Deck Mounted Faucets Installation Instructions


Overview
Chicago Faucets' deck mounted faucets feature cast brass bodies and precision cartridges for years of reliable operation. Metering models with adjustable cycle time offer true water savings.

Notice to the Installer
- Read this entire instruction sheet before installing to ensure proper installation.
- Installation must comply with local codes and ordinances.
- For fittings installed with pre-rinse or glass filler valves, check valves must be installed to prevent crossflow.

Pressureized plumbing fixtures shall be installed in accordance with manufacturer’s recommendations. The supply piping to these devices shall be securely anchored to the building structure to prevent installed device from unnecessary movement when operated by the user. Care shall be exercised when installing the device to prevent marring the exposed surface.

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

Please leave this manual with the facility manager after completing the faucet installation. This document contains information necessary for routine maintenance and servicing.

NOTE: Before installation, turn off water supplies to existing faucet and remove faucet if replacing. Clean faucet basin and clear away debris. Flush all supply lines before connecting to faucet. Failure to do so can result in debris clogging the inlets and/or cartridges.

Single Hole Mixing Fittings — Base numbers 50, 50T, 51T

1. Ensure O-Rings are installed on hoses or tubes.
2. Install hoses or tubes.

Mixing Tee Installation

1. Install tee gasket over guide pins and secure coupling nut of tee to body shank.
2. Secure coupling nut of tee to body shank. Tighten securely.
3. Attach supply lines with coupling nuts. Tighten securely.
4. Remove outlet and flush lines for about one minute. Replace outlet.

Centerset and Single Basin Fittings — Base numbers 333, 335, 349, 350, 525, 526, 527, 700, 701, 730, 797, 802, 891, 894, 895, 1100, 1102, 1891, 1895

1. Apply putty or rubber washer to underside of faucet body to assure a good seal and level fit.
2. Place shank(s) through holes in sink and assemble mounting hardware. Use spacers if necessary.
3. Attach supply lines with coupling nuts and tighten securely. Attach spout if provided separately.
4. Remove outlet and flush lines for about one minute. Replace outlet.

Pop-Up Drain Installation

1. Assemble tailpiece to body shank with thread seal tape. Assemble lock nut, slip washer, and basin washer to body shank.
2. Fully assemble the basin seat and spud flange to body shank assembly.
3. Position body shank toward the lift rod. Tighten lock nut until properly sealed.
4. Place stopper into body shank cavity orienting the stopper for removable or non-removable stopper as desired. (see #5)
5. Insert pivot ball rod assembly through pivot rod gasket and coupling nut.
6. Attach pivot rod assembly to body shank.
7. Tighten pivot rod assembly nut as required to seal and provide smooth operation.
8. Insert pop up rod through holes in hanger and hand tighten.
9. Push pivot ball rod to lowest position, squeeze v-dip and slide pivot ball rod through v-dip and appropriate hole in hanger.
10. Test the assembly for proper function and make adjustments as necessary. Once set, tighten securely.

For additional technical assistance, call 800/TEC-TRUE (800-832-8783) or visit our website at chicagofaucets.com.
**Rigid/Swing Convertible Spout Installation**

1. Remove outlet and assemble spout nut over outlet end, until it rests on shoulder of spout joint.

For **Swing Spouts**
2a. Assemble two plastic split washers to spout joint and discard 1/8" thick plastic washer.
2b. Place 1/8" thick plastic washer into spout base bowl and discard plastic split washers.

For **Rigid Spouts Only**
3. Insert spout assembly firmly into spout base and tighten spout nut.

**Chicago Faucets**

Chicago Faucets deck mounted faucets come with cartridges already installed. Instructions for adjusting the timing on meting cartridges are shown below. For complete instructions on servicing and replacing Chicago Faucets cartridges, see our Cartridge Maintenance/Repair Guide, available online at chicagofaucets.com/pdf/CF1081.pdf. You may also order a copy of the Guide by calling 800-622-8783.

**Supplemental Bubbler Installation Instructions for 748-665CP, 748-665FHCP, 748-244CP and 748-244FHC**

**Installation with Anti-Rotational Pins**

1. Choose Two holes in bubbler base that corresponds with the deck/sink drilling and tap each anti-rotational pin with a hammer until seated. There should be approximately 1/8" length of pin exposed when fully seated.

2. Drill 3/16" diameter holes on 1-9/32" centers and 1/4" deep in the deck/sink for anti-rotational pins if mounting holes are not provided.

3. Attach Bubbler to deck using the anti-rotational washer provided.

**Flow Adjustments**

1. The projection of water flow can be adjusted by using the 1/8" hex wrench provided. Insert hex wrench and rotate control clockwise or counterclockwise until the desired flow is achieved.

**Timing Adjustment on an MVP Metering Cartridge**

1. With cartridge and handle installed in body and water supply turned on, purge cartridge of air by pushing handle completely down 4-8 times repeatedly, then check timing cycle.

2. To change cycle time, remove index button, then use a 3/32" hex wrench. (Figure C)

3. Using your fingers, change height of adjustment nut by 1/4 turn only. Turn adjustment nut clockwise to increase cycle time or counter-clockwise to decrease cycle time. (Figure D)

4. If filter and lower valve cartridge have been removed from fitting, replace them by inserting filter first.
5. If gasket has been removed from the actuator assembly, replace it by inserting bottom of actuator assembly.

6. Assemble actuator assembly to body and tighten to 12-15 ft-lbs torque.

7. Replace handle and verify desired cycle time. **NOTE:** TIMING MUST BE CHECKED WITH HANDLE IN PLACE.

8. If additional adjustment is necessary, repeat steps 3 through 7 until desired cycle time is achieved.

**NOTE:** Some new installations might produce a slight closing noise. This is normally the result of air trapped in the cartridge. The noise will dissipate over time.

9. Attach handle and tighten screw set with a 3/32" hex wrench. After index button is included, snap into handle.

**Timing Adjustment on Push-Button (NA1AD) & Tip-Tap Self-Closing Cartridges**

1. Turn off water supply.
2. Remove carriage from valve body with 1-1/4 flat hex wrench. Use care to prevent damage to cap nut.
3. Locate timing hex nut on bottom of actuator. Turn hex nut clockwise to increase cycle time or counter-clockwise to decrease cycle time. (Figure E).

**NOTE:** Turn in 90 degree increments for each adjustment cycle. Fill the deadspout with water, slide it over the bottom of the cartridge, and place both back into the faucet body.
4. Place carriage into faucet body and fully tighten cap nut with wrench to 15-25 ft-lbs torque. Turn on water and verify cycle time by depressing cartridge fully.

**NOTE:** Insure that cap gasket is in place within cap before assembly into valve body.

**NOTE:** Cartridges with "SLO" designation include an external timing adjustment via a set screw in the top of the handle. Using a 7/64" hex wrench, turn the set screw clockwise to decrease cycle time or counter-clockwise to increase cycle time. (Figure E)

**Timing Adjustment on a Push-Tilt Self-Closing Cartridge**

For Push-Tilt cartridges, the timing adjustment procedure is identical to Push-Button Self-Closing Cartridges, except for an external timing adjustment feature that is integral to Push-Tilt handles. This adjustment can be used for minor cycle time changes without the need to remove the cartridge from the body.

For external adjustment, lift handle slightly to expose 1/16 hex socket set screw (Figure F). Turn adjustment set screw clockwise to increase cycle time or counter-clockwise to decrease cycle time. If greater timing adjustment is required, follow the instructions for adjusting the timing on a Push-Button Self-Closing Cartridge.

**Care and Maintenance**
All Chicago Faucets fittings are designed and engineered to meet or exceed industry performance standards. Care should be taken when cleaning this product. Do not use abrasive cleaners, chemicals or solvents as they can result in surface damage. Use mild soap with warm water for cleaning and protecting the surface of Chicago Faucets fittings.

For additional technical assistance, call 800-TEC-TRUE (800-832-8783) or visit our website at chicagofaucets.com.

**CHICAGO FAUCETS LIMITED WARRANTY**

**TO WHOM DOES THIS WARRANTY APPLY?** — The Company extends the following limited warranty to the original user only.

**WHAT DOES THIS WARRANTY COVER AND HOW LONG DOES IT LAST?**

This warranty covers the following Commercial Products.

**LIFETIME FAUCET WARRANTY** — The "Faucets," defined as any metal cast, forged, stamped or formed portion of the Product, not including electronic or moving parts or other products separately covered by this Limited Warranty or water restricting components or other components, is warranted against material manufacturing defects for the life of the Product.

**FIVE YEAR FAUCET WARRANTY** — Certain Products and portions of the Product are warranted against material manufacturing defects for a period of five (5) years from the date of Product purchase. Products warranted against material manufacturing defects for a period of five (5) years from the date of Product purchase are subject to the Product numbers listed below.

**ONE YEAR FINISH WARRANTY – COMMERCIAL** — For Products used in commercial applications, the finish of the Product is warranted against material manufacturing defects for a period of one (1) year from the date of Product purchase.

**THREE YEAR ELECTRONICS WARRANTY** — Electronic components, including the sensor, are warranted for three (3) years from the date of installation.

**FIVE YEAR CARTRIDGE WARRANTY** — The "Cartridge," defined as the metal portion of any Product typically referred to by the product numbers containing 1-000, 1-100, 377X, 371T and 371TH, excluding any hubber or plastic components, is warranted against material manufacturing defects for a period of five (5) years from the date of Product purchase.

**OTHER WARRANTIES** — All other Products are covered under this warranty for a period of one (1) year from the date of Product purchase.

**REPLACEMENT PARTS WARRANTY** — For Products not covered under this warranty, replacement parts are covered for a period of five (5) years from the date of Product purchase.

**OTHER WARRANTIES** — All other Products are covered under this warranty for a period of one (1) year from the date of Product purchase.

**Terms and conditions of warranty are subject to change without notice.**

© 2017 The Chicago Faucet Company. All rights reserved. Product specifications subject to change without notice.

**TAG-258**

11/17

The Chicago Faucet Company
2120 South Clearwater Drive
De Plaines, IL 60016
Phone: 847/832-5000
Fax: 847/832-5454
Technical: 847/832-8783
www.chicagofaucets.com