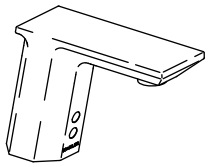
Installation Guide

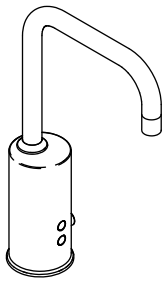
Touchless Bathroom Sink Faucet

K-13462, K-13463

K-13468, K-13469



K-13474, K-13475



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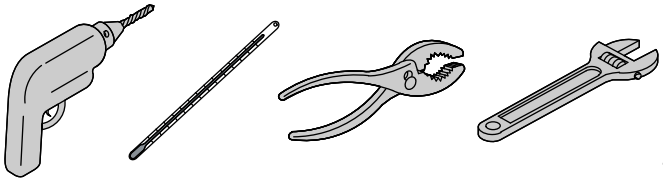
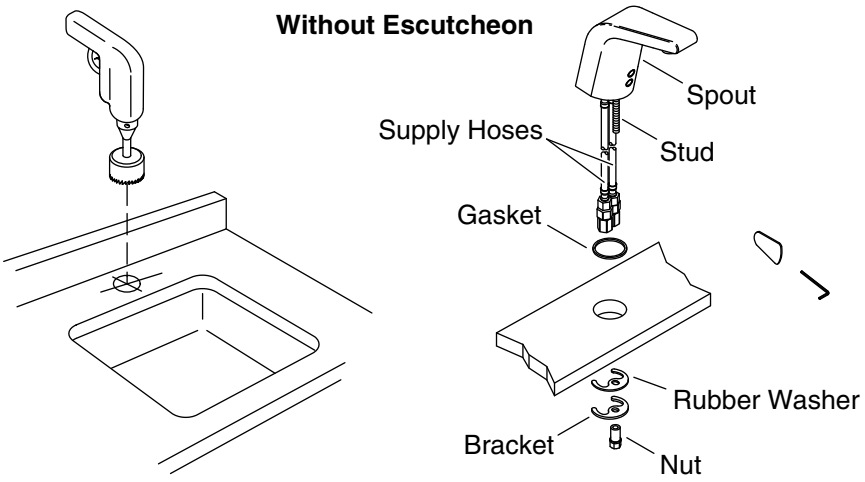
Tools and Materials



1-1/4" to 1-1/2"
Hole Bit

Before You Begin

- ☐ Observe all local plumbing and building codes.
- ☐ Shut off the main water supply.
- ☐ This faucet is for use on a single-hole bathroom sink.
- ☐ For new installations, install the faucet and drain to the sink before installing the sink.
- ☐ The faucet shown in this guide may differ from your actual product. The installation steps still apply.
- ☐ In order for this faucet to function properly, install the faucet so the sensor points directly toward the user.
- ☐ The faucet is rated at 6 V DC 1 W and is operated by an external AC power supply (not supplied).
- ☐ Kohler Co. reserves the right to make revisions in the design of faucets without notice, as specified in the Price Book.



1. Faucet Installation

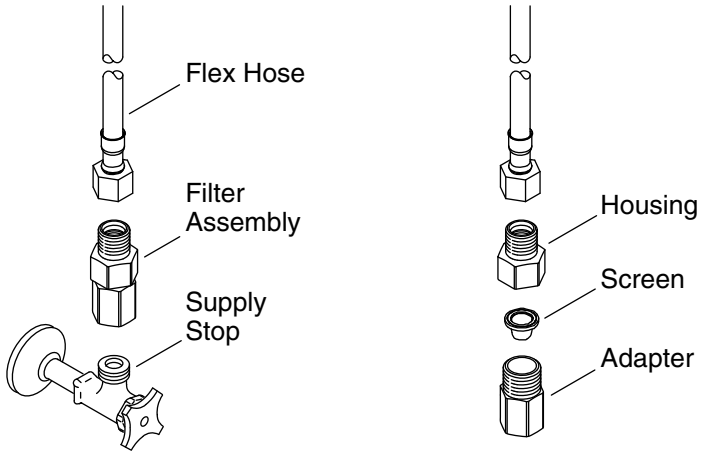
Prepare the Site

NOTE: Before drilling the mounting hole, use the following provisions for proper placement: (1) A 1-1/4″ (32 mm) minimum to 1-1/2″ (38 mm) maximum diameter mounting hole is required. **(2)** A minimum distance of 1-3/4″ (44 mm) is required between the back of the spout and the wall to allow access to the screw. **(3)** A 1-1/8″ (29 mm) maximum distance is required between the sink bowl edge and the base of the spout.

- ☐ Determine the mounting hole location.
- ☐ Drill a hole through the mounting surface according to the surface manufacturer's instructions.

Install the Faucet

- ☐ Install the stud to the underside of the faucet.
- ☐ Slide the gasket over the flexible hoses and stud, then seat the gasket in the groove on the underside of the spout.
- ☐ Insert the spout with flexible hoses and stud through the mounting hole.
- ☐ From under the sink, slide the rubber washer and bracket onto the stud.
- ☐ Thread the nut onto the stud to secure the faucet to the mounting surface.



2. Supply Connections

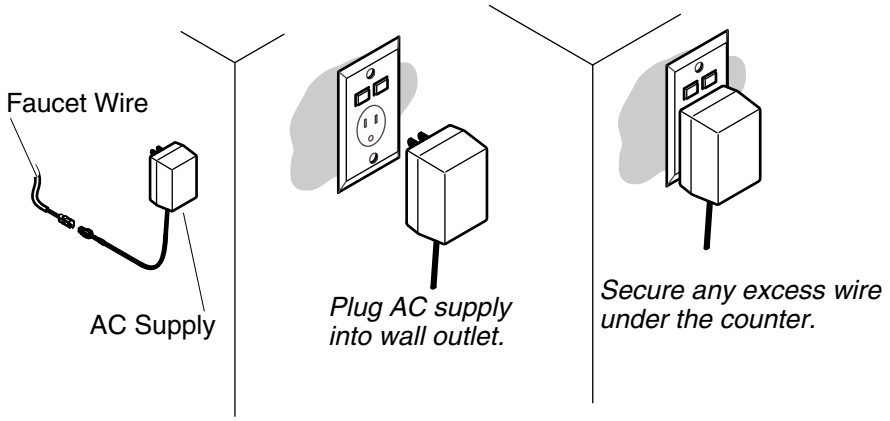
Connect the Filter Assembly

- ☐ Turn on the water and flush water through the supply stops into a bucket.
- ☐ Turn off the water.
- ☐ Remove the filter assemblies from supply hoses. Then thread a filter assembly onto each supply stop.

Connect the Supplies

- ☐ Connect the left supply hose to the filter assembly on the hot supply stop.
- ☐ Connect the right supply hose to the filter assembly on the cold supply stop.
- ☐ Tighten the connections with a small adjustable wrench.
- ☐ Turn on the water and flush the faucet by activating it.

NOTE: For optimum performance, clean your filter screens periodically. Refer to the Maintenance Guide.



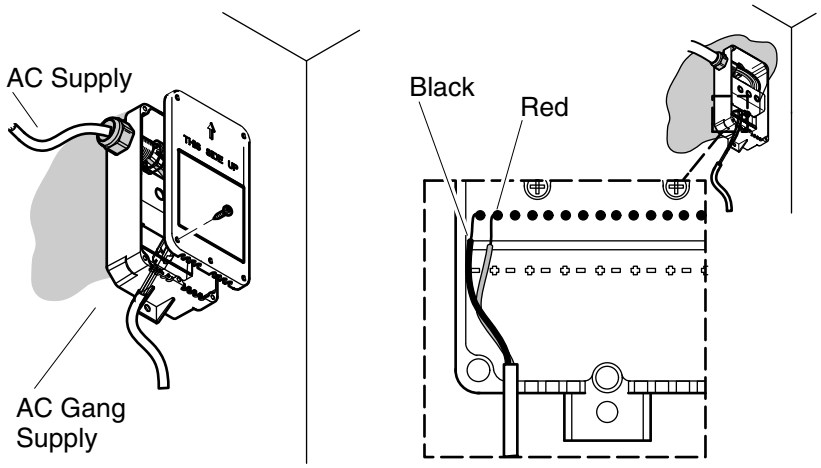
3. Install the AC Supply

Single Faucet Installations

- ☐ Connect the faucet wire to the AC supply.
- ☐ Plug the AC supply into the wall outlet.
- ☐ Secure the excess wire under the counter.

IMPORTANT! The area in front of the sensor must be free of objects during the two minute learning cycle or the faucet may not function properly.

- ☐ Allow two minutes for the sensor to cycle through the automatic sensing distance.



4. Install AC Multi-Output Supply

Multiple Faucet Installations

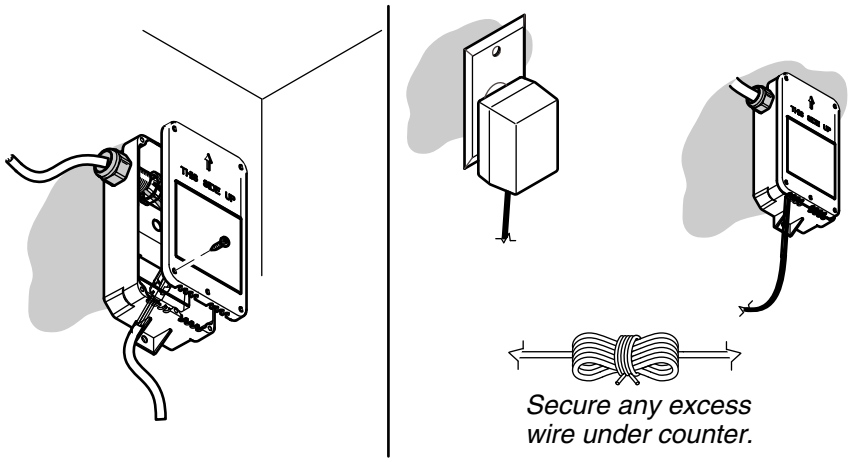
- ☐ Mount the AC supply under the counter using two (not supplied) screws. Orient as shown.
- ☐ Remove the cover.
- ☐ Connect the faucet wire to the faucet.
- ☐ If needed, cut and strip the AC supply wires to length.
- ☐ Connect the stripped ends to the bottom terminal block (TB2) in the supply box.

NOTE: If a hard wired installation is required, go to the next installation section.

- ☐ Plug the AC supply into the wall outlet.
- ☐ Secure any excess wire under the counter.

IMPORTANT! The area in front of the sensor must be free of objects during the two minute learning cycle or the faucet may not function properly.

- ☐ Allow two minutes for the sensor to cycle through the automatic sensing distance.



Secure any excess wire under counter.

5. Hard Wire Installation

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

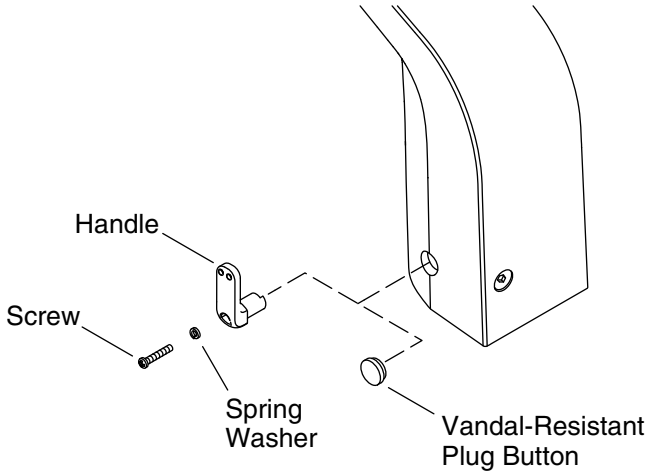
- ☐ Loosen the terminal block screws and remove the wires from the top terminal block.
- ☐ Loosen the outside nut of the strain relief and remove the power cord.
- ☐ Put the supply wires through the strain relief and connect to the top terminal block.

NOTE: If a hard wired installation is required, the strain relief may need to be replaced depending on wire used.

- ☐ Tighten the nut on the strain relief.
- ☐ Replace the cover, and install and tighten the five screws.
- ☐ Turn on the AC supply power.
- ☐ Secure any extra wire under the counter.

IMPORTANT! The area in front of the sensor must be free of objects during the two minute learning cycle or the faucet may not function properly.

- ☐ Allow two minutes for the sensor to cycle through the automatic sensing distance.



6. Optional Temperature Limiting Adjustment

CAUTION: Risk of personal injury. Scalding may result if the temperature limit is not properly set.

NOTE: The water temperature does not need to be adjusted if the water temperature is below 105°F (41°C).

NOTE: Use a thermometer rated for 120°F (49°C) or greater.

NOTE: When using a tempered water supply, install the vandal-resistant plug button.

Adjust the Water Temperature Limit – Handle Installations

- ☐ Turn on the water and adjust to full hot by turning the handle toward the back of the faucet until it stops.
- ☐ Determine the temperature using a thermometer. If the temperature exceeds 105°F (41°C), complete the following steps.

NOTICE: Do not rotate the handle when removing the screw.

- ☐ Using the 2.5 mm hex wrench provided, remove and retain the handle screw.
- ☐ Remove and retain the handle with the spring washer.

Optional Temperature Limiting Adjustment (cont.)

- ☐ Insert the handle at the desired maximum temperature. **If the handle is inserted horizontally:** This is the maximum hot temperature, where the water will be the same temperature as the water from the hot water supply. **If the handle is inserted vertically (shown):** This is the maximum cold temperature, where the water will be the same temperature as the water from the cold water supply.

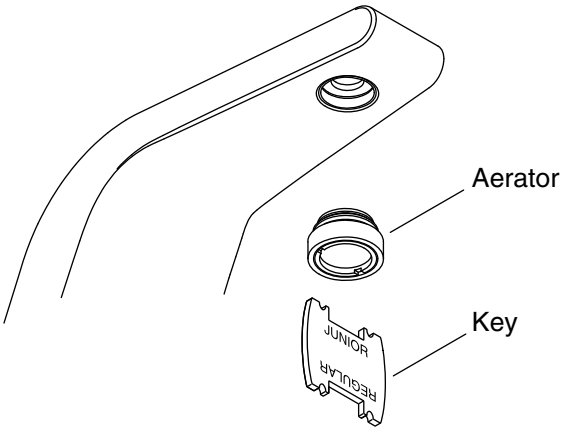
NOTICE: Do not rotate the handle when reinstalling the screw.

- ☐ Reinstall the spring washer into the handle, then attach the handle to the faucet.
- ☐ Secure the handle to the faucet with the screw.

Adjust the Water Temperature Limit – Vandal-Resistant Installations

NOTE: If you install the vandal-resistant plug button, save the handle to adjust the water temperature at a later date.

- ☐ Using the handle, adjust the water to the desired temperature.
- ☐ Using the 2.5 mm hex wrench provided, remove and retain the screw, spring washer, and handle.
- ☐ Position the vandal-resistant plug button and firmly press into place.



7. Installation Checkout

- ☐ Connect the drain tailpiece to the P-trap.
- ☐ Using the key provided, remove the aerator from the spout.
- ☐ If applicable, uncover the drain.
- ☐ Turn on the main water supply and check for leaks. Adjust as needed.
- ☐ Allow the water to run through the spout for about 1 minute to remove any debris. Check for leaks and adjust as needed.
- ☐ Temporarily cover the sensors on the faucet or close the water supplies.
- ☐ Using the key provided, reinstall the aerator to the spout.
- ☐ Uncover the sensors on the faucet or turn on the water supplies.

Troubleshooting

Symptoms	Probable Causes	Recommended Action
1. No water flow.	**A.** Filter is plugged.	**A.** Clean or replace the filter.
	B. Sensor eyes are dirty.	**B.** Wipe the sensor eyes with a damp soft cloth. Wipe dry with a dry soft cloth.

Troubleshooting (cont.)		
Symptoms	**Probable Causes**	**Recommended Action**
	C. Water not turned on.	**C.** Verify that the water supply is turned on and that pressure is at least 20 psi (137 kPa).
	D. Incorrect installation.	**D.** Verify that the faucet is mounted as instructed in the installation guide. Ensure that the sensor eyes are above the rim of the sink. Refer to the installation instructions.
	E. The aerator is plugged.	**E.** Remove and clean the aerator. For calcium/mineral deposits, soak the plastic insert in a 50:50 mix of water and vinegar. Soak only the plastic insert.
	F. Sensor eyes are scratched.	**F.** Replace the sensor assembly.
	G. A flex hose is kinked.	**G.** Check the flex hoses to make certain they are not kinked. If a flex hose is kinked, disconnect it, straighten, and reconnect.
	H. Power was interrupted.	**H.** Wait 2 minutes after power is restored as the sensor cycles through the automatic sensing distance.
	I. Battery life expired.	**I.** Replace the power supply.
	J. Bleed hole in diaphragm is plugged or debris exists on the seal.	**J.** Clean or replace the diaphragm.
	K. Solenoid is not working.	**K.** Order a new solenoid service kit.
2. Low flow.	**A.** Filter is plugged.	**A.** Clean or replace the filter.
	B. Supply pressure is low.	**B.** Check incoming water pressure. Pressure should be at least 20 psi (137 kPa).
	C. Aerator is plugged.	**C.** Remove the aerator and clean it. For calcium/mineral deposits, soak the aerator plastic insert in a 50:50 mixture of vinegar and water. Soak only the insert and no other components.

Troubleshooting (cont.)

Symptoms	Probable Causes	Recommended Action
3. Constant water flow.	**A.** Filter is plugged.	**A.** Clean or replace the filter.
	B. Diaphragm seal is damaged or dirty.	**B.** If the diaphragm is cut or torn, order a new diaphragm assembly. Clean or replace the diaphragm.
	C. Solenoid is not working.	**C.** Order and install a new solenoid assembly.
4. Sporadic water flow.	**A.** The faucet is angled incorrectly to deck or misaligned with user area.	**A.** Verify that the faucet is mounted according to the installation directions. Ensure that the faucet is installed in a position that is above the rim of the sink.
	B. The wires are pinched or damaged.	**B.** Remove the spout and verify that the wires are tucked inside the spout before reassembling.
5. Sensor flashes once approximately every 2 seconds. The product continues to operate.	**A.** Low voltage.	**A.** Replace the power supply.
6. Sensor flashes once approximately every 2 seconds. The product does not operate.	**A.** Low voltage.	**A.** Replace the power supply.