

PRINCETON®

**Centerset Lavatory Faucet with
Speed Connect® Drain**

**Congratulations on purchasing your American Standard faucet with
Speed Connect drain, a feature found only on American Standard faucets.**

Speed Connect® Drain*

- Fewer parts, installs in less time
- Never needs adjustment
- Guaranteed to seal properly the first time, every time.

To ensure that your installation proceeds smoothly-please read these instructions carefully before you begin.



Certified to comply with ANSI A112.18.1

Required tools



Screwdriver



Channel Locks



Adjustable Wrench



Tubing Cutter

1 INSTALL FAUCET

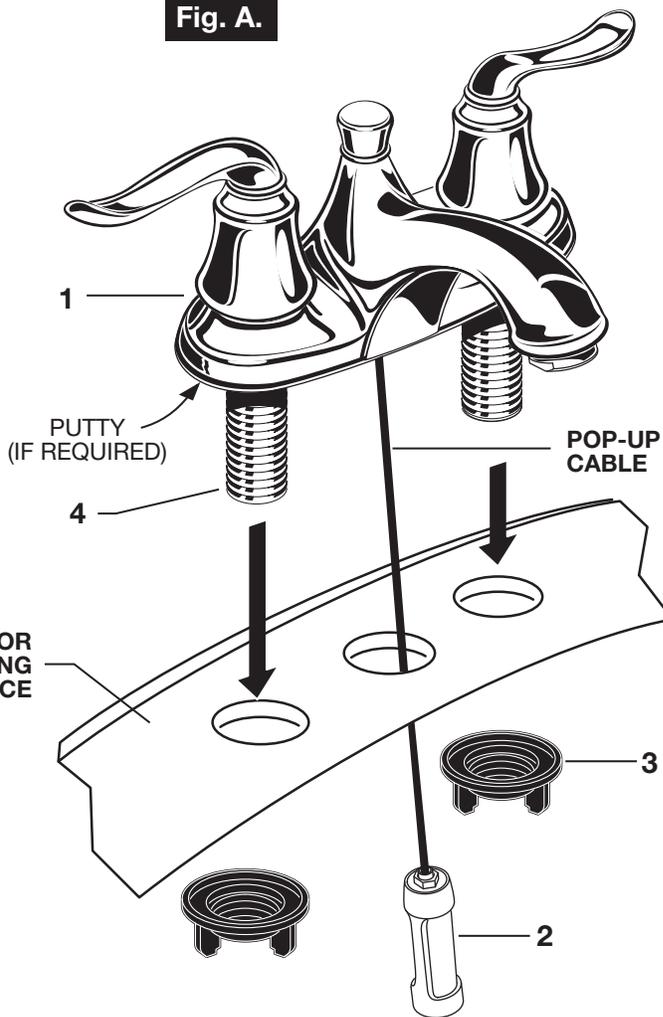
CAUTION Turn off water at main supply.

Turn off hot and cold water supplies before beginning.

Note: Putty is not required unless mounting surface is uneven. Apply a bead of PUTTY along the edge of the underside of the BODY (1) if required.

- Insert FAUCET (1) and CABLE CONNECTOR (2) through mounting holes of Sink or mounting surface. **Fig. A.**
- Assemble LOCKNUTS (3) onto SHANKS (4) from under side of Sink. Hand tighten firmly. **Fig. B.**

Fig. A.



(HAND TIGHTEN)

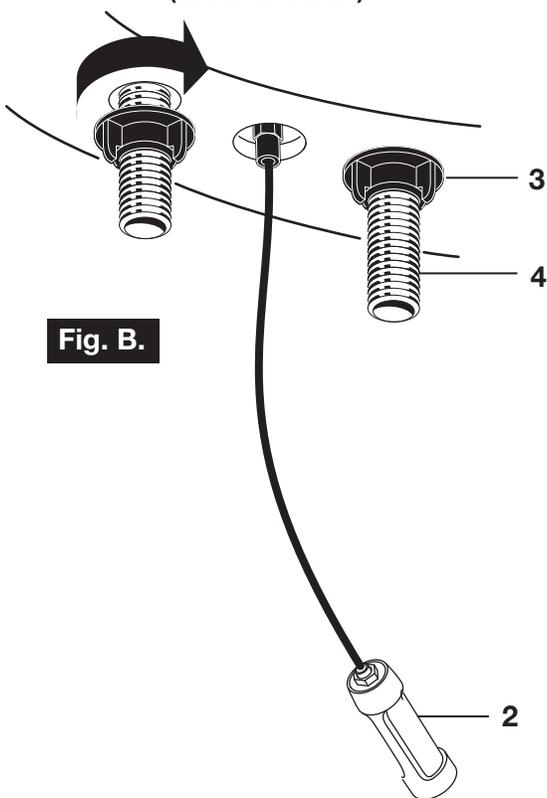
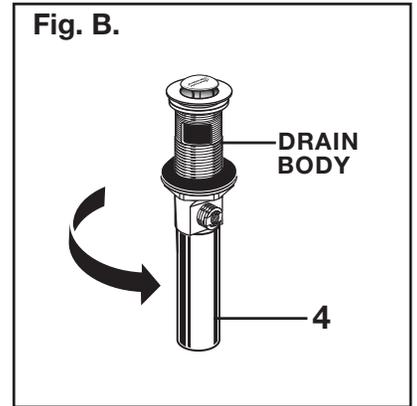
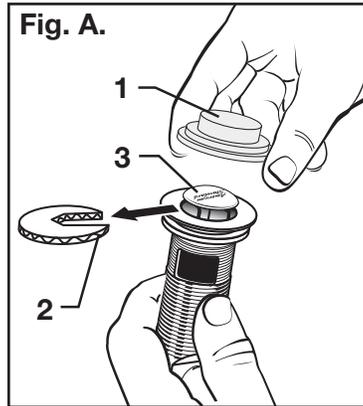


Fig. B.

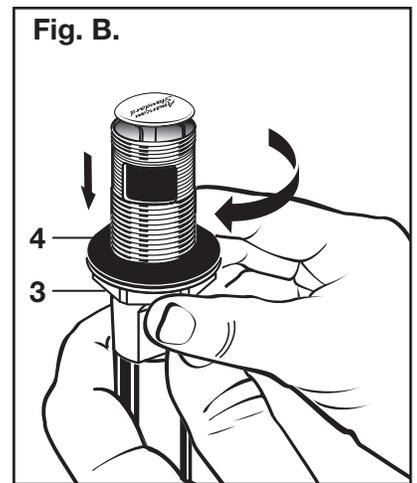
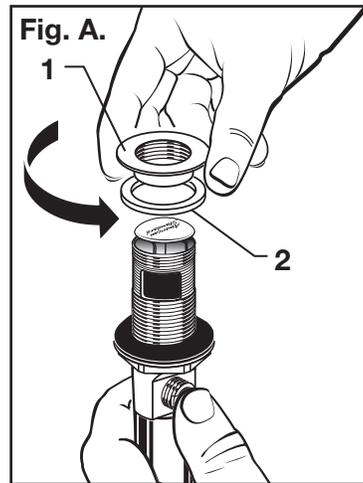
2 POP-UP DRAIN

- Remove CLEAR PLASTIC COVER (1).
- Remove CARDBOARD SPACER (2) from under DRAIN POP-UP (3).
- Tighten TAILPIECE (4) on DRAIN BODY before installing DRAIN BODY. **Fig. B.**



3 REMOVE FLANGE

- Thread FLANGE (1) counter-clockwise and remove FLANGE (1) and FOAM GASKET (2) from drain body. **Fig. A.**
- Thread LOCKNUT (3) clock-wise to bottom of drain body. Push GASKET (4) down against LOCKNUT (3). **Fig. B.**

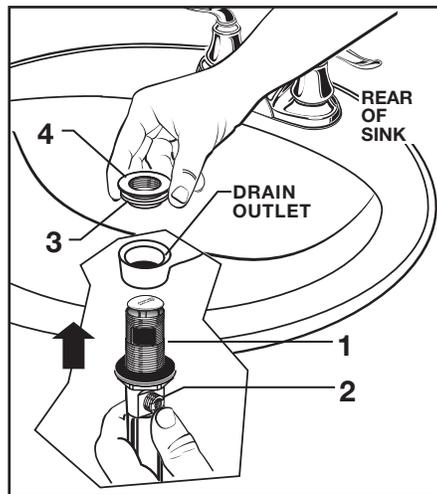


4 INSTALL DRAIN FROM BELOW FIXTURE

- From under side of SINK install DRAIN BODY (1) up through drain outlet.

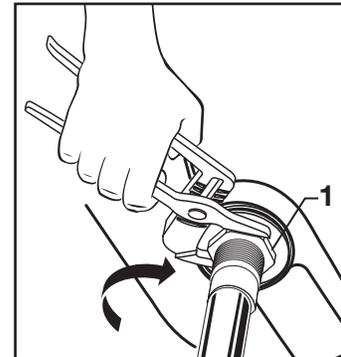
Note: No plumber's putty or caulk is required. The CABLE ATTACHMENT POINT (2) must face towards the rear of the SINK.

- Install FOAM GASKET (3) and FLANGE (4) onto drain body from above SINK and tighten FLANGE (4) firmly.



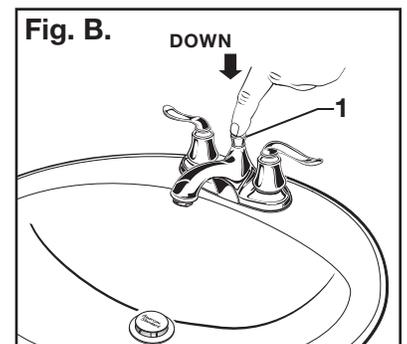
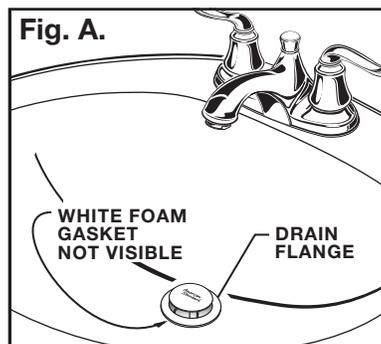
5 TIGHTEN LOCKNUT

- Tighten LOCKNUT (1) firmly with Adjustable Wrench or Channel Locks.



6 FLANGE GASKET AND POP-UP KNOB

- Check DRAIN FLANGE in SINK to ensure that WHITE FOAM GASKET (3) is fully compressed and not visible. **Fig. A.**
- POP-UP KNOB (1) must be fully down. **Fig. B.**

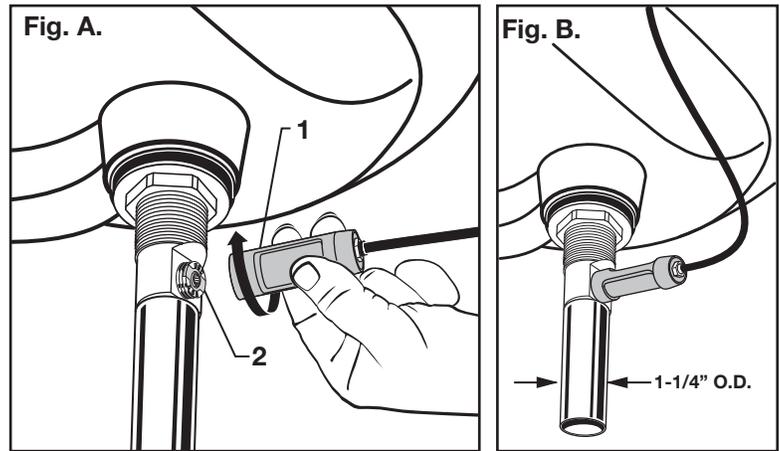


7 ATTACH CABLE CONNECTOR

- Thread CABLE CONNECTOR (1) clockwise onto DRAIN BODY CONNECTION (2) and hand tighten. **Fig. A.**

Your new POP-UP DRAIN installation is now complete. **Fig. B.**

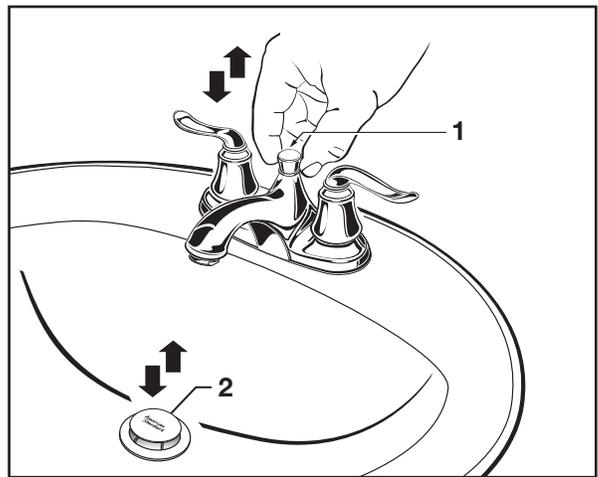
Note: Tailpiece on pop-up drain is 1-1/4" O.D. **Fig. B.**



8 CHECK OPERATION OF POP-UP

- Operate LIFT KNOB (1) to verify that STOPPER (2) opens and closes.

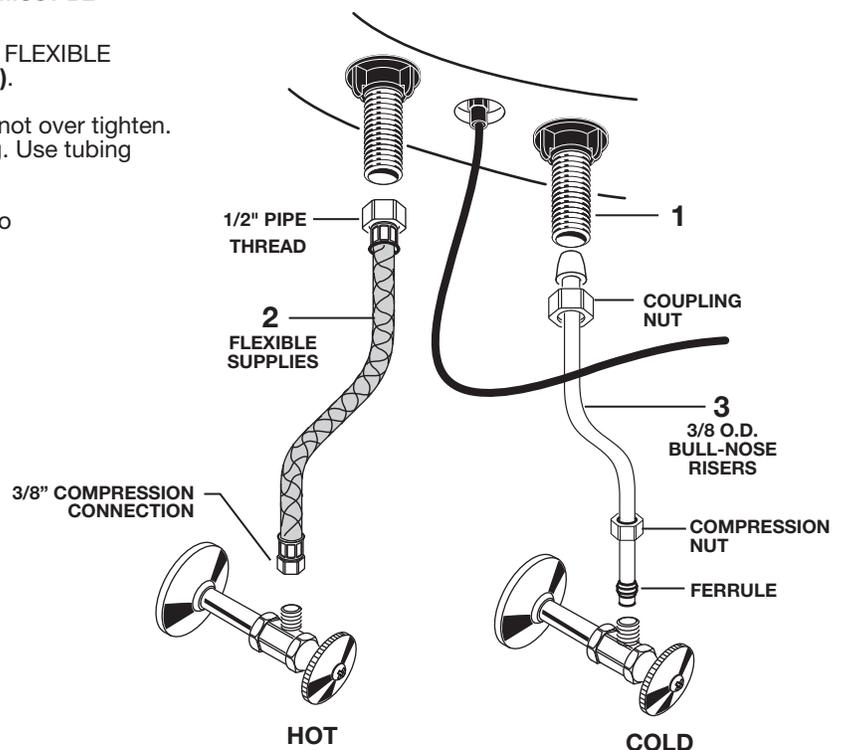
Note: If STOPPER (2) does not open and close properly then refer to the "troubleshooting section" of these instructions.



9 MAKE WATER SUPPLY AND WASTE CONNECTIONS

NOTE: FLEXIBLE SUPPLIES OR BULL-NOSE RISERS MUST BE PURCHASED SEPARATELY.

- Connect water supply to FAUCET (1) with 1/2" IPS FLEXIBLE SUPPLIES (2) or 3/8" O.D. BULL-NOSE RISERS (3).
- Use adjustable wrench to tighten connections. Do not over tighten. Be careful not to kink copper supply when bending. Use tubing cutter to cut to proper length.
- Connect 1-1/4" O.D. tailpiece on POP-UP DRAIN to waste outlet.

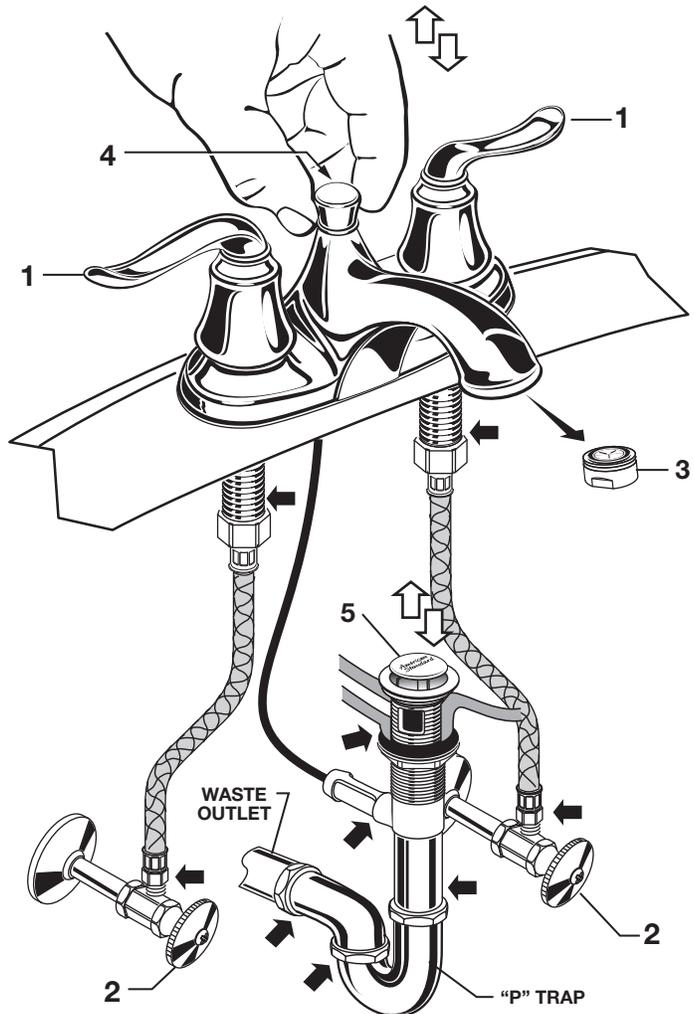


10 TEST INSTALLED FITTING

- With HANDLES (1) in OFF position, turn on WATER SUPPLIES (2) and check all connections for leaks. ➔
- Remove AERATOR (3).
- Operate both HANDLES (1) to flush water lines thoroughly.
- Replace AERATOR (3).

CHECK DRAIN CONNECTIONS

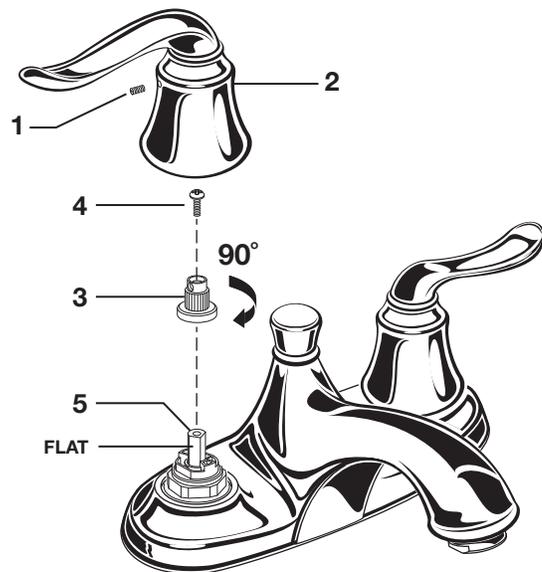
- Operate POP-UP KNOB (4) and fill lavatory with water. Check that DRAIN STOPPER (5) makes a good seal and retains water in SINK. If DRAIN STOPPER (5) does not seal properly, please refer to Troubleshooting section in these instructions.
- Release POP-UP KNOB (4) down and check all drain connections and "P" trap for leaks. Tighten if necessary.



11 SERVICE

To change direction of handle rotation, proceed as follows:

- Turn VALVE in OFF position.
- Loosen HANDLE SCREW (1).
- Pull HANDLE (2) off ADAPTER (3). Loosen ADAPTER SCREW (4) and pull off ADAPTER (3).
- Turn ADAPTER (3) 90° in a way that *flat* in ADAPTER (3) catches the other *flat* on VALVE STEM (5).
- Reinstall ADAPTER SCREW (4) and LEVER HANDLE (2).
- Tighten HANDLE SCREW (1).
- If spout drips, operate handles several times from OFF to ON position. Do not force - handles turn only 90°.



12 CARE INSTRUCTIONS:

DO: SIMPLY RINSE THE PRODUCT CLEAN WITH CLEAR WATER. DRY WITH A SOFT COTTON FLANNEL CLOTH.

DO NOT: DO NOT CLEAN THE PRODUCT WITH SOAPS, ACID, POLISH, ABRASIVES, HARSH CLEANERS, OR A CLOTH WITH A COARSE SURFACE.

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Speed Connect® Drain Troubleshooting Guide

If sink does not hold water even though Stopper is in the “down” position:

- Follow CABLE ADJUSTMENT PROCEDURE.

If Stopper does not raise up fully or sink drains too slowly:

- Follow CABLE ADJUSTMENT PROCEDURE.

If you need to remove the Stopper:

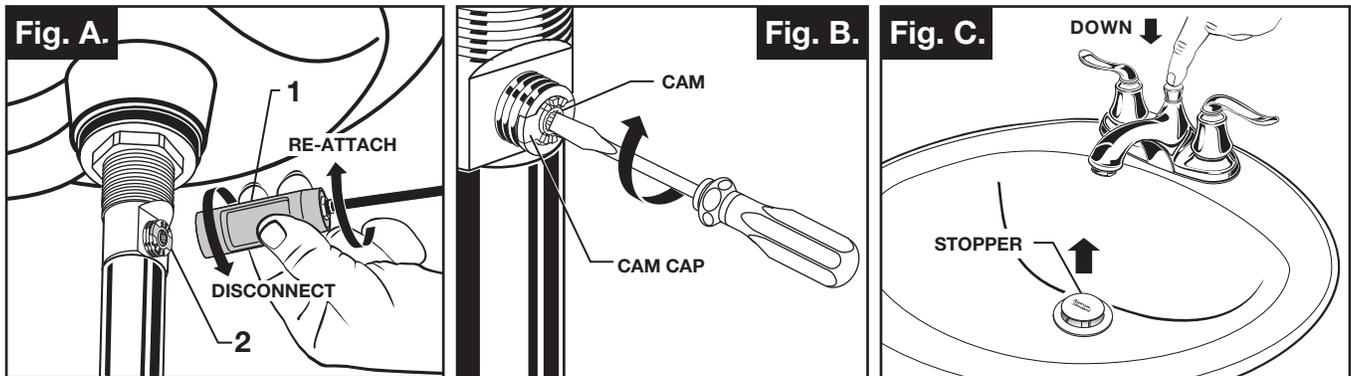
- Follow STOPPER REMOVAL PROCEDURE.

If you would like the ability to remove your Stopper simply by lifting it out of the drain:

- Follow STOPPER INSTALLATION PROCEDURE for “Unlocked” mode.

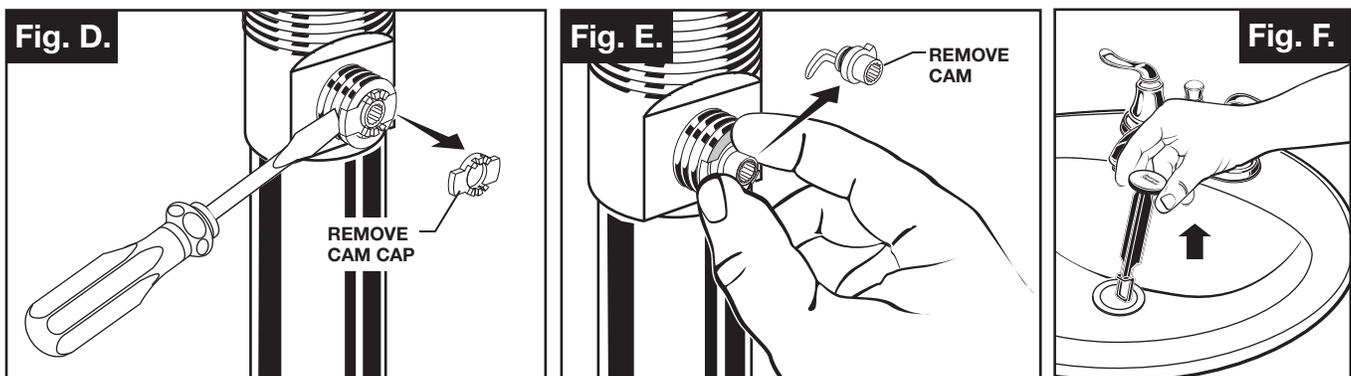
CABLE ADJUSTMENT PROCEDURE

- Disconnect the Cable from the Drain by threading the Cable Connector (1) counter-clockwise. **Fig. A.**
- Look at the area on the Drain Body where the Cable was attached and locate the component labeled as “Cam” in the illustration. **Fig. B.**
- Use a small screwdriver to rotate the Cam in the clockwise direction as far as it will go. At this point the Stopper should be in the UP position. **Fig. B, C.**
- Push DOWN on the Lift-Knob to make sure it is fully down. **Fig. C.**
- Re-attach the Cable to the Drain Body Connection (2) by threading the Cable Connector (1) clockwise onto the Drain Body Connection (2) and hand-tighten. **Fig. A.**



STOPPER REMOVAL PROCEDURE

- Disconnect the Cable from the Drain by threading the Cable Connector (1) counter-clockwise. **Fig. A.**
- Look at the area on the Drain Body where the Cable was attached and locate the component labeled as “Cam” and “Cam Cap” in the illustration. **Fig. B.**
- Use fingers or small screwdriver under either side of the Cam Cap to pry it out from the Drain. **Fig. D.**
- Remove the Cam by pulling it straight out while wiggling gently to loosen the Rubber Seal. **Fig. E.**
- The Stopper can now be removed by lifting it out of the Drain. **Fig. F.**

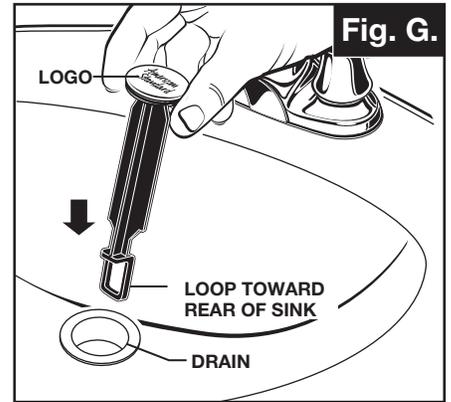


STOPPER INSTALLATION PROCEDURE

The Stopper can be installed two ways, “Locked” Mode (Stopper cannot be removed) or “Unlock” Mode (Stopper is removable).

Locked Mode:

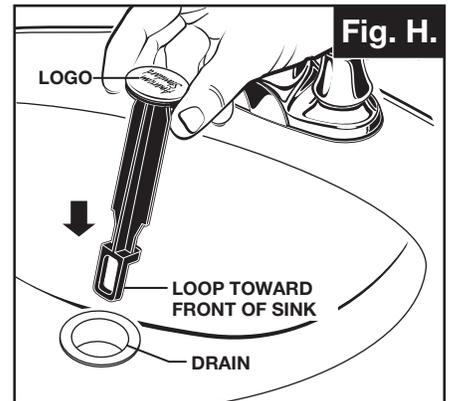
- Look at the Plastic Loop at the bottom of the Stopper and notice that the Loop is on one side of the Stopper. **Fig. G.**
- To install the stopper in “Locked” mode, insert the Stopper into the Drain so that the Plastic Loop is facing toward the rear of the Sink and the American Standard logo is facing front. Rotate Stopper slightly if necessary so that the Stopper slides all the way down. **Fig. G.**
- Re-install the Cam into the Drain, rotating the Cam if necessary to make sure it is fully inserted. **Fig. J.**
- Re-install the Cam Cap, making sure the guide teeth are facing outward. If the Cam Cap does not “snap” into place, then rotate the Cam to make sure it is fully inserted. **Fig. K.**
- Re-attach Cable. See “CABLE ADJUSTMENT PROCEDURE” in Troubleshooting Guide to complete installation. Stopper will be in “Locked” mode and not be removable.



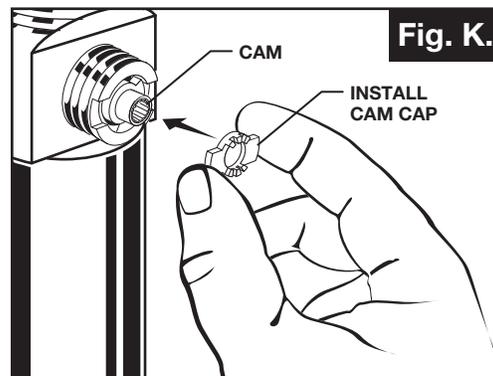
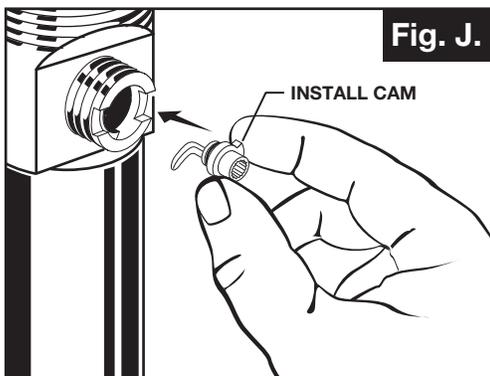
**Locked Mode
(Vandal Proof)**

Unlocked Mode:

- Look at the Plastic Loop at the bottom of the Stopper and notice that the Loop is on one side of the Stopper. **Fig. H.**
- To install the stopper in “Unlocked” mode, insert the Stopper into the Drain so that the Plastic Loop is facing toward the front of the Sink and the American Standard logo is facing rear. Rotate Stopper slightly if necessary so that the Stopper slides all the way down. **Fig. H.**
- Re-install the Cam into the Drain, rotating the Cam if necessary to make sure it is fully inserted. **Fig. J.**
- Re-install the Cam Cap, making sure the guide teeth are facing outward. If the Cam Cap does not “snap” into place, then rotate the Cam to make sure it is fully inserted. **Fig. K.**
- Re-attach Cable. See “CABLE ADJUSTMENT PROCEDURE” in “Troubleshooting Guide” to complete installation. Stopper will be in “Unlocked” mode and removable.



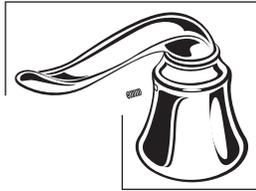
Unlocked Mode



American Standard

**PRINCETON®
Center Set Faucet**

4508.201



M916808-YYY0A
METAL LEVER HANDLE

M918504-0070A
HANDLE SCREW

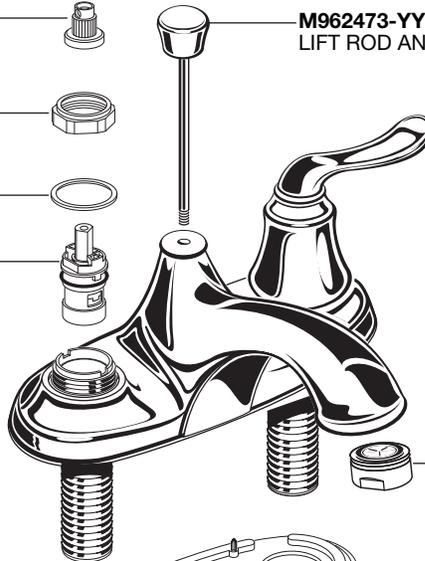
M918021-0070A
ADAPTER

M904900-0070A
VALVE NUT

M913806-0070A
BEARING WASHER

A954120-0070A
VALVE

M962473-YYY0A
LIFT ROD AND KNOB



M964481-YYY0A
AERATOR (1.2 GPM)

M923058-0070A
PUTTY PLATE

065800-0070A
ATTACHMENT NUT

M952425-YYY0A
DRAIN ASSEMBLY

M919660-0020A
6" TAILPIECE
(NOT INCLUDED
WITH FAUCET)

Replace the "YYY" with appropriate finish code

CHROME	002
OIL RUBBED BRONZE	224
SATIN NICKLE	295

M962544-YYY0A
STOPPER
ASSEMBLY

M952430-0070A
CABLE ASSEMBLY

M962457-YYY0A
FLANGE
ASSEMBLY

M922872-0070A
CAM SEAT INSERT

M962552-0070A
CAM ASSEMBLY

M913207-0070A
TAILPIECE INSERT

A919661-0020A
TAILPIECE

M962458-0070A
DRAIN MOUNTING KIT

HOT LINE FOR HELP

For toll-free information and answers to your questions, call:
1 (800) 442-1902
Mon. - Fri. 8:00 a.m. to 8:00 p.m. EST
Saturday 10:00 a.m. to 4:00 p.m. EST
IN CANADA 1-800-387-0369
(TORONTO 1-905-306-1093)
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