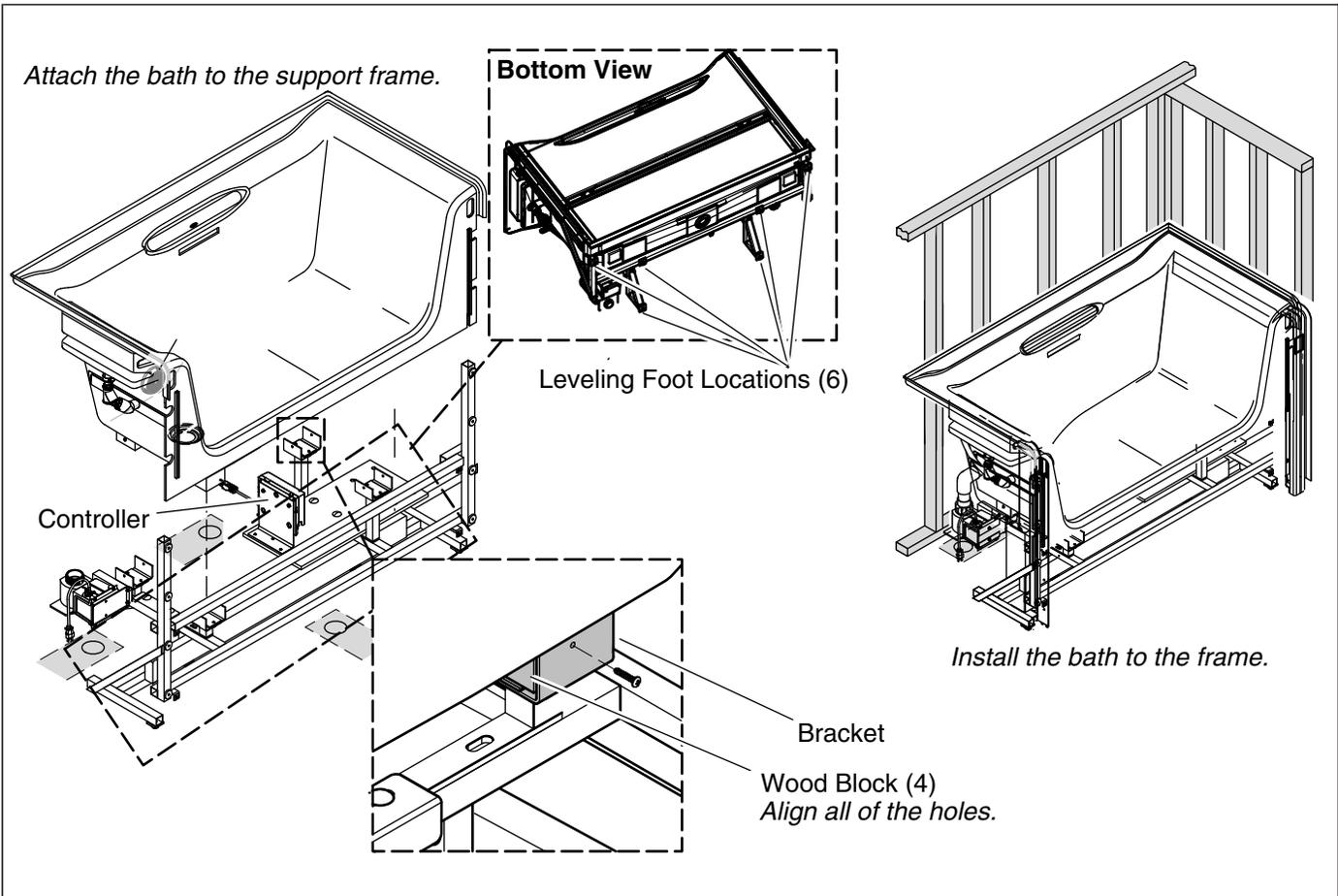
**IMPORTANT!** Save and organize all screws and hardware. All parts will be reused.

- Disconnect the water inlet from the drain valve by loosening the nut. Save the O-ring.
- Disconnect the level sensing wires at the controller.
- Disconnect the limit switch wires at the controller.
- Disconnect the door power wire at the controller.

#### Disconnect the Bath from the Frame

**IMPORTANT!** Be careful not to strip or damage the screws when removing them. When the bath is reattached they will be reused, as will the original holes in each of the wood blocks.

- Disassemble the bath from the support frame at the four brackets by removing the two screws.
- Carefully lift the bath clear of the frame and set it aside.
- Temporarily secure any loose wires and protect them from being damaged.



## 9. Position the Bath

### All Installations

**IMPORTANT!** If the installation site is in an area where frequent or prolonged power outages occur, Kohler Co. recommends that a minimum 350 VA Uninterruptible Power Supply (UPS) be installed as a backup power source for the bath controller.

**IMPORTANT!** If a handshower is being installed, follow the instructions packed with the handshower. Make sure the handshower installation conforms to all applicable backflow prevention requirements.

- Install any valving or accessories.
- Adjust each of the six leveling feet until they extend 1/4" (6 mm) to 1/2" (13 mm) from the base of the frame.
- Install the grab bar and slotted overflow drain following their installation instructions. If the PVC pipe included with the drain is too short, cut a new length using commonly available 1-1/2" Schedule 40 PVC pipe.
- If a UPS backup power supply is being installed to the controller, install it now following the UPS manufacturer's instructions. Do not connect the power source to the UPS at this time.

### Reassemble the Bath (if disassembled)

**NOTE:** The following steps are not required if you did not disassemble the bath. If the bath has not been disassembled, proceed to "Move the Bath Into the Stud Pocket" steps below.

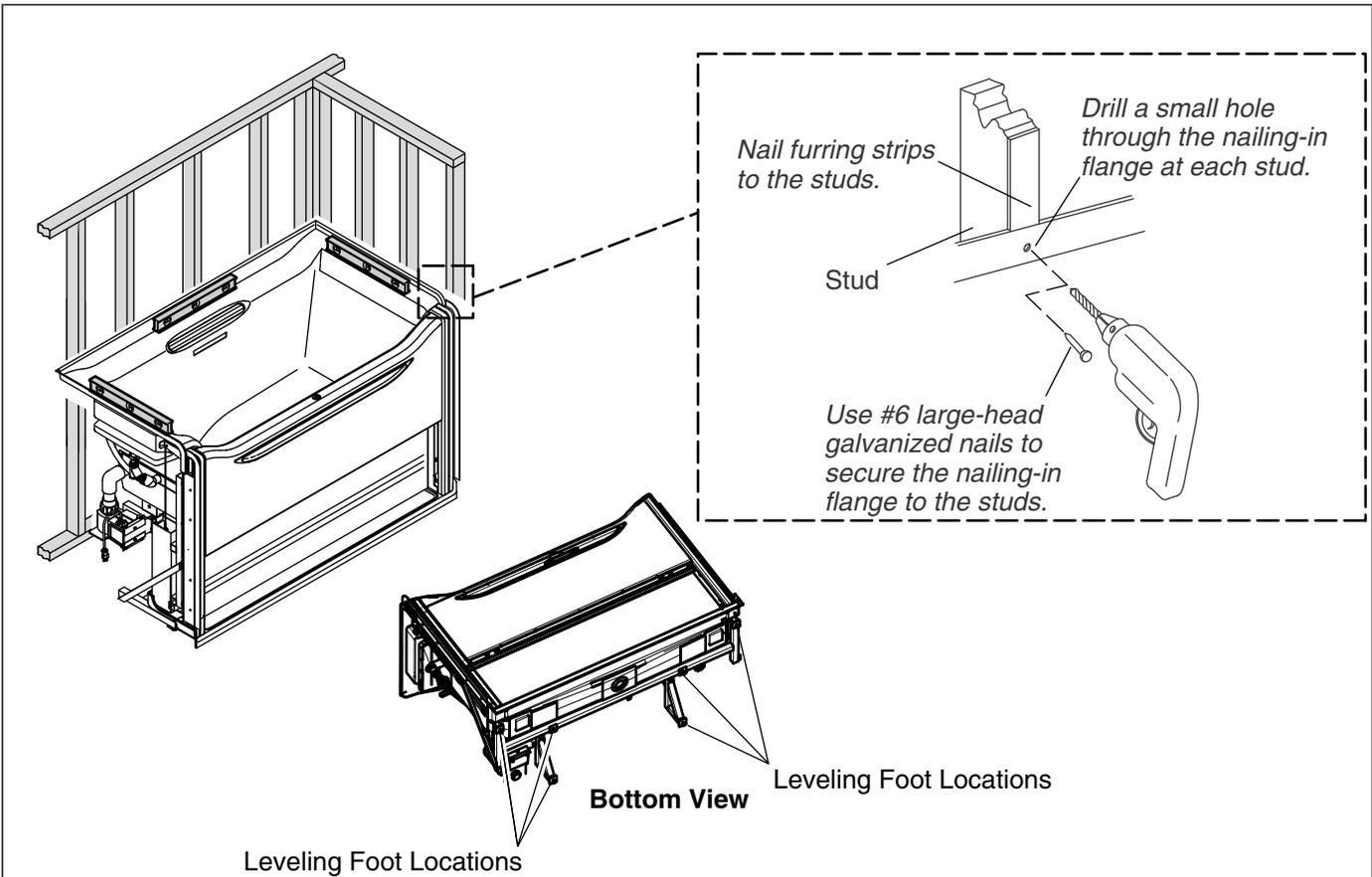
- Cover the area of the bathroom floor where the bath will be reassembled with protective material.
- Move the bath and support frame from the staging area to the installation area.
- If the bath was removed from the frame, carefully position and center the bath on the frame.

**Position the Bath (cont.)**

- Make sure each of the wood support feet are positioned correctly in the corresponding bracket, with the screw holes aligned.
- Secure each of the wood blocks to the brackets using the original screws and holes.

**Move the Bath Into the Stud Pocket**

- Install the outlet drain in the footwell to the bath following the instructions supplied with the drain.
- Move the assembled bath into the final installation position in the stud pocket.



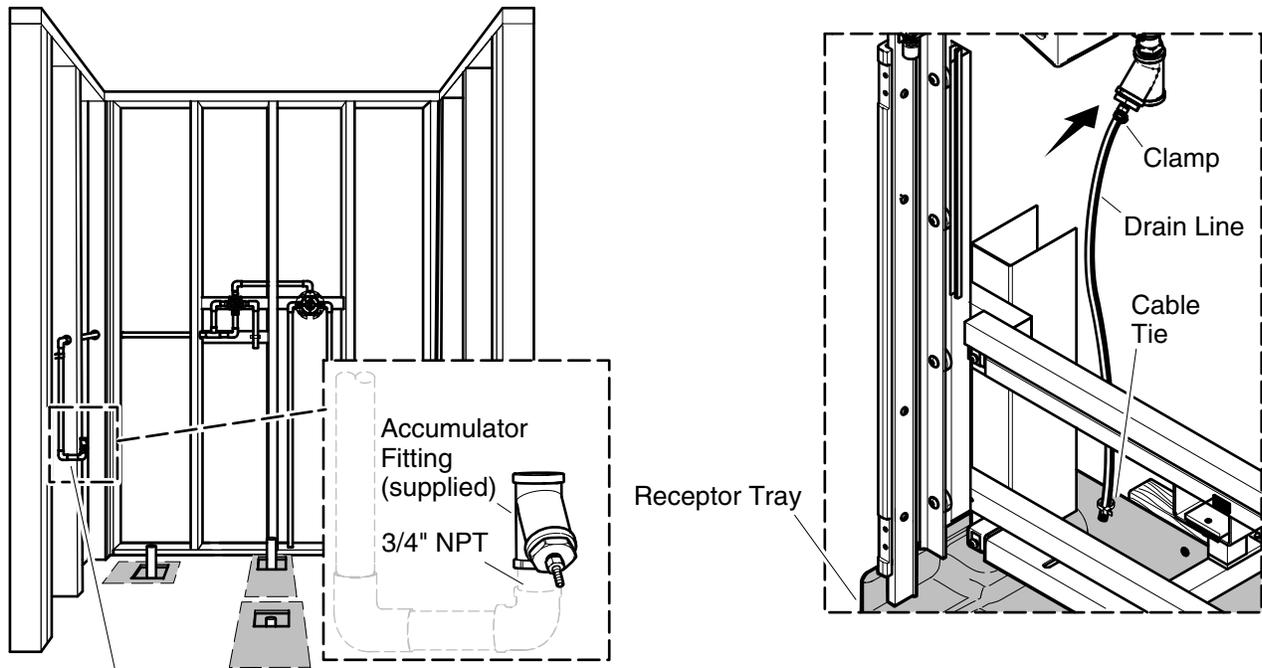
## 10. Level and Secure the Bath

### All Installations

**IMPORTANT!** Do not anchor the bath to the stud pocket until instructed to do so.

**IMPORTANT!** Do not level the bath with the counterweights installed. The counterweights and door assembly could cause the bath to shift, causing leveling to be incorrect.

- Install metal shims under each of the leveling feet to protect the floor.
- Check for level on the back edge and each side of the bath as shown.
- Adjust the leveling feet as needed to level the bath.
- Recheck for level.
- Repeat until the bath is level.
- Check each of the leveling feet and confirm they make firm contact with the metal shims and subfloor.
- Secure the bath to the studs with nails or screws, using the nailing-in flange.

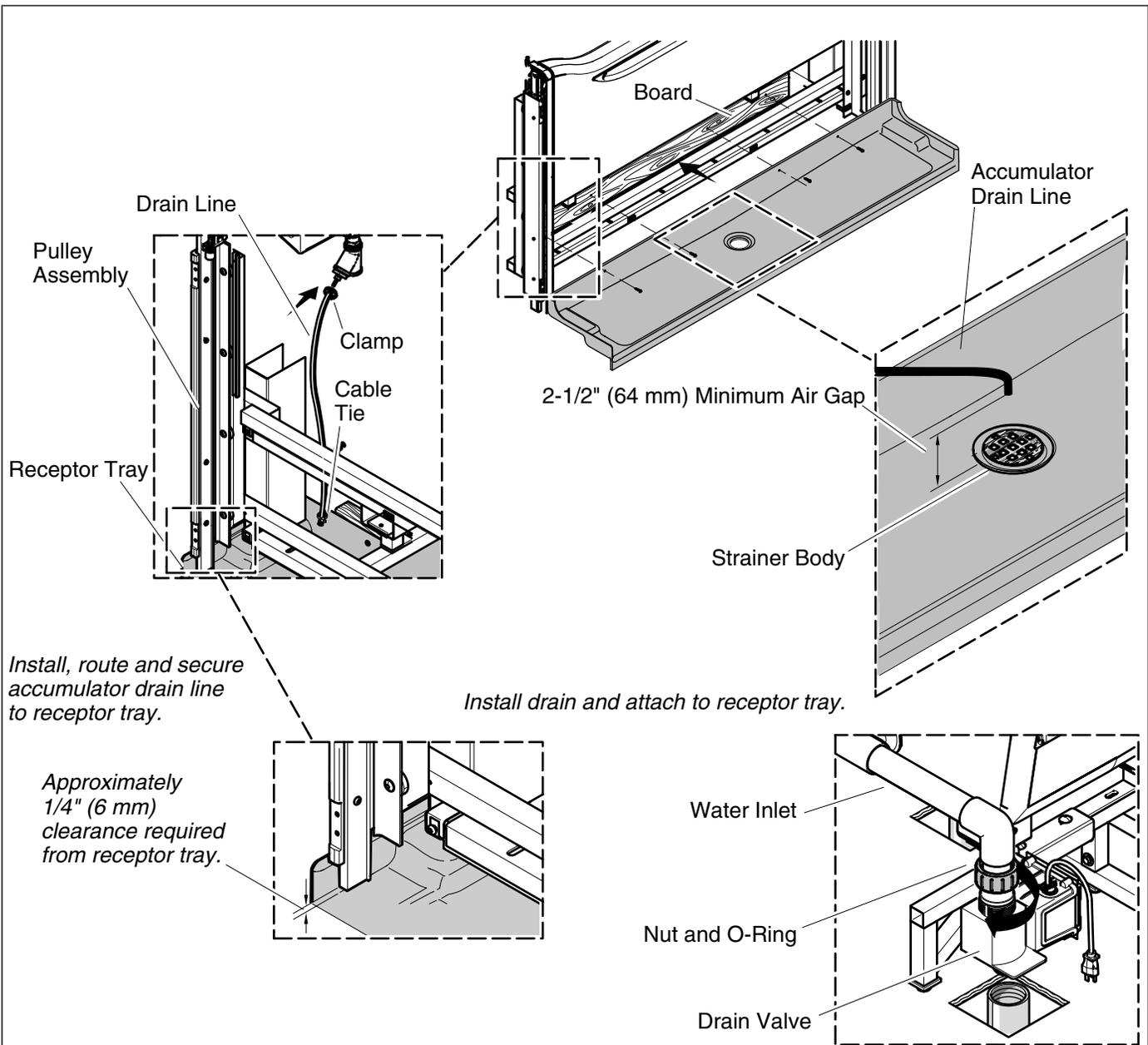


*Attach the water supply to accumulator.*

## 11. Attach the Water Supply to the Accumulator

### All Installations

- Attach the water supply line to the water accumulator at the inlet (3/4" NPT).
- Move the drain line out of the way if the receptor tray needs to be reinstalled.



*Install, route and secure accumulator drain line to receptor tray.*

*Install drain and attach to receptor tray.*

*Approximately 1/4" (6 mm) clearance required from receptor tray.*

Water Inlet  
Nut and O-Ring  
Drain Valve

## 12. Install the Receptor Tray, and Connect the Drains

### All Installations

- Install the drain to the receptor tray following the drain manufacturer's instructions.

### When Reassembling the Receptor:

**NOTE:** These steps are not required if the receptor tray was not removed in a previous step. If the receptor tray is already assembled, go to "All Installations" below.

- Carefully move the receptor tray into position, rotating it up and in.

Make sure the subfloor cutout is large enough to prevent any contact with the backside of the receptor at or near the drain.

- Reconnect the receptor tray to the frame using the existing holes and the screws that were removed previously.

### **Install the Receptor Tray, and Connect the Drains (cont.)**

- Dry fit the pulley assemblies and mounting brackets by aligning the holes.

**IMPORTANT!** Confirm the receptor tray and pulley assemblies do not contact each other. If the receptor tray and pulley assembly come in contact with each other, remove the receptor tray, remove any obstructions with the subfloor, and reposition the receptor tray as needed.

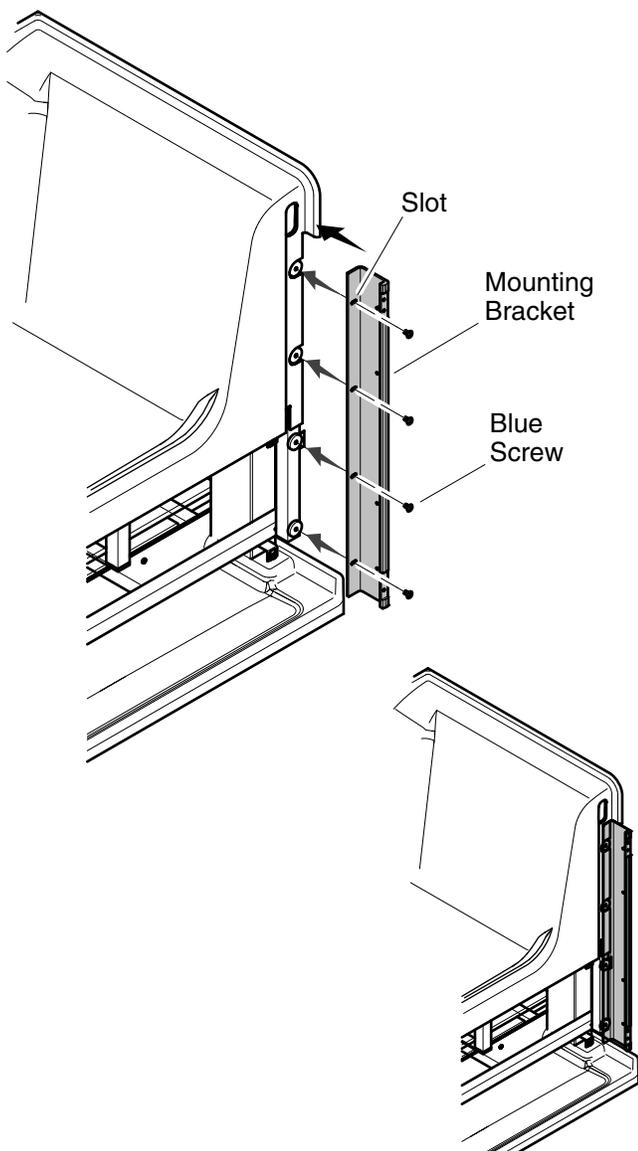
**IMPORTANT!** Cover the receptor tray with protective material to avoid damaging it.

#### **All Installations**

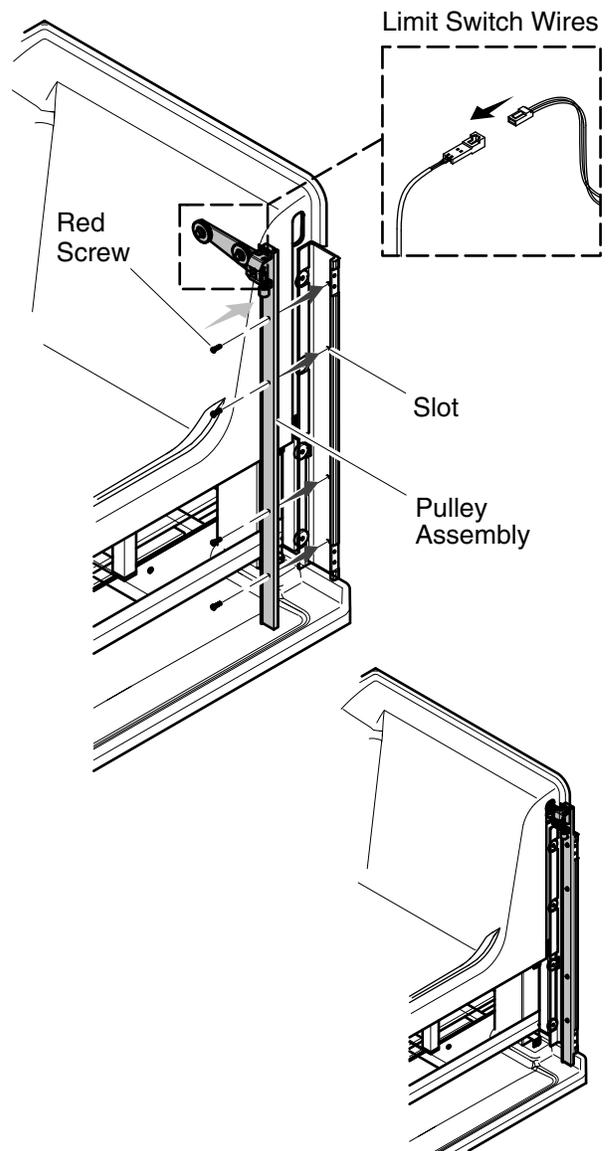
- Connect each of the three drains to their corresponding drain outlet. Each requires a 1-1/2" drain line. The drain valve connection requires a 1-1/2" NPS coupling (not provided).
- Route the accumulator drain line loosely through the cable tie attached to the receptor tray. Locate the outlet of the drain line directly over the drain, with a minimum 2-1/2" (64 mm) air gap (typically required by code) to protect against back siphoning.

**IMPORTANT!** Cover the receptor tray with protective material to avoid damaging it.

### Install Mounting Brackets



### Install Pulley Assemblies



## 13. Install the Mounting Brackets and Pulley Assemblies

### Installations Requiring Disassembly Only

**NOTE:** These steps are not required if the mounting brackets and pulley assemblies were not removed in a previous step. If the mounting brackets and pulley assemblies were not removed, proceed to the "Install the Door" section.

#### Install the Mounting Brackets

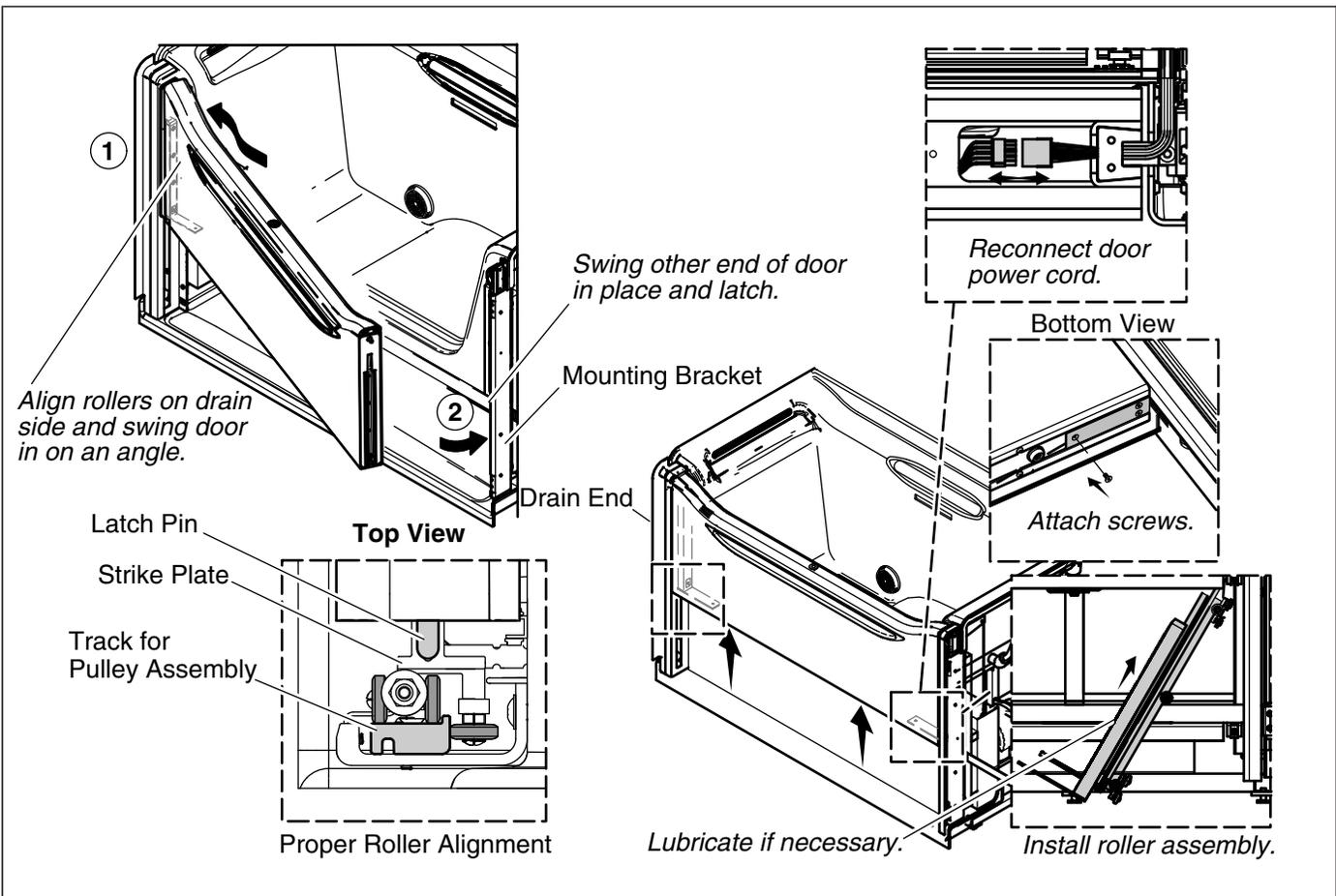
- Align a mounting bracket with the holes in the bath.
- Use the four previously removed blue screws to secure the mounting bracket to the bath.
- Adjust the mounting bracket so it is centered in the slots or out as far as the slots allow.
- Tighten the screws.
- Repeat with the second mounting bracket.

## **Install the Mounting Brackets and Pulley Assemblies (cont.)**

### **Install the Pulley Assemblies**

**NOTE:** Make sure each pulley assembly is located on the side it was originally installed on.

- Position a pulley assembly onto the mounting bracket.
- Align the mounting holes in the center of the slot.
- Secure the pulley assembly to the mounting bracket with the previously removed red screws.
- Repeat with the second pulley assembly.
- Reconnect the limit switch wires, making sure they do not interfere with the pulleys or cables as they move.

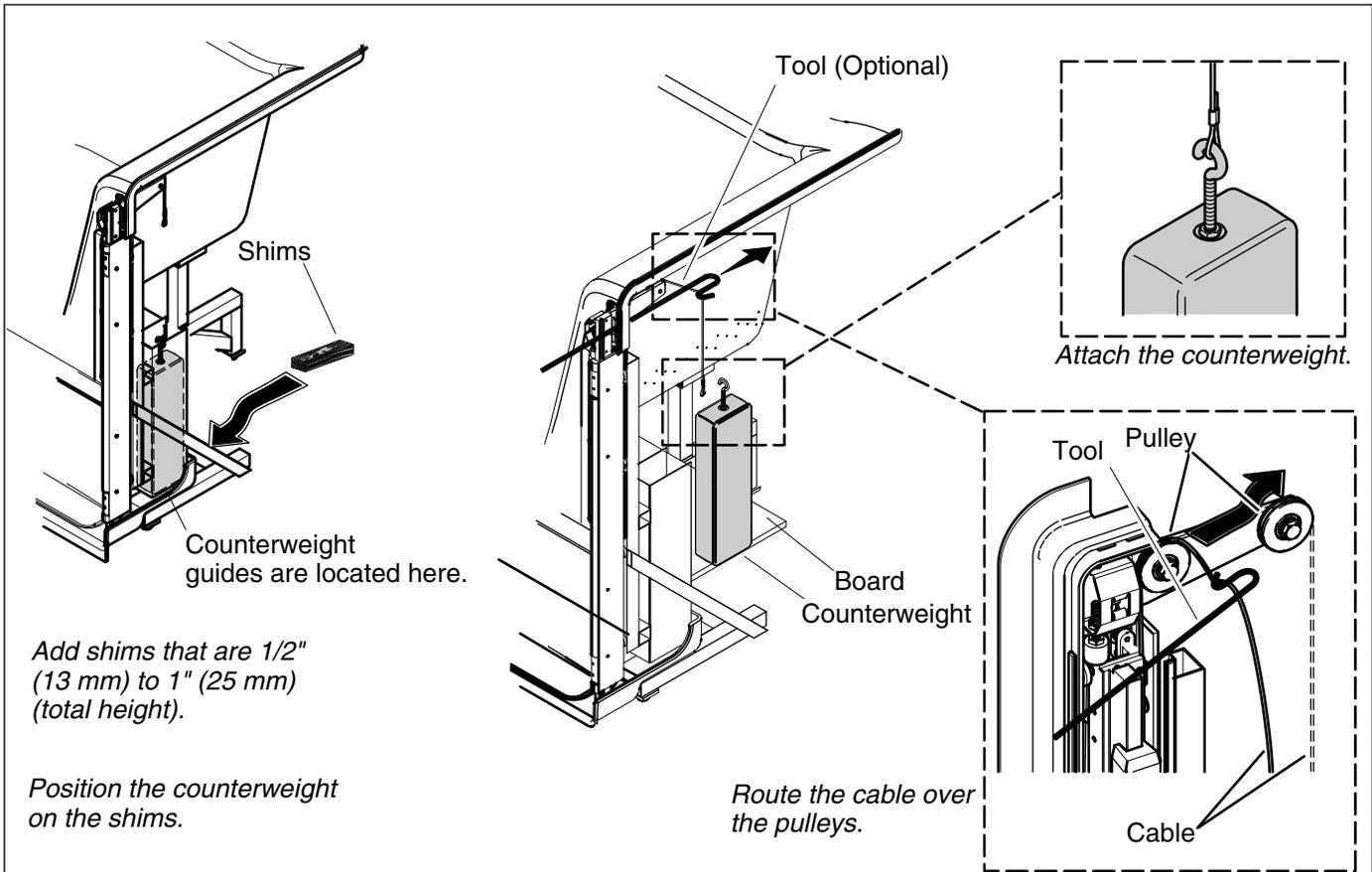


## 14. Install the Door

### Installations Requiring Reassembly Only

**NOTE:** These steps are not required if the door was not removed in a previous step. If the door was not removed, proceed to the "Attach the Counterweights" section.

- Align the door and rollers on the drain side of the bath.
- Pivot the other side of the door inward until the latch pins engage on both sides of the door.
- Have the second installer hold the door up and brace it with a 2x4 under the door, with the bottom end of the 2x4 positioned on the subfloor (**not** the receptor tray).
- Slide the roller assembly up and partially into the door from below, making sure to feed the door power cord back into the door.
- If the bracket was removed, reattach it to the roller assembly.
- Reconnect the power cord to the door, then slide the roller assembly all the way up into the door.
- If it is difficult to move the roller assembly into place, apply a small amount of lubricant to the faces of the roller assembly. If necessary loosen the blue mounting bracket screws on one or both sides. Retighten the blue screws when the roller assembly is in place.
- Reinstall the cover plate on the base of the door and secure with the screw(s) previously removed.



## 15. Attach the Counterweights

### All Installations



**CAUTION: Risk of crushing or pinching.** Take care when installing the pulley cable. If access is limited, use the tool supplied with the literature. Keep your fingers away from the pulleys while installing the cable if the tool is not used.

**IMPORTANT!** The door must be in the raised position while these steps are performed. Support the door with a 2x4 or have the second installer hold it in place until the counterweights are attached.

- Position extra protective material on the receptor tray under the counterweight guides.
- Position 1/2" (13 mm) to 1" (25 mm) high shims under each of the counterweight guides.
- On the drain side of the bath, carefully position a counterweight on shims aligned with the counterweight guide.
- On the side of the bath opposite the drain, carefully position the counterweight on the shims or the board, aligned with the counterweight guide.
- On each side, carefully run the pulley cable directly to the counterweights, making sure it does not interfere with the limit switch wires and door power cable.
- Attach the cables to the counterweights.

**NOTE:** If access to the side of the bath is limited, use the supplied tool to install the pulley cables.

- Position each pulley cable over both pulleys.
- On the drain side of the bath, remove the support shims and carefully lower the counterweights.
- On the side of the bath opposite the drain, remove the support shims and carefully lower the counterweights.

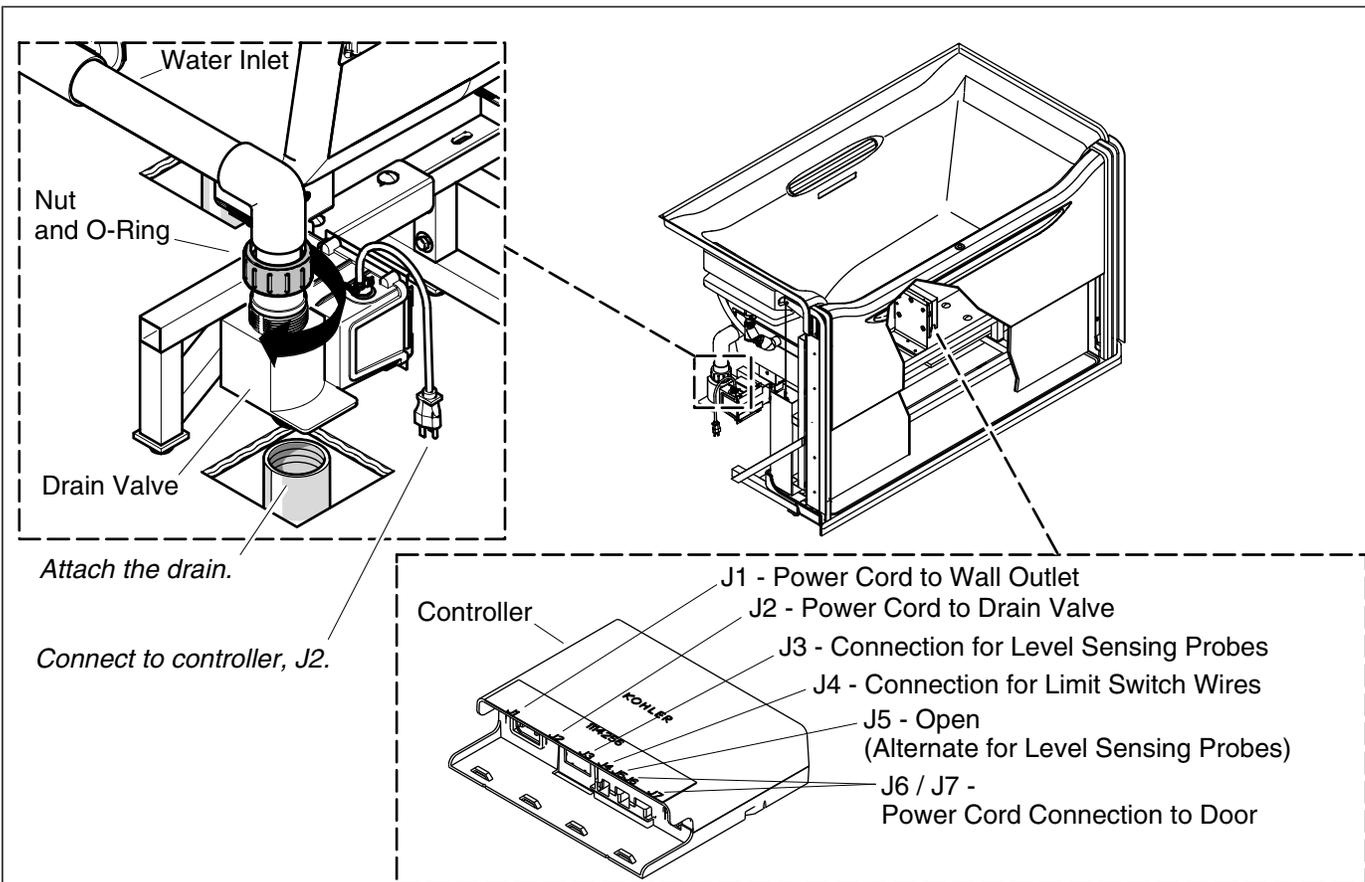
### **Attach the Counterweights (cont.)**

- Check to make sure the counterweights are freely suspended and do not come in contact with the receptor tray.
- Raise and lower the door several times.
- If the counterweights contact the receptor tray, make sure the cable is positioned over both pulleys.

**IMPORTANT!** The receptor tray and counterweights should not come in contact with one another. If they are in contact, first make sure the cable is positioned on both pulleys. Then check if the cutout is too small and the receptor tray is making contact with the subfloor. Remove the receptor tray, remove any obstructions with the subfloor, and reposition the receptor tray as needed.

### **Check Operation**

- Raise and lower the door several times.
- Make sure the wires do not contact the pulley cables.
- If the counterweights contact the receptor tray, make sure the cable is positioned over both pulleys.
- Make sure the counterweights function smoothly. They should not make any contact with the bath.
- If the counterweights make contact with the bath, check to make sure the bath is level. Adjust level as needed.



## 16. Connect the Components

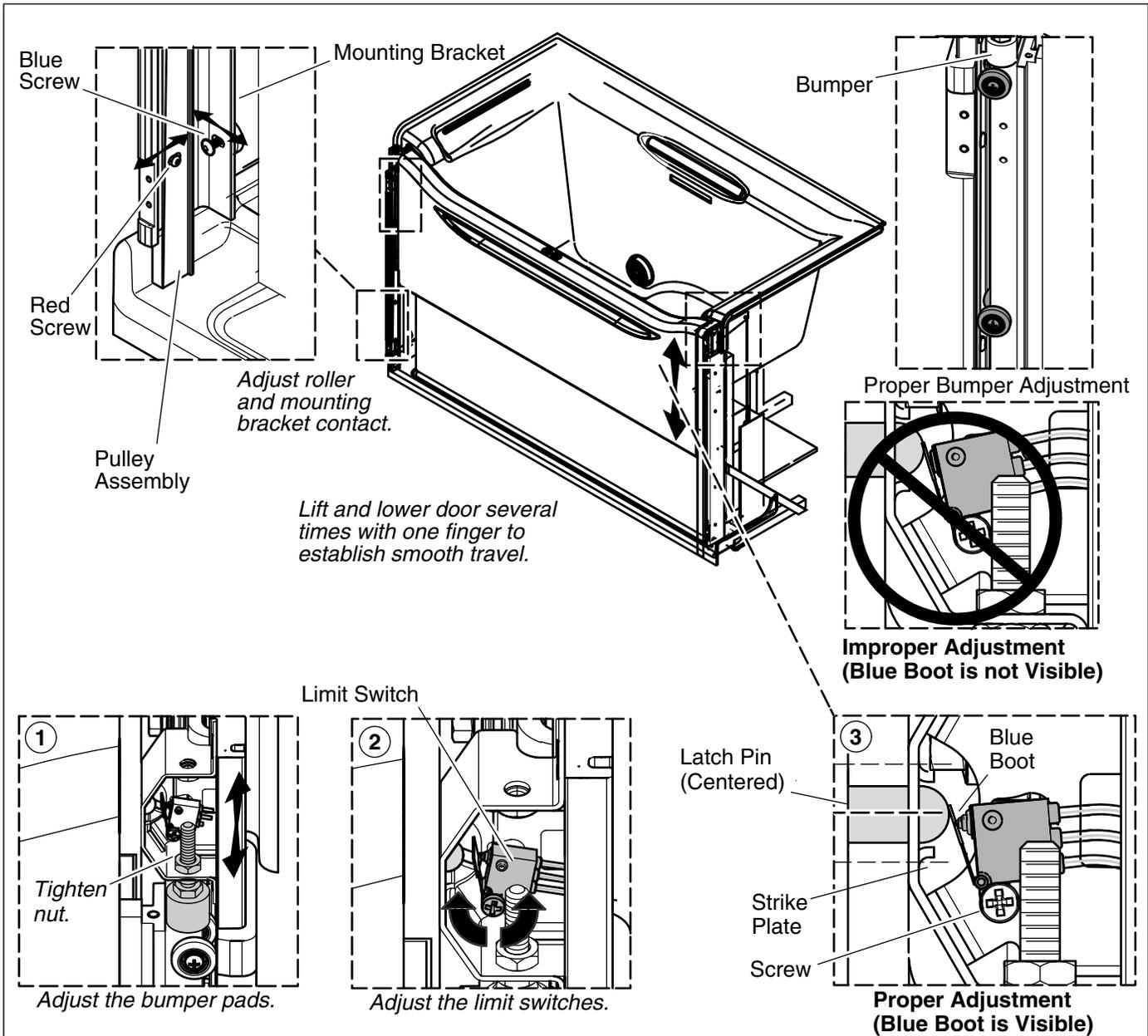
### All Installations

**NOTE:** Depending upon disassembly, some or all of these components may still be connected.

- Confirm the O-ring is in place and connect the water inlet to the drain valve by tightening the nut.
- Connect the drain valve power at controller J2. Do not plug the drain valve power cord into a receptacle other than J2.
- Connect the level sensing wires at controller J3.
- Connect the limit switches at controller J4.

**NOTE:** Port J5 should remain unused.

- Connect the door power at controllers J6 and J7.



## 17. Adjust the Bath Door

### All Installations

#### Check and Adjust the Door Movement

- Move the bath door up and down several times with one finger. Check for uneven movement, rubbing, or shaking.
- If the door shimmies or racks, adjust one or both of the mounting brackets inward using the blue screws and slots, until they are snug against the rollers.
- If the door shimmies more when it is fully lowered, adjust the bottom of each mounting bracket inward using the top screw as a pivot point.
- If the door shimmies more when it is fully raised, adjust the top of each mounting bracket inward using the bottom screw as a pivot point.

**NOTE:** When properly adjusted the door should move up and down using one finger.

### **Adjust the Bath Door (cont.)**

- If there is rubbing or contact between the bath and door, adjust the door outward using the red screws and the slots in the pulley assembly.

**NOTE:** Adjusting the pulley assembly outward reduces pressure on the seal by increasing the gap between the door and bath. Adjusting the pulley assembly inward increases the pressure on the seal by decreasing the gap.

- Repeat until the door operates smoothly.
- Make sure no wires come in contact with any moving parts, particularly when the door moves up and down. Sufficient clearance must be maintained to prevent damage to the wires.

### **Adjust the Latch Pin Alignment**

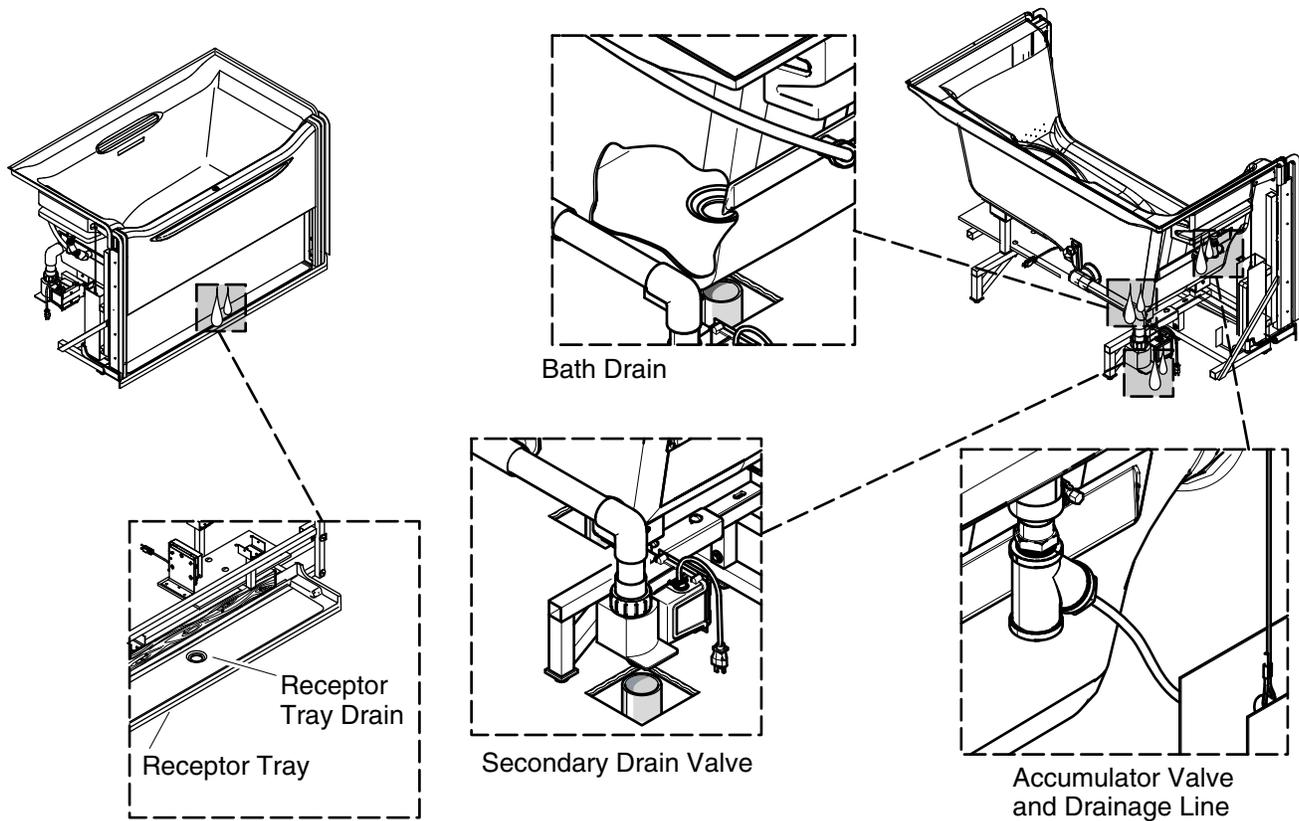
- Make sure the latch pins are centered in the strike plate on each side of the door when the door is latched. Refer to the "Proper Adjustment" diagram.
- To center the latch pin, adjust the top bumper on the side the adjustment is needed until the bumper contacts the roller assembly when the latch is centered in the strike plate.
- Tighten the bumper nut to secure the bumper into position.

### **Adjust the Limit Switch**

- Make sure the limit switch is properly adjusted. If the limit switch is properly positioned, the latch pin lightly contacts and compresses the boot. See the diagram labeled "Proper Adjustment" above.
- If adjustment is needed, loosen the screw.
- If the latch pin does not come in contact with the limit switch, tilt the limit switch forward until only one of the two blue boots is visible.
- If the latch pin compresses the blue boot too far, it can result in failure of the limit switch. Tilt the limit switch back until only one of the two blue boots is visible.
- When correct alignment has been achieved, tighten the screw.

### **Complete the Adjustments**

- Dry fit the trim caps and test the door for smooth operation (not shown; for additional information see "Install the Trim Caps and Access Panel"). The stud spacing should result in clearance between the edges of the door and the trim caps when they are mounted.
- Recheck the door movement, using one finger to move the door up and down. When properly adjusted the door should move up and down using one finger.
- Adjust the mounting bracket and/or pulley assemblies as needed.
- Repeat until the door operates smoothly.



## 18. Seal/Drain System Electrical Connections

### All Installations

This bath is designed to contain water, but small amounts of water will escape during normal operation.

### When the bath is functioning properly, you may see:

Water along the access panel or in the receptor tray, particularly after the seal deflates.

Water coming out of the accumulator drain tube and entering the receptor tray and receptor tray drain during and after filling the bath.

Some water going over the door seal and entering the receptor tray when the bather moves abruptly in a bath completely filled to the overflow.

A small amount of water temporarily dripping from the bottom of the door. This happens when water that runs over the top of the door seal enters the gap between the primary and secondary seals. The water follows the path to the lowest point and may drip into the receptor tray there until the water level stabilizes, at which point the dripping will stop.



**WARNING: Risk of electric shock.** Connect the controller to a properly grounded, grounding-type receptacle protected by a Ground-Fault Circuit-Interrupter (GFCI) or Residual Current Device (RCD). Do not remove the plug grounding pins. Do not use grounding adapters.

**NOTE:** The model number is printed on a label near the controller. This label also identifies the electrical rating.

**NOTE:** Refer to the "Heated Surface Electrical Connections (if equipped)" section if your product is equipped with the heated surface feature.

### Seal/Drain System Electrical Connections (cont.)

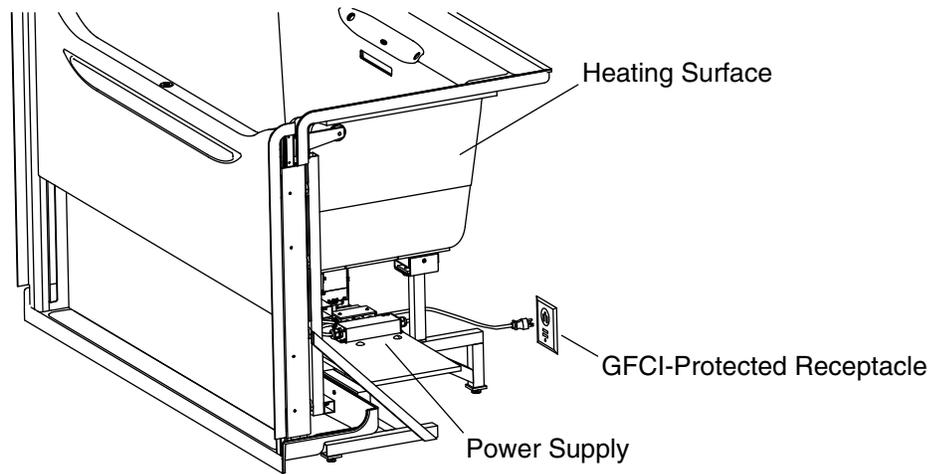
- Connect the controller power cord to a 120 V GFCI or RCD protected outlet and turn on the main power supply. If a UPS has been installed, connect the power following the directions supplied with the UPS.

**NOTE:** If any of the actions below fail to occur, consult the "Troubleshooting" section of this guide.

- Raise the door. Make sure the drain valve closes and the door inflates when the door latches.

**IMPORTANT!** Both limit switches must make contact for the drain valve to close and the seal to inflate. Do not over adjust.

- Adjust the limit switch to make steady contact with the latch pin if needed. Consult the "Adjust the Limit Switch" portion of the "Adjust the Bath Door" section for illustrations and instructions.
- Close the footwell floor drain and fill the bath with water to the overflow. Confirm the level probes in the bath are covered by water within 2 minutes of raising and latching the door. If not the door will open as a precautionary measure.
- Check for leaks. Pay particular attention to the area around the door. There should be no indication of leaking if no splashing or water movement is present.
- If leaking is observed, drain the bath and clean any debris off the seal. Test for leaks again.
- If leaking is still observed, adjust the door inward using the slots in the pulley assembly.
- Test again and continue these steps or consult the "Troubleshooting" section included in this document.
- Press the door switch and confirm that the drain valve opens. Open the footwell drain.
- When the water level falls below the level sensors in the footwell, confirm the seal has deflated.
- Squeeze the door handle and lower the door.



## 19. Heated Surface Electrical Connections (if equipped)

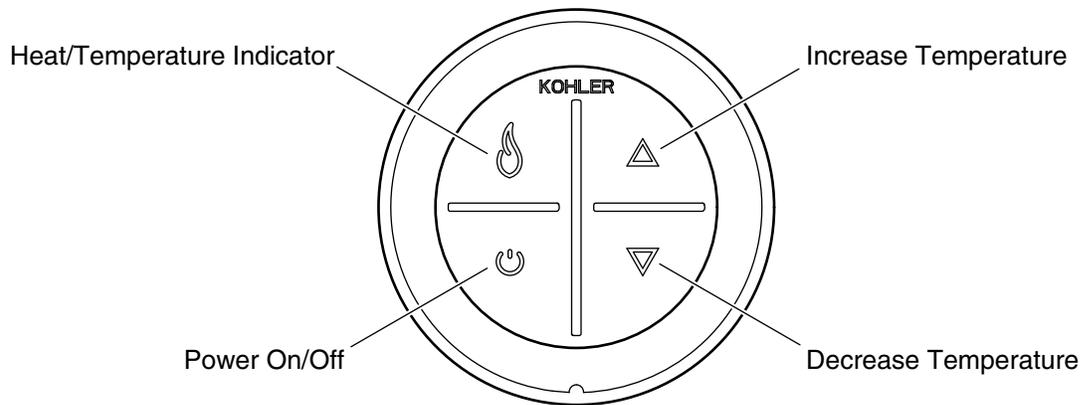


**WARNING: Risk of electric shock.** Connect the power supply to a properly grounded, grounding-type receptacle protected by a Ground-Fault Circuit-Interrupter (GFCI) or Residual Current Device (RCD). Do not remove the plug grounding pin. Do not use a grounding adapter.

- The heated surface feature is equipped with a cord and plug. The power supply has been wired at the factory. A qualified electrician must install a GFCI-protected, 120 V, 15 A, grounded outlet. Locate the outlet behind the bath and within 24" (610 mm) of the power supply.
- Plug the power supply into this outlet.

### Test the Heated Surface Feature

- Check all electrical connections and make sure the electrical power to the bath is on.
- Operate the heated surface user keypad to test the temperature settings.



## Confirm Heated Surface Operation (if equipped)

### Keypad Operation

- **Power Icon** - Turns the heater ON and OFF.
- **Heat/Temperature Indicator** - The [Flame] icon illuminates yellow, orange, or red depending on the heat level. Yellow indicates low heat, orange indicates medium heat, and red indicates high heat.
- **Up Arrow** - Increases the temperature.
- **Down Arrow** - Decreases the temperature.

**NOTICE:** The heater will remain on until it is manually turned OFF by pressing the [Power] icon.

**NOTE:** After 60 minutes of inactivity, the heater will automatically reset to low heat if the temperature was set to medium or high.

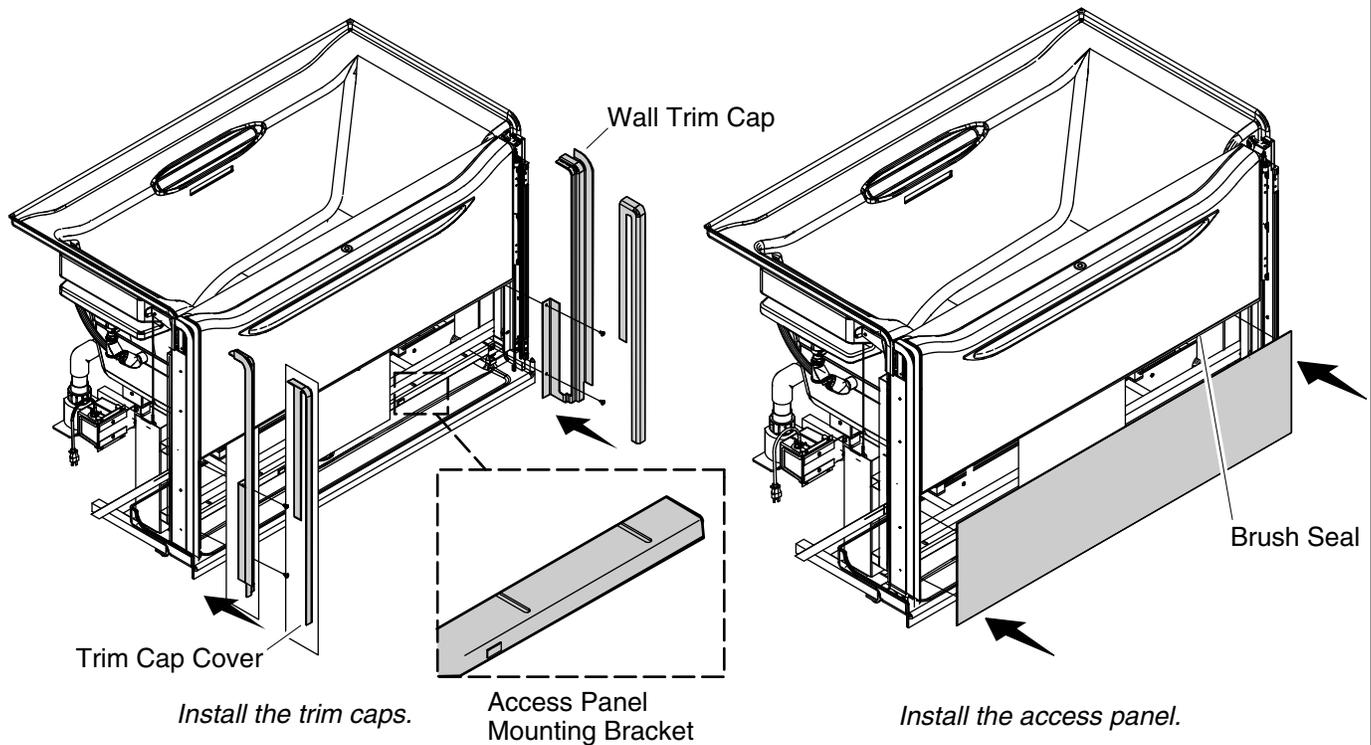
**NOTE:** The heater will turn on at the last selected temperature setting.

### Error Codes

- **Heat indicator blinking red** - The heater is not functioning.
- **Heat indicator blinking yellow** - The temperature sensor is not functioning or is loose.
- Refer to the "Troubleshooting" section to troubleshoot any problems.

### Confirm Heating System Operation

- Press the [Power] icon on the user keypad.
- Observe that the heat indicator turns yellow and the heater produces low heat.
- Press the [Up] arrow. Verify that the heat indicator turns orange and the temperature increases.
- Press the [Up] arrow a second time. Verify that the heat indicator turns red and the temperature increases.
- Press the [Down] arrow. Verify that the heat indicator turns orange and the temperature decreases.
- Press the [Down] arrow a second time. Verify that the heat indicator turns yellow and the temperature decreases.
- Press the [Power] icon to turn the heater OFF.



## 20. Install the Trim Caps and Access Panel

### All Installations

- Secure the wall trim caps to the studs.
- Align the wall trim cap nailing-in flange with the bath nailing-in flange.
- Secure the wall trim cap to the studs using nails or screws.
- Install the trim cap covers over the wall trim caps using the magnets and check for smooth operation.
- Attach the access panel using the attached fasteners. If the door contacts the access panel while being raised and lowered, go to "Optional Brush Seal Adjustments and Access Panel Bracket" below.

### Check Door Operation

- Recheck the door movement, using one finger to move the door up and down.
- When properly adjusted the door should move up and down using one finger.
- Adjust as needed ("Optional Brush Seal Adjustments and Access Panel Brackets").
- Repeat until the door operates smoothly.

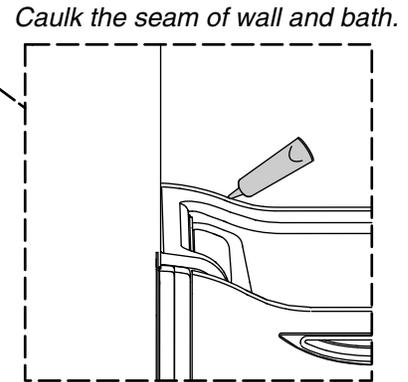
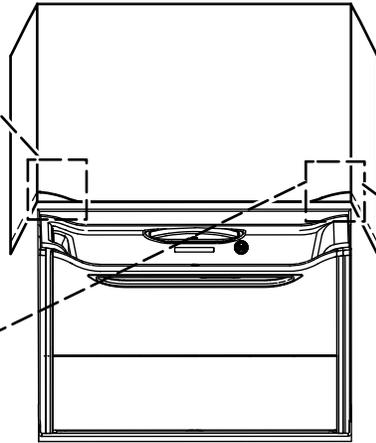
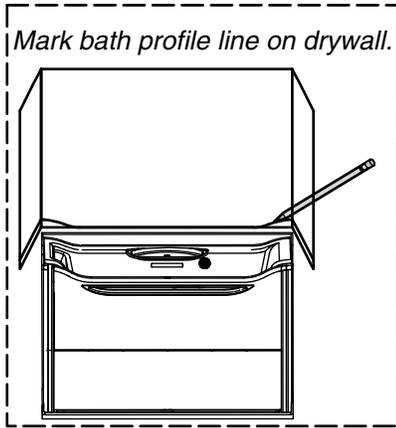
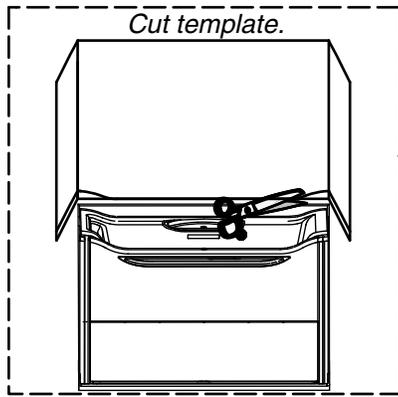
### Optional Brush Seal Adjustments and Access Panel Brackets

**NOTE:** The brush seal, located on the bottom of the door, is designed to disperse water released when the seal deflates, eliminating splashing beyond the receptor tray.

If the seal is adjusted incorrectly water may splash beyond the receptor tray or it may interfere with the access panel.

### **Install the Trim Caps and Access Panel (cont.)**

- Adjust the brush seal located on the underside of the door if needed. Loosen the screws slightly and slide it forward to eliminate contact with the access panel or back to eliminate splashing.
- Adjust the bottom slotted access panel bracket toward the back as needed to eliminate any contact between the brush seal and access panel as the door is raised and lowered.



## 21. Install the Finished Wall

### All Installations

- If you have not already done so, carefully remove any protective tape from the bath rim, access panel and trim caps.

**NOTE:** Use the provided template (if needed) to cut the bottom of the wall material to match the contour on the rear of the bath.

- Cover the framing with water-resistant wall material. Seal the joints between the bath rim edge and the water-resistant wall material with silicone sealant.
- Tape and mud the water-resistant wall material. Install the finished wall to the water-resistant wall material so it is 1/16" (2 mm) above the bath surface. Seal the joints between the bath rim and the finished wall material with silicone sealant.
- Install the faucet trim according to the instructions packed with the trim.

### Troubleshooting

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.

### Normal Operation Includes:

While filling the bath with water, some water is routed to the receptor tray and drain through the accumulator drain hose. It is normal to see or hear a trickle of water either during or immediately after filling. The accumulator is draining into the receptor tray.

## Troubleshooting (cont.)

It is normal to hear the compressor run for up to 90 seconds after the door is raised. The compressor is located inside the door and is inflating the door seal.

If the door is fully raised for more than 20 minutes when there is no water in the bath, the seals will automatically deflate.

It is normal to hear the solenoid valve, located inside the door, open and expel air when the water level falls below the sensors. The valve is deflating the door seal.

Water coming from the bottom of the door and entering the receptor tray is normal when it is caused by the bather moving about in the bath when it is completely full. Excessive splashing will cause water to run over the top of the inflated seals into the receptor tray.

Water dripping into the receptor tray as the seals deflate is normal. Water collects on the seal during use and falls into the receptor tray when the seals deflate.

## Troubleshooting the Bath System

Symptoms	Probable Causes	Recommended Action
1. Door is difficult to raise or lower.	A. One or both counterweights are not attached.	A. Reattach the counterweight(s).
	B. One or both of the counterweight cables are not fed through the pulleys.	B. Use the provided tool to run the counterweight cable onto the pulleys.
	C. The bath was not leveled properly, causing counterweights to rub or generate a noise.	C1. Level the bath.
		C2. Confirm the counterweights do not contact the receptor when the door is up. If there is contact the receptor drain is not low enough in the subfloor. Enlarge the drain cutout and lower the receptor or raise the bath using the adjustable feet.
	D. Mounting bracket is not adjusted properly.	D. Reduce the pressure on the door by adjusting the mounting brackets outward using the slots.
	E. Door is rubbing against the bath or access panel.	E1. Adjust the door outward using the slots in the pulley assembly.
		E2. Adjust the lower access panel bracket rearward using the slots.
E3. Adjust the brush seal under the door forward using the slots.		
F. A roller is damaged or has fallen off.	F. Replace the roller.	
G. There is excessive wear on the latch pin and/or strike plate.	G1. Apply a drop or two of oil to the face of the strike plate.	
	G2. Adjust the rubber bumper to center the latch pin in the strike plate opening when the door is raised.	
2. Door shimmies or shakes.	A. Mounting bracket needs adjustment.	A. Adjust one or both of the mounting brackets inward using the slots, until it is snug against the rollers.
3. Water is leaking/running from accumulator.	A. Normal operation. The accumulator is draining into the receptor.	A. See the "Normal Operation Includes" portion of the "Troubleshooting".

## Troubleshooting (cont.)

Symptoms	Probable Causes	Recommended Action	
	B. Water supply connection is loose or damaged.	B. Reseal the water inlet connections and/or reconnect them.	
	C. Accumulator fitting(s) are loose or disconnected.	C. Replace the accumulator connection fitting(s).	
	D. Accumulator drain hose is disconnected or leaks.	D. Reconnect or tighten the accumulator drain line connection and route it to the receptor drain.	
4. Bath will not fill all the way to overflow.	A. The water supply connection is loose or damaged.	A. Reseal the water inlet connections and reconnect them.	
	B. Toe tap drain does not close or is leaking.	B. Clean the toe tap assembly. Reseal and reattach the drain. Replace if needed.	
	C. No power to the bath controller.	C. Plug in both ends of the controller power cord or reset the breaker.	
	D. Error code in controller has been activated (beeping sound heard).		D1. Reset the controller. To do this; <ul style="list-style-type: none"> <li><input type="checkbox"/> lower the door</li> <li><input type="checkbox"/> quickly tap the door switch 5 times</li> <li><input type="checkbox"/> wait 3 seconds, then tap the switch 11 times within a 5 second span</li> <li><input type="checkbox"/> the controller should beep 3 to 5 times to indicate the issue has been resolved, then go quiet.</li> </ul>
			D2. If the error code is still activated or reoccurs, unplug the power and call the Customer Care Center using the information provided on the back page of this manual.
	E. Drain valve is not plugged into the controller (no power).	E. Plug the drain valve directly into the controller located under the bath.	
	F. One or both of the limit switches are not making contact or are damaged. <b>NOTE:</b> Never force the door downward with the seal inflated.		F1. Adjust the limit switch/switches until contact is made.
			F2. The limit switch/switches need to be replaced. Call the Customer Care Center using the information provided on the back page of this manual.
F3. Ensure the counterweights do not contact the receptor when the door is up. If there is contact the receptor drain is too high. Enlarge the receptor drain relief or raise the bath using the adjustable feet to eliminate the contact..			
G. Bath fill is too slow, or the drain valve and/or level probe circuit(s) are not working.		G1. Make sure the water level reaches the sensor probe within 2 minutes after closing the door. Increase the supply valve size and water flow.	
		G2. Check or replace the level probes and wiring to the controller.	
		G3. Replace the drain valve.	