



a Geberit company

EQ Series Repair Part Installation Instructions

Overview

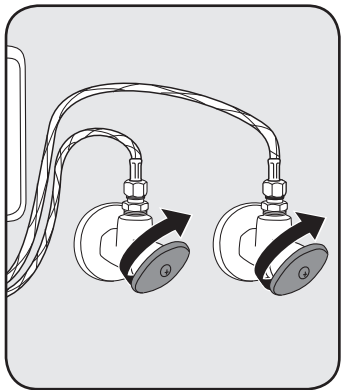
Chicago Faucets EQ Series faucets feature three designs in two finishes with heavy-duty cast brass spouts and high-quality electronic components. Download installation instructions at www.chicagofaucets.com.

NOTE: The information in this manual is subject to change without notice.

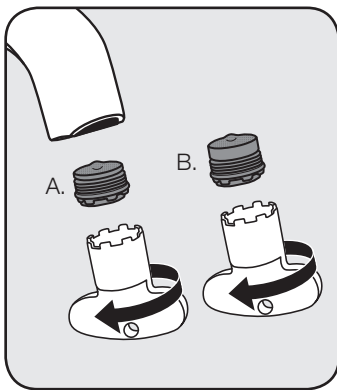
Installation may be performed at different times of construction by different individuals. For this reason, these instructions should be left on-site with the facility or maintenance manager.

Replacing 0.5 GPM and 1.0 GPM Outlets

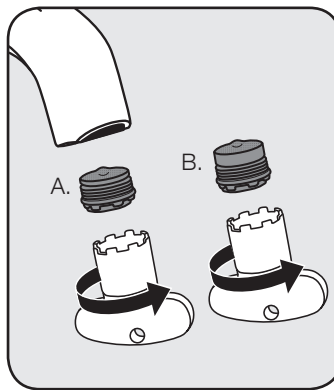
243.145.AB.1, 243.146.AB.1



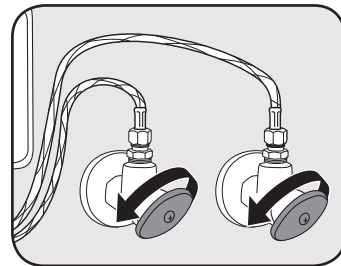
1. Shut off water.



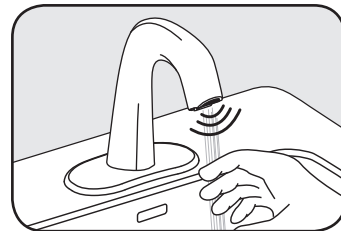
2. Use key to remove outlet.
A. 243.145.AB.1 – 0.5 GPM
(short outlet with green
screen insert)
B. 243.146.AB.1 – 1.0 GPM
(long outlet with blue
screen insert)



3. Use key to install outlet.
A. 243.145.AB.1 – 0.5 GPM
(short outlet with green
screen insert)
B. 243.146.AB.1 – 1.0 GPM
(long outlet with blue
screen insert)



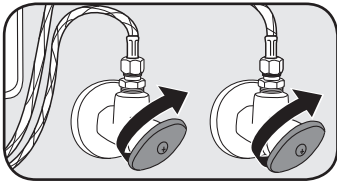
4. Open the supply stops and
check for leaks. Note: water
may run through spout.



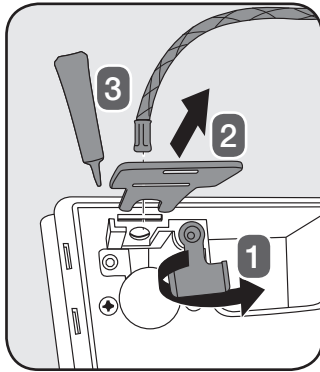
5. Place hands in front of faucet.
The faucet should activate and
water should flow from spout.

Replacing O-Ring Seals for All Hoses, Check Valves, Filter Screens, Hose Retaining Keys

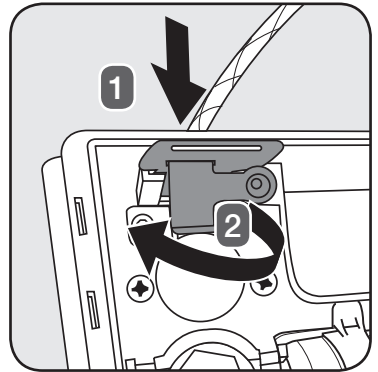
243.157.AB.1, 243.158.00.1, 243.159.AB.1, 243.150.AB.1



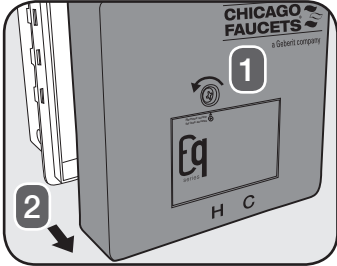
1. Shut off water.



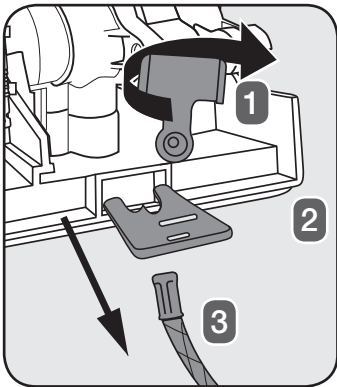
3. Pivot the yellow locking tab and remove the metal key at the top of the control box. Remove spout hose. Change and apply a silicone-based lubricant to the O-Ring.



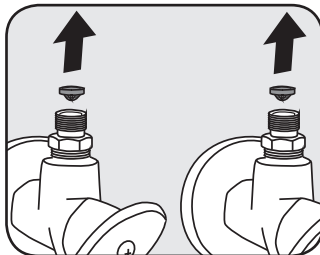
4. Be sure to seat the hose firmly before reinstalling the metal key and securing it with the yellow locking tab.



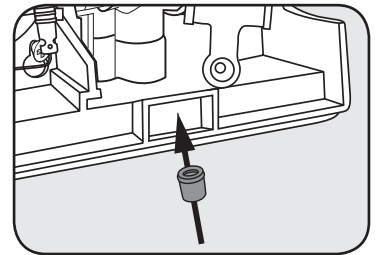
2. Loosen the cover screw with #2 Phillips screwdriver and remove control box cover.



5. Pivot the yellow locking tab and remove the metal key at the bottom of the control box. Remove hose(s).



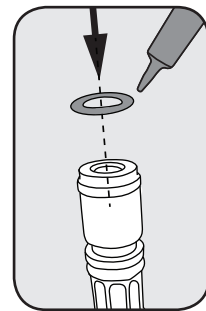
6. Remove supply hose(s) and filter screen gaskets from supply stop(s).



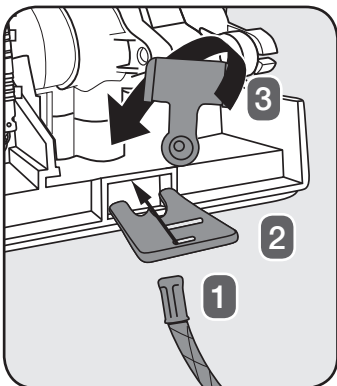
8. Replace check valves – note orientation!



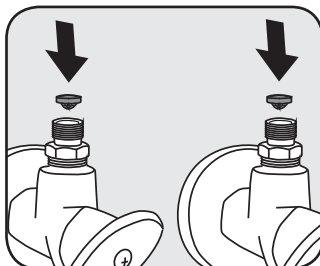
7. Remove check valves with needle nose pliers.



9. Replace Hose O-Ring(s) and apply a silicone-based lubricant to the O-Ring.

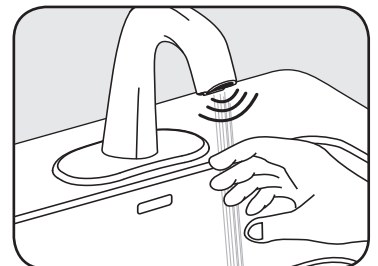


10. Reinstall hose(s) firmly into control box, insert metal key and pivot yellow locking tab to keep key in place.

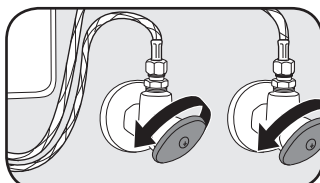


11. Attach supply hose(s) and insert the filter screen gaskets into the supply stops.

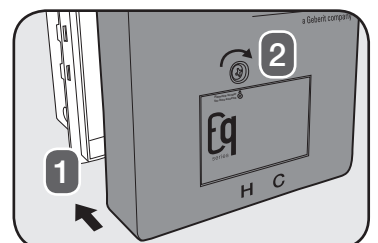
IMPORTANT: the filter screen gaskets seal the connection against leaks and must be installed as shown.



13. Check operation of faucet by putting hand in front of sensor. Water should flow. If not, contact 1-800-TEC-TRUE or visit www.eqfaucets.com/troubleshooting.



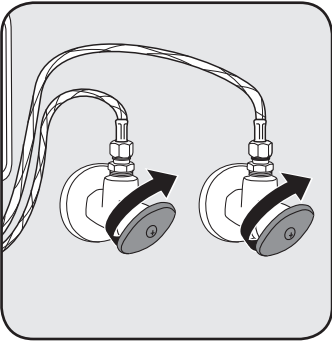
12. Open the supply stops and check for leaks. Note: water may run through spout.



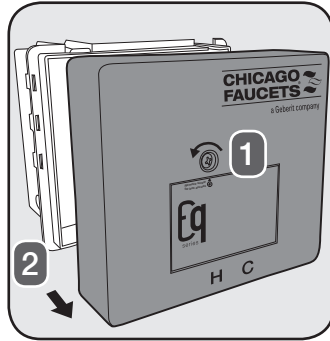
14. If all is good, reinstall the control box cover and secure it with the #2 Phillips screw.

Steps to Replace Solenoid Cartridge Valve

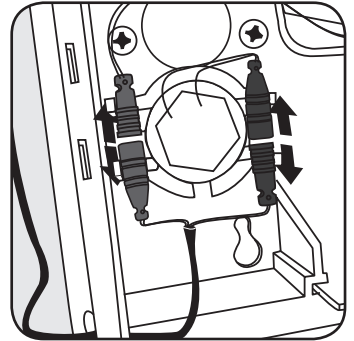
243.152.AB.1



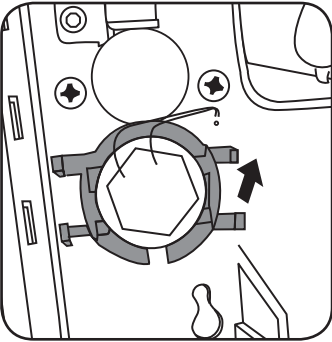
1. Shut off water.



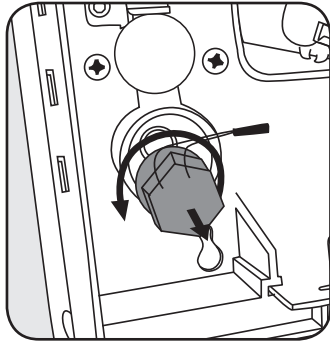
2. Loosen the cover screw with #2 Phillips screwdriver and remove control box cover.



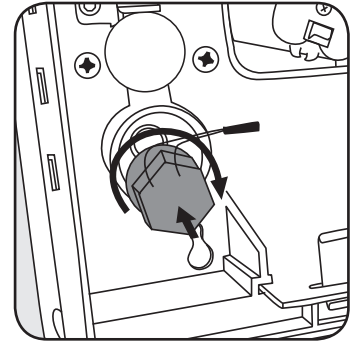
3. Disconnect power and solenoid.



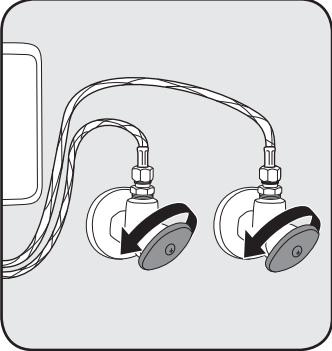
4. Remove yellow connector holder.



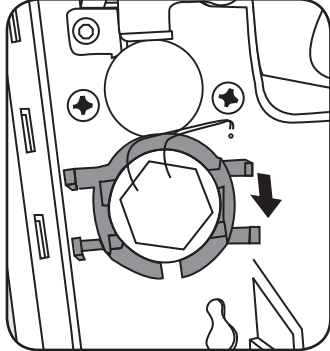
5. Unscrew and remove solenoid.



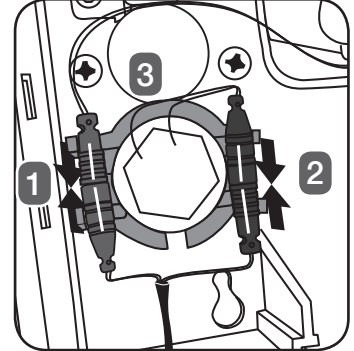
6. Install new solenoid. Hand tighten.



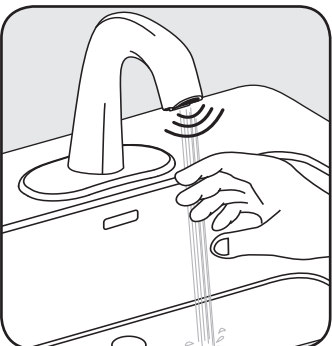
7. Open the supply stops and check for leaks. Note: water may run through spout.



8. Reinstall yellow connector holder.



9. Reconnect the wiring connectors (gray to gray, black to black). Note that the connectors are keyed for proper installation as shown in the detail below. Snap the completed connections, into the wiring harness as shown.

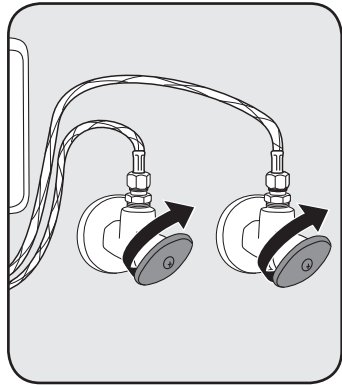


10. Check operation of faucet by putting hand in front of sensor. Water should flow. If not, contact 1-800-TEC-TRUE or visit www.eqfaucets.com/troubleshooting.

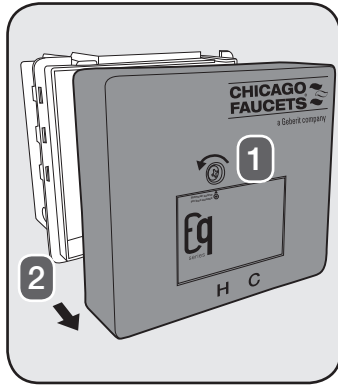


11. If all is good, reinstall the control box cover and secure it with the #2 Phillips screw.

Steps To Replace Power Supplies

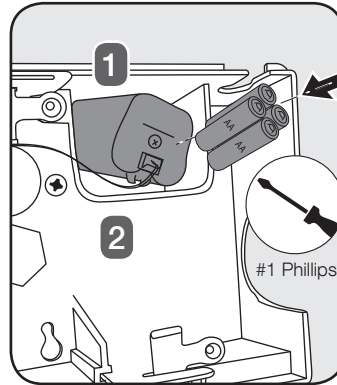


1. Shut off water. Shut off main power as needed.

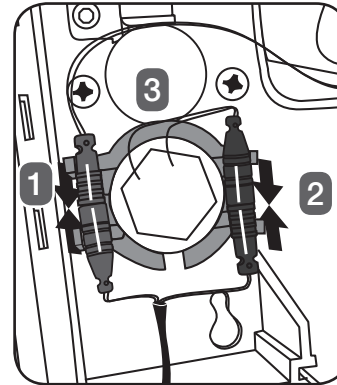


2. Remove the control box cover by using a #2 Phillips screwdriver to loosen the cover screw.

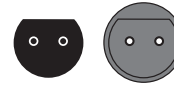
Battery (DC) Power (243.153.00.1)



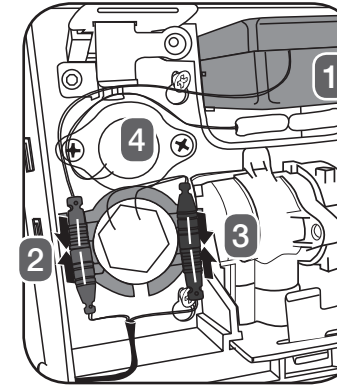
i. Open the yellow battery housing and replace 4 'AA' batteries according to the diagram inside the housing. NOTE: Make sure the batteries are oriented properly before testing the faucet.



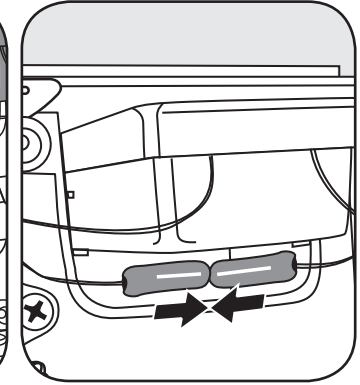
ii. Attach the wiring connectors (gray to gray, black to black). Note that the connectors are keyed for proper installation as shown in the detail below. Snap the completed connections, into the wiring harness as shown.



Self Sustaining Power System (SSPS) (243.154.00.1)



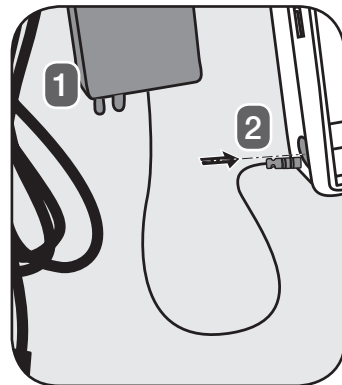
i. Replace the SSPS power supply from the upper compartment of the control box. Attach the wiring connectors, first gray to gray, then black to black. Note that the connectors are keyed for proper installation as shown in the detail below. Snap the completed connections, into the wiring harness as shown.



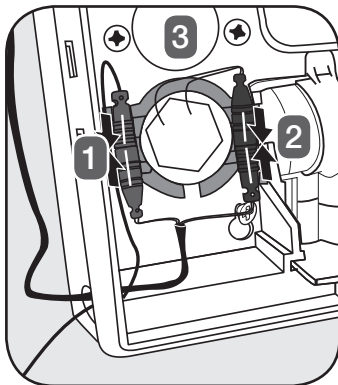
ii. Connect the blue connector on the SSPS to the blue connector on the turbine and tuck them into the cavity as shown.



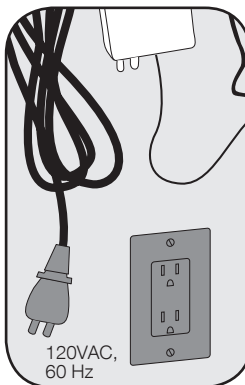
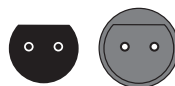
(AC) Power (EQ-003JKNF, EQ-005JKNF)



i. Choose a location and mount the transformer. Run the cable from the transformer through the opening in the control box.

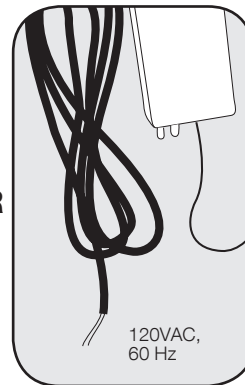


ii. Attach the wiring connectors (gray to gray, black to black). Note that the connectors are keyed for proper installation as shown in the detail below. Snap the completed connections into the wiring harness as shown.



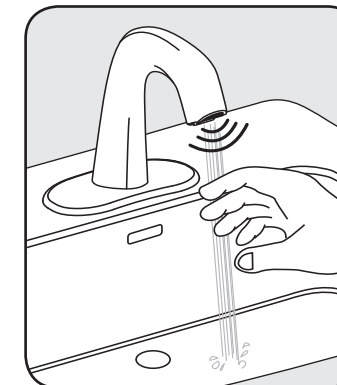
iii. Plug the transformer into the wall.

OR

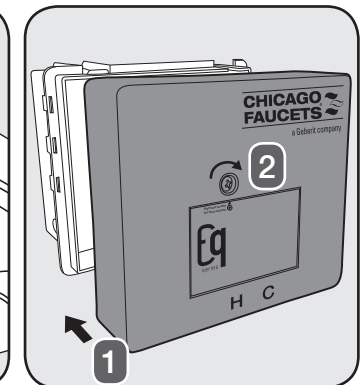


iv. Wire up the transformer to the main line.

Completing Installation: Testing and Adjustment

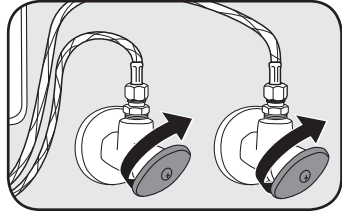


3. Check operation of faucet by putting hand in front. Water should flow. If not, contact 1-800-TEC-TRUE or visit www.eqfaucets.com/troubleshooting.

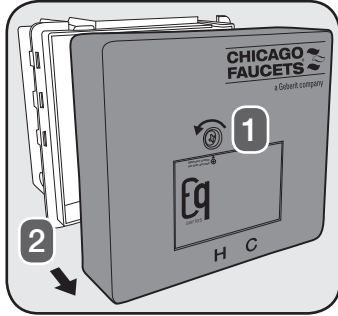


4. If all is good, reinstall the control box cover and secure it with the #2 Phillips screw.

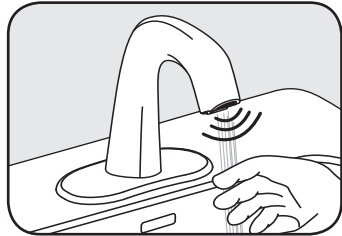
Steps To Replace or Service No Mix Kit or Mixing Elements



1. Shut off water.

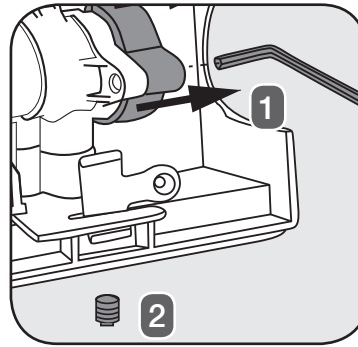


2. Remove the control box cover by using a #2 Phillips screwdriver to loosen the cover screw.

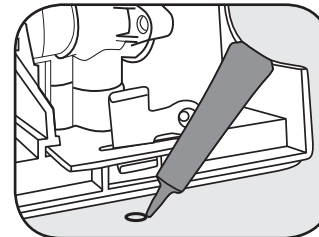


2. Activate faucet to remove any remaining line pressure.

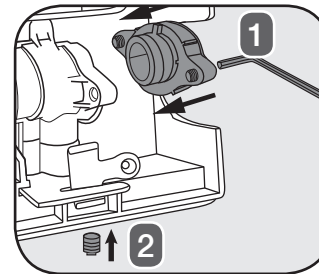
No Mix (243.180.AB.1)



i. Remove mix port plug from side of control box using 3mm hex key. Remove supply plug from inlet.

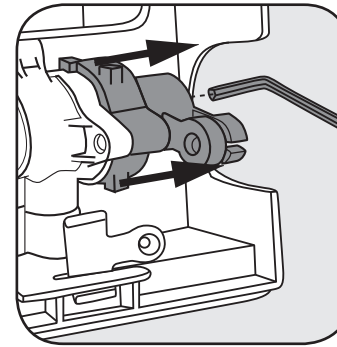


ii. Apply a silicone-based lubricant to the O-Rings of new parts.

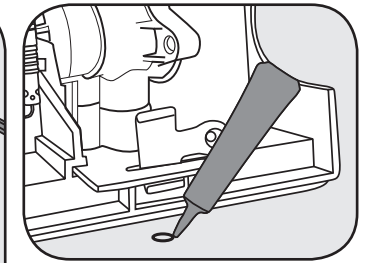


iii. Install a new pre-assembled cartridge element and tighten. Install supply plug.

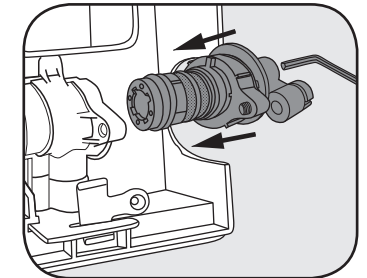
Mechanical Mixer (243.155.AB.1)



i. Using 3mm hex key, remove mix cartridge element from side of control box.

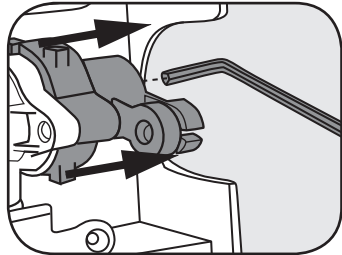


ii. Apply a silicone-based lubricant to the O-Rings of new parts.

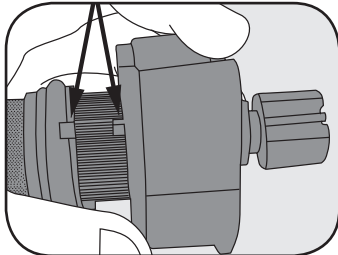


iii. Install new pre-assembled cartridge element and tighten.

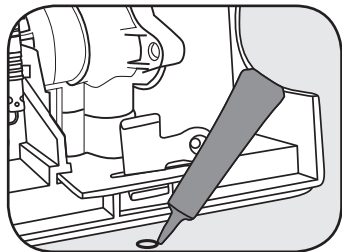
1070 Thermostatic Mixer (243.156.AB.1)



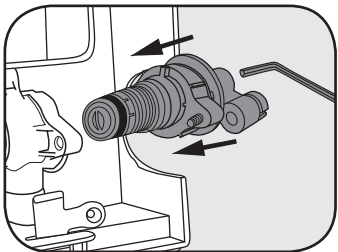
i. Using 3mm hex key, remove mix cartridge element from side of control box.



Note: The cartridge has a key. Line up key with cartridge to slot in valve body.

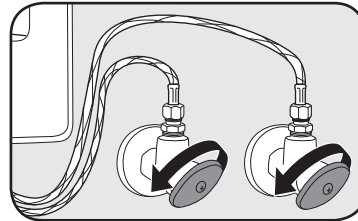


ii. Apply a silicone-based lubricant to the O-Rings of new parts.

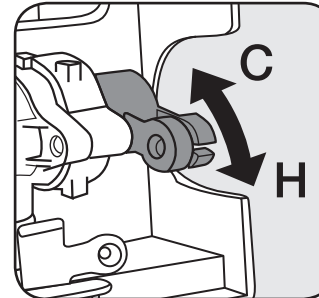


iii. Install new pre-assembled cartridge element and tighten.

Completing Installation: Testing and Adjustment

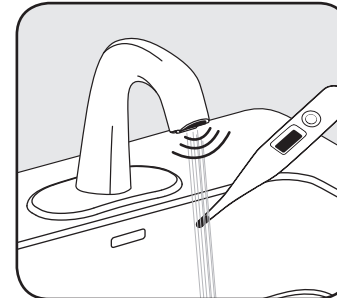


4. Open the supply stops and check for leaks. Note: water may run through spout.



6. Adjusting the Water Temperature

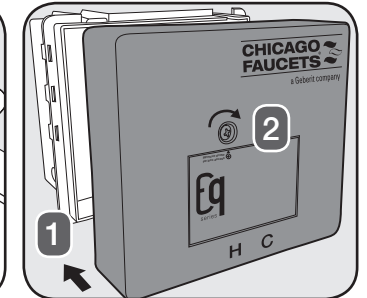
a. The yellow mixer handle inside the control box is used to adjust water temperature in dual-supply installations. Turn the handle clockwise to decrease water temperature or counter-clockwise to increase water temperature.



b. The mixed water temperature must be checked at the point of use and the CFC mixing valve adjusted to ensure delivery of water at a safe temperature no exceeding 110°F (43°C). Water temperatures in excess 110°F (43°C) are dangerous and may cause scalding, severe injury or death!



5. Check operation of faucet by putting hand in front. Water should flow. If not, contact 1-800-TEC-TRUE or visit www.eqfaucets.com/troubleshooting.



7. If all is good, reinstall the control box cover and secure it with the #2 Phillips screw.