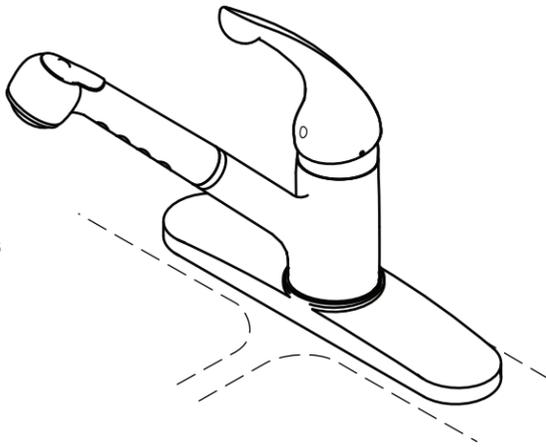




Design House is a registered brand of DHI Corp.
Mequon, WI 53092
1-800-558-8700



SINGLE HANDLE PULL-OUT KITCHEN FAUCET

For Single Hole or Tri Hole Sinks
Models 529404, 529610, 529784

Your new Design House faucet will give you years of trouble free performance. Thank you for choosing our product for your home. **Please read all of these instructions carefully before installing your new faucet.**

Helpful tools to install this faucet:

- basin wrench
- silicon sealer
- Teflon tape
- flashlight
- (2) crescent wrenches
- faucet supply tubes

IMPORTANT POINTS

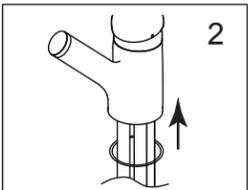
- When installing your new faucet, hand tighten the connector nuts, then use one wrench to anchor the fitting and a second wrench to tighten the nut one additional turn. Connections that are too tight will reduce the integrity of the system.
- Wrap all threaded connections (except aerator thread in spout) with Teflon tape available from your local hardware or plumbing supply store. Always wrap in a counter-clockwise direction.
- If replacing an old faucet: Prior to installation, turn off the cold and hot water lines and open the old faucet to release built up pressure. Then cut both water supply pipes approximately 15" below the bottom of the old faucet taking care that pipes remain circular. Remove burrs or rough edges from cut ends with fine grit sandpaper.

SAFETY TIPS

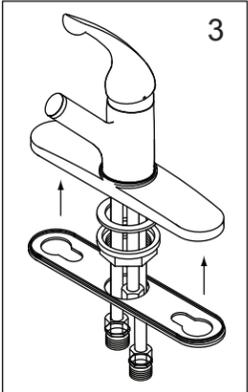
- **ALWAYS** protect your eyes with safety glasses when cutting supply lines.

INSTALLATION PROCEDURE

1. Shut off hot and cold water supplies under sink. Plug sink drain with cloth to avoid losing small parts. Remove old faucet.



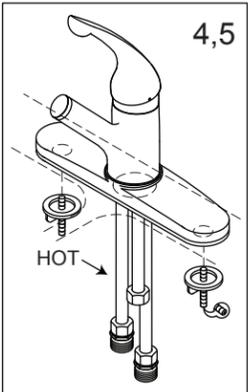
2. Position O-ring onto base of faucet. Make certain it is sealed into the recessed area of the base.



THREE HOLE SINK INSTALLATION

(Proceed to step 6 for one hole installation)

3. Slide cover plate onto bottom of faucet. Secure with rubber washer and locknut. Fit gasket onto bottom of deck plate.



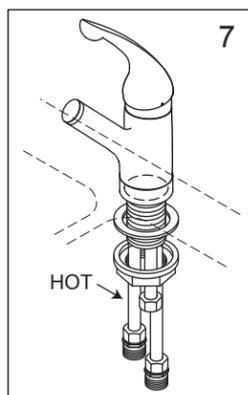
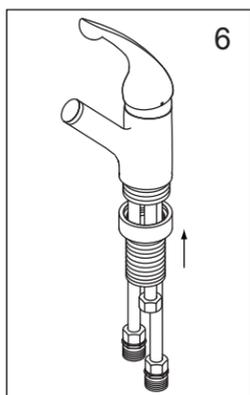
4. Position faucet assembly over sink top, carefully feeding supply tubes through the hole in the sink. Make certain the supply hose indicated HOT is positioned on the left side. Position the swivel spout and handle so that they are properly centered over the sink.

5. Thread mounting bolts to bottom of deck plate through key-hole slots located on gasket. Attach faucet assembly to sink by threading on plastic wing nuts and tightening. **PROCEED TO STEP 8.**

ONE HOLE SINK INSTALLATION

6. Install collar to faucet.

7. Position faucet assembly over sink top, carefully feeding supply hoses through hole in sink. Make sure the supply hose indicated HOT is positioned on left side. Position swivel spout and handle so that they are properly centered over sink. Place rubber washer and thread locknut onto mounting body and tighten locknut with supplied socket wrench.



TROUBLE SHOOTING

Problem: Faucet leaks from under handle.

Cause: Adjusting ring or cap nut is loose.

Action:

1. Remove handle by loosening set screw with allen wrench.
2. Tighten the adjusting ring by turning it clockwise with a small screwdriver. Move ball stem to the on position and continually tighten the adjusting ring until the leak stops draining out from around the ball stem.
3. If the leak does not stop, loosen the adjusting ring and tighten the entire cap assembly by turning it clockwise. Retighten the adjusting ring as before.
4. Replace the handle and tighten the set screw.

Problem: Faucet leaks around aerator or has an improper flow pattern.

Cause: Aerator incorrectly fitted or dirty.

Action:

1. Unscrew the aerator. Make sure all internal parts are laying flat.
2. If there is debris, gently flush all parts inside.
3. Reinstall aerator.

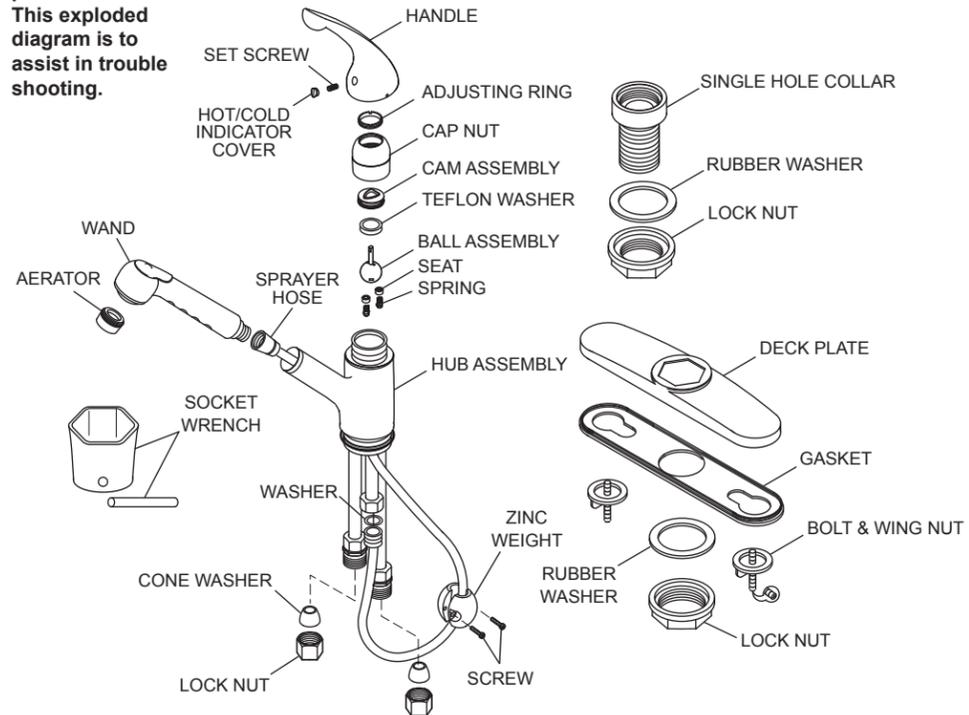
Problem: Water does not completely shut off.

Cause: Rubber valve seat is dirty or worn or adjusting ring or cap has loosened.

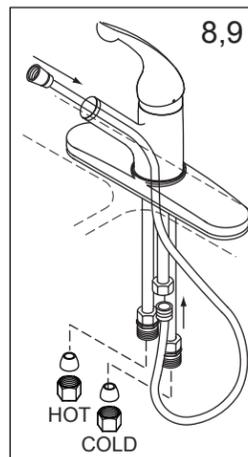
Action:

1. Turn off the water under the sink.
2. Remove handle by removing hot/cold indicator and loosening set screw with allen wrench.
3. Unscrew the cap nut. Remove the cam assembly and ball assembly.
4. Inspect the two rubber valve seats for debris or damage. Replace if necessary.
5. Push the rubber seats and springs back in with smaller ends up. Take care when replacing the metal ball to align the metal peg on the side of the body with the oblong slot on the ball.
6. Reassemble the faucet taking care to fit the small alignment tab on the cam into the slot. Make sure cap nut is tight and fits flush with faucet body before reattaching handle.
7. Retighten the adjusting ring. Replace the handle and tighten the set screw.
8. Turn on the water under the sink.

Many of these parts come preassembled. This exploded diagram is to assist in trouble shooting.

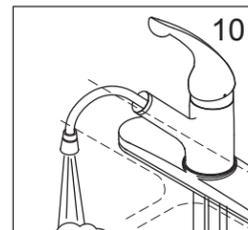


INSTALLATION PROCEDURE

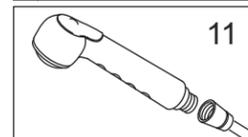


8. Pass sprayer hose through faucet by inserting smaller end into the faucet spout. Attach sprayer hose to adapter on copper pipe. Hold hose fitting tight while turning adapter in a clockwise direction. Use two wrenches to avoid twisting pipe. Use plumber's tape on all male threads. **BE SURE WATER SUPPLY LINE DOES NOT INTERFERE WITH SPRAY HOSE.**

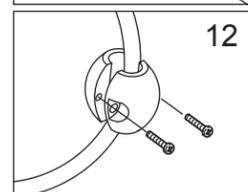
9. Attach new or existing water supply hose to the hot and cold inlet fittings on the faucet. Cone washers and supply nuts have been included with this faucet for your convenience. Refer to specific manufacturer's recommendations when installing water supply hoses to your new faucet.



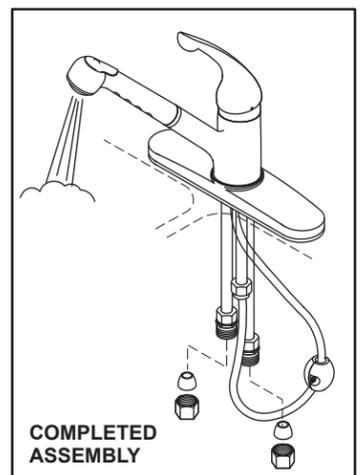
10. Pull sprayer hose out of spout and hold into sink. Flush both water lines by turning handle to a full mixed position, allowing water to run for one minute.



11. Attach spray wand, hand tighten and turn water on. **CHECK ALL HOOKUPS FOR LEAKS.**



12. Attach metal counterweight to the sprayer hose by placing the two halves together using the 2 screws provided. Adjust the position of the weight as desired to prevent hose kinking and to facilitate hose retraction.



MAINTENANCE

Your new Design House faucet is designed to give you years of trouble free performance. Keep it looking new by cleaning it periodically with a soft cloth. Avoid abrasive cleaners, steel wool and harsh chemicals that will dull the finish and void your warranty.

Brass finishes are polished, then protected with a lacquer coating to help prevent tarnishing. Clean these surfaces only with a damp, soft cloth.

CONSUMER PROTECTION WARNING

Under the Safe Drinking Water Act, the U.S. Environmental Protection Agency restricts the amount of lead used in brass and solder. Your new faucet is made in strict compliance with all government standards. The materials used in the manufacture of this faucet are of industry standard quality and are similar to other plumbing products having brass fittings.

To reduce the amount of lead in your drinking water, allow the water to run for a moment before filling your glass and remember to always use cold water for drinking purposes.