

MAC FAUCETS

Owner's Manual

Models: FA610MX

Installation procedure:

1. **Read “special Installation note” at the end of this manual before proceeding.**
2. Make sure sink surface area is clean and free of debris.
3. ****If using deck plate, place plate on deck immediately over center sink hole**.**
4. Remove screw from plastic package and fasten to bottom of faucet. Back nut off screw and place in a safe location for step 9 in the installation process.
5. Install 1 hose to bottom of faucet. Soap may be needed to get “O” ring to slide into the hole. One “O” ring in the hole is sufficient for long lasting seal.
6. Slide large rubber ring over hose and battery wire and place at bottom of faucet. The large rubber ring is design to seat tightly under faucet. Small portion of this rubber ring may be visible after installation is complete.
7. Install new faucet by placing battery wire and hose through sink hole designated for spout. Make sure that wire is not pinched or cut during installation. **Cutting or severely crimping wire will cause faucet to malfunction and will also void all warranties.**
8. While under the sink, slide “C” shaped brass washer over battery wire, faucet hose and screw that is fastened to the bottom of faucet.
9. Use the nut (see step 4) to fasten brass washer to the screw.
10. Fasten the second hose to faucet, a repeat of step 5.
11. Connect battery compartment to battery wire that is located at the bottom of the faucet. **Connecting batteries to faucet starts a sensor initiation process that may take up to 1 minute. It is important that no objects are present inside the sink during this step.**
12. Remove (2) bushings containing screen filters and back flow preventers from plastic bag and connect to faucet hoses. Connect 1/2” couplings to bushings.

Before proceeding to step 11, purge both hot and cold water lines that are connected to angle stops for at least a minute each at high volume. Purging water lines clears out dirt and debris that would otherwise find its way to faucet's strainer.

13. Install hot and cold water supply hoses to brass connectors at the end of the faucet hoses cold right, hot left.
14. Turn angle stops on. Check for leaks.

Operation:

1. Place hands under spout and directly in front of neck mounted sensor, water will begin to flow out in less than a second, water flow rate is governed by aerator and supply pressure, water temperature is governed by position of water mixture selector, as well as water temperature in supply pipes. PLEASE REMEMBER, AUTOMATIC FAUCETS EMPLOY “PRESENCE” NOT “MOTION” SENSORS. AN IDLE OBJECT PLACED DIRECTLY UNDERNEATH SPOUT WILL IMMEDIATELY ACTIVATE FAUCET.
2. Remove hands, water will cease to flow within 1-3 seconds.
3. If hands are left underneath spout for more than 60 seconds, water will automatically shut off. To initiate flow again move hands away from faucet and start at step 1.
4. When attempting to run water over small objects such as tooth brush, it may be necessary to bring object closer to sensor to initiate water flow, when water begins to flow, move object back under stream of water. Once user “gets the feel” of the faucet this step may be skipped.
5. **Faucets with water mixture selector above the sink.** Water mixture ratio is adjusted from hot to cold and anywhere in between by moving lever.

Battery Replacement Instructions:

Batteries should provide 12 to 36 months of reliable service mostly depending on the make of battery used and the frequency of usage among other factors. Battery weakness is indicated by constantly flashing led light within the sensor capsule. When replacing batteries please follow these simple steps:

1. Unplug Battery from faucet.
2. Unfasten the 4 Philips screws that hold the enclosure cover on, pull enclosure cover off.
3. Replace batteries with **4 AA Alkaline** batteries, make sure batteries are placed in their proper position.
4. Re-install battery pack into the Faucet.
5. Test faucet prior to placing enclosure cover back on.

Trouble Shooting:

Faucet does not operate, red light does not blink:

1. Batteries need replacing, replace batteries, see battery replacement instructions.
2. Sensor wire loose, unplugged, plugged improperly, plug sensor wire properly. See installation instructions.

Water flows out of faucet even though hands or objects are not present under spout:

1. Objects (such as sink lip) are present in front of sensor. (See special installation note at the back page).
2. Battery wire not plugged in, batteries need replacing.

Faucet does not operate, red light blinks in response to approaching objects:

1. No water, very low water pressure in supply pipes, supply valves closed.
2. Water pressure very high, well above 115 PSI.
3. Screen filter severely clogged up.
4. Supply hoses severely kinked.

Faucet leaks, drips:

Constant leaks or drips indicate defective solenoid valve, send Faucet Automator for repair or contact an authorized plumbing professional.

Faucet continues to run for 30 -60 seconds after hands are removed:

This very rare condition generally occurs due to over sensitivity on the part of the sensor, system water pressure well above 70psi and an over lit bathroom environment. This condition is always field curable.

1. Turn down water pressure at both angle stops.
2. Adjust sensor range. See Sensor Range Adjustment in this manual.
3. Objects (such as sink lip) are present in front of sensor. (See special installation note at the back page).

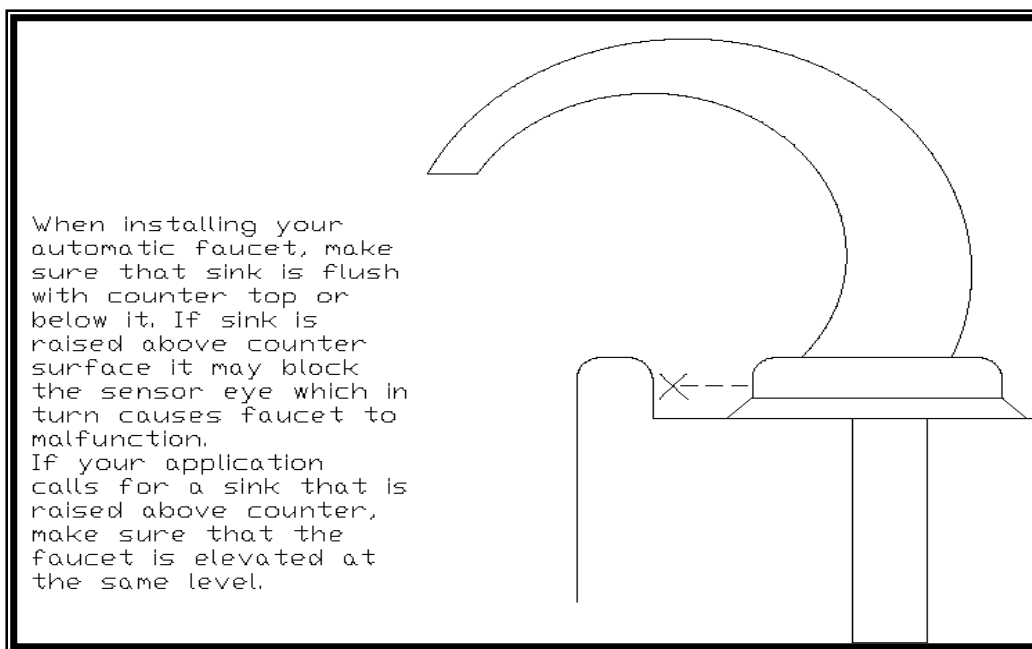
LIMITED WARRANTY

MAC FAUCETS WARRANT THIS FAUCET TO BE FREE OF DEFECTS FOR A PERIOD OF ONE YEAR FROM DATE OF PURCHASE. MAC FAUCETS WILL REPLACE, FREE OF CHARGE, DURING THIS WARRANTY PERIOD, PARTS THAT PROVE DEFECTIVE WHEN PROPERLY INSTALLED AND UNDER NORMAL USE AND SERVICE. DAMAGE THAT OCCURS AS A RESULT OF ABUSE, IMPROPER INSTALLATION, ENVIRONMENTAL CONDITIONS, OR IMPROPER APPLICATION WILL VOID THIS WARRANTY. PRODUCTS MUST BE SHIPPED WITH POSTAGE AND HANDLING PREPAID, ALONG WITH DATED PROOF OF PURCHASE. THIS WARRANTY DOES NOT COVER INSTALLATION OR ANY OTHER LABOR CHARGES. IT DOES NOT COVER SHIPPING AND HANDLING OF BOTH REPLACEMENT PARTS AND RETURNED DEFECTIVE PARTS. PRODUCTS OR COMPONENTS THAT HAVE BEEN ALTERED OR IN ANY WAY MODIFIED WILL NOT BE COVERED UNDER THIS WARRANTY. REPLACEMENT PARTS ARE UNDER WARRANTY ONLY FOR THE REMAINING PERIOD UNDER THE INITIAL WARRANTY. SOME STATES DO NOT ALLOW FOR EXCLUSION OF INCIDENTAL OR CONSEQUENTIAL DAMAGE.

Special Installation Note

Automatic faucets are design to perform properly in a variety of applications. There are some conditions, however, that may adversely impact the faucet's ability to perform. Please note the following conditions prior to installing you new faucet:

1. Your automatic faucet is designed for indoor applications. This faucet is not designed for outdoor applications.
2. Avoid installing your new faucet in direct sunlight. Direct sunlight that is focused on sensor will temporarily disable faucet's sensing capabilities.
3. When installing your faucet to your counter top please **view the drawing below** and read accompanying note.
4. When choosing a location to install the Faucet Automator, make sure that it will not be in direct contact of copious amounts of water.
5. If you choose to install your faucet to one water source only, **do not install to hot water only** as this may result in scalding injury.
6. When installing more than one faucet:
For optimal performance couple spout and Faucet Automator (the gray box) that were shipped together.



MAC FAUCETS

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Shown here with external battery supply

MAC FA610-63 Dual water supply.

Warning:

Always install battery enclosure with battery plug at bottom.

