Pipe tape Phillips screwdriver Safety Tips be void on these parts

• Plumber's putty

Prior to beginning installation, turn off the cold and hot water If you use soldering for the installation of the faucet. the seats cartridaes and washers will have to be removed before using flame. Otherwise, warranty will

 Protect your eves with safety glasses when cutting or soldering water supply line

Cover your drain to avoid loosing parts

1 888 328-2383

tight, 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.

The fittings should be installed by the licensed plumber of the State.

All installations can vary depending on how your previous faucet was installed. Necessary supplies to install vour faucet are not all included; however they are available wherever plumbing supplies are sold. When choosing your installation supplies, make sure they are IAPMO and/or CSA approved products.

For additional assistance or service call:

8 a.m. to 8 p.m. EST Monday-Friday 9 a.m. to 5 p.m. EST Saturday & Sunday

Maintenance

Your new bathroom faucet is designed for years of trouble-free

Keep it looking new by cleaning it periodically with a soft cloth Avoid abrasive cleaners, steel wool and harsh chemicals as

these will dull the finish and void your warranty.

lines and open the old faucet to release build-up pressure. When installing your new faucet, turn the connector nuts finger

Wrap all threaded connections with Teflon tape available at your local hardware or plumbing supply store. Always wrap in a clockwise direction. The fittings should be installed by the State-

handle body to the side of the faucet spout. Wrap Teflon tape only on the threded male end of the water connector. Be careful not to twist or crimp the connector. (NOTE: Kinked tubing voids your warranty.) Repeat procedure

Preparation/Assembly

Shut off water supply. Remove old fauet, taking care to damage existing water lines. Clean sink area prior to new faucet installation. Remove aasket, washer, large hex nut, "Y" adapter and small retainer nut from spout shank. Apply plumbers putty around bottom of spout. Place spout in centre hole of sink. Secure with rubber gasket, and metal washer, followed by large hex nut. Attach "Y" adapter to end of spout shank until it stops. Screw small retainer nut on to end, tighten.

Remove rubber aasket, washer and locknut from handle body. Place the handle body marked C through the hold to the right of spout. Position the base flange so that the flange alians with the top thread of the handle body. Slide on rubber aasket and washer and tighten handle body into place with locknut. Repeat procedure on left side of spout with handle body marked H.

Connect plastic water line from the hole on the bottom of

Connect water supply tubes (not provided) to the faucet inlet as illustrated. Secure carefully using coupling nut

> After installation is completed, remove gerator. Turn on water supply and allow both hot and cold water to run for at least one minute each. While water is running. check for leaks. Replace gerator. Nuts may need re-tightening or rubber cone washer may not be seated properly. If leaks persist, refer to trouble-shooting information.

Installation - Pop-Up drain

9 Unscrew the nut from the pop up body and take off the spring clip from the ball rod (please note: retain the white packing ring on the ball rod), and place the nut in the ball rod. Insert the ball rod into the side hole of drain. slide the nut on and tighten securely.

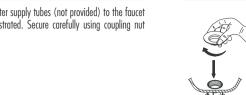
Remove flange from pop up main body. Leave large

black washer (not included with plastic pop ups) and nut

washer and black rubber washer fram flange. Leave white

on drain body. (For 170 231:Remove nut and metal

rubber washer on the flanae.)



170-231

Place one end of spring clip on end of ball rod. Insert rod across and through hole in lift rod strap. Secure other

Tighten with thumh screw

Place a ring of putty around drain opening of sink. Insert threaded end of drain body up through drain hole and attach flange to body with ball rod pointing to rear of Thread locknut from underside of sink until rubber wash-

er seats securely inside opening of sink. Tighten locknut. Wipe excess putty. If model has plastic wing nut, tighten securely. If nut is brass, tighten with wrench.

Insert bottom of lift rod into hole at top of pop-up strap.

Adjust lift rod function by adjusting local tion of thumb screw along the lift rod or by adjusting the hole in which ball rod goes through strap.

13°. Aerator 14. O-Ring (ø3/8" ID X ø1/2" OD) 16. O-Ring (ø2-3/16" ID X ø2-3/8" OD) 18. "Y" Adaptor Washer and Nut Pop-up Body 23⊙. Lift Rod 24. Lift Rod Strap Washer (Outer) 7. Spring Clip Washer (Inner) 30°. Lift Rod Knob

ADJUSTING LIFT ROD

1-b[⊙]. Index Button-Hot 2. Screw (3/16" -24 X 1-5/8" L) O-Ring (ø3/8" ID X ø1/2" OD)

1-a[⊙]. Index Button-Cold

3[⊙]. Metal Handle

5°. Handle Base

6°. Handle Trim Rina

1°. Handle Trim Kno

32[⊙]. Pop-up Flange

7. O-Ring (ø1-3/4" ID X ø1-15/16" OD)

Be sure to leave enough space between lift rod knob and faucet spout when rod

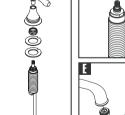
Retainer Nut 9-a. Ceramic Disc Cartridge-Cold 9-b. Ceramic Disc Cartridge-Hot 10. Handle Valve Body rings. If either O-ring is twisted, straighten it out. If either O-ring is dam-

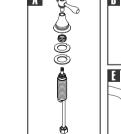
4. Position the cartridge back to the faucet body (Diagram D). Make sure the wings on the two sides of the cartridge bonnet fit into the cuts on the two sides of the faucet body. Tightly screw the retainer nut onto the

Leaks underneath handle.

Retainer nut has come loose or O-ring on cartridge is dirty or twisted.

- 1. Carefully remove the small chrome cap on top of faucet handle. Remove screw and faucet handle (Diagram A).
- 2. Tighten the retainer nut by turning it clockwise (Diagram B). Move the handle to the "ON" position to check for leaks.
- 3. If the leak does not stop, shut off the water supply. Remove the retainer nut by turning it counter-clockwise. Lift out the cartridge valve (Diagram C). Inspect the larger O-ring on the cartridge bonnet and the smaller O-ring on the cartridge stem. Remove any debris from the O-
 - 2. Remove the handle on the problem side. Loosen the retainer nut by turning it counter-clockwise (Diagram F). Lift out the cartridge assembly
 - 3. Inspect the larger O-ring on the cartridge bonnet and the smaller O-ring
 - Re-assemble the faucet as described above.

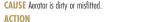




Re-assemble the handle.







PROBLEM Aerator leaks or has an improper water flow pattern.

1. Unscrew the gerator by turning it clockwise (Diagram E). Inspect the black rubber packing and small parts. Clear away any debris. Re-assem-

PROBLEM Water does not completely shut off.

. Shut off the cold water supply. If leakage stops, the problem is on the

- cold side. If leakage continues, turn off the hot water in order to deter-
- on the cartridge stem. Remove any debris from the O-rings. If either Oring is twisted, straighten it out. If either O-ring is damaged, replace it.
- Turn the water back on.

