


P-1

INSTALLATION INSTRUCTIONS

American Standard

MADERA 16-1/2" HEIGHT FLUSH VALVE FLOOR MOUNTED TOILETS

Model 3461, 3462, 3463, 3464, 3465, 3466

 Meets the American Disabilities Act Guidelines and ANSI A117.1 Requirements for the Physically Challenged

Thank you for selecting American Standard – the benchmark of fine quality for over 100 years. To ensure this product is installed properly, please read these instructions carefully before you begin. (Certain installations may require professional help.) Also be sure your installation conforms to local codes.

⚠ CAUTION: PRODUCT IS FRAGILE. TWO PEOPLE ARE RECOMMENDED FOR HANDLING TO AVOID BREAKAGE AND POSSIBLE INJURY!

NOTE: For proper operation product requires a minimum of 30 psi working line pressure

RECOMMENDED TOOLS AND MATERIALS

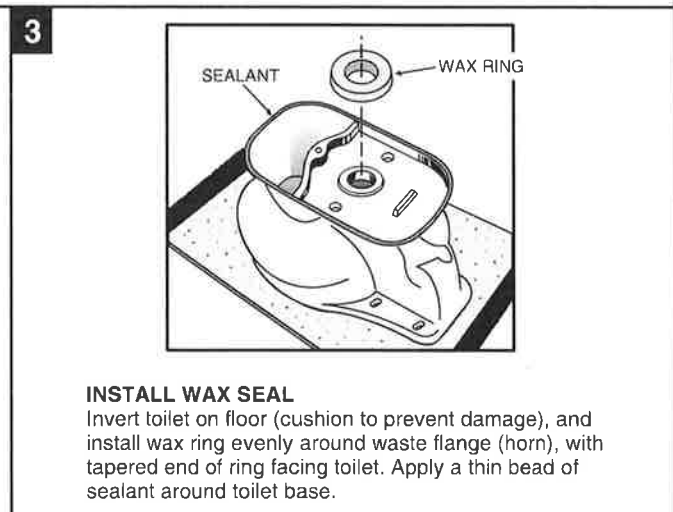
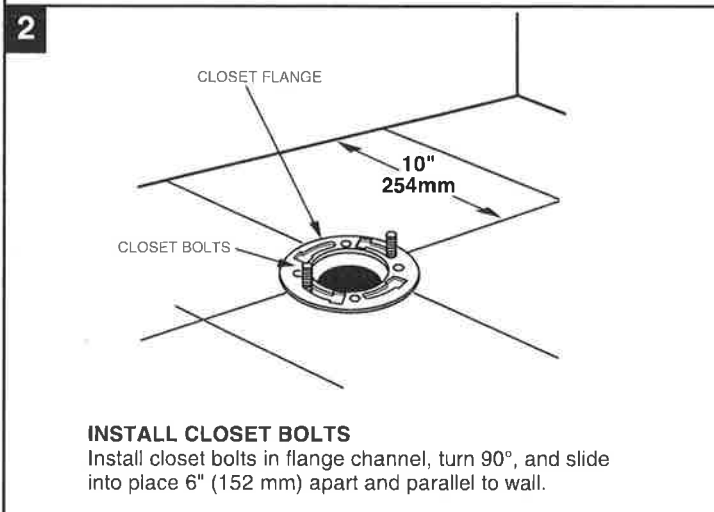
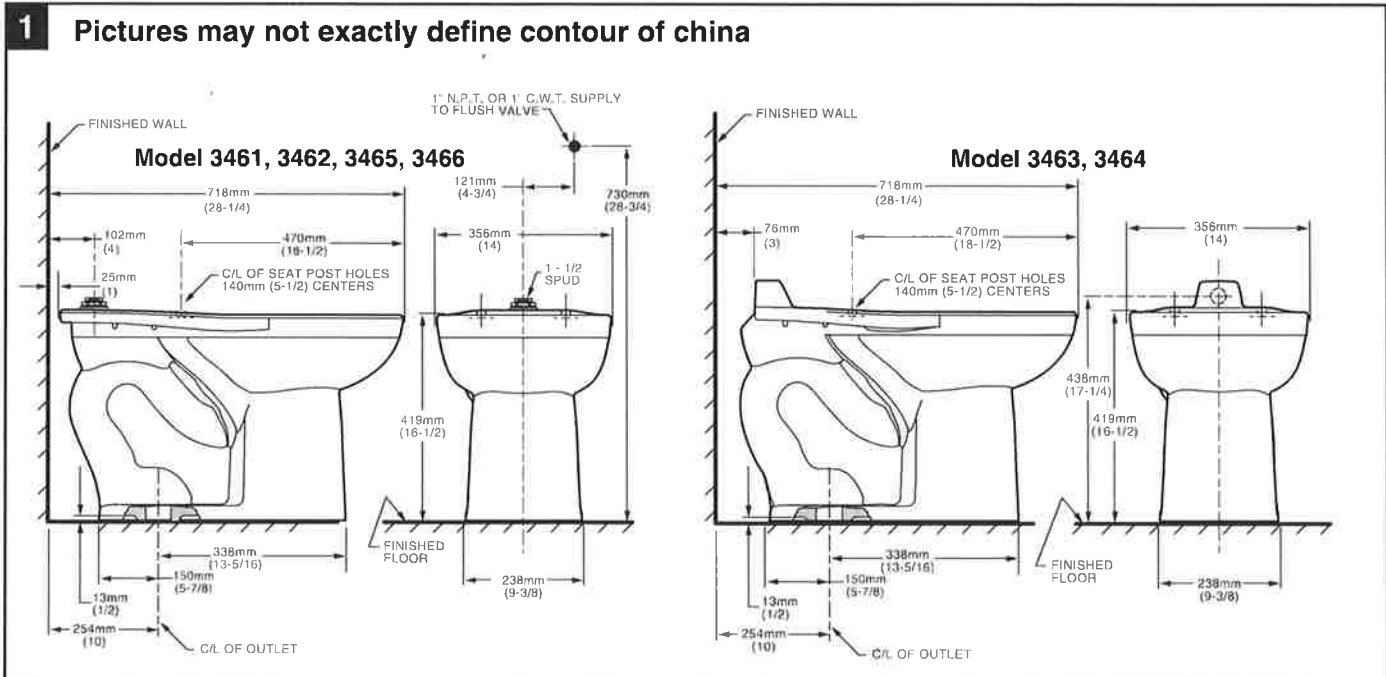
Putty Knife

Regular Screwdriver
Adjustable Wrench

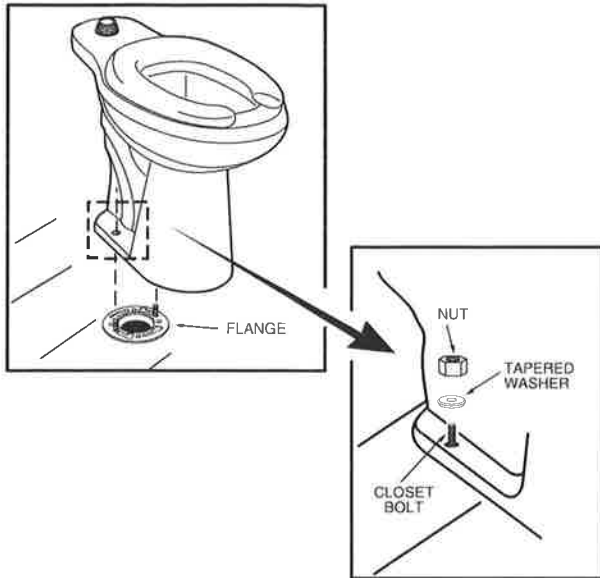
Sealant
Tape Measure

Carpenters Level
Flush Valve

SAVE FOR FUTURE USE



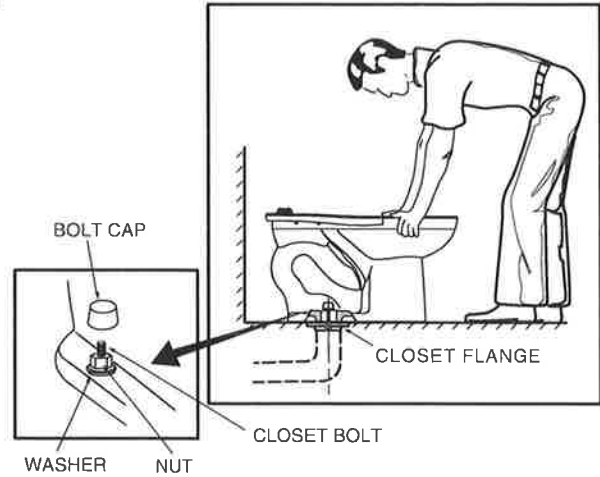
4



POSITION TOILET ON FLANGE

- Unplug floor waste opening and install toilet on closet flange so bolts project through mounting holes.
- Loosely install retainer washers and nuts. Side of washers marked "THIS SIDE UP" *must* face up!

5



INSTALL TOILET

- Position toilet squarely to wall and, with a rocking motion, press bowl down fully on wax ring and flange. Alternately tighten nuts until toilet is firmly seated on floor.



CAUTION:
DO NOT OVERTIGHTEN NUTS
OR BASE MAY BE DAMAGED!

- Install caps on washers. (If necessary, cut bolt height to size before installing caps.)
- Smooth off the bead of sealant around base. Remove excess sealant.

AMERICAN-STANDARD ONE-YEAR LIMITED WARRANTY

If inspection of this American-Standard plumbing product, within one year after its initial installation, confirms that it is defective in materials or workmanship, American-Standard will repair or, at its option, exchange the product for a similar model.

This warranty **does not apply** to local building code compliance. Since local building codes vary considerably, the purchaser of this product should check with a local building or plumbing contractor to insure local code compliance before installation.

This warranty **shall be void** if the product has been moved from its initial place of installation; if it has been subjected to faulty maintenance, abuse, misuse, accident or other damage; if it was not installed in accordance with American-Standard's instructions; or if it has been modified in a manner inconsistent with the product as shipped by American-Standard.

American-Standard's option to repair or exchange the product under this warranty does not cover any labor or other costs of removal or installation, **nor shall American-Standard be responsible for any other incidental or consequential damages attributable to a product defect or to the repair or exchange of a defective product, all of which are expressly excluded from this warranty.** (Some states or provinces do not allow the exclusion or limitation of implied warranties, so this exclusion may not apply to you.)

This warranty gives you specific legal rights. You may have other statutory rights that vary from state to state or from province to province, in which case this warranty does not affect such statutory rights.

For service under this warranty, it is suggested that a claim be made through the contractor or dealer from or through whom the product was purchased, or that a service request (including a description of the product model and of the defect) be sent to the following address:

In the United States:
American Standard Inc.
P.O. Box 6820
Piscataway, New Jersey 08855
Attention: Director of Consumer Affairs

For residents of the United States, warranty information may also be obtained by calling the following toll free number: (800) 442-1902
www.americanstandard-us.com

In Canada:
American-Standard
2480 Stanfield Road
Mississauga, Ontario
Canada L4Y 1S2
Toll Free: (800) 387-0369
www.americanstandard.ca

In Mexico:
Customer Service Manager
Ideal Standard, S.A. de C.V.
Via Morelos #330
Col. Santa Clara
Ecatepec 55540 Edo. Mexico
www.americanstandard.com.mx

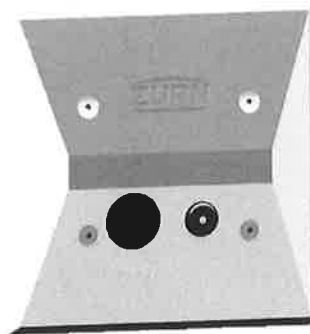


AquaSense®

ZEMS G2 Series

Automatic Systems Sensor-Operated
Flushometer

Installation, Operation, Maintenance
and Parts Manual



Sensor-Operated Exposed Systems

ZEMS6000AV	ZEMS6200AV-3
ZEMS6200AV	ZEMS6001AV
ZEMS6000AV-2	ZEMS6201AV
ZEMS6200AV-2	ZEMS6003AV
ZEMS6000AV-3	ZEMS6203AV

Sensor-Operated Concealed Systems

ZEMS6140AV	ZEMS6190AV
ZEMS6240AV	ZEMS6290AV
ZEMS6152AV	ZEMS6195AV
ZEMS6252AV	ZEMS6295AV
ZEMS6153AV	ZEMS6197AV
ZEMS6253AV	ZEMS6297AV

⚠ **WARNING:** Cancer and Reproductive Harm - www.P65Warnings.ca.gov

⚠ **ADVERTENCIA:** Cáncer y daño reproductivo - www.P65Warnings.ca.gov

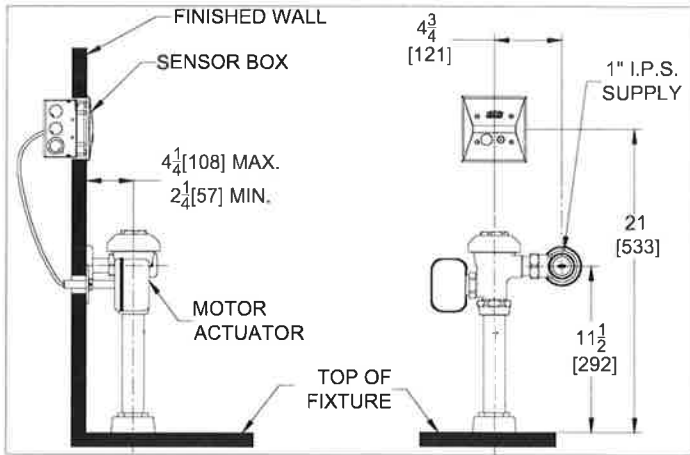
⚠ **AVERTISSEMENT:** Cancer et effets néfastes sur la reproduction - www.P65Warnings.ca.gov

LIMITED WARRANTY

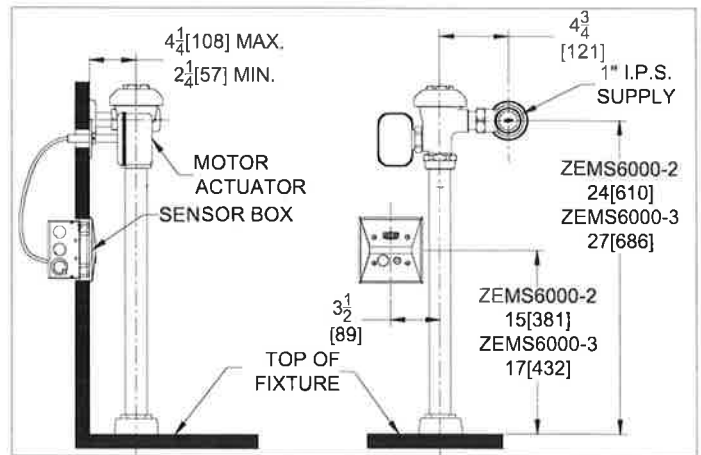
All goods sold hereunder are warranted to be free from defects in material and factory workmanship for a period of five years from the date of purchase. Decorative finishes warranted for one year. We will replace at no costs goods that prove defective provided we are notified in writing of such defect and the goods are returned to us prepaid at Sanford, NC, with evidence that they have been properly maintained and used in accordance with instructions. We shall not be responsible for any labor charges or any loss, injury or damages whatsoever, including incidental or consequential damages. The sole and exclusive remedy shall be limited to the replacement of the defective goods. Before installation and use, the purchaser shall determine the suitability of the product for his intended use and the purchaser assumes all risk and liability whatever in connection therewith. Where permitted by law, the implied warranty of merchantability is expressly excluded. If the products sold hereunder are "consumer products," the implied warranty of merchantability is limited to a period of three years and shall be limited solely to the replacement of the defective goods. All weights stated in our catalogs and lists are approximate and are not guaranteed.

Valve Rough-In

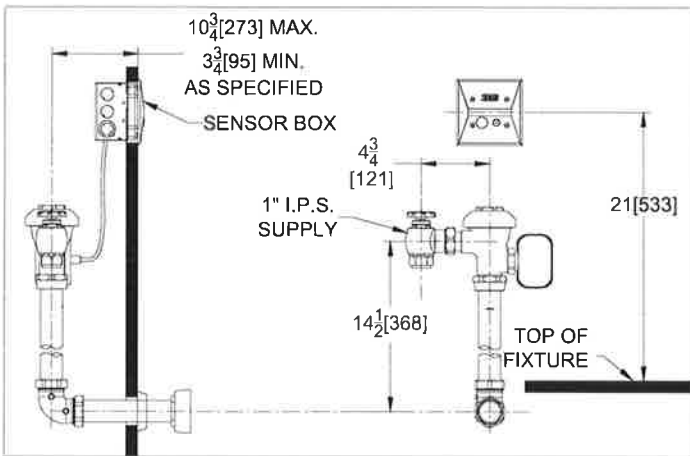
Models
ZEMS6000 and ZEMS6200



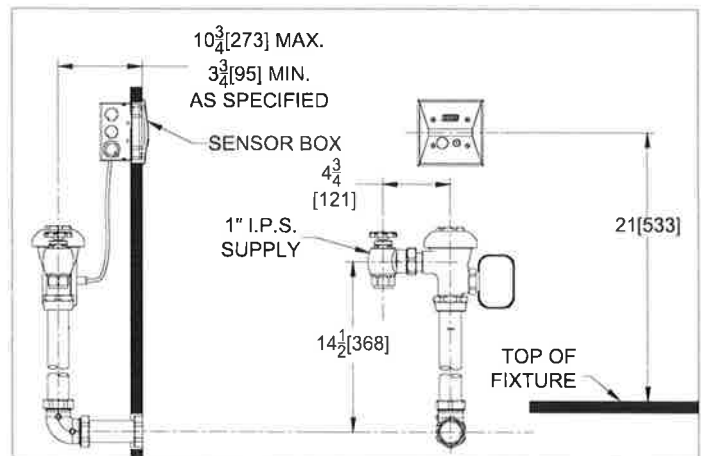
Models
ZEMS6000-2, ZEMS6000-3
ZEMS6200-2, ZEMS6200-3



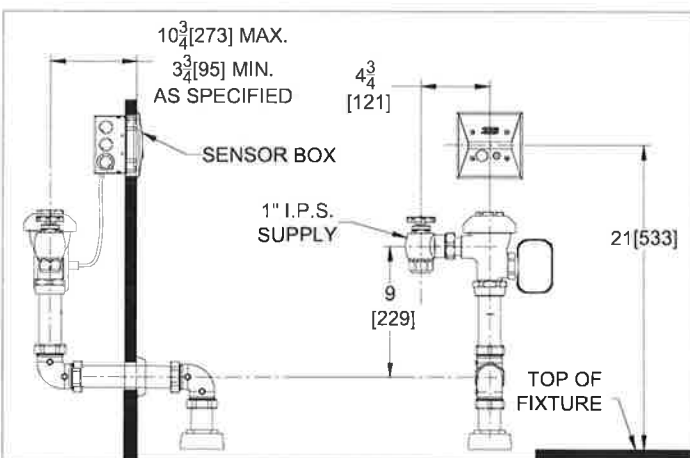
Models
ZEMS6140 and ZEMS6240



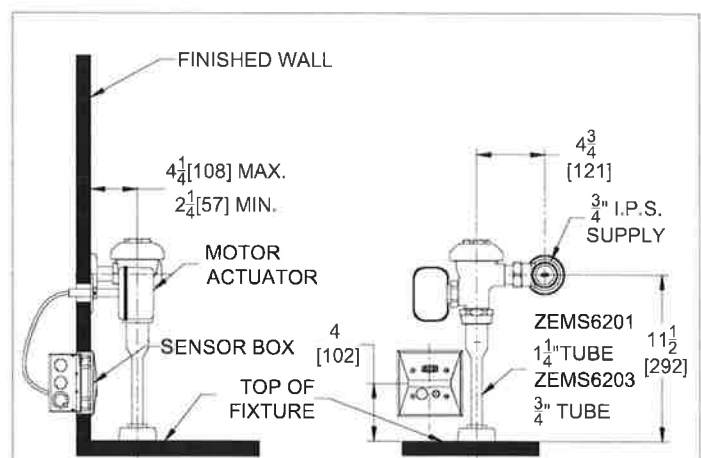
Models
ZEMS6152 and ZEMS6252



Models
ZEMS6153 and ZEMS6253



Models
ZEMS6001, ZEMS6003
ZEMS6201, ZEMS6203

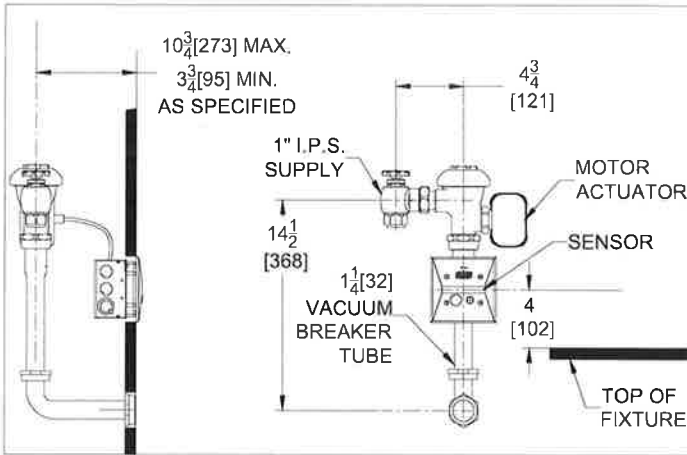


NOTES:

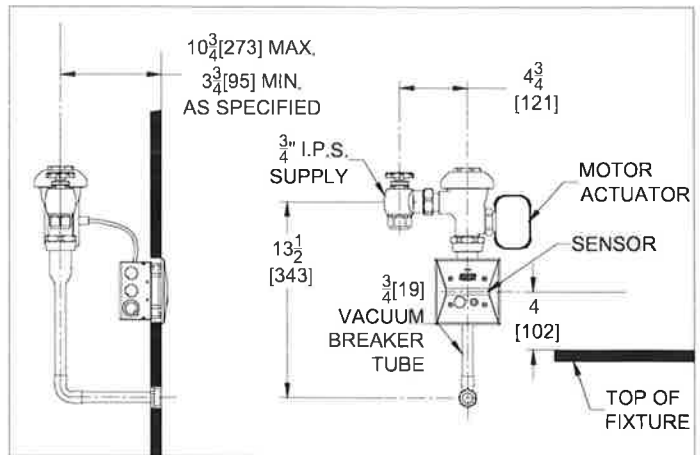
FOR INSTALLATIONS WITH GRAB BAR, CENTERLINE OF 4 X 4 BOX MUST BE A MINIMUM OF 4 INCHES ABOVE CENTERLINE OF GRAB BAR.

Valve Rough-In (Continued)

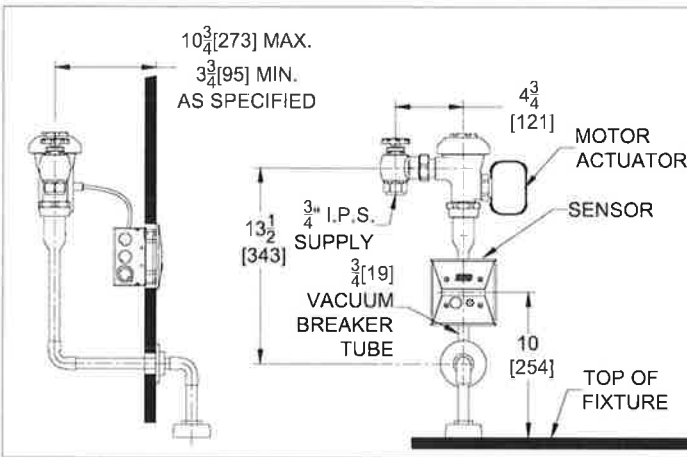
Models
ZEMS6190 and ZEMS6290



Models
ZEMS6195 and ZEMS6295



Models
ZEMS6197 and ZEMS6297



Prior to Installation

Prior to installing the Zurn Automatic Sensor-equipped Flushometer, install the items listed below as illustrated in Figures 1 through 3.

- 2-gang electrical box (4 x 4 x 2 1/8, use Steel City #52171-N box, and #52-C-18 device cover or equivalent for sensor with closet or urinal installs);
- Optional: Single-gang electrical outlet for plug-in power converter.
- Electrical wiring to the power converter outlet (120 VAC, 35 watts service required for each power converter used).
- Closet fixture.
- Zurn carrier system, Z1200 series or equal.

Important:

- **ALL ELECTRICAL WIRING IS TO BE INSTALLED IN ACCORDANCE WITH NATIONAL/LOCAL CODES AND REGULATIONS.**
- **ALL PLUMBING IS TO BE INSTALLED IN ACCORDANCE WITH APPLICABLE CODES AND REGULATIONS.**
- **WATER SUPPLY LINES MUST BE SIZED TO PROVIDE AN ADEQUATE VOLUME OF WATER FOR EACH FIXTURE.**
- **FLUSH ALL WATER LINES PRIOR TO MAKING CONNECTIONS.**
- **SENSOR UNITS SHOULD NOT BE LOCATED ACROSS FROM EACH OTHER OR IN CLOSE PROXIMITY TO HIGHLY REFLECTIVE SURFACES.**
- **CONTROL STOP SHOULD NEVER BE OPENED TO ALLOW FLOW GREATER THAN FIXTURE IS CAPABLE OF EVACUATING. IN THE EVENT OF VALVE FAILURE, FIXTURE MUST BE ABLE TO HANDLE A CONTINUOUS FLOW.**

Electrical

AC/DC Power Supply

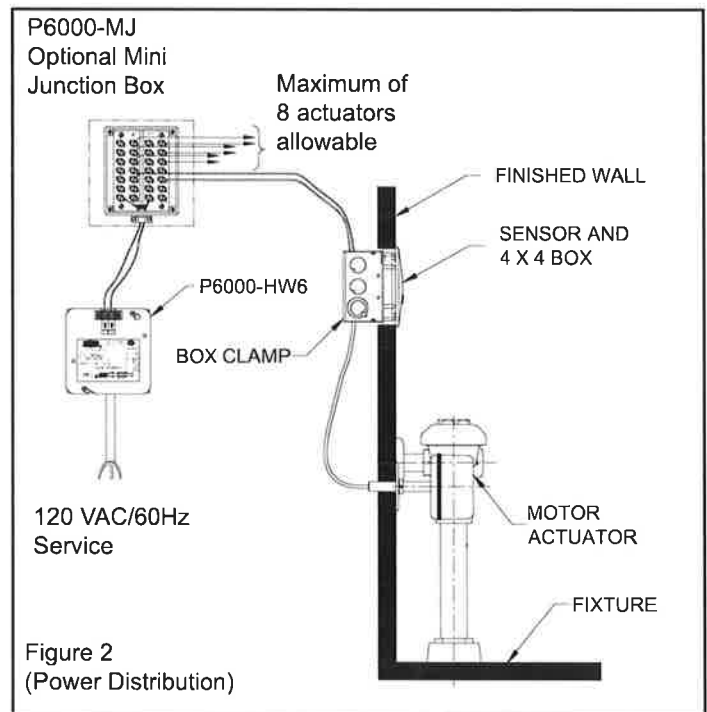
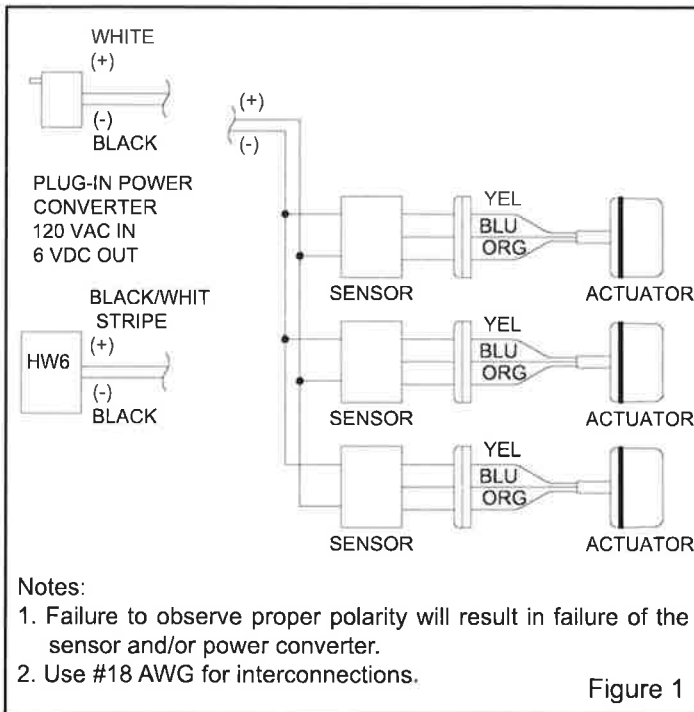
Install hardwired power supply (P6000-HW6) or receptacle for the Zurn Power Converter (P6900-ACA-BA) in a convenient location. An optional mini junction box (P6000-MJ) is recommended to distribute power to each sensor location.

NOTE: One Zurn P6000-HW6 can operate up to eight automatic sensor equipped flushometers, and the optional P6000-ACA-BA Power Converter can handle up to six flushometers and is supplied with a six-foot cord. If additional wire is needed from the Power Converter to the Flushometer(s), use #18 AWG (not provided). **Do not supply power** to the Power Converter until installation of actuator, sensor and Flushometer is completed and checked. **Proper polarity must be observed or damage to one or all components will result.**

Electrical Hook-up (Figure 1)

Be certain power is off to prevent damage to electrical components. Connect the sensor to the actuator and power converter exactly as shown in Figure 1.

Double check that power converter polarity is correct.



Sensor Installation

STEP 1 – Locate Sensor Box

Locate sensor box in the wall according to model number as shown on pages 2 and 3. Install plaster ring so screw holes are on left and right side of box (as shown in Figure 3). Trim tiles to allow screw holes in plaster ring to show.

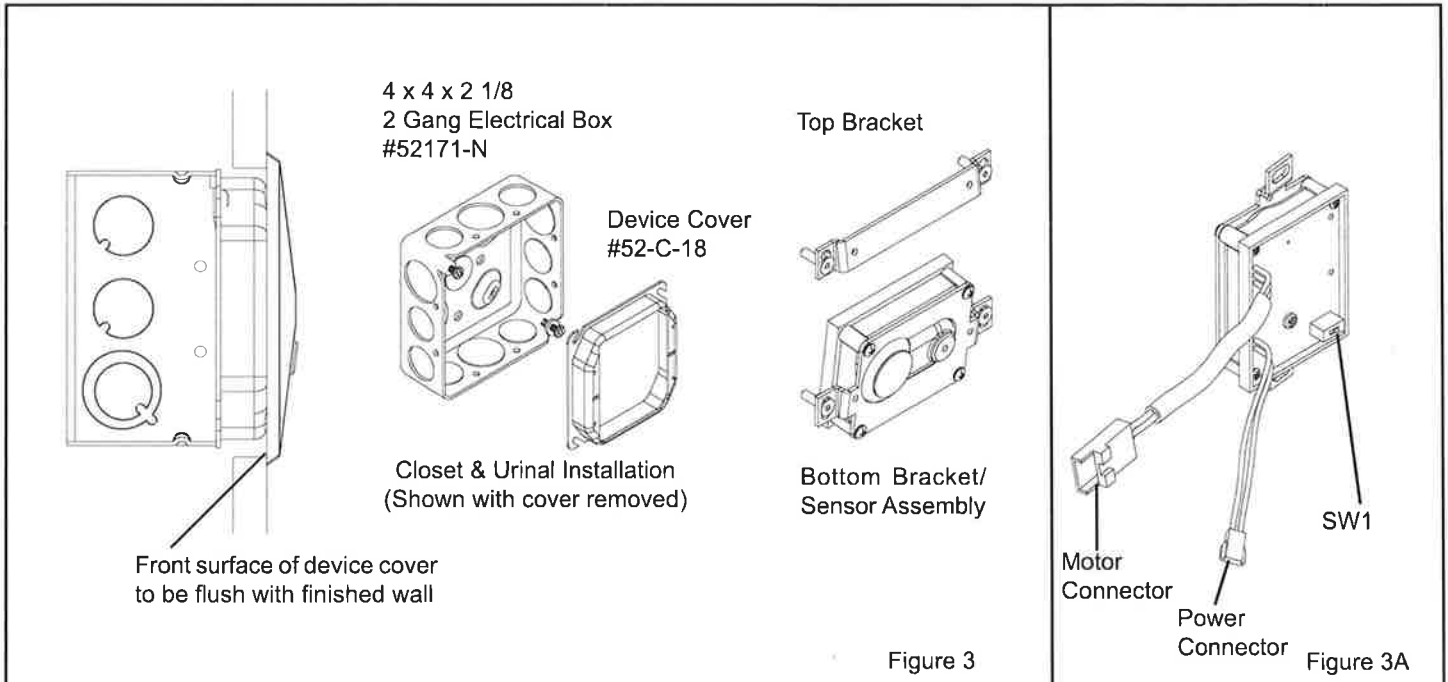
Note: Product is configured at time of shipment for a 168 hour trap seal flush (SW1 in OFF position on rear of sensor). If a 48 hour trap seal flush is desired, set SW1 to ON position. (Figure 3A)

STEP 2 – Mount Automatic Sensor (Figure 3)

Install the Zurn Automatic Sensor into the lower half of the 2-gang electrical box using two (2) screws provided. Connect the 2-wire power cable and 3-wire actuator cable to sensor. Connectors are keyed to insure correct polarity. Ensure that the sensor is mounted in the orientation shown (with lens angled downward, see Figure 4).

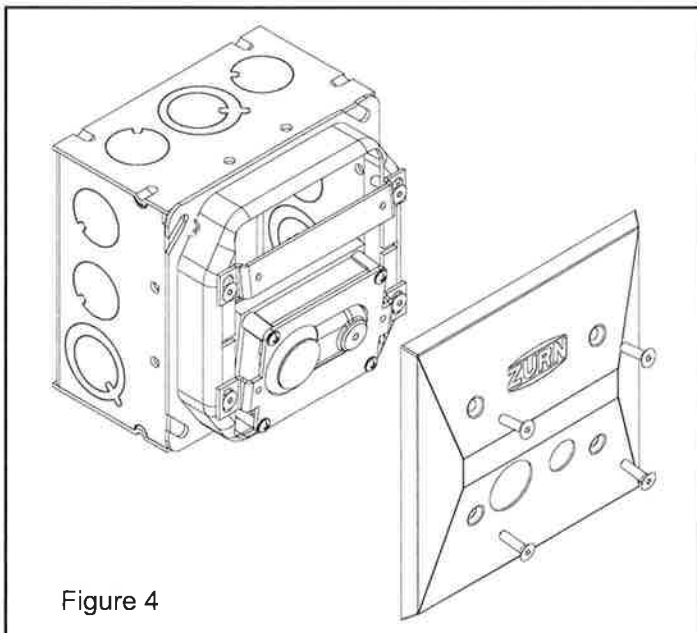
STEP 3 – Install Top Bracket (Figure 3)

Fasten the Top Bracket to the electrical box using (2) screws provided. Ensure that bracket is mounted in the orientation shown (with face angled upward, see Figure 4).



STEP 4 – Install Cover Plate (Figure 4)

Perform a trial fit of the Cover Plate and adjust positions of the sensor and top bracket as needed to ensure alignment of sensor lens, button, and cover screws. Fasten Cover Plate with (4) screws provided.



Mechanical

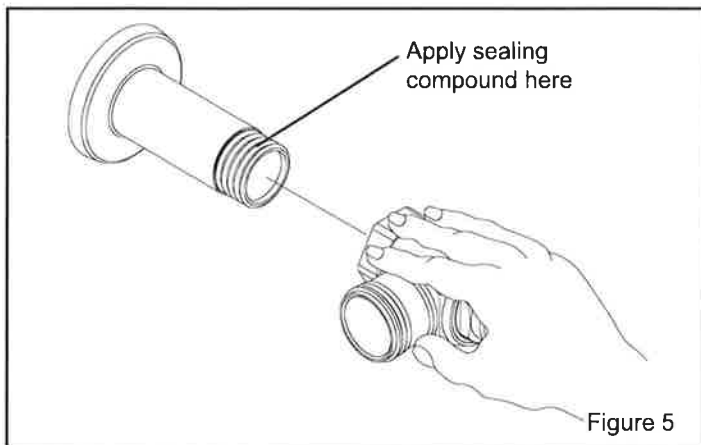
The AquaVantage® design is optimized to operate between 25 and 80 psi (172 to 552 kPa) of water pressure (running). The minimum pressure required for the valve to work properly is determined by the fixture selected. Please consult fixture manufacturer for water pressure requirements. Protect the chrome or special finish of this flushometer during installation. **Do not use toothed tools to install or service the valve as this will damage the finish.** Also, see "Care and Cleaning" section of this manual.

Control Stop Installation Instructions

STEP 1

Install control stop assembly by threading it onto water supply pipe and tightening with a smooth jawed wrench. Apply thread sealing compound or pipe tape to male NPT thread on sweat solder adapter only. See Figure 5.

Prior to turning on main water supply line ensure all stop valves are closed off tight by using a flathead screwdriver and turning the stop valve adjustment screw clockwise.

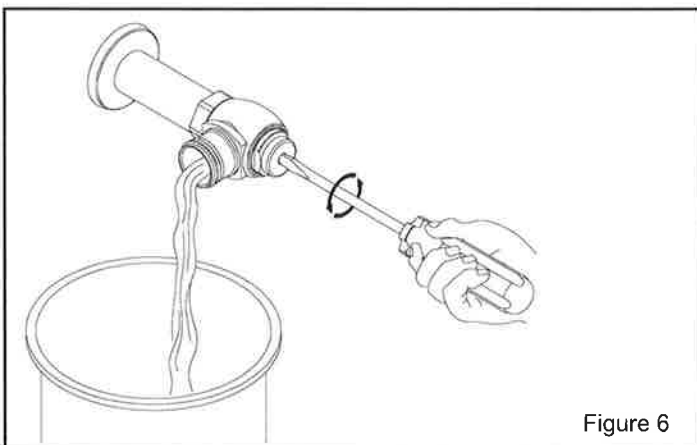


STEP 2

When all stop valves are properly connected to the water supply line and water pressure is available open the control stop using a flathead screwdriver and turning the stop valve adjustment screw counter clockwise. See Figure 6.

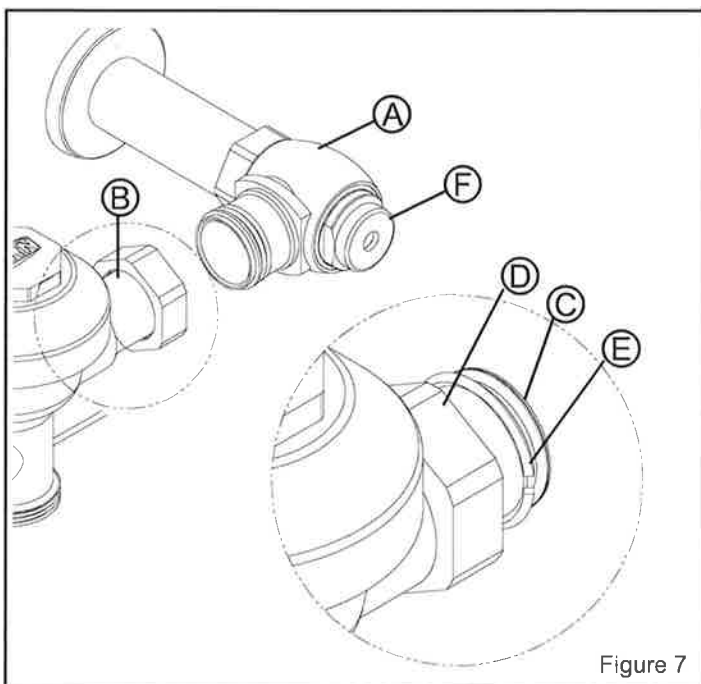
Allow the water supply line to flush any debris or sediment that may be present in the line.

Close the control stop once the lines are completely flushed.



Flush Valve Installation

Prior to attaching flush valve to control inspect and verify that the O-ring seal is located within the O-ring groove at the tailpiece. Ensure the locking nut and locking snap ring are also present on the tailpiece. See Figure 7. Lubricate O-ring with water if necessary and insert flush valve tailpiece into the control stop valve. Tighten locking nut using a smooth jawed wrench.



Install Vacuum Breaker Flush Connection

Models ZEMS6000, ZEMS6000-2, ZEMS6000-3, ZEMS6001, ZEMS6003, ZEMS6200, ZEMS6200-2, ZEMS6200-3, ZEMS6201, and ZEMS6203

Slide the tube nut (H), spud nut (G), slip gasket, rubber gasket and spud escutcheon over the vacuum breaker tube and insert tube into fixture spud. Hand tighten tube nut to valve body and hand tighten spud nut onto fixture spud. Adjust the valve assembly for plumb. Tighten fixture spud nut (G), vacuum breaker tube nut (H) and lock nut (D) (fig. 7 & 8) with a wrench.

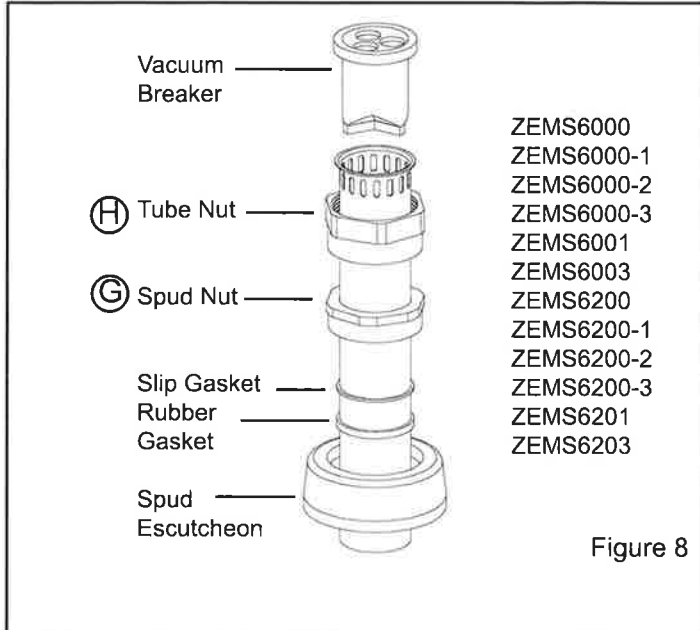


Figure 8

Models ZEMS6140, ZEMS6152, ZEMS6153, ZEMS6190, ZEMS6195, ZEMS6197, ZEMS6240, ZEMS6252, ZEMS6253, ZEMS6290, ZEMS6295 and ZEMS6297 (Figure 9)

NOTE: When cutting scored pipe, leave a minimum of 1-1/4" of scoring to ensure engagement with compression coupling. Assemble pipe, elbows, couplings, slip washers, rubber gaskets and flanges as illustrated in Figure 9. Hand tighten all couplings. Once installation is completed, tighten all connections.

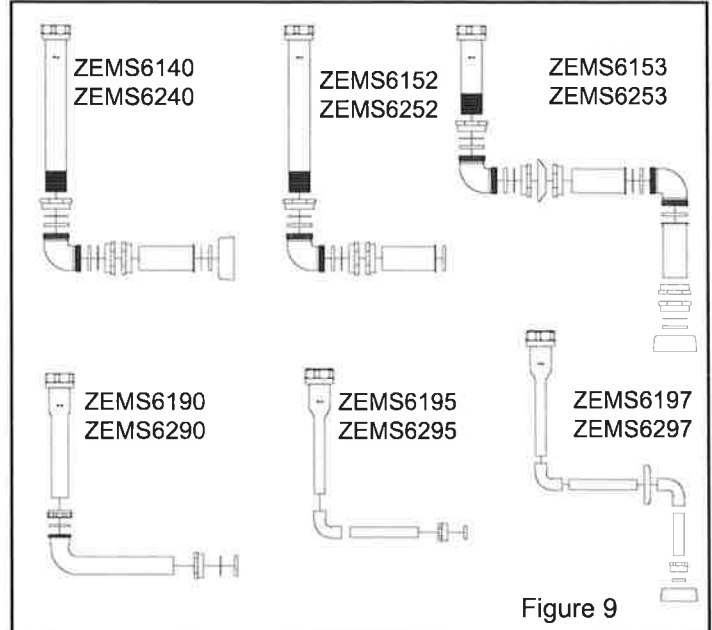


Figure 9

Motor Actuator Installation

1. Drill 1-3/4" diameter hole per Figures 10 or 11.
2. Run "fish tape" from electrical box to 1-3/4" hole.
3. Install actuator escutcheon to the actuator pipe with setscrew toward actuator. Do not tighten setscrew at this time.
4. Pull actuator cable through hole with fish tape and back to sensor box. Secure cable to box with box clamp.
5. With escutcheon loose and handle port washer installed, push cable into wall. The actuator must be angled away from the valve body at this time until the actuator push rod clears the handle port flange. The actuator can now be mounted to the flush valve and tightened.
6. Push escutcheon back to wall and tighten setscrew.

NOTE: See Figure 2 for typical installation including optional mini junction box.

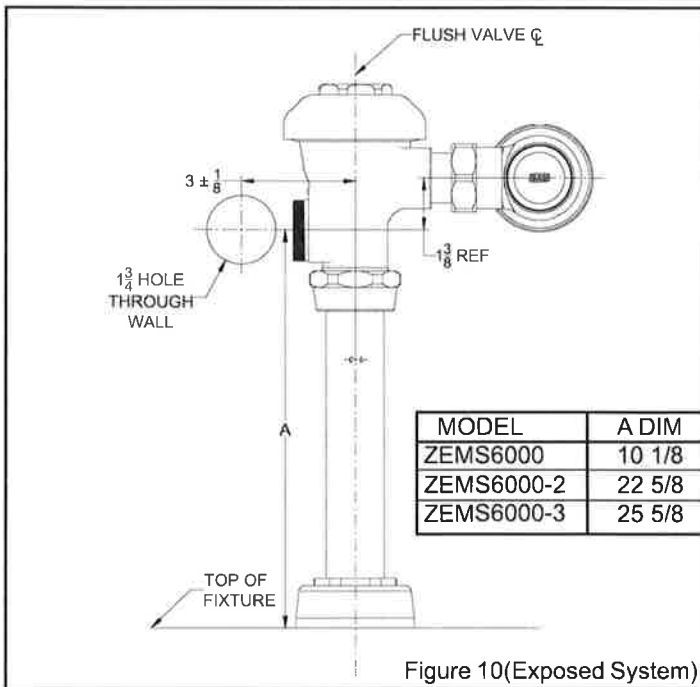


Figure 10(Exposed System)

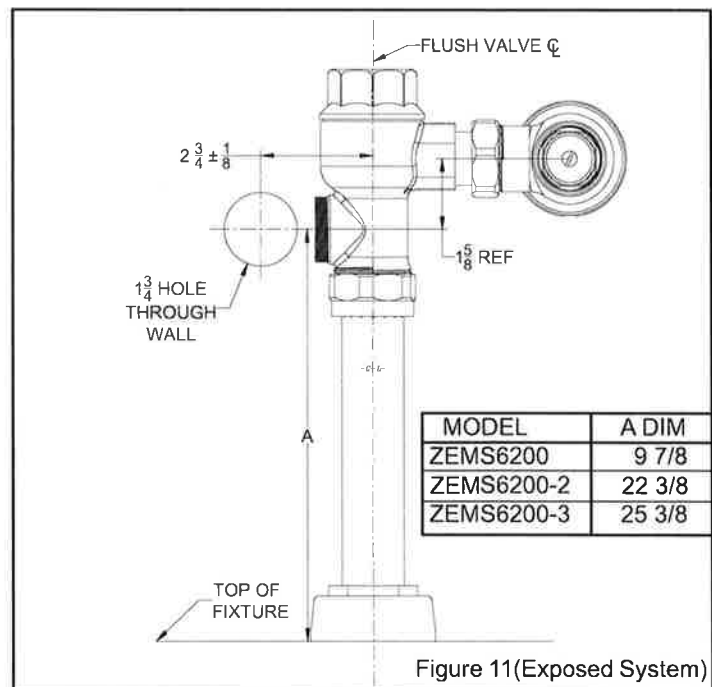


Figure 11(Exposed System)

Customized Sensor Range Setting

The ZEMS is factory set to accommodate most closet and urinal installations. If this factory setting does not accommodate your specific environment, follow steps below to customize your range settings for your specific ZEMS model.

CALIBRATION INSTRUCTIONS FOR ZEMS G2

1. Obtain a target. SEE FIGURE 12.
2. PRESS and HOLD button for 10 seconds or until the LED turns solid.
(*Unit will blink four times and flush once while button is being held)
3. RELEASE finger after LED turns solid.
4. PRESS and HOLD button when LED starts blinking.
5. RELEASE finger when LED turns solid.
6. Set target at desired distance, (No less than 16") from sensor face and verify NO other objects are in view of sensor face.
7. Keep target steady - Unit will blink while calibrating.
8. After 30 seconds, calibration ends with a fast double blink or a solid LED for 5 seconds.
9. IF THE LED REMAINS SOLID FOR 5 SECONDS AFTER CALIBRATION, the calibration was NOT successful. REPEAT STEPS 2-8
10. For closet installations continue to "VERIFY CALIBRATION FOR CLOSET INSTALLATIONS".

Verify Calibration for Closet Installations

1. Stand outside closet stall and close door and verify that sensor does not see stall door. If LED blink/flashes, recalibrate to a shorter range.
2. Slowly open door to closet stall while looking at ZEMS-IS sensor.
3. If led blinks while door is opening, recalibrate to a shorter range.
FAILURE TO DO SO WILL RESULT IN GHOST FLUSHING.

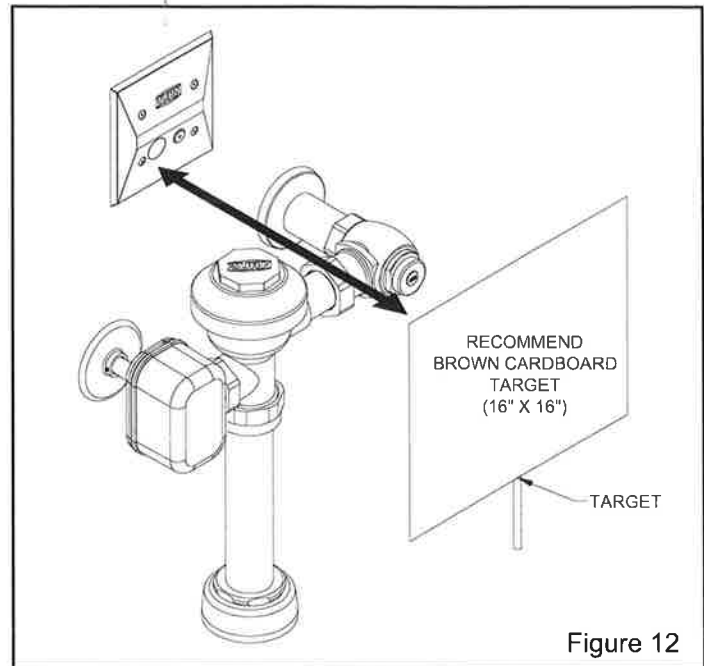


Figure 12

Activating the Motor Actuator with the Sensor

To activate the motor actuator with the sensor, simply place a target in front of the sensor. A single red light will flash indicating the sensor has recognized the target. If the target stays in view for eleven seconds, two flashing red lights will occur. This indicates that the target has been in view for the required time and upon leaving the view, a signal will be sent to the motor actuator to flush the flush valve. NOTE: If the target does not stay in view for the required eleven seconds, a flush will not occur.

IMPORTANT NOTE: Excessive water flow creates noise, while too little flow will not satisfy the needs of the fixture. Proper adjustment is made when:

1. The plumbing fixture is cleansed after each flush without splashing water out from the lip.
2. A quiet flushing cycle is achieved.

After adjustment: Replace the Zurn stop cap screw cover.

Care and Cleaning Instructions

Do not use abrasive or chemical cleaners to clean Flushometers, sensor, and actuators as they may degrade the sensor lens, dull the luster, and attack the chrome or special decorative finishes. Use only mild soap and water, then wipe dry with a clean cloth or towel.

While cleaning the bathroom tile, the Flushometer and actuator should be protected from splattering of cleaner. Do not use acids and cleaning fluids as they can damage the optics lens and chrome plating.

Seasonal use.

Valves that are used in installations subject to shut down because of cold and freezing conditions should be maintained in the following manner.

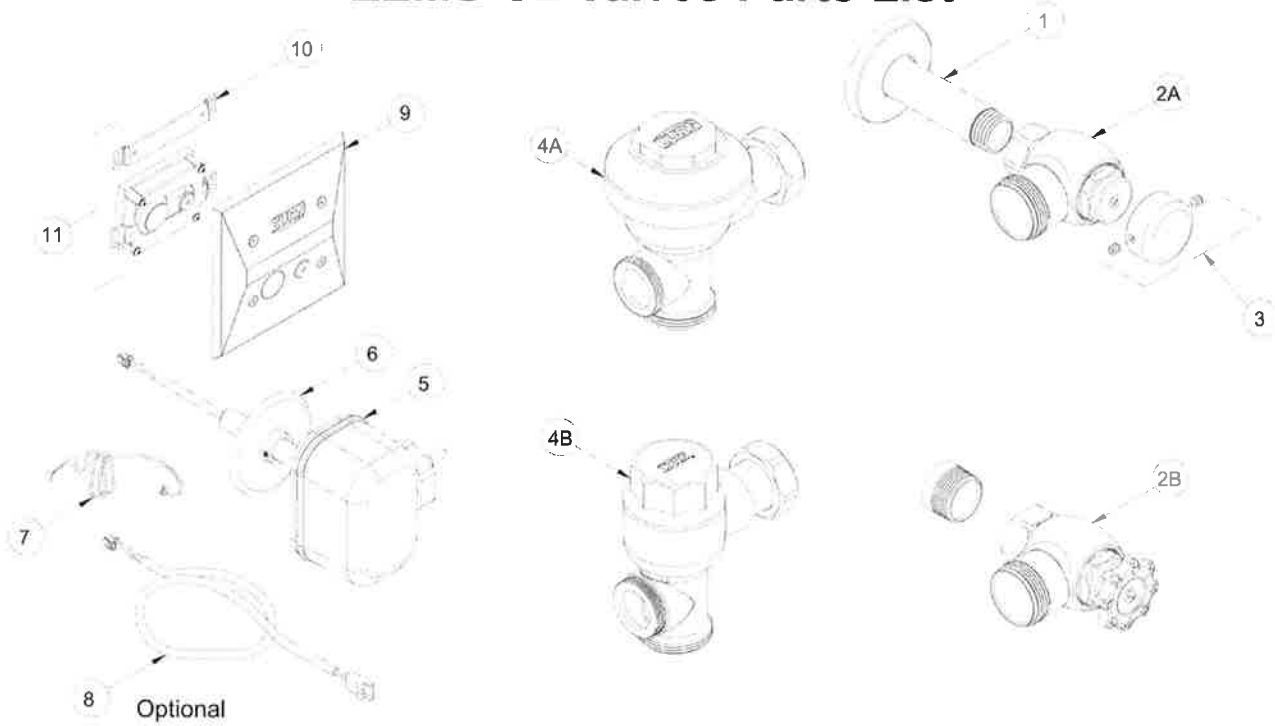
1. Shut off the main supply.
2. Drained water.
3. Remove the stop valve cap and stop internals to allow the water to drain from the flush valve and supply line.

ZEMS G2 Trouble Shooting

Problem	Possible Cause	Corrective Action
Valve will not operate.	1) Stop valve is closed	1) Open stop valve.
	2) Supply valve is closed.	2) Open supply valve.
	3) The electric wire(s) is not connected.	3) Connect the wires.
	4) Sensor lens may be dirty.	4) Clean lens.
	5) Reflective surface in front of sensor.	5) Remove the reflective surface from in front of the sensor.
	6) Detection range not adjusted properly.	6) Adjust the detection range.
	7) The infrared sensor or the actuator is out of order.	7) Contact distributor for replacement.
	8) Sensor fault	8) Replace sensor
	9) No power provided by power supply	9) Replace power supply
Flush valve does not activate after user leaves	1) Sensor does not recognize a user	1) Re-calibrate sensor per "Calibration Instructions" section.
	2) Power supply may be disrupted	2) Check available voltage where escutcheon is attached to wall with DC voltmeter. 7.4-9 VDC is required.
		3) Verify connection to actuator.
Repeated valve activation when power is provided	1) Insufficient DC power level (less than 7.4 volts DC)	1) Upgrade the -HW6 power supply to the new ZURN power supply (greater than 7.4 volts DC) or replace the ACA supply.
Insufficient volume of water to adequately siphon fixture	1) Stop valve is not open enough.	1) Open stop valve for desired volume of water.
	2) Urinal piston installed in closet valve.	2) Replace urinal piston with proper closet piston.
	3) Insufficient volume or pressure at supply.	3) Consult fixture guide for minimum gallons per minute flow and running pressure for satisfactory performance.
Valve is flushing too long or not shutting off.	1) Trip mechanism not seating properly due to foreign material between trip mechanism and seat.	1) Disassemble parts and rinse thoroughly.
	2) By-pass orifice is plugged or partially plugged.	2) Examine by-pass orifice and clean if necessary being certain not to enlarge orifice opening.
	3) Line pressure is not adequate to force trip mechanism to seal.	3) Pressure is inadequate or has dropped below minimum operating range. Steps should be taken to increase the line pressure.
Water splashes out of fixture/	1) Supply volume is more than is necessary.	1) Adjust downward on control stop.
	2) Lime accumulation on vortex or spreader holes of fixture.	2) Remove the lime build up.
Flush is not considered quiet.	1) Control stop may not be adjusted for quiet operation.	1) Adjust the control stop for quiet operation keeping in mind the fixture evacuation requirements.
	2) Fixture may be contributing to noise.	2) Check noise created by fixture by placing a cover over the bowl opening to separate valve noise from bowl noise. If it is determined the fixture is too noisy, consult with fixture manufacturer.
	3) Piping system may be source of noise.	3) High pressure in the system can sometimes be controlled by the stop valve. Other sources of noise may be the absence of air chamber and shock arrestors, loose pipes, improper size pipes, etc. In these cases the building engineer should be consulted.
Flush valve "ghost" flushes or activates randomly with no user present.	1) Sensor Lens may be dirty.	1) Clean lens.
	2) Power supply output is out of tolerance.	2) DC voltage must be between 7.4-9 volts. Check for power fault or malfunction in a unit or replace with a Zurn power converter.
	3) Sensor is viewing stall door.	3) Re-calibrate sensor per "Calibration Instructions" section.
Flush valve shuts off too quick.	Diaphragm Valves	
	1) Damaged diaphragm.	1) Install new P6000-ECA, P6000-EUA replacement kit.
	2) Enlarged by-pass orifice.	2) Install new P6000-ECA, P6000-EUA replacement kit.
	Piston Valves	
	1) Damaged piston.	1) Install new P6200-EC, P6200-EU replacement kit.
	2) Enlarged by-pass orifice.	2) Install new P6200-EC, P6200-EU replacement kit.
Valve is short flushing	Diaphragm Valves	
	1) Enlarged by-pass orifice.	1) Install new P6000-ECA, P6000-EUA replacement kit.
	2) Urinal piston installed in closet valve.	2) Replace urinal piston with proper closet piston.
	Piston Valves	
	1) Enlarged by-pass orifice.	1) Install new P6200-EC, P6200-EU replacement kit.
	2) Urinal piston installed in closet valve.	2) Replace urinal piston with proper closet piston.



ZEMS G2 Valves Parts List

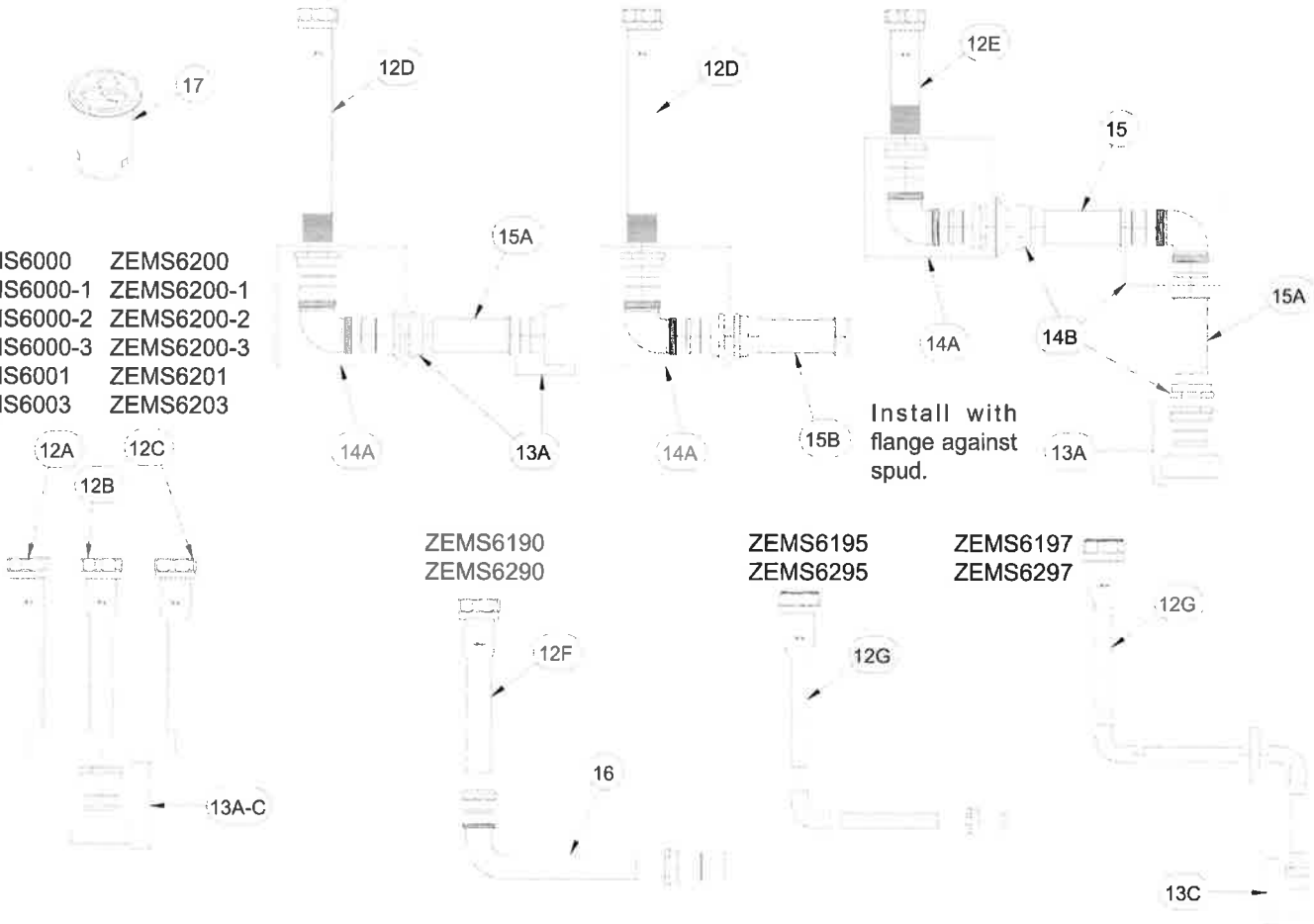


ZEMS6140
ZEMS6240

ZEMS6152
ZEMS6252

ZEMS6153
ZEMS6253

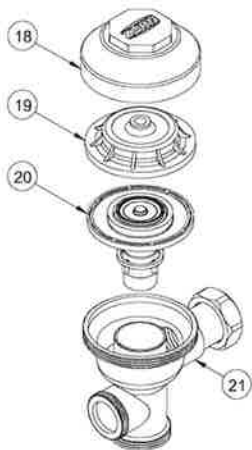
ZEMS6000 ZEMS6200
ZEMS6000-1 ZEMS6200-1
ZEMS6000-2 ZEMS6200-2
ZEMS6000-3 ZEMS6200-3
ZEMS6001 ZEMS6201
ZEMS6003 ZEMS6203



ZEMS G2 Valve Parts List (Continues)

1.	P6000-YBYC	Closet Cast Wall Escutcheon & Solder Kit	12A.	P6000-A-AA-CP	Chrome Plated 1-1/2" X 8 1/2" Vacuum Breaker Assembly
	P6003-YBYC	Urinal Cast Wall Escutcheon & Solder Kit		P6000-2-A-AA-CP	Chrome Plated 1-1/2" X 21" Vacuum Breaker Assembly
2A.	P6000-C-SD-CP	Chrome Plated Closet Stop Assembly		P6000-3-A-AA-CP	Chrome Plated 1-1/2" X 24" Vacuum Breaker Assembly
	P6003-C-SD-CP	Chrome Plated Urinal Stop Assembly			
	P6000-C-SD-RB	Rough Brass Closet Stop Assembly	12B.	P6001-A-AA-CP	Chrome Plated 1-1/4" X 8 1/2" Vacuum Breaker Assembly
	P6003-C-SD-RB	Rough Brass Urinal Stop Assembly	12C.	P6003-A-AA-CP	Chrome Plated 3/4" X 8 1/2" Vacuum Breaker Assembly
2B.	P6000-C-WH-CP	Chrome Plated Closet Stop Assembly for Wheel Handle	12D.	P6000-1-A-AA-RB	Rough Brass 1-1/2" X 12 1/2" Vacuum Breaker Assembly
	P6003-C-WH-CP	Chrome Plated Urinal Stop Assembly for Wheel Handle	12E.	P6000-A-AA-RB	Rough Brass 1-1/2" X 5" Vacuum Breaker Assembly
	P6000-C-WH-RB	Rough Brass Closet Stop Assembly for Wheel Handle	12F.	P6001-10-A-AA-RB	Rough Brass 1-1/4" X 10" Vacuum Breaker Assembly
	P6003-C-WH-RB	Rough Brass Urinal Stop Assembly for Wheel Handle	12G.	P6003-10-A-AA-RB	Rough Brass 3/4" X 10" Vacuum Breaker Assembly
3.	P6000-VC	Vandal-Resistant Control Stop Cover	13A.	P6000-H	1 1/2" Spud Coupling Assembly
4A.	Varies(Z60 __,Z61 __)	Diaphragm Valve	13B.	P6001-H	1 1/4" Spud Coupling Assembly
4B.	Varies(Z62 __)	Piston Valve	13C.	P6003-H	3/4" Spud Coupling Assembly
5.	PEMS6000-HYM-G2	ZEMS Actuator	14A.	P6000-QE3-RB	Rough Brass 1 1/2" Slip Elbow Assembly
6.	PEMS6000-G	ZEMS Escutcheon	14B.	P6000-QE3-CP	Chrome Plated 1 1/2" Slip Elbow Assembly
7.	PEMS6000-CWB-G2	Sensor Power Supply Cable	15A.	P6000-QT1-xx	Chrome Plated Slotless Tube
8.	PEMS6000-CW-G2	Motor-Sensor Connector Extension Cable, 24" (Optional) (Max 2 per installation)	15B.	P6000-QT3-xx	Rough Brass Slotless Tube
			16.	Varies	Rough Brass Slip Elbow
9.	PEMS6000-22-G2	ZEMS Sensor Plate with fasteners	17.	P6000-B-HP	Vacuum Breaker
10.	PEMS6000-22-KIT-G2	ZEMS Top Bracket with fasteners			
11.	PEMS6000-26-G2	ZEMS Sensor with top bracket and fasteners			

Z6000 Series



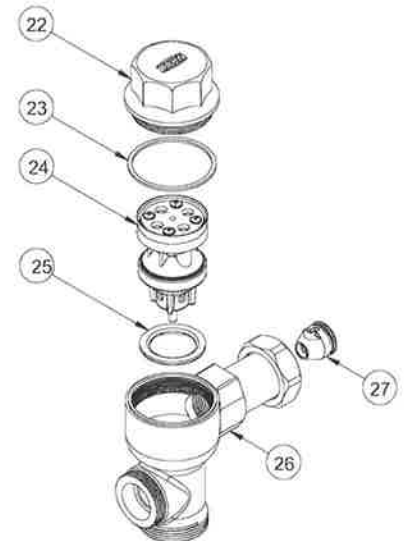
Diaphragm Valves (Z6000 Series)

18.	P6000-LL-CP	Chrome Plated Valve Body Outside Cover
	P6000-LL-RB	Rough Brass Valve Body Outside Cover
19.	P6000-L	Valve Body Inside Cover
20.	P6000-ECA-WS	Closet Repair Kit (3.5 gpf)
	P6000-ECA-WS1	Low Consumption Closet Kit (1.6 gpf)
	P6000-ECA-HET	High Efficiency Closet Kit (1.28 gpf)
	P6000-EUA-WS	Urinal Repair Kit (1.5 gpf)
	P6000-EUA-WS1	Low Consumption Urinal Kit (1.0 gpf)
	P6000-EUA-EWS	High Efficiency Urinal Kit (0.5 gpf)
	P6000-EUA-ULF	Pint Urinal Kit (0.125 gpf)
21.	P6000-19__	Valve Body

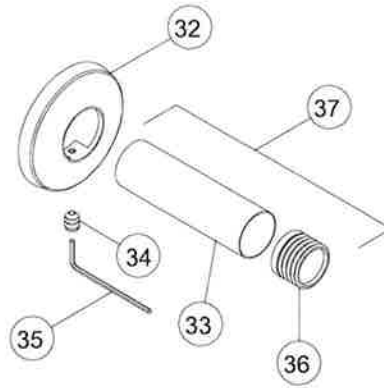
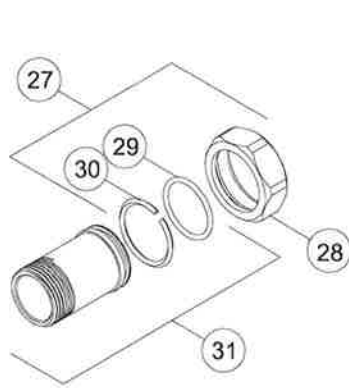
Piston Valves (Z6200 Series)

22.	P6200-LL-CP	Valve Body Cover
	P6200-LL-ULF-CP	.125 gpf Valve Body Cover
23.	P6200-LL-CG	Valve Body Cover Gasket
24.	P6200-EC-WS1	Low Consumption Closet Kit (1.6 gpf)
	P6200-EC-HET	High Efficiency Closet Kit (1.28 gpf)
	P6200-EU-WS1	Low Consumption Urinal Kit (1.0 gpf)
	P6203-EU-EWS	High Efficiency Urinal Kit (0.5 gpf)
	P6203-EU-ULF	Ultra Low Flush Kit (.125 gpf)
25.	P6000-S-30	Main Seat
	P6200-MS-ULF	.125 gpf Main Seat
26.	Varies	Valve Body
27.	PTR6203-FA-LF	Urinal 0.125/0.250 gpf Tailpiece filter

Z6200 Series



Valve Repair Parts List (Continues)

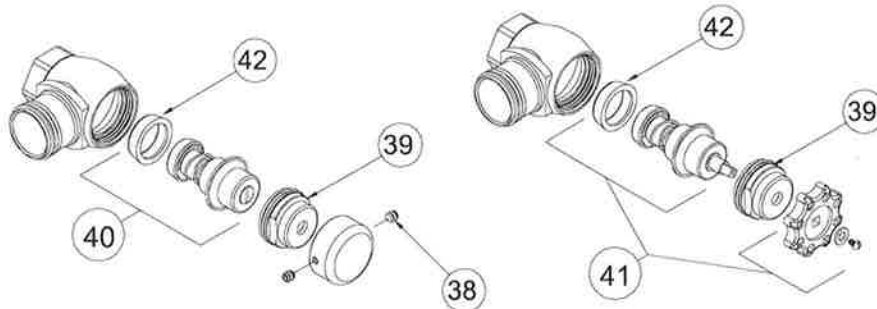


- 27. P6000-K
- 28. P6000-C32-CP
P6000-C32-RB
- 29. P6000-C31
- 30. P6000-C30
- 31. P6000-J
- 32. P6000-YC
P6003-YC

- Tailpiece Coupling Assembly
- Chrome Plated Locking Nut
- Rough Brass Locking Nut
- Tailpiece O-Ring
- Snap Ring
- Adjustable Tailpiece Assembly
- 1" Cast Wall Escutcheon
- 3/4" Cast Wall Escutcheon

- 33. P6000-YB-CVR
P6003-YB-CVR
- 34. P6000-YC-SS
- 35. P6000-VC-W-VP
- 36. P6000-YBA
P6003-YBA
- 37. P6000-YB
P6003-YB

- 1" Supply Cover Tube
- 3/4" Supply Cover Tube
- Setscrew for Cast Wall Escutcheon
- 5/64 Allen Wrench
- 1" Sweat Solder Adapter
- 3/4" Sweat Solder Adapter
- 1" Sweat Solder Kit
- 3/4" Sweat Solder Kit



- 38. P6000-VC-SS
- 39. P6000-C34-CP
P6000-C34-RB
- 40. P6000-D-SD
- 41. P6000-D-WH
- 42. P6000-D42

- Set Screw for Control Stop Cover
- Chrome Plated Stop Cap Bonnet
- Rough Brass Stop Cap Bonnet
- Stop Cap Internals
- Stop Cap Internals with Wheel Handle
- Stop Seat



P6000-HW6

Power Converter

For Select Automatic Sensor-Operated
Faucets & Flushometers

Installation, Operation, Maintenance
and Parts Manual

Patented and Patents Pending



P6000-HW6 (7.6VDC)

Hardwired Power Converter for Flush Valves and Faucets

⚠ **WARNING:** Cancer and Reproductive Harm - www.P65Warnings.ca.gov

⚠ **ADVERTENCIA:** Cáncer y daño reproductivo - www.P65Warnings.ca.gov

⚠ **AVERTISSEMENT:** Cancer et effets néfastes sur la reproduction - www.P65Warnings.ca.gov

LIMITED WARRANTY

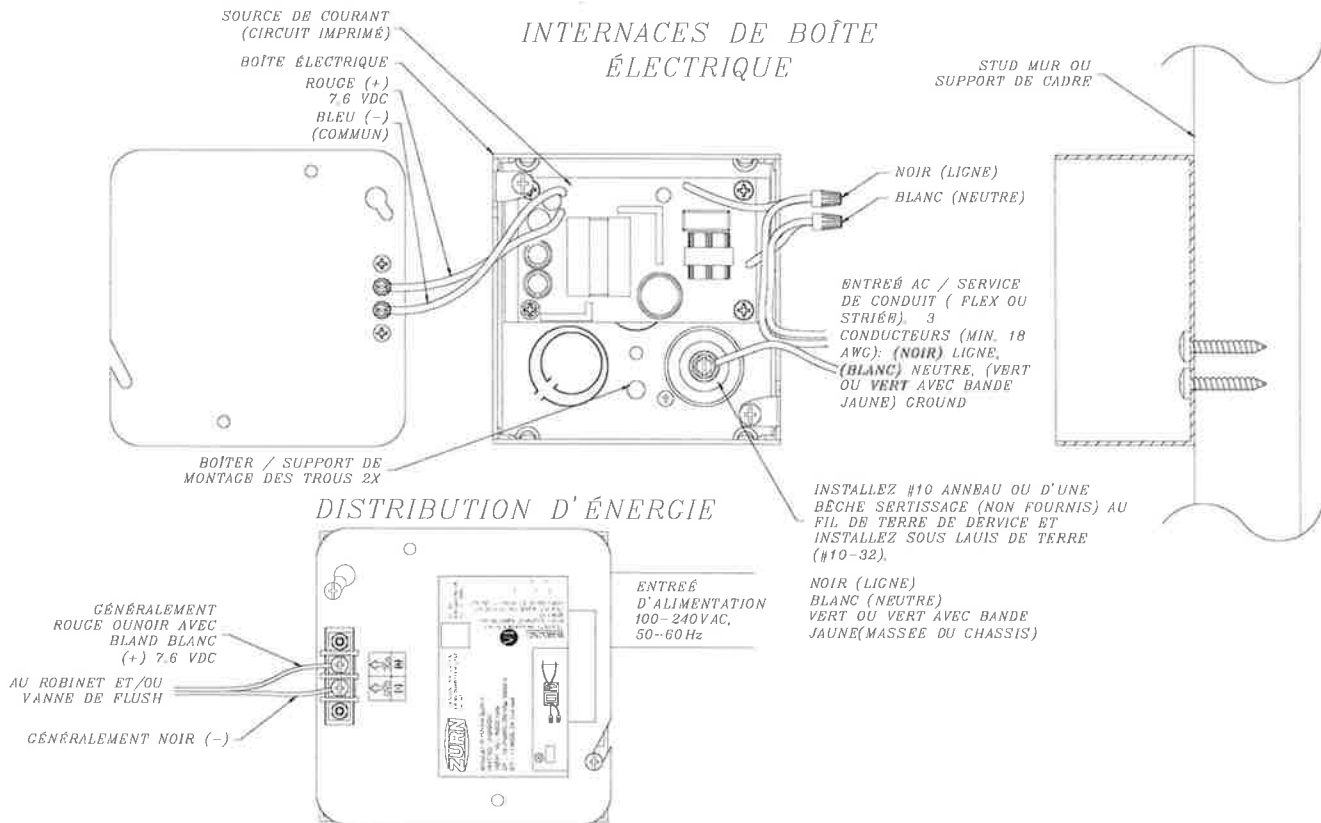
All goods sold hereunder are warranted to be free from defects in material and factory workmanship for a period of three years from the date of purchase. Decorative finishes warranted for one year. We will replace at no costs goods that prove defective provided we are notified in writing of such defect and the goods are returned to us prepaid at Sanford, NC, with evidence that they have been properly maintained and used in accordance with instructions. We shall not be responsible for any labor charges or any loss, injury or damages whatsoever, including incidental or consequential damages. The sole and exclusive remedy shall be limited to the replacement of the defective goods. Before installation and use, the purchaser shall determine the suitability of the product for his intended use and the purchaser assumes all risk and liability whatever in connection therewith. Where permitted by law, the implied warranty of merchantability is expressly excluded. If the products sold hereunder are "consumer products," the implied warranty of merchantability is limited to a period of three years and shall be limited solely to the replacement of the defective goods. All weights stated in our catalogs and lists are approximate and are not guaranteed.

Installation Instructions:

Caution: Circuit may be energized. 100-240 VAC 50/60 Hz

- 1.) Verify circuit with a voltmeter or inductive AC power probe that AC power has been turned OFF. Recommend securing circuit power OFF via Lock-Out/Tag-Out methods prior to installation, service, or replacement of unit.
- 2.) Loosen the 2 enclosure/cover retaining screws and rotate the power supply integrated cover plate to allow internal access of the 4" L x 4" W x 2-1/8" D electrical enclosure box.
- 3.) Connect the 4" L x 4" W x 2-1/8" D electrical enclosure box to conduit (conductor/cable clamps are NOT provided) and securely fasten the enclosure with suitable fasteners to a frame or support member. Two holes are accessible in the bottom of the enclosure with the supply installed on the standoffs. A minimum of (2) screws should be inserted through the enclosure holes and secured into a wooden or steel stud, frame support, or other supporting surface. Suitable fasteners (wood screws, sheet metal screws, or expansion fasteners are not provided with this product).

Note: Do not remove supply from the enclosure.



- 4.) Connect the P6000-HW6 power supply to the AC service conductors as outlined below in the diagrams. The internal (Line & Neutral) conductor terminations/connections, shall be implemented using UL approved screw terminals, wire nuts, insulated crimp splices, or soldered using hook & loop method with the solder joint(s) post insulated or as specified within the National Electrical Code (NEC) and/or superseding relevant local specified code(s).
- 5.) Connect frame/safety ground from AC service as outlined above.
- 6.) Verify continuity between the enclosure and the frame/safety ground supply line.
- 7.) Form conductor leads as required to allow unimpeded installation of the cover plate (with integrated terminal block) to the electrical box enclosure and secure the cover with the 2 cover screws.
- 8.) Restore AC power and measure the low voltage output with a DC voltmeter to verify output to be ~7.6 VDC.
- 9.) Install M4.0 or #8 ring or spade crimp terminals (not provided) to the product leads for attachment to the low voltage output terminals as labeled.

Note: For remote lengths of < 40', recommend utilizing 18AWG, CMP, CMR, CMX or other UL performance category type cables as specified in the NEC for overhead, behind walls, vertical shafts, and/or plenum installations. Remote installation to the final product connector/cable should be implemented using a Mini-junction box, insulated connectors/crimp splices/screw terminals, or soldered using hook and loop method with the solder joint(s) post insulated with heat shrink or electrical tape.

- 10.) Ground Jumper is required for sensor circuit noise reduction and should not be removed.

This website uses cookies to improve user experience. By using our website you consent to all cookies in accordance with our [Cookie Policy](#).

[READ MORE](#)



[Representative Listing](#)

[Product Spec Sheets](#)

[Spec Catalog](#)

[Features & Benefits Videos](#)

[Installation Videos](#)

[Warranty](#)

[Contact Us](#)

Warranty

Warranty Statement

All products are guaranteed against defects in material and workmanship for a period of one (1) year from date of purchase.

This guarantee does not apply to any compression molded wood, solid wood, decorator, or economy residential plastic toilet seats used in nonresidential installations, including hotels and motels. This guarantee does not apply to any toilet seats which are modified in any way or used on any type of installation or unit other than conventional water closets. We assume no liability for toilet seats modified or installed on anything other than conventional water closets.

TOILETSEATS.COM

Copyright © 2022 Toiletseats.com All rights reserved.

P-2



Highline® Classic

Two-piece elongated toilet, 1.6 gpf
K-3493

Features

- Elongated bowl offers added room and comfort
- Equipped with Sloan FLUSHMATE® – Sloan® Valve Company
- Left-hand Polished Chrome trip lever
- 1.6 gpf (6.0 lpf)
- 2-1/4" (57 mm) fully glazed trapway
- Two-piece design
- Comfort Height® feature offers chair-height seating that makes sitting down and standing up easier for most adults

Installation

- Seat and supply line sold separately
- Standard 12" (305 mm) rough-in

Recommended Products/Accessories

- K-5588 Purefresh® Deodorizing elongated toilet seat
- K-4108 PureWash® E750 Elongated bidet toilet seat with remote control
- K-5420 Low-Profile Bolt Caps

Included Components

- K-4304 Elongated toilet bowl
- K-4645 Toilet tank, 1.6 gpf



Codes/Standards




- ASME A112.19.2/CSA B45.1
- DOE - Energy Policy Act 1992
- ADA
- ICC/ANSI A117.1
- CSA B651
- OBC
- IAPMO Certification

KOHLER® One-Year Limited Warranty

See website for detailed warranty information.

Available Colors/Finishes

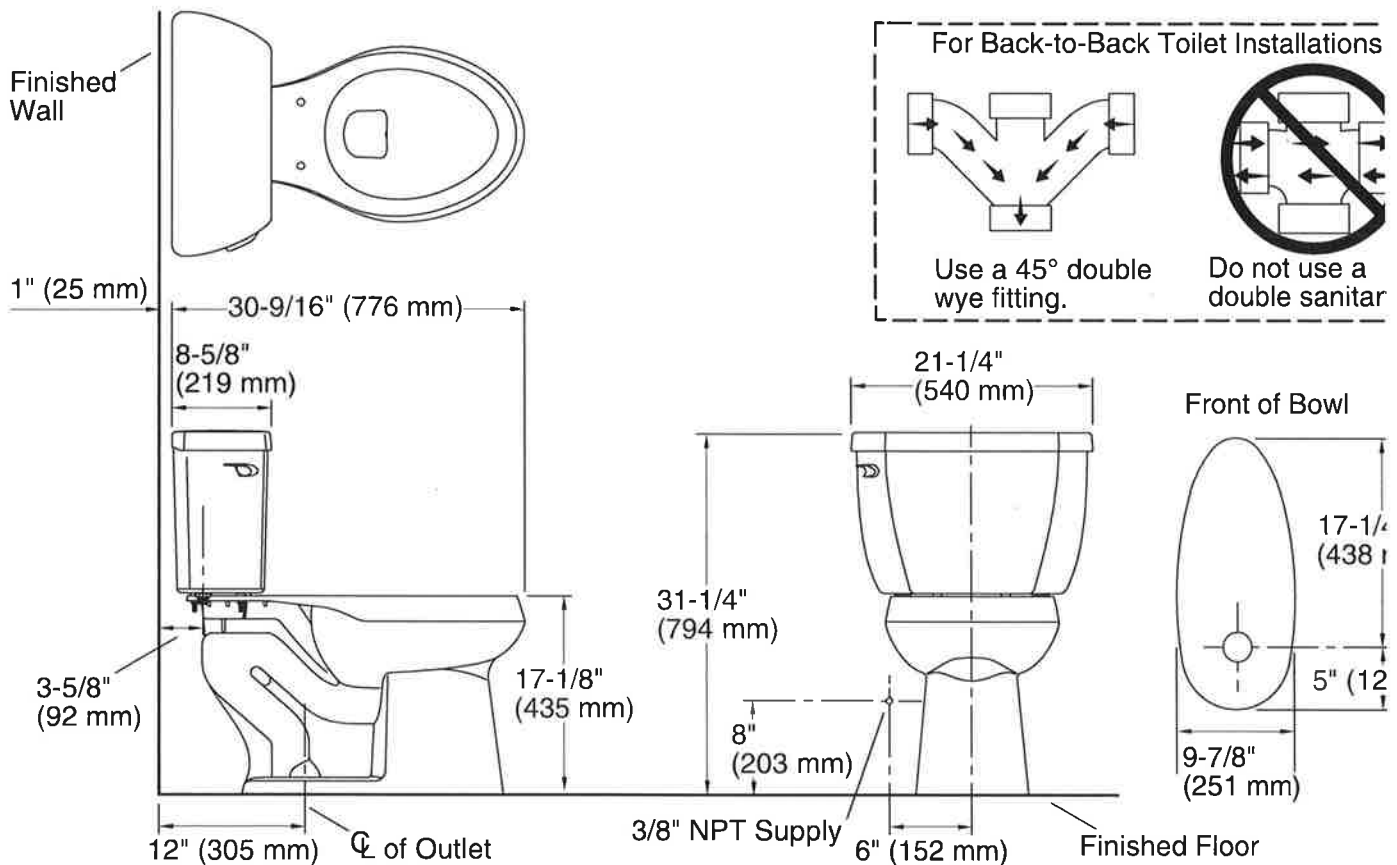
Color tiles intended for reference only.

Color	Code	Description
	0	White
	96	Biscuit
	7	Black Black™

KOHLER®

Highline® Classic

Two-piece elongated toilet, 1.6 gpf
K-3493



Technical Information

All product dimensions are nominal.

Toilet type:	Floor-mount
Waste Outlet:	Floor
Bowl shape:	Elongated
Flush type:	Pressure Lite
Trap passageway:	2-3/16" (55 mm)
Water surface size:	12" x 10" (305 mm x 254 mm)
Rim to water surface:	5-3/4" (146 mm)
Rough-in:	12" (305 mm)
Seat-mounting holes:	5-1/2" (140 mm)

Fixture Supply Requirements

Min static pressure:	20 psi (137.9 kPa)
Max static pressure:	80 psi (551.6 kPa)

Notes

Install this product according to the installation instructions.

For back-to-back toilet installations: Use only a 45° double wye fitting.

ADA, OBC, CSA B651 compliant when installed to the specific requirements of these regulations.

Plumbing codes may require elongated toilets and elongated, open-front seats in public bathrooms.

Accessibility standards may require controls to be located on the open side of the toilet.

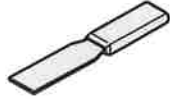
1-800-4KOHLER (1-800-456-4537)

Kohler Co. reserves the right to make revisions without notice to product specifications.

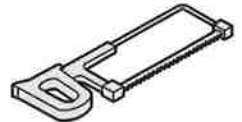
For the most current Specification Sheet, go to www.kohler.com USA or www.kohler.ca Canada

4-9-2024 20:24 - US

THE BOLD LOOK
OF **KOHLER**



5/16" Tee Bolts and Wax Seal
 Boulons en T de 5/16" et joint de cire
 Pernos en T de 5/16" y sello de cera



CAUTION: Risk of injury or water damage.

Contents of the vessel are under pressure and can cause severe injury. Release pressure before attempting any service, using the procedure in "To depressurize" below.

ATTENTION: Risque de blessures ou d'endommagement causé par l'eau.

Le contenu du réservoir est sous pression et peut provoquer des blessures graves. Relâcher la pression avant de commencer tout entretien, en suivant la procédure ci-dessous "Pour dépressuriser".

PRECAUCIÓN: Riesgo de lesiones personales o daños producidos por agua.

El contenido del depósito está bajo presión y puede causar lesiones graves. Libere la presión antes de intentar dar servicio, de acuerdo al procedimiento en "Para despresurizar" a continuación.

CAUTION: Risk of injury.

Vitreous china can break and chip. Handle vitreous china products very carefully. Do not overtighten bolts and nuts.

ATTENTION: Risque de blessures.

La porcelaine vitrifiée peut se briser et s'écailler. Manipuler les produits en porcelaine vitrifiée avec extrême précaution. Ne pas serrer les boulons et les écrous excessivement.

PRECAUCIÓN: Riesgo de lesiones.

La porcelana vitrificada se puede romper y despostillar. Maneje con cuidado los productos de porcelana vitrificada. No apriete demasiado los pernos ni las tuercas.

Important Information

The fittings in this toilet are preset and do not require adjustment. Any adjustments or modifications of the product, other than gap clearance or winterizing, are not normal usage and void the warranty.

Informations importantes

Les raccords de cette toilette sont préréglés et ne nécessitent aucun ajustement. Tous réglages ou modifications apportés au produit, sauf un dégagement de l'écartement ou l'hivernisation ne représentent pas une utilisation normale et annulent la garantie.

Información importante

Las conexiones de este inodoro están ajustadas con anticipación y no requieren ajuste. Cualquier otro ajuste o modificación del producto, que no sea el espacio de separación o la preparación para el invierno, no forma parte del uso normal y anula la garantía.

Important Information

1 gallon (3.8 L) tanks require a minimum supply pressure of 35 psi (241 kPa). 1.4 gallon (5.3 L) or 1.6 gallon (6.0 L) tanks require a minimum supply pressure of 20 psi (138 kPa).

Informations importantes

Les réservoirs de 1 gallon (3,8 L) et une pression d'alimentation minimum 35 psi (241 kPa). Les réservoirs de 1,4 gallon (5,3 L) 1,6 gallon (6,0 L) exigent une pression d'alimentation minimum de 20 psi (138 kPa).

Información importante

Los tanques de 1 galón (3,8 L) requieren una presión de suministro mínima de 35 psi (241 kPa). Los tanques de 1,4 galones (5,3 L) 1,6 galones (6,0 L) requieren una presión de suministro mínima de 20 psi (138 kPa).

Important Information

Remove the old toilet, T-bolts, and wax ring. Inspect and repair the water supply and waste flange. If the toilet will not be installed right away, temporarily plug the waste flange with a rag.

Informations importantes

Retirer l'ancienne toilette, les boulons en T, et l'anneau de cire. Inspecter et réparer l'alimentation en eau et la bride d'évacuation. Si la toilette n'est pas installée immédiatement, boucher temporairement la bride d'évacuation avec un chiffon.

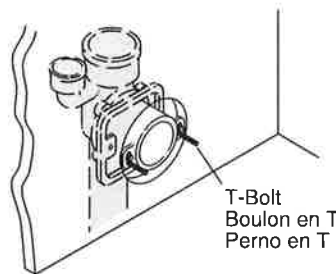
Información importante

Retire el inodoro anterior, los pernos en T y el anillo de cera. Revise y repare el suministro de agua y la brida de drenaje. Si el inodoro no va a ser instalado de inmediato, tape temporalmente la brida de drenaje con un trapo.

1 For Wall Outlet Models: Install T-bolts in the wall flange.

Pour les modèles à décharge au mur: Installer les boulons en T dans la rosace murale.

En modelos de salida a la pared: Instale pernos en T en la brida mural.



T-Bolt
 Boulon en T
 Perno en T

Dry fit the toilet and mark the floor bolt locations. Remove the toilet and drill pilot holes.

Ajuster la toilette à sec et marquer les emplacements des boulons du plancher. Retirer la toilette et percer des trous pilotes.

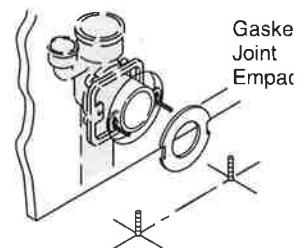
Instale en seco el inodoro y marque los lugares para los pernos del piso. Retire el inodoro y taladre los orificios guía.



Install the gasket and floor bolt. Reposition the toilet.

Installer le joint statique et les boulons du plancher. Replacer la toilette.

Instale el empaque y los pernos piso. Vuelva a colocar el inodoro.



Gaske
 Joint
 Empaque

Apply weight evenly. Do not move after placement! Watertight seal may be broken!

Appliquer du poids de manière égale. Ne pas bouger après la mise en place! Le joint d'étanchéité pourrait se casser!

3 For All Models: Install the washers and nuts as shown. Do not overtighten!

Pour tous les modèles: Installer les rondelles et les écrous comme sur l'illustration. Ne pas trop serrer!

4 If needed, cut off the T-bolts directly above the nuts before installing the bolt caps.

Si nécessaire, couper les boulons en T directement au-dessus des écrous avant d'installer les chapeaux de boulons.

5 Tighten the tank bolts evenly! not overtighten!

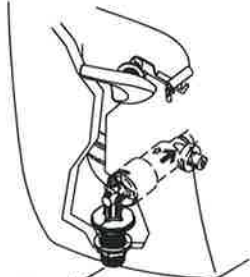
Serrer les boulons du réservoir manière égale. Ne pas trop serrer!

Apriete al parejo los pernos tanque. ¡No apriete demasiado!

Clean the Screen: Turn off and disconnect the water supply. Remove and clean the screen with a brush.

Nettoyer la rondelle: Couper et déconnecter l'alimentation en eau. Retirer et nettoyer la grille avec une brosse.

Limpie la rejilla: Cierre y desconecte el suministro de agua. Retire y limpie la rejilla con un cepillo.



Screen/Grille/Rejilla

Winterize: Depressurize the vessel and drain the water. Add recreational vehicle antifreeze to the bowl.

Hivériser: Dépressuriser la cuvette et vidanger l'eau. Ajouter de l'antigel pour véhicules de loisir dans la cuvette.

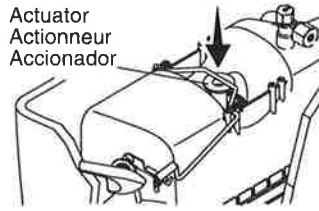
Preparación para el invierno: Despresurice el depósito y drene el agua. Agregue anticongelante para vehículos de recreo a la taza.



Depressurize: Turn off the water supply. Press the actuator until the water drains.

Dépressuriser: Couper l'arrivée d'eau. Appuyer sur l'actionneur jusqu'à ce que l'eau se vidange.

Despresurice: Cierre el suministro de agua. Presione el accionador hasta que el agua drene.

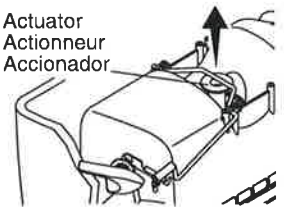


Actuator
Actionneur
Accionador

Depressurize: After the water drains, pull up on the actuator allow air to enter the vessel.

Dépressuriser: Lorsque l'eau vidangée, tirer l'actionneur vers haut pour permettre l'entrée d'air dans la cuvette.

Despresurice: Después de que el agua drene, jale el accionador arriba para permitir que entre el aire al depósito.



Actuator
Actionneur
Accionador

Troubleshooting

Poor flush or no flush.

1. Ensure that the tank vessel has had time to fill.
2. Clean under the bowl rim.
3. Fully open the water supply stop.
4. Plunge the bowl, auger the trap, and auger the drain to clear any blockage.
5. Ensure the trip lever is connected.
6. Tighten the trip lever nut by turning counterclockwise.
7. Hook the plunger arm over the trip lever arm.
8. Reset the gap between the actuator and the plunger arm.
9. Clean the supply screen with a brush. Replace the screen if necessary. Phone 1-800-533-3450 (English) or 1-844-488-0669 (Spanish) for assistance.
10. Clean or replace the flow regulator if necessary.
11. Replace inlet components if necessary. Phone 1-800-533-3450 (English) or 1-844-488-0669 (Spanish) for assistance.
12. Refer to installer/dealer for assistance.

Bowl water flows continuously or tank fill water will not shut off.

1. Reset the gap between the actuator and the plunger arm.
2. Repair or replace the plunger arm.
3. Replace the lower supply group (refer to installer/dealer for assistance).

For additional assistance or for service and warranty on the Sloan Flushmate® vessel, refer to the Sloan Flushmate Owner's Service Manual supplied with the tank. Phone 1-800-533-3450 (English) or 1-844-488-0669 (Spanish).

Need help? Contact the KOHLER Customer Care Center at 1-800-4KOHLER (1-800-456-4537).

For service parts information, visit www.kohler.com/serviceparts.

For care and cleaning and other information, visit www.us.kohler.com.

ONE-YEAR LIMITED WARRANTY

KOHLER plumbing products are warranted to be free of defects in material and workmanship for one year from date of installation.

Kohler Co. will, at its election, repair, replace or make appropriate adjustment where Kohler Co. inspection discloses any such defects occurring in normal usage within one (1) year after installation. Kohler Co. is not responsible for removal or installation costs. **Use of in-tank toilet cleaners will void the warranty.**

To obtain warranty service contact Kohler Co. either through your Dealer, Plumbing Contractor, Home Center or E-tailer, or by writing Kohler Co., Attn.: Customer Care Center, 444 Highland Drive, Kohler, WI 53044, USA, or by calling 1-800-4-KOHLER (1-800-456-4537) from within the USA and Canada, and 001-800-456-4537 from within Mexico, or visit www.kohler.com within the USA, www.ca.kohler.com from within Canada, or www.mx.kohler.com in Mexico.

IMPLIED WARRANTIES INCLUDING THAT OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE EXPRESSLY LIMITED IN DURATION TO THE DURATION OF THIS WARRANTY.

Dépannage

Mauvaise chasse ou aucune chasse.

1. S'assurer que la cuvette du réservoir a eu assez de temps pour se remplir.
2. Nettoyer le dessous du rebord de la cuvette.
3. Ouvrir complètement l'alimentation en eau.
4. Immerger la cuvette, dégorger le siphon et le drain pour les déboucher.
5. S'assurer que le levier de déclenchement est connecté.
6. Serrer l'écrou du levier de déclenchement en le tournant dans le sens contraire des aiguilles d'une montre.
7. Accrocher le bras du plongeur par-dessus le bras du levier de déclenchement.
8. Réajuster l'écart entre l'actionneur et le bras du plongeur.
9. Nettoyer la grille d'alimentation avec une brosse. Remplacer la grille si nécessaire. Appeler le 1-800-533-3450 (anglais) ou le 1-844-488-0669 (espagnol) pour obtenir de l'aide.
10. Nettoyer ou remplacer le régulateur de débit le cas échéant.
11. Remplacer les composants de l'orifice d'entrée le cas échéant. Appeler le 1-800-533-3450 (anglais) ou le 1-844-488-0669 (espagnol) pour obtenir de l'aide.
12. Contacter l'installateur/le concessionnaire pour obtenir de l'aide.

L'eau de la cuvette coule continuellement ou l'eau de remplissage du réservoir ne s'arrête pas.

1. Réajuster l'écart entre l'actionneur et le bras du plongeur.
2. Réparer ou remplacer le bras du plongeur.
3. Remplacer le groupe d'alimentation inférieur (consulter l'installateur/le concessionnaire pour obtenir de l'aide).

Pour obtenir de l'aide supplémentaire ou pour un entretien et une garantie sur la cuvette Sloan Flushmate®, se reporter au manuel d'entretien pour le propriétaire fourni avec le réservoir. Appeler le 1-800-533-3450 (anglais) ou le 1-844-488-0669 (espagnol).

Besoin d'aide? Appeler le centre de services à la clientèle de KOHLER au 1-800-4KOHLER (1-800-456-4537).

Pour tout renseignement sur les pièces de rechange, visiter www.kohler.com/serviceparts.

Pour tout renseignement sur l'entretien, le nettoyage et autre, visiter www.us.kohler.com.

GARANTIE LIMITÉE D'UN AN

Les produits de plomberie KOHLER sont garantis contre tout vice de matériau et de fabrication pendant un an à partir de la date de l'installation.

Si un vice est découvert au cours d'une utilisation normale, Kohler Co. choisira, à sa discrétion, la réparation, le remplacement ou la rectification appropriée après inspection desdits vices par Kohler Co. pendant un (1) an à partir de la date d'installation. Kohler Co. n'est pas responsable des frais d'enlèvement ou d'installation. **L'utilisation de nettoyants à l'intérieur du réservoir annule la garantie.**

Pour obtenir le service de garantie, contacter Kohler Co., par

Resolución de problemas

Descarga ineficiente

1. Asegúrese de que el tiempo para llenar la taza sea suficiente.
2. Limpie por debajo del borde de la taza.
3. Abra por completo el suministro de agua.
4. Para eliminar las obstrucciones, sumerja la taza, desatascador el sifón y el drenaje.
5. Asegúrese de que el brazo del plunger esté conectado.
6. Apriete la tuerca del brazo del plunger en sentido contrario a las agujas del reloj.
7. Enganche el brazo del plunger por encima del brazo del brazo del levier de desencadenamiento.
8. Restablezca el espacio entre el accionador y el brazo del plunger.
9. Limpie la rejilla de alimentación con un cepillo. Reemplace la rejilla si es necesario. Llame al 1-800-533-3450 (inglés) o al 1-844-488-0669 (español) para obtener ayuda.
10. Limpie o reemplace el regulador de flujo si es necesario.
11. Reemplace los componentes de la entrada si es necesario. Llame al 1-800-533-3450 (inglés) o al 1-844-488-0669 (español) para obtener ayuda.
12. Para más asistencia, consulte al instalador o al concesionario.

El agua de la taza fluye continuamente o el agua de llenado del tanque no se detiene.

1. Restablezca el espacio entre el accionador y el brazo del plunger.
2. Repare o reemplace el brazo del plunger.
3. Reemplace el grupo de alimentación inferior (consulte al instalador o al concesionario para obtener ayuda).

Para obtener asistencia o para el mantenimiento y la garantía de la taza Sloan Flushmate®, consulte el manual de mantenimiento para el propietario que se proporciona con el tanque. Llame al 1-800-533-3450 (inglés) o al 1-844-488-0669 (español).

¿Necesita ayuda? Contacte el Centro de Atención al Cliente de KOHLER al 1-800-4KOHLER (1-800-456-4537).

Para consultar información sobre repuestos, visite www.kohler.com/serviceparts.

Para el cuidado y la limpieza y otra información, visite www.us.kohler.com.

GARANTÍA LIMITADA DE UN AÑO

Se garantizan los productos de plomería KOHLER contra todo defecto de material y mano de obra durante un año a partir de la fecha de instalación.

Kohler Co., a su criterio, reparará, reemplazará o rectificará los defectos descubiertos durante el uso normal de los productos de plomería KOHLER durante un (1) año a partir de la fecha de instalación. Kohler Co. no se hace responsable de los costos de eliminación o instalación. **El uso de limpiadores en el interior del tanque anula la garantía.**

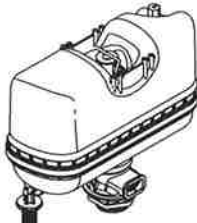


Highline® Classic Two-piece elongated




Two-piece elongated toilet, 1.6 gpf
K-3493

For service on the Sloan vessel, in the U.S.A. phone:
Pour un service sur la vasque Sloan, aux É-U. composer le:
Para servicio del recipiente Sloan, en EE.UU. llame al:




1-800-533-3450.




1036375**
1036375-T** (Tank Lock Option
Option verrouillage réservoir
Opción de seguros para el tanque)

51624
51743

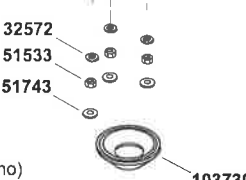
42398
84464
42397




78132
1044435 (RH/Droite/Lado derecho)
1045277** (RH/Droite/Lado derecho)



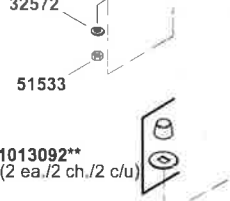
32572
51533
51743
1037307



78132
1044434 (LH/Gauche/Lado izquierdo)
1045276** (LH/Gauche/Lado izquierdo)



32572
51533
1013092** (2 ea./2 ch./2 c/u)



KOHLER® One-Year Limited Warranty

Kohler Co. warrants its plumbing products to be free of defects in material and workmanship for one (1) year from date of purchase. (The service life of any disposable filter replacement cartridges varies with individual use, local conditions, and consumption and thus is not warranted other than to be free of defects in material and workmanship at the time of purchase.) This warranty applies only to KOHLER products purchased and installed in North America, Central America, the Caribbean and South America excluding Brazil ("Americas").

Kohler Co. will, at its election, repair, replace, or make appropriate adjustment where Kohler Co. inspection discloses any such defects occurring in normal residential usage within one (1) year from the date of purchase. Kohler Co. is not responsible for removal or installation costs. **Improper care and cleaning will void the warranty.***

If you believe that you have a warranty claim, contact Kohler Co., either through your Dealer, Plumbing Contractor, Home Center or E-tailer, or by writing Kohler Co., Attn.: Customer Care Center, 444 Highland Drive, Kohler, WI 53044, USA. Please be sure to provide all pertinent information regarding your claim, including a complete description of the problem, the product, model number, color, finish, the date the product was purchased and from whom the product was purchased. Also include your proof of purchase (original sales receipt).

For other information call 1-800-4-KOHLER (1-800-456-4537), visit www.us.kohler.com within the USA, www.ca.kohler.com within Canada, or www.la.kohler.com within Latin America. Kohler Co.'s sales organization in Mexico is Kohler Trading Mexico S. de R.L. de C.V., Autopista Monterrey-Cadereyta Km 19, Edificio 1, Interior B, Lomas del Sol, Cd. Benito Juárez, Nuevo León C.P. 67254 RFC KTM170118KW2.

KOHLER CO. AND/OR SELLER ARE PROVIDING THESE WARRANTIES IN LIEU OF ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. KOHLER CO. AND/OR SELLER DISCLAIM ALL LIABILITY FOR SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES. Some jurisdictions do not allow limitations of how long an implied warranty lasts or the exclusion or limitation of such damages, so these limitations and exclusions may not apply to you. This warranty gives the consumer specific legal rights. You may also have other rights that vary from jurisdiction to jurisdiction.

This is Kohler Co.'s exclusive written warranty.

* Never use in-tank toilet cleaners. This will void the warranty. See Care & Cleaning recommendations at kohler.com/clean.

This website uses cookies to improve user experience. By using our website you consent to all cookies in accordance with our Cookie Policy.

[READ MORE](#)



[Representative Listing](#)

[Product Spec Sheets](#)

[Spec Catalog](#)

[Features & Benefits Videos](#)

[Installation Videos](#)

[Warranty](#)

[Contact Us](#)

Warranty

Warranty Statement

All products are guaranteed against defects in material and workmanship for a period of one (1) year from date of purchase.

This guarantee does not apply to any compression molded wood, solid wood, decorator, or economy residential plastic toilet seats used in nonresidential installations, including hotels and motels.

This guarantee does not apply to any toilet seats which are modified in any way or used on any type of installation or unit other than conventional water closets. We assume no liability for toilet seats modified or installed on anything other than conventional water closets.

TOILETSEATS.COM

Copyright © 2022 Toiletseats.com All rights reserved.

P-3

KOHLER®

Bardon™
High-Efficiency Urinal
K-4991-ET

Features

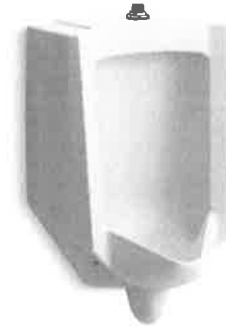
- Washout urinal
- 3/4" (19 mm) top spud
- 0.125 - 1.0 gpf (0.47 - 3.8 lpf)
- Will replace K-4904-ET

Material

- Vitreous china

Installation

- 14" (356 mm) extended rim



ADA **CSA B651**

Codes/Standards

ASME A112.19.2/CSA B45.1
DOE - Energy Policy Act 1992
EPA WaterSense®
California Energy Commission (CEC)
ADA
ICC/ANSI A117.1
CSA B651
IAPMO Certification




KOHLER® One-Year Limited Warranty

See website for detailed warranty information.

Available Colors/Finishes

Color tiles intended for reference only.

Color Code Description

	0	White
	96	Biscuit
	7	Black Black™

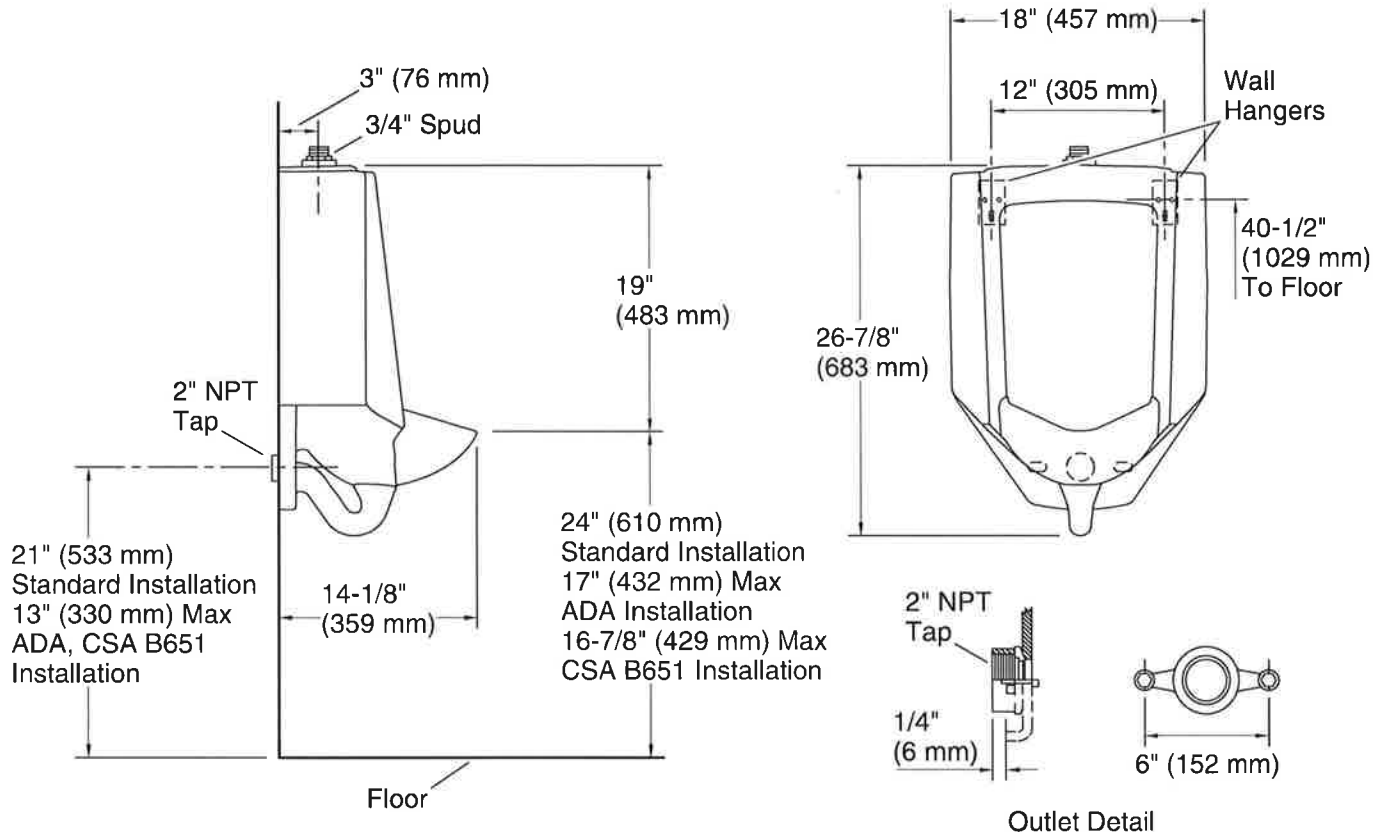
1-800-4KOHLER (1-800-456-4537)

Kohler Co. reserves the right to make revisions without notice to product specifications.

For the most current Specification Sheet, go to www.kohler.com USA or www.kohler.ca Canada

4-4-2024 10:45 - US

THE BOLD LOOK
OF **KOHLER®**



Technical Information

All product dimensions are nominal.

Spud size:	3/4", Inlet, Top
Min. Water per Flush:	0.125 gpf (0.5 lpf)
Max. Water per Flush:	1 gpf (3.8 lpf)

Designed for the above water use when installed with a water-saving flushometer.

Notes

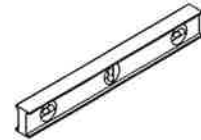
Install this product according to the installation guide.

Refer to manufacturer's instructions and local codes for flushometer requirements.

Recommended ADA outlet spud height will account for normal product variation.

For ADA compliance, measurement must be 17" (432 mm) or less from the floor to the top of the lip. For CSA B651 compliance, measurement must be 16-7/8" (429 mm) or less from the floor to the top of the lip.

ADA, CSA B651 compliant when installed to the specific requirements of these regulations.



Thread Seal
 Mastic pour
 Sellador de

Record your model number.
Noter le numéro du modèle.
Anote su número de modelo.

For service parts information, visit kohler.com/serviceparts.
For care and cleaning and other information, visit us.kohler.com.
Pour tout renseignement sur les pièces de rechange, visitez le site kohler.com/serviceparts.
Pour tout renseignement sur l'entretien, le nettoyage et autre, visitez le site us.kohler.com.
Para consultar información sobre piezas de repuesto, visite kohler.com/serviceparts.
Para consultar información de cuidado y limpieza y de otro tipo, visite us.kohler.com.

Important Information

Refer to the specification sheet for dimensional information.

Informations importantes

Se référer à la fiche de spécifications pour les dimensions.

Información importante

Consulte información sobre dimensiones en la hoja de especificaciones.

Important Information

The urinal complies with ADA requirements when the rim is mounted no higher than 17" (432 mm) from the finished floor.

Informations importantes

L'urinoir est conforme aux exigences de l'ADA lorsque le rebord n'est monté à plus de 17" (432 mm) du plancher fini.

Información importante

El mingitorio cumple los requisitos de la ADA cuando el reborde se instala a una altura no mayor que 17" (432 mm) del piso acabado.

1 Turn off the water.
 Couper l'eau.
 Cierre el agua.

2 Install a backer board for additional support.
 Installer une planche d'appui pour obtenir un support supplémentaire.
 Instale una tabla de refuerzo como soporte adicional.

3 Single Hanger Installation:
 Install the wall hanger.

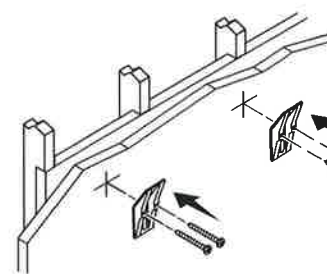
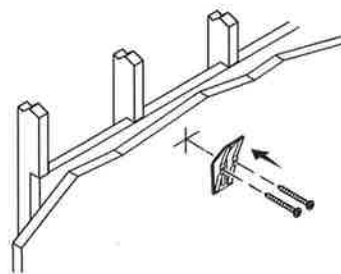
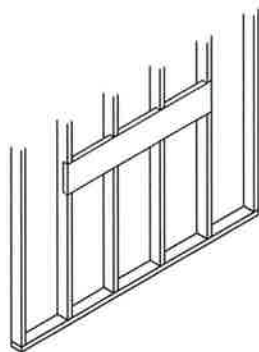
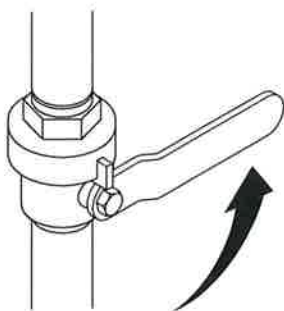
Installation d'étrier unique :
 Installer l'étrier mural.

Instalación de un solo soporte de suspensión: Instale el soporte de suspensión mural.

Double Hanger Installation: Install the wall hangers.

Installation de deux étriers :
 Installer les étriers muraux.

Instalación de doble soporte de suspensión: Instale los soportes de suspensión mural.



5 Position the urinal on the hanger(s).
 Positionner l'urinoir sur le(s) étrier(s).
 Coloque el mingitorio en los soportes de suspensión.

6 Secure the urinal to the collar using the screws and washers.
 Sécuriser l'urinoir sur le collier en utilisant les vis et les rondelles.
 Fije el mingitorio al collarín con los tornillos y las arandelas.

7 Install the flushometer following the manufacturer's instructions.

Installer le robinet de chasse en suivant les instructions du fabricant.

Instale el fluxómetro de acuerdo a las instrucciones del fabricante.

8 Turn on the water supply.

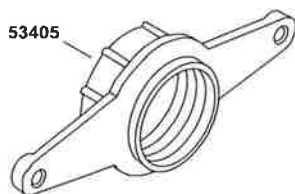
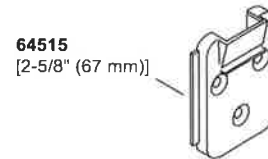
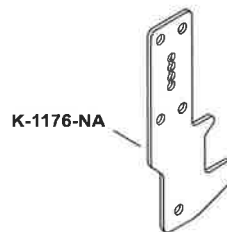
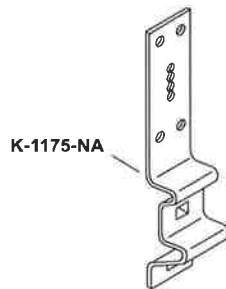
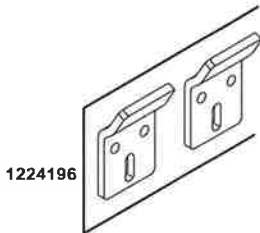
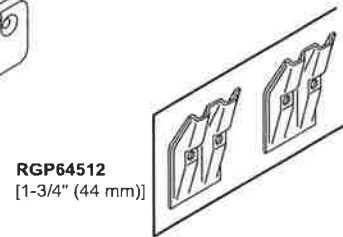
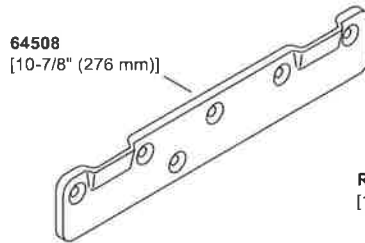
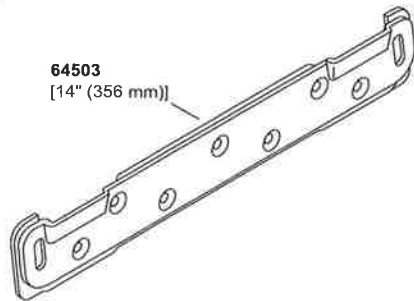
Ouvrir l'alimentation en eau.
 Abra el suministro de agua.

<p>Need help? Contact the KOHLER Customer Care Center at 1-800-4KOHLER (1-800-456-4537).</p> <p>For service parts information, visit kohler.com/serviceparts.</p> <p>For care and cleaning and other information, visit us.kohler.com.</p>	<p>Besoin d'aide? Appeler le centre de services à la clientèle de KOHLER au 1-800-4KOHLER (1-800-456-4537).</p> <p>Pour tout renseignement sur les pièces de rechange, visiter le site kohler.com/serviceparts.</p> <p>Pour tout renseignement sur l'entretien, le nettoyage et autre, visiter le site us.kohler.com.</p>	<p>¿Necesita ayuda? C de KOHLER al 1-800-4KOHLER (1-800-456-4537).</p> <p>Para consultar info sobre piezas de repuesto, visite kohler.com/serviceparts.</p> <p>Para consultar info sobre mantenimiento, limpieza y otra información, visite us.kohler.com.</p>
<p>ONE-YEAR LIMITED WARRANTY</p>	<p>GARANTIE LIMITÉE D'UN AN</p>	<p>GARANTÍA LIMITADA</p>
<p>KOHLER plumbing products are warranted to be free of defects in material and workmanship for one year from date of installation. Kohler Co. will, at its election, repair, replace or make appropriate adjustment where Kohler Co. inspection discloses any such defects occurring in normal usage within one (1) year after installation. Kohler Co. is not responsible for removal or installation costs. Use of in-tank toilet cleaners will void the warranty.</p> <p>To obtain warranty service contact Kohler Co. either through your Dealer, Plumbing Contractor, Home Center or E-tailer, or by writing Kohler Co., Attn.: Customer Care Center, 444 Highland Drive, Kohler, WI 53044, USA, or by calling 1-800-4-KOHLER (1-800-456-4537) from within the USA and Canada, and 001-800-456-4537 from within Mexico, or visit www.kohler.com within the USA, www.ca.kohler.com from within Canada, or www.mx.kohler.com in Mexico.</p>	<p>Les produits de plomberie KOHLER sont garantis contre tout vice de matériau et de fabrication pendant un an à partir de la date de l'installation.</p> <p>Si un vice est découvert au cours d'une utilisation normale, Kohler Co. choisira, à sa discrétion, la réparation, le remplacement ou la rectification appropriée après inspection desdits vices par Kohler Co. pendant un (1) an à partir de la date d'installation. Kohler Co. n'est pas responsable des frais d'enlèvement ou d'installation. L'utilisation de nettoyeurs à l'intérieur du réservoir annule la garantie.</p> <p>Pour obtenir un service de garantie s'adresser à Kohler Co., par l'intermédiaire du vendeur, de l'entrepreneur de plomberie, du centre de rénovation ou du revendeur par internet, ou bien par écrit à l'adresse suivante Kohler Co., Attn.: Customer Care Center, 444 Highland Drive, Kohler, WI 53044, USA, ou en appelant le 1-800-4-KOHLER (1-800-456-4537) à partir des É.-U. et du Canada, et le 001-800-456-4537 à partir du Mexique, ou consulter le site www.kohler.com aux É.-U., www.ca.kohler.com à partir du Canada, ou www.mx.kohler.com au Mexique.</p>	<p>Se garantizan los productos de plombería KOHLER contra todo defecto de material y mano de obra durante un año a partir de la fecha de instalación.</p> <p>Kohler Co., a su criterio pertinente en los casos que determine que dicho producto no se hace responsable en el transcurso de un (1) año a partir de la fecha de instalación. El uso de limpiador en el tanque anula la garantía.</p> <p>Para obtener el servicio de garantía se debe contactar a Kohler Co. a través de su distribuidor o distribuidor por Internet, o bien por escrito a la atención al cliente, en el caso de llamar al 1-800-4-KOHLER (1-800-456-4537) desde los EE.UU., www.kohler.com en el caso de llamar desde Canadá, o al 001-800-456-4537 desde México, o visitar el sitio www.kohler.com en los EE.UU., www.ca.kohler.com en el caso de llamar desde Canadá, o www.mx.kohler.com en México.</p>
<p>IMPLIED WARRANTIES INCLUDING THAT OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE EXPRESSLY LIMITED IN DURATION TO THE DURATION OF THIS WARRANTY. KOHLER CO. AND/OR SELLER DISCLAIM ANY LIABILITY FOR SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES. Some states/provinces do not allow limitations on how long an implied warranty lasts, or the exclusion or limitation of special, incidental or consequential damages, so these limitations and exclusions may not apply to you. This warranty gives you specific legal rights. You may also have other rights which vary from state/province to state/province. This is Kohler Co.'s exclusive written warranty.</p>	<p>LES GARANTIES TACITES, Y COMPRIS CELLES DE COMMERCIALITÉ ET D'ADAPTATION À UN USAGE PARTICULIER, SONT EXPRESSÉMENT LIMITÉE À LA DURÉE DE LA PRÉSENTE GARANTIE. KOHLER CO. ET/OU LE REVENDEUR DÉCLINENT TOUTE RESPONSABILITÉ CONTRE LES DOMMAGES PARTICULIERS, ACCESSOIRES OU INDIRECTS. Certains états et provinces ne permettent pas de limite sur la durée de la garantie tacite, ni l'exclusion ou la limite des dommages particuliers, accessoires ou indirects, et, par conséquent, lesdites limites et exclusions peuvent ne pas s'appliquer à votre cas. Cette garantie vous donne des droits juridiques particuliers. Vous pouvez également avoir d'autres droits qui varient d'un état ou d'une province à l'autre. Ceci constitue la garantie écrite exclusive de Kohler Co.</p>	<p>TODA GARANTÍA IMPLÍCITA DE COMERCIALIZACIÓN Y APTITUD PARA UN USO PARTICULAR ESTÁ EXPRESSAMENTE LIMITADA A LA DURACIÓN DE ESTA GARANTÍA. KOHLER CO. Y/O EL VENDEDOR DESCARGAN TODA RESPONSABILIDAD POR DAÑOS PARTICULARES, ACCESORIOS O INDIRECTOS. Algunos estados/provincias no permiten una garantía implícita de comercialización o aptitud para un uso particular, ni la exclusión o limitación de daños incidentales o indirectos, y, por consiguiente, estas limitaciones y exclusiones no se aplican a su caso. Esta garantía le otorga derechos legales específicos. También puede tener otros derechos que varían de un estado/provincia a otra. Esta es la garantía escrita exclusiva de Kohler Co.</p>



Bardon™ High-Efficiency Urinal (HEU),

High-Efficiency Urinal (HEU), washout, wall-hung, 0.125 gpf to 1.0 g
K-4991-ET



KOHLER® One-Year Limited Warranty

Kohler Co. warrants its plumbing products to be free of defects in material and workmanship for one (1) year from date of purchase. (The service life of any disposable filter replacement cartridges varies with individual use, local conditions, and consumption and thus is not warranted other than to be free of defects in material and workmanship at the time of purchase.) This warranty applies only to KOHLER products purchased and installed in North America, Central America, the Caribbean and South America excluding Brazil ("Americas").

Kohler Co. will, at its election, repair, replace, or make appropriate adjustment where Kohler Co. inspection discloses any such defects occurring in normal residential usage within one (1) year from the date of purchase. Kohler Co. is not responsible for removal or installation costs. **Improper care and cleaning will void the warranty.***

If you believe that you have a warranty claim, contact Kohler Co., either through your Dealer, Plumbing Contractor, Home Center or E-tailer, or by writing Kohler Co., Attn.: Customer Care Center, 444 Highland Drive, Kohler, WI 53044, USA. Please be sure to provide all pertinent information regarding your claim, including a complete description of the problem, the product, model number, color, finish, the date the product was purchased and from whom the product was purchased. Also include your proof of purchase (original sales receipt).

For other information call 1-800-4-KOHLER (1-800-456-4537), visit www.us.kohler.com within the USA, www.ca.kohler.com within Canada, or www.la.kohler.com within Latin America. Kohler Co.'s sales organization in Mexico is Kohler Trading Mexico S. de R.L. de C.V., Autopista Monterrey-Cadereyta Km 19, Edificio 1, Interior B, Lomas del Sol, Cd. Benito Juárez, Nuevo León C.P. 67254 RFC KTM170118KW2.

KOHLER CO. AND/OR SELLER ARE PROVIDING THESE WARRANTIES IN LIEU OF ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. KOHLER CO. AND/OR SELLER DISCLAIM ALL LIABILITY FOR SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES. Some jurisdictions do not allow limitations of how long an implied warranty lasts or the exclusion or limitation of such damages, so these limitations and exclusions may not apply to you. This warranty gives the consumer specific legal rights. You may also have other rights that vary from jurisdiction to jurisdiction.

This is Kohler Co.'s exclusive written warranty.

* Never use in-tank toilet cleaners. This will void the warranty. See Care & Cleaning recommendations at kohler.com/clean.

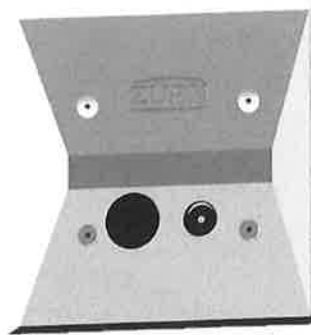


AquaSense®

ZEMS G2 Series

Automatic Systems Sensor-Operated
Flushometer

Installation, Operation, Maintenance
and Parts Manual



Sensor-Operated Exposed Systems

ZEMS6000AV	ZEMS6200AV-3
ZEMS6200AV	ZEMS6001AV
ZEMS6000AV-2	ZEMS6201AV
ZEMS6200AV-2	ZEMS6003AV
ZEMS6000AV-3	ZEMS6203AV

Sensor-Operated Concealed Systems

ZEMS6140AV	ZEMS6190AV
ZEMS6240AV	ZEMS6290AV
ZEMS6152AV	ZEMS6195AV
ZEMS6252AV	ZEMS6295AV
ZEMS6153AV	ZEMS6197AV
ZEMS6253AV	ZEMS6297AV

⚠ WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov

⚠ ADVERTENCIA: Cáncer y daño reproductivo - www.P65Warnings.ca.gov

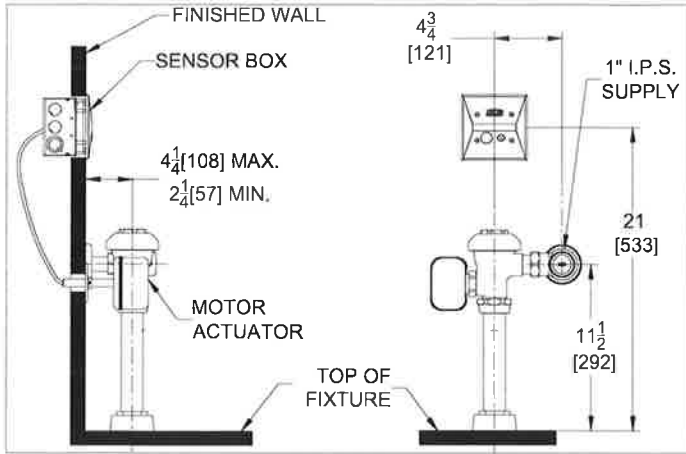
⚠ AVERTISSEMENT: Cancer et effets néfastes sur la reproduction - www.P65Warnings.ca.gov

LIMITED WARRANTY

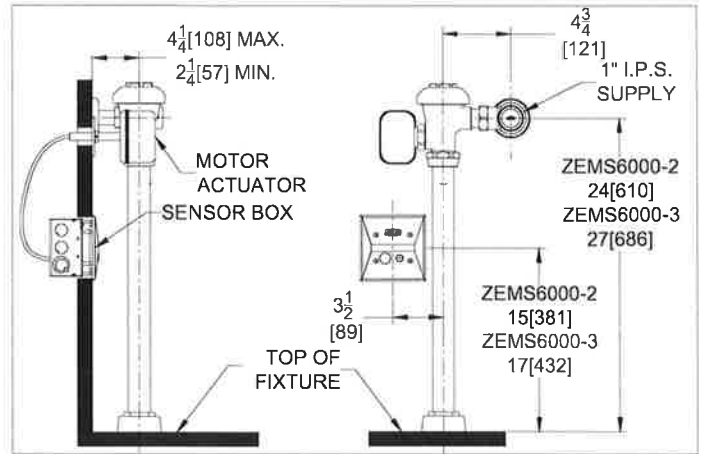
All goods sold hereunder are warranted to be free from defects in material and factory workmanship for a period of five years from the date of purchase. Decorative finishes warranted for one year. We will replace at no costs goods that prove defective provided we are notified in writing of such defect and the goods are returned to us prepaid at Sanford, NC, with evidence that they have been properly maintained and used in accordance with instructions. We shall not be responsible for any labor charges or any loss, injury or damages whatsoever, including incidental or consequential damages. The sole and exclusive remedy shall be limited to the replacement of the defective goods. Before installation and use, the purchaser shall determine the suitability of the product for his intended use and the purchaser assumes all risk and liability whatever in connection therewith. Where permitted by law, the implied warranty of merchantability is expressly excluded. If the products sold hereunder are "consumer products," the implied warranty of merchantability is limited to a period of three years and shall be limited solely to the replacement of the defective goods. All weights stated in our catalogs and lists are approximate and are not guaranteed.

Valve Rough-In

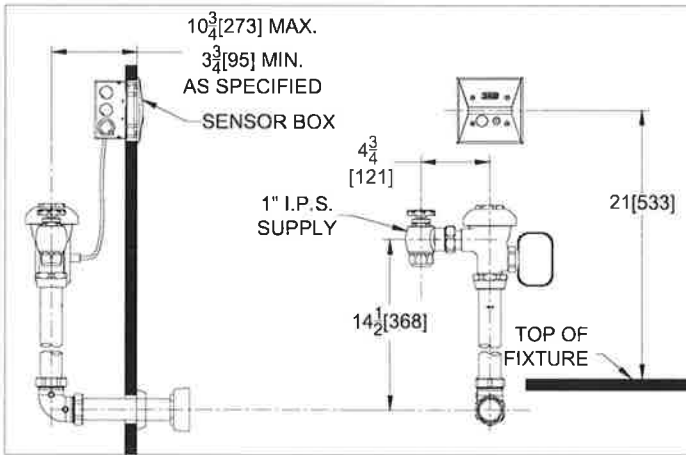
Models
ZEMS6000 and ZEMS6200



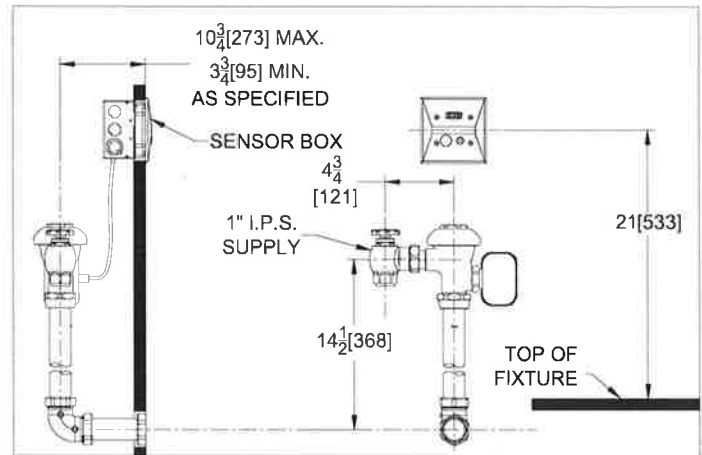
Models
ZEMS6000-2, ZEMS6000-3
ZEMS6200-2, ZEMS6200-3



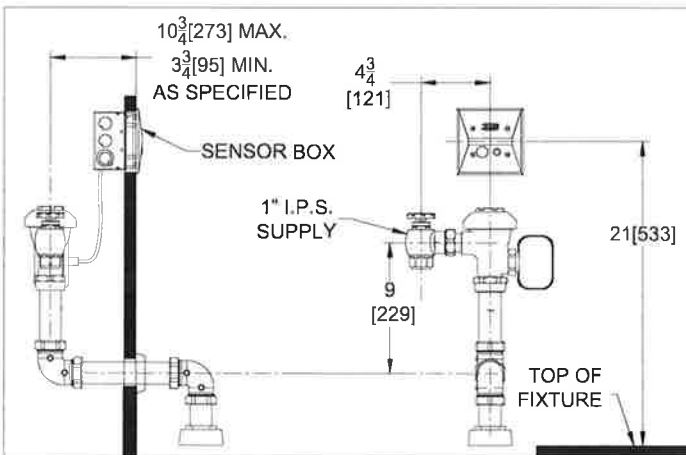
Models
ZEMS6140 and ZEMS6240



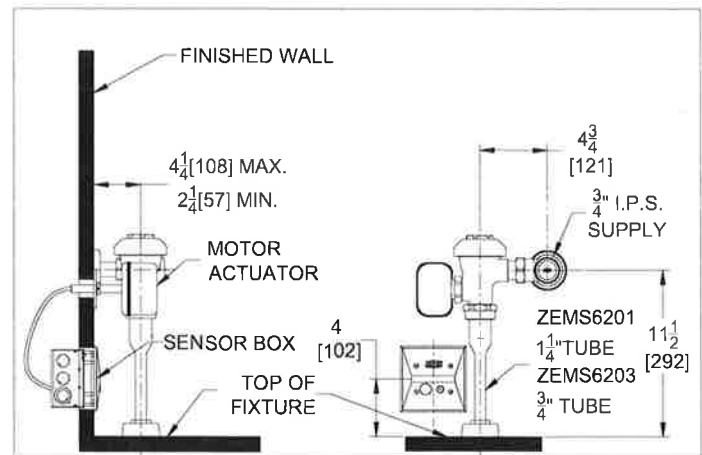
Models
ZEMS6152 and ZEMS6252



Models
ZEMS6153 and ZEMS6253



Models
ZEMS6001, ZEMS6003
ZEMS6201, ZEMS6203

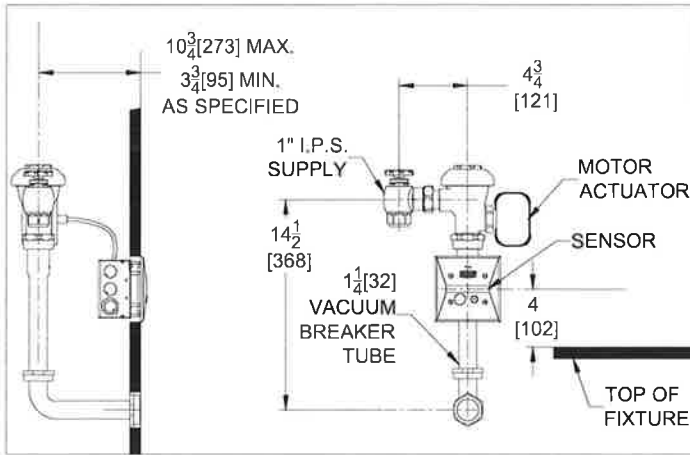


NOTES:

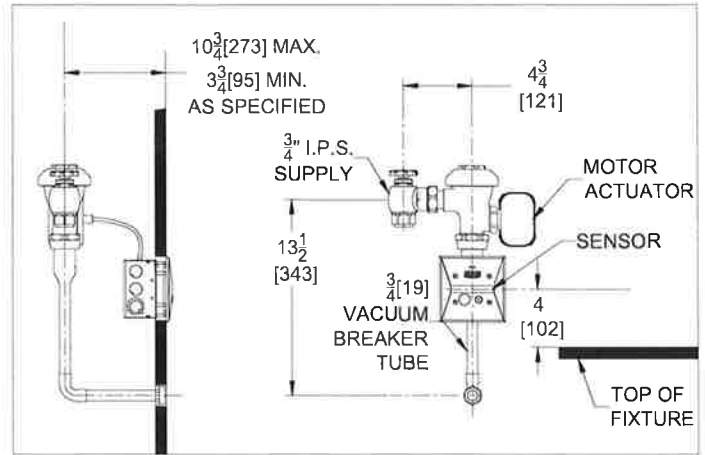
FOR INSTALLATIONS WITH GRAB BAR, CENTERLINE OF 4 X 4 BOX MUST BE A MINIMUM OF 4 INCHES ABOVE CENTERLINE OF GRAB BAR.

Valve Rough-In (Continued)

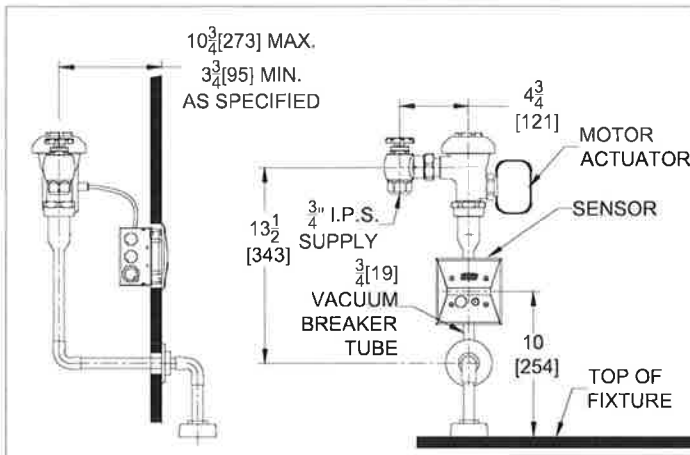
Models
ZEMS6190 and ZEMS6290



Models
ZEMS6195 and ZEMS6295



Models
ZEMS6197 and ZEMS6297



Prior to Installation

Prior to installing the Zurn Automatic Sensor-equipped Flushometer, install the items listed below as illustrated in Figures 1 through 3.

- 2-gang electrical box (4 x 4 x 2 1/8, use Steel City #52171-N box, and #52-C-18 device cover or equivalent for sensor with closet or urinal installs);
- Optional: Single-gang electrical outlet for plug-in power converter.
- Electrical wiring to the power converter outlet (120 VAC, 35 watts service required for each power converter used).
- Closet fixture.
- Zurn carrier system, Z1200 series or equal.

Important:

- **ALL ELECTRICAL WIRING IS TO BE INSTALLED IN ACCORDANCE WITH NATIONAL/LOCAL CODES AND REGULATIONS.**
- **ALL PLUMBING IS TO BE INSTALLED IN ACCORDANCE WITH APPLICABLE CODES AND REGULATIONS.**
- **WATER SUPPLY LINES MUST BE SIZED TO PROVIDE AN ADEQUATE VOLUME OF WATER FOR EACH FIXTURE.**
- **FLUSH ALL WATER LINES PRIOR TO MAKING CONNECTIONS.**
- **SENSOR UNITS SHOULD NOT BE LOCATED ACROSS FROM EACH OTHER OR IN CLOSE PROXIMITY TO HIGHLY REFLECTIVE SURFACES.**
- **CONTROL STOP SHOULD NEVER BE OPENED TO ALLOW FLOW GREATER THAN FIXTURE IS CAPABLE OF EVACUATING. IN THE EVENT OF VALVE FAILURE, FIXTURE MUST BE ABLE TO HANDLE A CONTINUOUS FLOW.**

Electrical

AC/DC Power Supply

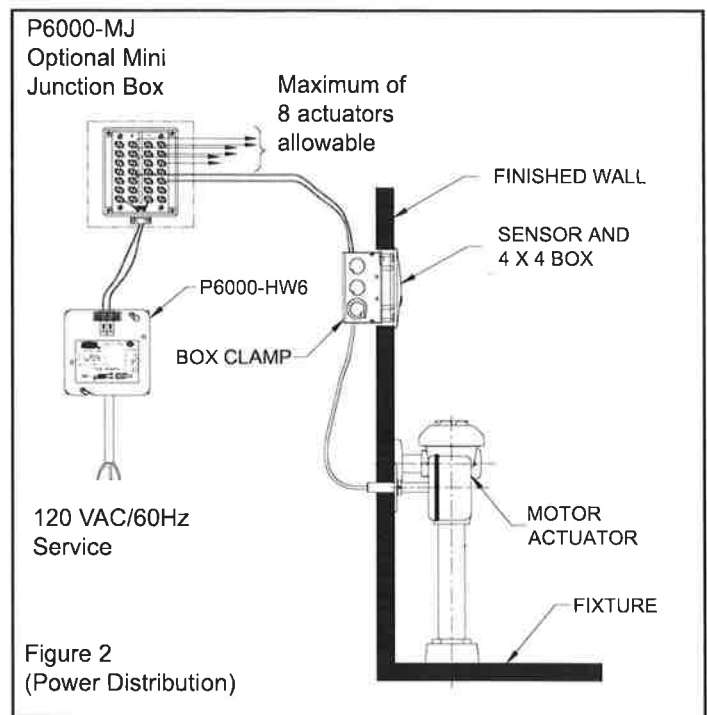
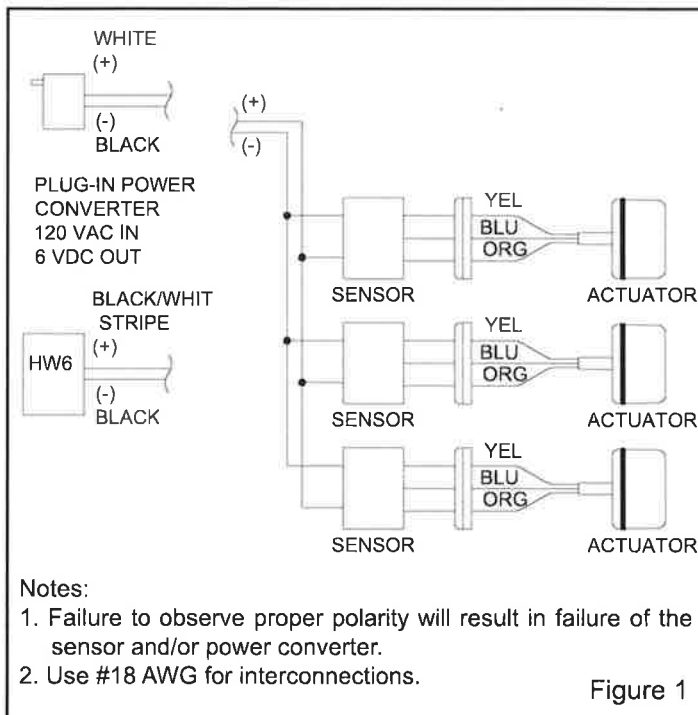
Install hardwired power supply (P6000-HW6) or receptacle for the Zurn Power Converter (P6900-ACA-BA) in a convenient location. An optional mini junction box (P6000-MJ) is recommended to distribute power to each sensor location.

NOTE: One Zurn P6000-HW6 can operate up to eight automatic sensor equipped flushometers, and the optional P6000-ACA-BA Power Converter can handle up to six flushometers and is supplied with a six-foot cord. If additional wire is needed from the Power Converter to the Flushometer(s), use #18 AWG (not provided). **Do not supply power** to the Power Converter until installation of actuator, sensor and Flushometer is completed and checked. **Proper polarity must be observed or damage to one or all components will result.**

Electrical Hook-up (Figure 1)

Be certain power is off to prevent damage to electrical components. Connect the sensor to the actuator and power converter exactly as shown in Figure 1.

Double check that power converter polarity is correct.



Sensor Installation

STEP 1 – Locate Sensor Box

Locate sensor box in the wall according to model number as shown on pages 2 and 3. Install plaster ring so screw holes are on left and right side of box (as shown in Figure 3). Trim tiles to allow screw holes in plaster ring to show.

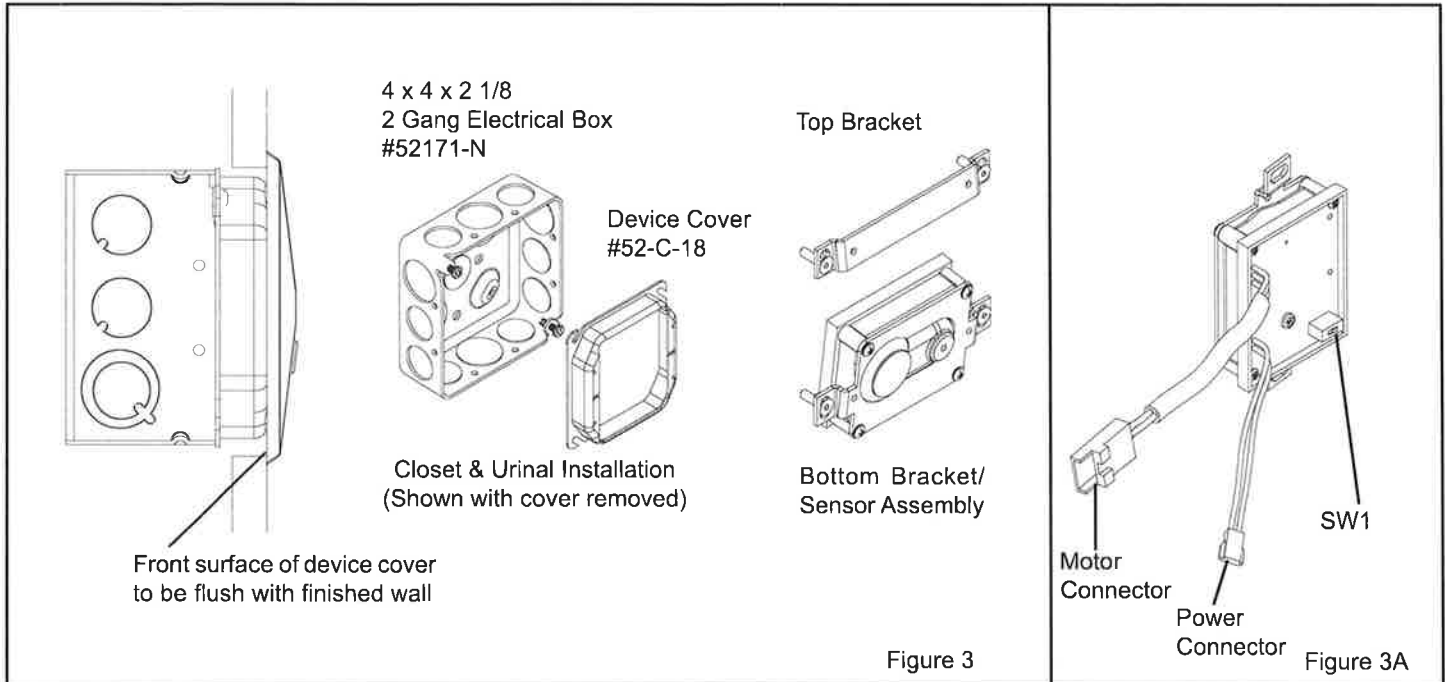
Note: Product is configured at time of shipment for a 168 hour trap seal flush (SW1 in OFF position on rear of sensor). If a 48 hour trap seal flush is desired, set SW1 to ON position. (Figure 3A)

STEP 2 – Mount Automatic Sensor (Figure 3)

Install the Zurn Automatic Sensor into the lower half of the 2-gang electrical box using two (2) screws provided. Connect the 2-wire power cable and 3-wire actuator cable to sensor. Connectors are keyed to insure correct polarity. Ensure that the sensor is mounted in the orientation shown (with lens angled downward, see Figure 4).

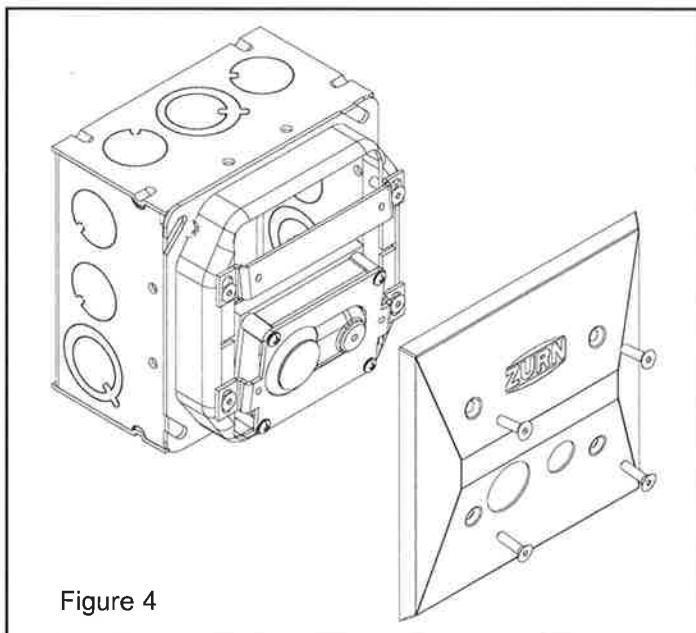
STEP 3 – Install Top Bracket (Figure 3)

Fasten the Top Bracket to the electrical box using (2) screws provided. Ensure that bracket is mounted in the orientation shown (with face angled upward, see Figure 4).



STEP 4 – Install Cover Plate (Figure 4)

Perform a trial fit of the Cover Plate and adjust positions of the sensor and top bracket as needed to ensure alignment of sensor lens, button, and cover screws. Fasten Cover Plate with (4) screws provided.



Mechanical

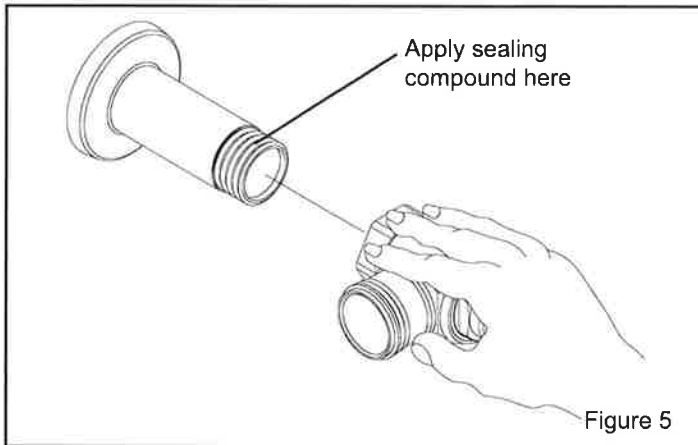
The AquaVantage® design is optimized to operate between 25 and 80 psi (172 to 552 kPa) of water pressure (running). The minimum pressure required for the valve to work properly is determined by the fixture selected. Please consult fixture manufacturer for water pressure requirements. Protect the chrome or special finish of this flushometer during installation. **Do not use toothed tools to install or service the valve as this will damage the finish.** Also, see "Care and Cleaning" section of this manual.

Control Stop Installation Instructions

STEP 1

Install control stop assembly by threading it onto water supply pipe and tightening with a smooth jawed wrench. Apply thread sealing compound or pipe tape to male NPT thread on sweat solder adapter only. See Figure 5.

Prior to turning on main water supply line ensure all stop valves are closed off tight by using a flathead screwdriver and turning the stop valve adjustment screw clockwise.

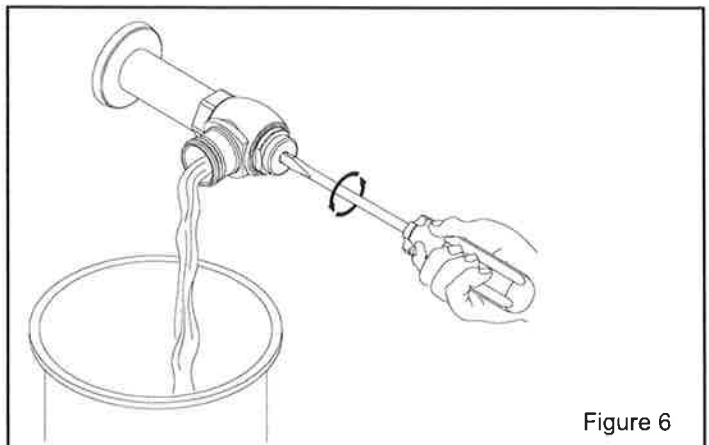


STEP 2

When all stop valves are properly connected to the water supply line and water pressure is available open the control stop using a flathead screwdriver and turning the stop valve adjustment screw counter clockwise. See Figure 6.

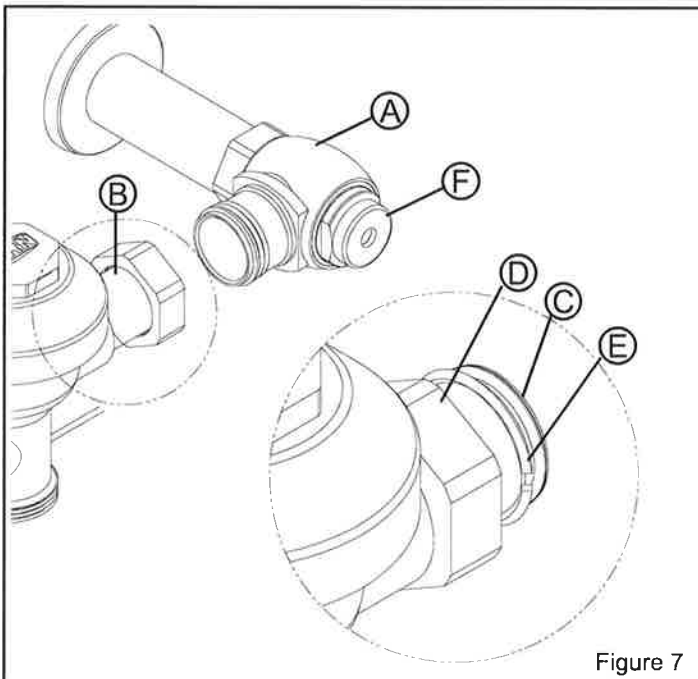
Allow the water supply line to flush any debris or sediment that may be present in the line.

Close the control stop once the lines are completely flushed.



Flush Valve Installation

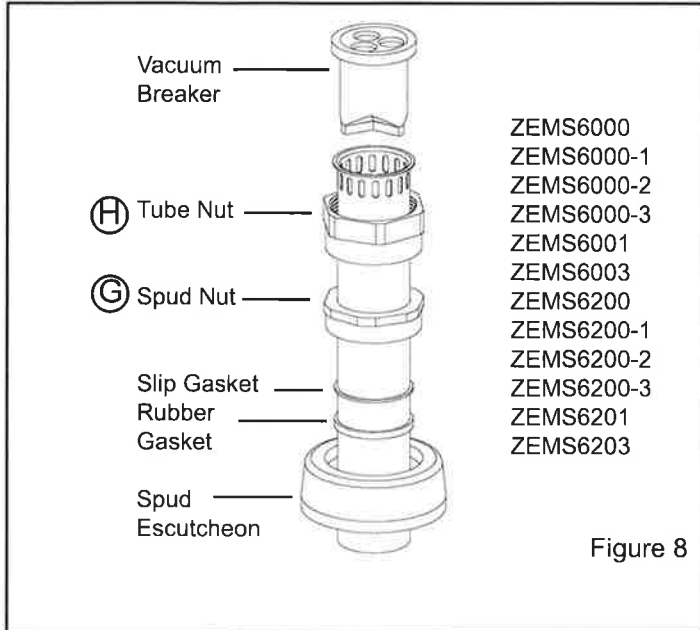
Prior to attaching flush valve to control inspect and verify that the O-ring seal is located within the O-ring groove at the tailpiece. Ensure the locking nut and locking snap ring are also present on the tailpiece. See Figure 7. Lubricate O-ring with water if necessary and insert flush valve tailpiece into the control stop valve. Tighten locking nut using a smooth jawed wrench.



Install Vacuum Breaker Flush Connection

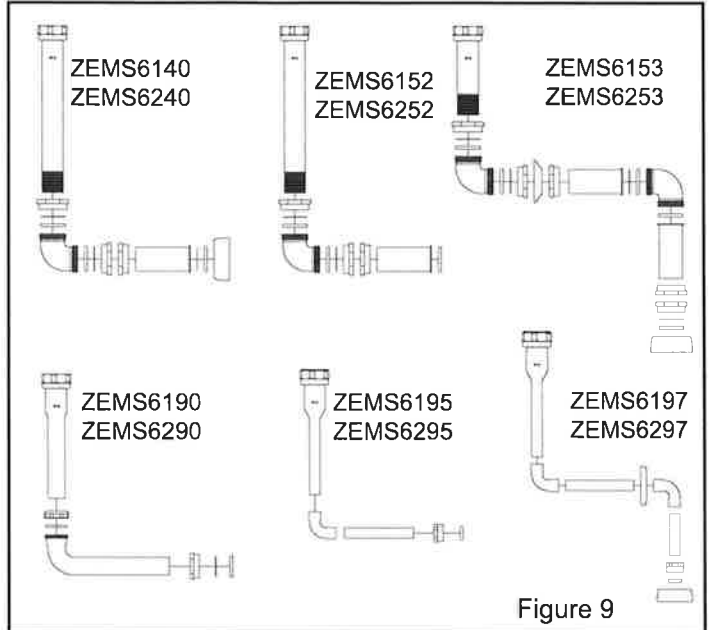
Models ZEMS6000, ZEMS6000-2, ZEMS6000-3, ZEMS6001, ZEMS6003, ZEMS6200, ZEMS6200-2, ZEMS6200-3, ZEMS6201, and ZEMS6203

Slide the tube nut (H), spud nut (G), slip gasket, rubber gasket and spud escutcheon over the vacuum breaker tube and insert tube into fixture spud. Hand tighten tube nut to valve body and hand tighten spud nut onto fixture spud. Adjust the valve assembly for plumb. Tighten fixture spud nut (G), vacuum breaker tube nut (H) and lock nut (D) (fig. 7 & 8) with a wrench.



Models ZEMS6140, ZEMS6152, ZEMS6153, ZEMS6190, ZEMS6195, ZEMS6197, ZEMS6240, ZEMS6252, ZEMS6253, ZEMS6290, ZEMS6295 and ZEMS6297 (Figure 9)

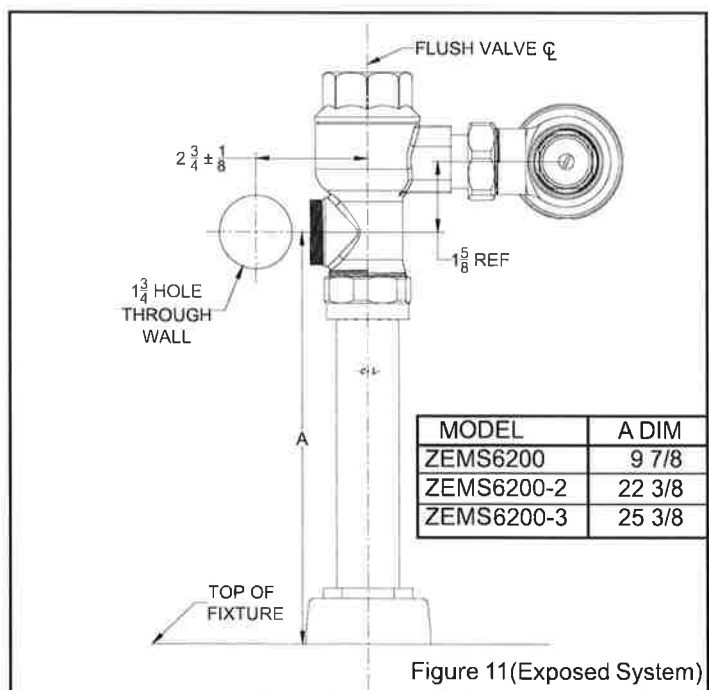
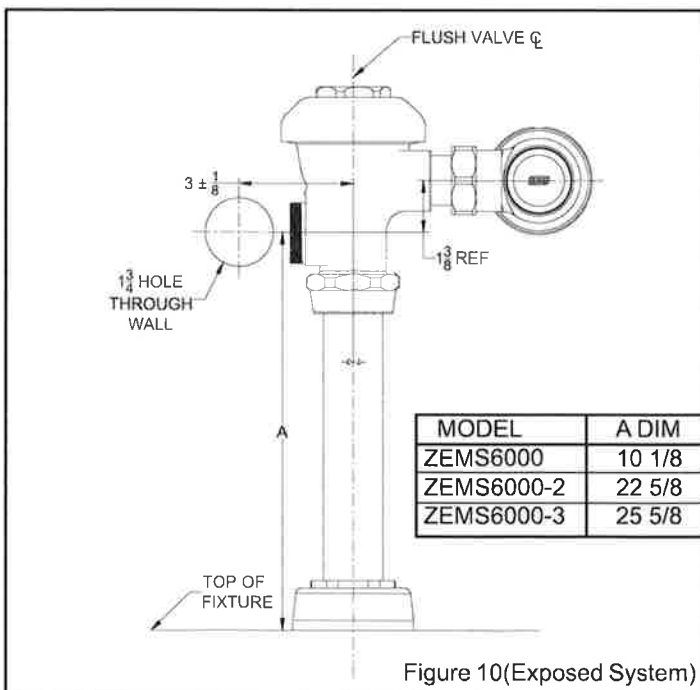
NOTE: When cutting scored pipe, leave a minimum of 1-1/4" of scoring to ensure engagement with compression coupling. Assemble pipe, elbows, couplings, slip washers, rubber gaskets and flanges as illustrated in Figure 9. Hand tighten all couplings. Once installation is completed, tighten all connections.



Motor Actuator Installation

1. Drill 1-3/4" diameter hole per Figures 10 or 11.
2. Run "fish tape" from electrical box to 1-3/4" hole.
3. Install actuator escutcheon to the actuator pipe with setscrew toward actuator. Do not tighten setscrew at this time.
4. Pull actuator cable through hole with fish tape and back to sensor box. Secure cable to box with box clamp.
5. With escutcheon loose and handle port washer installed, push cable into wall. The actuator must be angled away from the valve body at this time until the actuator push rod clears the handle port flange. The actuator can now be mounted to the flush valve and tightened.
6. Push escutcheon back to wall and tighten setscrew.

NOTE: See Figure 2 for typical installation including optional mini junction box.



Customized Sensor Range Setting

The ZEMS is factory set to accommodate most closet and urinal installations. If this factory setting does not accommodate your specific environment, follow steps below to customize your range settings for your specific ZEMS model.

CALIBRATION INSTRUCTIONS FOR ZEMS G2

1. Obtain a target. SEE FIGURE 12.
2. PRESS and HOLD button for 10 seconds or until the LED turns solid.
(*Unit will blink four times and flush once while button is being held)
3. RELEASE finger after LED turns solid.
4. PRESS and HOLD button when LED starts blinking.
5. RELEASE finger when LED turns solid.
6. Set target at desired distance, (No less than 16") from sensor face and verify NO other objects are in view of sensor face.
7. Keep target steady - Unit will blink while calibrating.
8. After 30 seconds, calibration ends with a fast double blink or a solid LED for 5 seconds.
9. IF THE LED REMAINS SOLID FOR 5 SECONDS AFTER CALIBRATION, the calibration was NOT successful. REPEAT STEPS 2-8
10. For closet installations continue to "VERIFY CALIBRATION FOR CLOSET INSTALLATIONS".

Verify Calibration for Closet Installations

1. Stand outside closet stall and close door and verify that sensor does not see stall door. If LED blink/flashes, recalibrate to a shorter range.
2. Slowly open door to closet stall while looking at ZEMS-IS sensor.
3. If led blinks while door is opening, recalibrate to a shorter range.
FAILURE TO DO SO WILL RESULT IN GHOST FLUSHING.

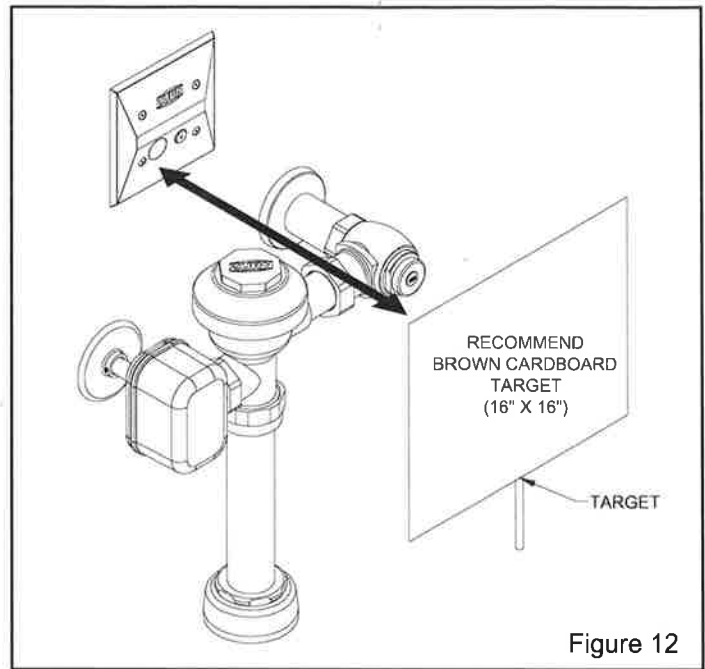


Figure 12

Activating the Motor Actuator with the Sensor

To activate the motor actuator with the sensor, simply place a target in front of the sensor. A single red light will flash indicating the sensor has recognized the target. If the target stays in view for eleven seconds, two flashing red lights will occur. This indicates that the target has been in view for the required time and upon leaving the view, a signal will be sent to the motor actuator to flush the flush valve. NOTE: If the target does not stay in view for the required eleven seconds, a flush will not occur.

IMPORTANT NOTE: Excessive water flow creates noise, while too little flow will not satisfy the needs of the fixture. Proper adjustment is made when:

1. The plumbing fixture is cleansed after each flush without splashing water out from the lip.
2. A quiet flushing cycle is achieved.

After adjustment: Replace the Zurn stop cap screw cover.

Care and Cleaning Instructions

Do not use abrasive or chemical cleaners to clean Flushometers, sensor, and actuators as they may degrade the sensor lens, dull the luster, and attack the chrome or special decorative finishes. Use only mild soap and water, then wipe dry with a clean cloth or towel.

While cleaning the bathroom tile, the Flushometer and actuator should be protected from splattering of cleaner. Do not use acids and cleaning fluids as they can damage the optics lens and chrome plating.

Seasonal use.

Valves that are used in installations subject to shut down because of cold and freezing conditions should be maintained in the following manner.

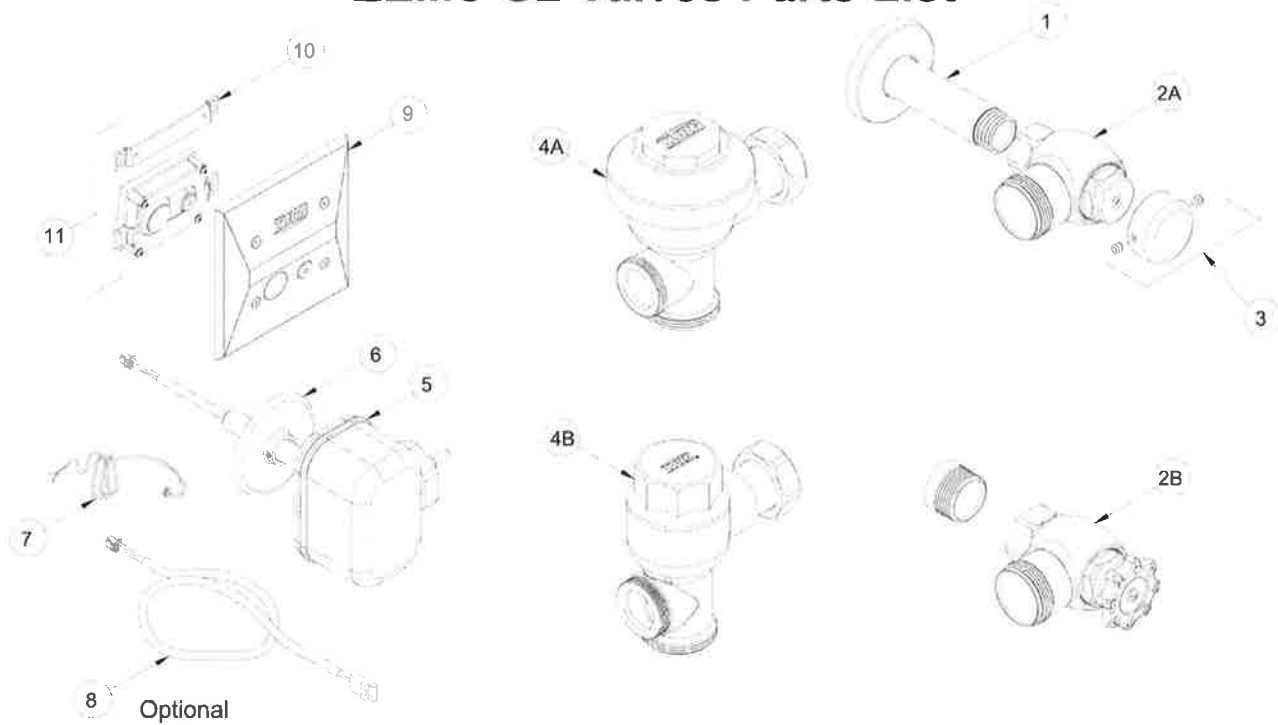
1. Shut off the main supply.
2. Drained water.
3. Remove the stop valve cap and stop internals to allow the water to drain from the flush valve and supply line.

ZEMS G2 Trouble Shooting

Problem	Possible Cause	Corrective Action
Valve will not operate.	1) Stop valve is closed	1) Open stop valve.
	2) Supply valve is closed.	2) Open supply valve.
	3) The electric wire(s) is not connected.	3) Connect the wires.
	4) Sensor lens may be dirty.	4) Clean lens.
	5) Reflective surface in front of sensor.	5) Remove the reflective surface from in front of the sensor.
	6) Detection range not adjusted properly.	6) Adjust the detection range.
	7) The infrared sensor or the actuator is out of order.	7) Contact distributor for replacement.
	8) Sensor fault	8) Replace sensor
	9) No power provided by power supply	9) Replace power supply
Flush valve does not activate after user leaves	1) Sensor does not recognize a user	1) Re-calibrate sensor per "Calibration Instructions" section.
	2) Power supply may be disrupted	2) Check available voltage where escutcheon is attached to wall with DC voltmeter. 7.4-9 VDC is required.
	3) Verify connection to actuator.	
Repeated valve activation when power is provided	1) Insufficient DC power level (less than 7.4 volts DC)	1) Upgrade the -HW6 power supply to the new ZURN power supply (greater than 7.4 volts DC) or replace the ACA supply.
Insufficient volume of water to adequately siphon fixture	1) Stop valve is not open enough.	1) Open stop valve for desired volume of water.
	2) Urinal piston installed in closet valve.	2) Replace urinal piston with proper closet piston.
	3) Insufficient volume or pressure at supply.	3) Consult fixture guide for minimum gallons per minute flow and running pressure for satisfactory performance.
Valve is flushing too long or not shutting off.	1) Trip mechanism not seating properly due to foreign material between trip mechanism and seat.	1) Disassemble parts and rinse thoroughly.
	2) By-pass orifice is plugged or partially plugged.	2) Examine by-pass orifice and clean if necessary being certain not to enlarge orifice opening.
	3) Line pressure is not adequate to force trip mechanism to seal.	3) Pressure is inadequate or has dropped below minimum operating range. Steps should be taken to increase the line pressure.
Water splashes out of fixture/	1) Supply volume is more than is necessary.	1) Adjust downward on control stop.
	2) Lime accumulation on vortex or spreader holes of fixture.	2) Remove the lime build up.
Flush is not considered quiet.	1) Control stop may not be adjusted for quiet operation.	1) Adjust the control stop for quiet operation keeping in mind the fixture evacuation requirements.
	2) Fixture may be contributing to noise.	2) Check noise created by fixture by placing a cover over the bowl opening to separate valve noise from bowl noise. If it is determined the fixture is too noisy, consult with fixture manufacturer.
	3) Piping system may be source of noise.	3) High pressure in the system can sometimes be controlled by the stop valve. Other sources of noise may be the absence of air chamber and shock arrestors, loose pipes, improper size pipes, etc. In these cases the building engineer should be consulted.
Flush valve "ghost" flushes or activates randomly with no user present.	1) Sensor Lens may be dirty.	1) Clean lens.
	2) Power supply output is out of tolerance.	2) DC voltage must be between 7.4-9 volts. Check for power fault or malfunction in a unit or replace with a Zurn power converter.
	3) Sensor is viewing stall door.	3) Re-calibrate sensor per "Calibration Instructions" section.
Flush valve shuts off too quick.	Diaphragm Valves	
	1) Damaged diaphragm.	1) Install new P6000-ECA, P6000-EUA replacement kit.
	2) Enlarged by-pass orifice.	2) Install new P6000-ECA, P6000-EUA replacement kit.
	Piston Valves	
	1) Damaged piston.	1) Install new P6200-EC, P6200-EU replacement kit.
	2) Enlarged by-pass orifice.	2) Install new P6200-EC, P6200-EU replacement kit.
Valve is short flushing	Diaphragm Valves	
	1) Enlarged by-pass orifice.	1) Install new P6000-ECA, P6000-EUA replacement kit.
	2) Urinal piston installed in closet valve.	2) Replace urinal piston with proper closet piston.
	Piston Valves	
	1) Enlarged by-pass orifice.	1) Install new P6200-EC, P6200-EU replacement kit.
	2) Urinal piston installed in closet valve.	2) Replace urinal piston with proper closet piston.



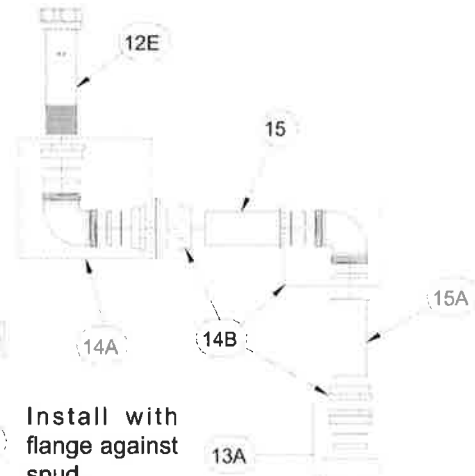
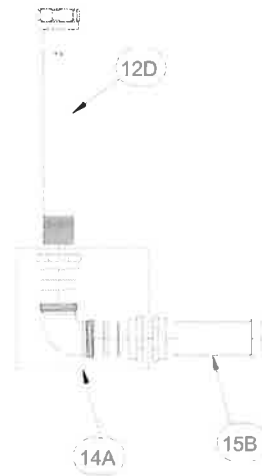
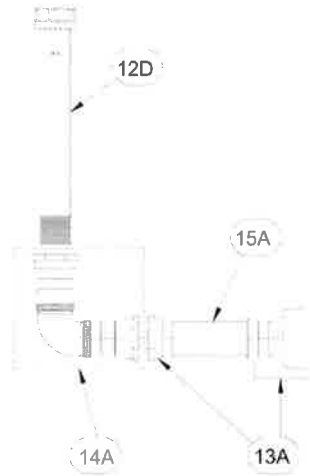
ZEMS G2 Valves Parts List



ZEMS6140
ZEMS6240

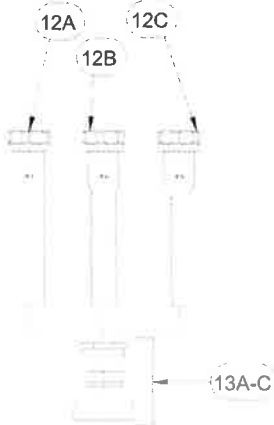
ZEMS6152
ZEMS6252

ZEMS6153
ZEMS6253



Install with
flange against
spud.

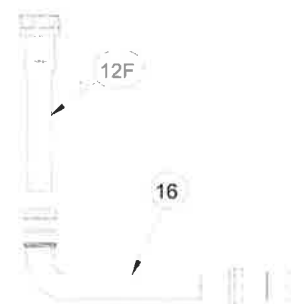
ZEMS6000 ZEMS6200
ZEMS6000-1 ZEMS6200-1
ZEMS6000-2 ZEMS6200-2
ZEMS6000-3 ZEMS6200-3
ZEMS6001 ZEMS6201
ZEMS6003 ZEMS6203



ZEMS6190
ZEMS6290

ZEMS6195
ZEMS6295

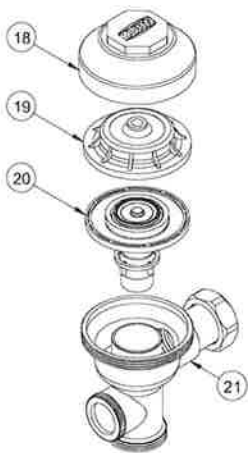
ZEMS6197
ZEMS6297



ZEMS G2 Valve Parts List (Continues)

1.	P6000-YBYC P6003-YBYC	Closet Cast Wall Escutcheon & Solder Kit Urinal Cast Wall Escutcheon & Solder Kit	12A.	P6000-A-AA-CP	Chrome Plated 1-1/2" X 8 1/2" Vacuum Breaker Assembly
2A.	P6000-C-SD-CP P6003-C-SD-CP P6000-C-SD-RB P6003-C-SD-RB	Chrome Plated Closet Stop Assembly Chrome Plated Urinal Stop Assembly Rough Brass Closet Stop Assembly Rough Brass Urinal Stop Assembly		P6000-2-A-AA-CP	Chrome Plated 1-1/2" X 21" Vacuum Breaker Assembly
2B.	P6000-C-WH-CP P6003-C-WH-CP P6000-C-WH-RB P6003-C-WH-RB	Chrome Plated Closet Stop Assembly for Wheel Handle Chrome Plated Urinal Stop Assembly for Wheel Handle Rough Brass Closet Stop Assembly for Wheel Handle Rough Brass Urinal Stop Assembly for Wheel Handle	12B.	P6001-A-AA-CP	Chrome Plated 1-1/4" X 8 1/2" Vacuum Breaker Assembly
3.	P6000-VC	Vandal-Resistant Control Stop Cover	12C.	P6003-A-AA-CP	Chrome Plated 3/4" X 8 1/2" Vacuum Breaker Assembly
4A.	<i>Varies(Z60__,Z61__)</i>	Diaphragm Valve	12D.	P6000-1-A-AA-RB	Rough Brass 1-1/2" X 12 1/2" Vacuum Breaker Assembly
4B.	<i>Varies(Z62__)</i>	Piston Valve	12E.	P6000-A-AA-RB	Rough Brass 1-1/2" X 5" Vacuum Breaker Assembly
5.	PEMS6000-HYM-G2	ZEMS Actuator	12F.	P6001-10-A-AA-RB	Rough Brass 1-1/4" X10" Vacuum Breaker Assembly
6.	PEMS6000-G	ZEMS Escutcheon	12G.	P6003-10-A-AA-RB	Rough Brass 3/4" X 10" Vacuum Breaker Assembly
7.	PEMS6000-CWB-G2	Sensor Power Supply Cable	13A.	P6000-H	1 1/2" Spud Coupling Assembly
8.	PEMS6000-CW-G2	Motor-Sensor Connector Extension Cable, 24" (Optional) (Max 2 per installation)	13B.	P6001-H	1 1/4" Spud Coupling Assembly
9.	PEMS6000-22-G2	ZEMS Sensor Plate with fasteners	13C.	P6003-H	3/4" Spud Coupling Assembly
10.	PEMS6000-22-KIT-G2	ZEMS Top Bracket with fasteners	14A.	P6000-QE3-RB	Rough Brass 1 1/2" Slip Elbow Assembly
11.	PEMS6000-26-G2	ZEMS Sensor with top bracket and fasteners	14B.	P6000-QE3-CP	Chrome Plated 1 1/2" Slip Elbow Assembly
			15A.	P6000-QT1-xx	Chrome Plated Slotless Tube
			15B.	P6000-QT3-xx	Rough Brass Slotless Tube
			16.	<i>Varies</i>	Rough Brass Slip Elbow
			17.	P6000-B-HP	Vacuum Breaker

Z6000 Series



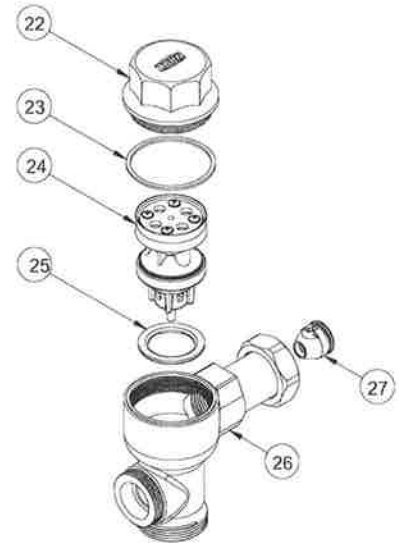
Diaphragm Valves (Z6000 Series)

18.	P6000-LL-CP P6000-LL-RB	Chrome Plated Valve Body Outside Cover Rough Brass Valve Body Outside Cover
19.	P6000-L	Valve Body Inside Cover
20.	P6000-ECA-WS P6000-ECA-WS1 P6000-ECA-HET P6000-EUA-WS P6000-EUA-WS1 P6000-EUA-EWS P6000-EUA-ULF	Closet Repair Kit (3.5 gpf) Low Consumption Closet Kit (1.6 gpf) High Efficiency Closet Kit (1.28 gpf) Urinal Repair Kit (1.5 gpf) Low Consumption Urinal Kit (1.0 gpf) High Efficiency Urinal Kit (0.5 gpf) Pint Urinal Kit (0.125 gpf)
21.	<i>P6000-19__</i>	Valve Body

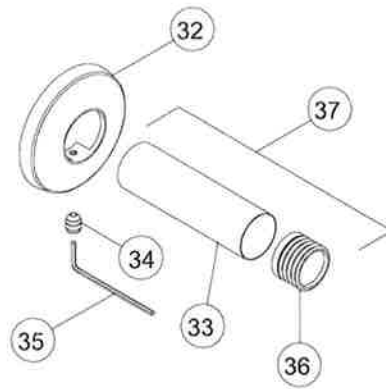
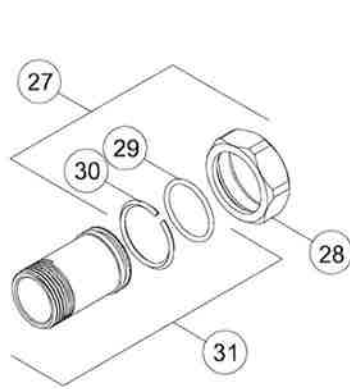
Piston Valves (Z6200 Series)

22.	P6200-LL-CP P6200-LL-ULF-CP	Valve Body Cover .125 gpf Valve Body Cover
23.	P6200-LL-CG	Valve Body Cover Gasket
24.	P6200-EC-WS1 P6200-EC-HET P6200-EU-WS1 P6203-EU-EWS P6203-EU-ULF	Low Consumption Closet Kit (1.6 gpf) High Efficiency Closet Kit (1.28 gpf) Low Consumption Urinal Kit (1.0 gpf) High Efficiency Urinal Kit (0.5 gpf) Ultra Low Flush Kit (.125 gpf)
25.	P6000-S-30 P6200-MS-ULF	Main Seat .125 gpf Main Seat
26.	<i>Varies</i>	Valve Body
27.	PTR6203-FA-LF	Urinal 0.125/0.250 gpf Tailpiece filter

Z6200 Series



Valve Repair Parts List (Continues)

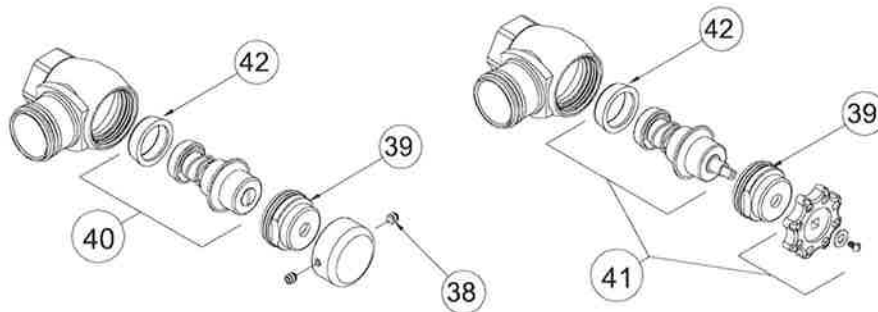


- 27. P6000-K
- 28. P6000-C32-CP
P6000-C32-RB
- 29. P6000-C31
- 30. P6000-C30
- 31. P6000-J
- 32. P6000-YC
P6003-YC

- Tailpiece Coupling Assembly
- Chrome Plated Locking Nut
- Rough Brass Locking Nut
- Tailpiece O-Ring
- Snap Ring
- Adjustable Tailpiece Assembly
- 1" Cast Wall Escutcheon
- 3/4" Cast Wall Escutcheon

- 33. P6000-YB-CVR
P6003-YB-CVR
- 34. P6000-YC-SS
- 35. P6000-VC-W-VP
- 36. P6000-YBA
P6003-YBA
- 37. P6000-YB
P6003-YB

- 1" Supply Cover Tube
- 3/4" Supply Cover Tube
- Setscrew for Cast Wall Escutcheon
- 5/64 Allen Wrench
- 1" Sweat Solder Adapter
- 3/4" Sweat Solder Adapter
- 1" Sweat Solder Kit
- 3/4" Sweat Solder Kit



- 38. P6000-VC-SS
- 39. P6000-C34-CP
P6000-C34-RB
- 40. P6000-D-SD
- 41. P6000-D-WH
- 42. P6000-D42

- Set Screw for Control Stop Cover
- Chrome Plated Stop Cap Bonnet
- Rough Brass Stop Cap Bonnet
- Stop Cap Internals
- Stop Cap Internals with Wheel Handle
- Stop Seat



P6000-HW6

Power Converter

For Select Automatic Sensor-Operated
Faucets & Flushometers

Installation, Operation, Maintenance
and Parts Manual

Patented and Patents Pending



P6000-HW6 (7.6VDC)

Hardwired Power Converter for Flush Valves and Faucets

⚠ WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov

⚠ ADVERTENCIA: Cáncer y daño reproductivo - www.P65Warnings.ca.gov

⚠ AVERTISSEMENT: Cancer et effets néfastes sur la reproduction - www.P65Warnings.ca.gov

LIMITED WARRANTY

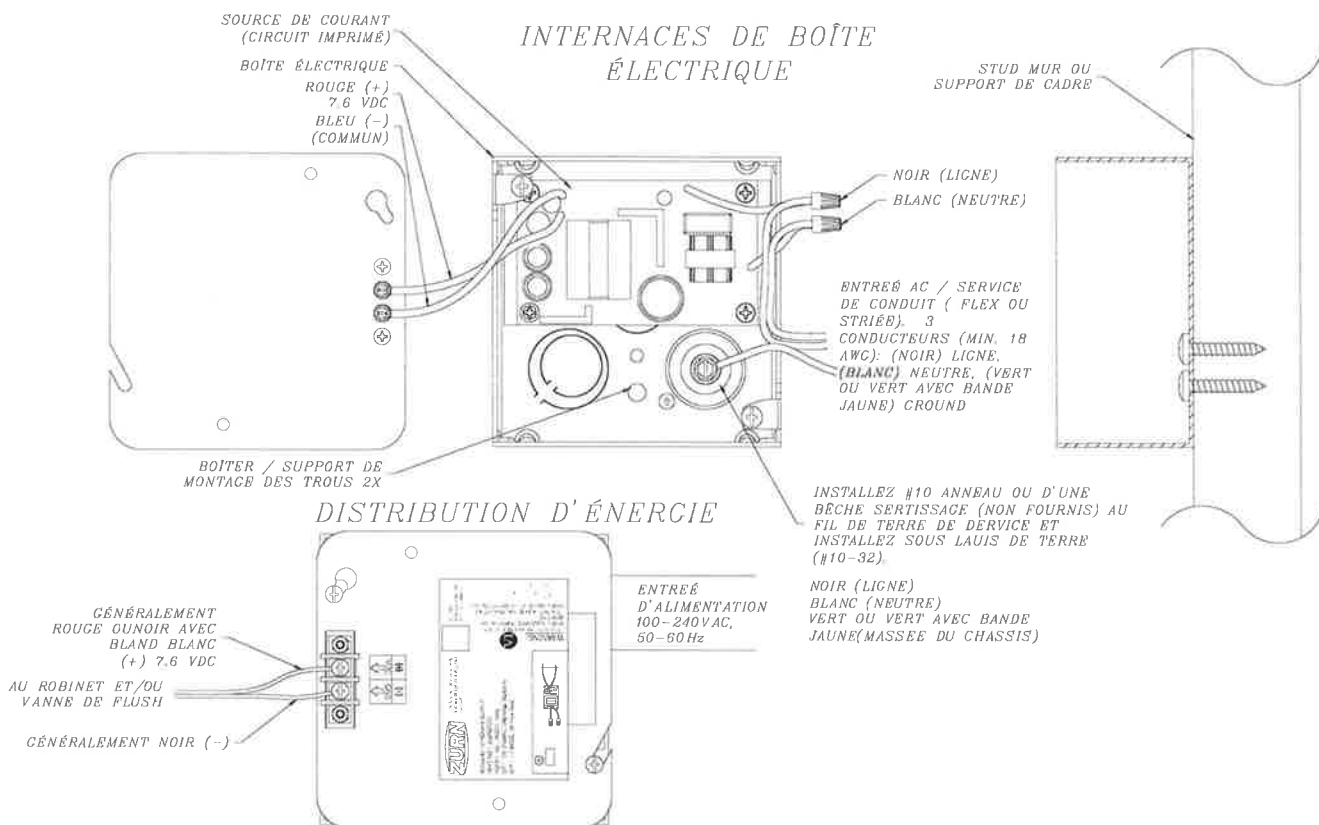
All goods sold hereunder are warranted to be free from defects in material and factory workmanship for a period of three years from the date of purchase. Decorative finishes warranted for one year. We will replace at no costs goods that prove defective provided we are notified in writing of such defect and the goods are returned to us prepaid at Sanford, NC, with evidence that they have been properly maintained and used in accordance with instructions. We shall not be responsible for any labor charges or any loss, injury or damages whatsoever, including incidental or consequential damages. The sole and exclusive remedy shall be limited to the replacement of the defective goods. Before installation and use, the purchaser shall determine the suitability of the product for his intended use and the purchaser assumes all risk and liability whatever in connection therewith. Where permitted by law, the implied warranty of merchantability is expressly excluded. If the products sold hereunder are "consumer products," the implied warranty of merchantability is limited to a period of three years and shall be limited solely to the replacement of the defective goods. All weights stated in our catalogs and lists are approximate and are not guaranteed.

Installation Instructions:

Caution: Circuit may be energized. 100-240 VAC 50/60 Hz

- 1.) Verify circuit with a voltmeter or inductive AC power probe that AC power has been turned OFF. Recommend securing circuit power OFF via Lock-Out/Tag-Out methods prior to installation, service, or replacement of unit.
- 2.) Loosen the 2 enclosure/cover retaining screws and rotate the power supply integrated cover plate to allow internal access of the 4" L x 4" W x 2-1/8" D electrical enclosure box.
- 3.) Connect the 4" L x 4" W x 2-1/8" D electrical enclosure box to conduit (conductor/cable clamps are NOT provided) and securely fasten the enclosure with suitable fasteners to a frame or support member. Two holes are accessible in the bottom of the enclosure with the supply installed on the standoffs. A minimum of (2) screws should be inserted through the enclosure holes and secured into a wooden or steel stud, frame support, or other supporting surface. Suitable fasteners (wood screws, sheet metal screws, or expansion fasteners are not provided with this product).

Note: Do not remove supply from the enclosure.



- 4.) Connect the P6000-HW6 power supply to the AC service conductors as outlined below in the diagrams. The internal (Line & Neutral) conductor terminations/connections, shall be implemented using UL approved screw terminals, wire nuts, insulated crimp splices, or soldered using hook & loop method with the solder joint(s) post insulated or as specified within the National Electrical Code (NEC) and/or superseding relevant local specified code(s).
- 5.) Connect frame/safety ground from AC service as outlined above.
- 6.) Verify continuity between the enclosure and the frame/safety ground supply line.
- 7.) Form conductor leads as required to allow unimpeded installation of the cover plate (with integrated terminal block) to the electrical box enclosure and secure the cover with the 2 cover screws.
- 8.) Restore AC power and measure the low voltage output with a DC voltmeter to verify output to be ~7.6 VDC.
- 9.) Install M4.0 or #8 ring or spade crimp terminals (not provided) to the product leads for attachment to the low voltage output terminals as labeled.

Note: For remote lengths of < 40', recommend utilizing 18AWG, CMP, CMR, CMX or other UL performance category type cables as specified in the NEC for overhead, behind walls, vertical shafts, and/or plenum installations. Remote installation to the final product connector/cable should be implemented using a Mini-junction box, insulated connectors/crimp splices/screw terminals, or soldered using hook and loop method with the solder joint(s) post insulated with heat shrink or electrical tape.

- 10.) Ground Jumper is required for sensor circuit noise reduction and should not be removed.

P-4



Wall Hung Bathroom Sink

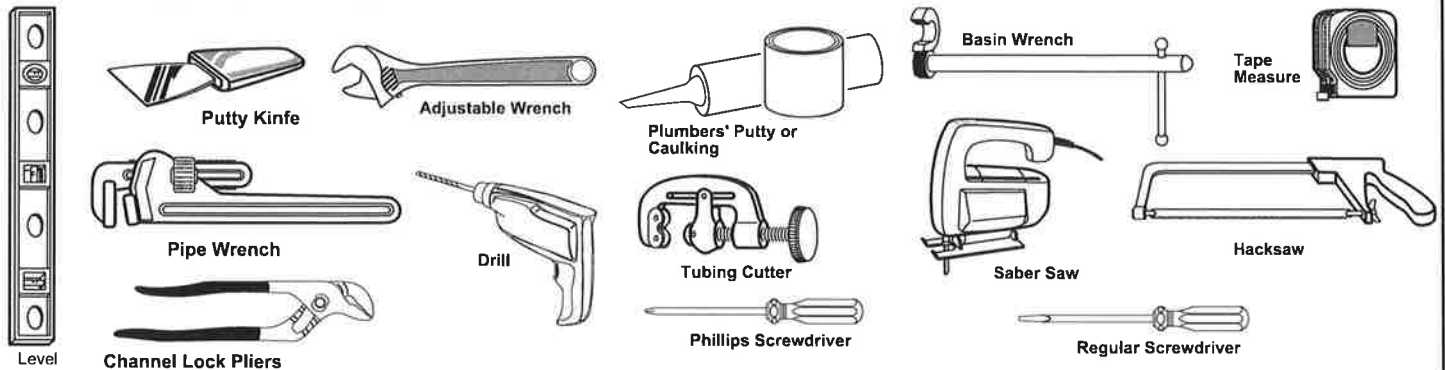
***NOTE:** For installation of models using concealed or exposed arms, follow instruction provided by arms manufacturer.

Introduction: Thank you for selecting our products...products which have been the benchmarks of fine quality for years. To help insure that the installation process will proceed smoothly, please read these instructions carefully before you begin. Also, review the recommended tools and materials list; carefully unpack and examine your new plumbing fixture.

⚠ CAUTION: PRODUCT IS FRAGILE. TO AVOID BREAKAGE AND POSSIBLE INJURY HANDLE WITH CARE!

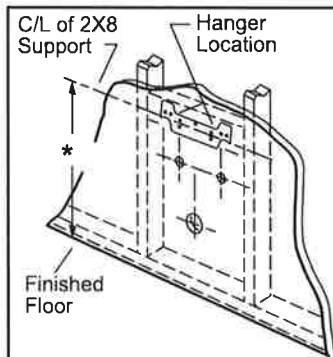
NOTE: Pictures may not exactly define contour of china and components.

Recommended Tools & Materials



1 Provide suitable reinforcement behind finished wall for lavatory hanger mounting screws. *Determine horizontal center line location of support from the table listed in Step 2. (Make sure support bottom extends to lavatory back wall bottom.)

NOTE: If replacing an existing sink be certain to shut off water supply before removing old sink.



3 Position hanger according to Step 2, making sure its center is aligned with the waste hole centerline. Mark the hanger screw locations through its mounting holes.

4 Drill pilot holes in positioning screw slots of hanger. (Note: Some models are supplied with anchor screws, or steel hangers for lavatory installations. Other models are not provided with mounting hardware which can be purchased at local hardware outlets. Lavator-ies with bottom anchor screw holes should be secured with anchor screws in addition to hangers.)

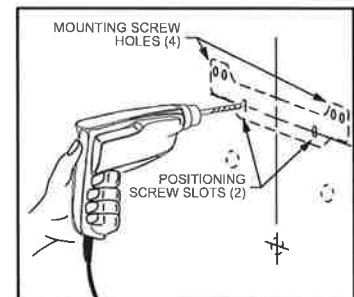
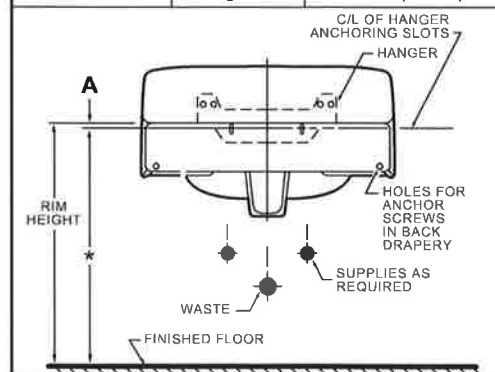
2 Determine the desired rim height (for example 32") then select from the Table at right the height of the hanger mounting bolts centerline

TABLE		
Part #	Model	Distance "A"
0124	Comrade	- 2-1/2" (64mm)
0321	Declyn	- 2-3/4" (70mm)
0355/0356	Lucerne	- 1" (25mm)
0372/0373	Penlyn	- 1/8" (3mm)
4300	Ledgewood	+ 2-7/8" (73mm)
4867/4869	Regalyn	+ 2-3/4" (70mm)
5300	Ledgemere	+ 2-1/2" (64mm)

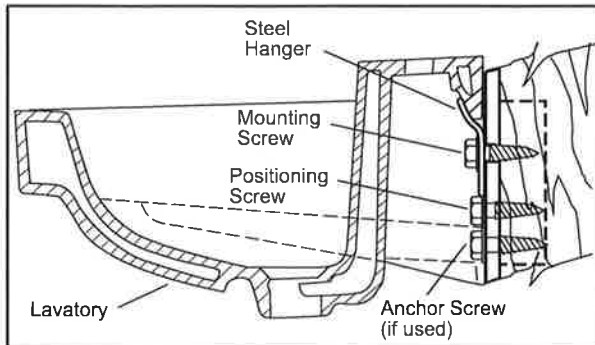
EXAMPLE:

For Lucerne:
32"-1"=31"

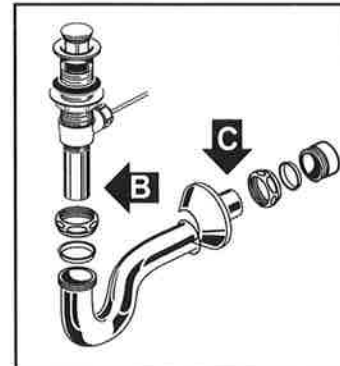
For Ledgewood:
32"+2-7/8"=34-7/8"



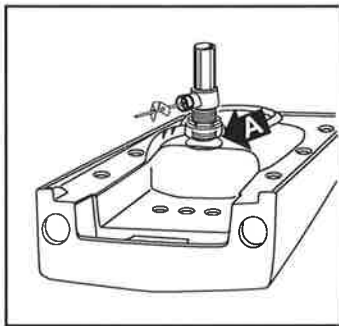
5 Affix hanger to wall (hand tighten only). Mount lavatory for positioning, level the deck, and mark bottom anchor screw holes (if applicable). Remove lavatory, tighten the hanger positioning screws and drill pilot holes for anchor screws and 4 mounting screws. Install and tighten the mounting screws.



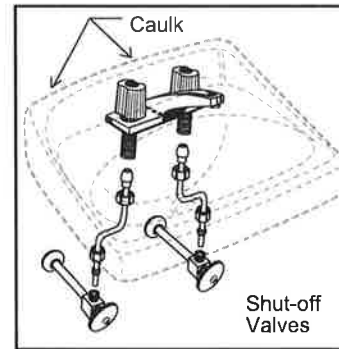
7 Return the fitted lavatory to the installed position. Connect trap to drain assembly hand tight to check alignment. It may be necessary to cut off part of the tailpiece (area "B") or part of the horizontal leg of the trap (area "C").



6 Following manufacturers instructions, install faucet and drain assembly. (Not included). Be certain to apply a bead of sealing putty on the underside of the drain (Part "A") in order to ensure a watertight seal between the lavatory and drain. Remove excess putty after installing drain on lavatory.



8 Secure lavatory on hanger as shown in 5. Insert and tighten anchor screws if applicable. Connect hot and cold supply lines to the shut-off valves. Tighten trap joints for watertight assembly. Apply a bead of caulk around the edge which contacts the wall as shown.



American Standard

Ideal Standard

Incesa Standard

Sadona Standard

Cedexa

Saniwares

AMERICAN STANDARD ONE-YEAR LIMITED WARRANTY

If inspection of this American Standard plumbing product, within one year after its initial installation, confirms that it is defective in materials or workmanship, American Standard will repair or, at its option, exchange the product for a similar model.

This limited warranty **does not apply** to local building code compliance; since local building codes vary considerably, the purchaser of this product should check with a local building or plumbing contractor to insure local code compliance before installation.

This warranty **shall be void** if the product has been moved from its initial place of installation; if it has been subjected to faulty maintenance, abuse, misuse, accident or other damage; if it was not installed in accordance with American Standard's instructions; or if it has been modified in a manner inconsistent with the product as shipped by American Standard.

American Standard's option to repair or exchange the product under this warranty does not cover any labor or other costs of removal or installation, **nor shall American Standard be responsible for any other incidental or consequential damages attributable to a product defect or to the repair or exchange of a defective product, all of which are expressly excluded from this warranty.** (Some states or provinces do not allow the exclusion or limitation of implied warranties, so this exclusion may not apply to you.)

This warranty gives you specific legal rights. You may have other statutory rights that vary from state to state or from province to province, in which case this warranty does not affect such statutory rights.

For service under this warranty, it is suggested that a claim be made through the contractor or dealer from or through whom the product was purchased, or that a service request (including a description of the product model and of the defect) be sent to the following address:

In the United States:

American Standard, Inc.
One Centennial Ave.
Piscataway, New Jersey 08855
Attention: Director of Consumer Affairs

Toll Free: (800) 442-1902

In Canada:

American Standard, Inc.
2480 Stanfield Rd.,
Mississauga, Ontario
Canada L4Y 1S2
Toll Free: (800) 387-0369

In Mexico:

Customer Service Manager
American Standard, Inc.
Via Morelos #330
Col. Santa Clara
Ecatepec 55540 Edo. Mexico



see what Delta can do™

107571



X00107571

SINGLE HANDLE BATHROOM CENTERSET FAUCETS

LLAVES MONOCONTROL DE MONTURA DE CENTRO PARA LAVAMANOS

ROBINETS À ENTRAXE COURT À UNE POIGNÉE


Model Number: _____
Número del modelo _____
Numéro de modèle _____

Register Online
Regístrese en línea
S'enregistrer en ligne
www.deltafaucet.com/registerme

To reference replacement parts and access additional technical documents and product info, visit www.deltafaucet.com

Para referencia sobre las piezas de repuesto y acceder a documentos técnicos adicionales e información del producto, visite www.deltafaucet.com

Pour obtenir la référence des pièces de rechange ainsi que pour avoir accès à d'autres documents techniques et renseignements sur le produit, allez à www.deltafaucet.com

 1-800-345-3358
customerservice@deltafaucet.com

Read all instructions prior to installation.

CAUTION

Failure to read these instructions prior to installation may result in personal injury, property damage, or product failure. Manufacturer assumes no responsibility for product failure due to improper installation.

Lea todas las instrucciones antes de hacer la instalación.

ADVERTENCIA

El no leer estas instrucciones de instalación puede resultar en lesiones personales, daños a la propiedad, o falla en el funcionamiento del producto. El fabricante no asume ninguna responsabilidad por la falla del producto debido a una instalación incorrecta.

Veillez lire toutes les instructions avant l'installation.

AVERTISSEMENT

L'omission de lire les présentes instructions avant l'installation peut entraîner des blessures, des dommages matériels ou le bris du produit. Le fabricant se dégage de toute responsabilité à l'égard d'un bris du produit causé par une mauvaise installation.

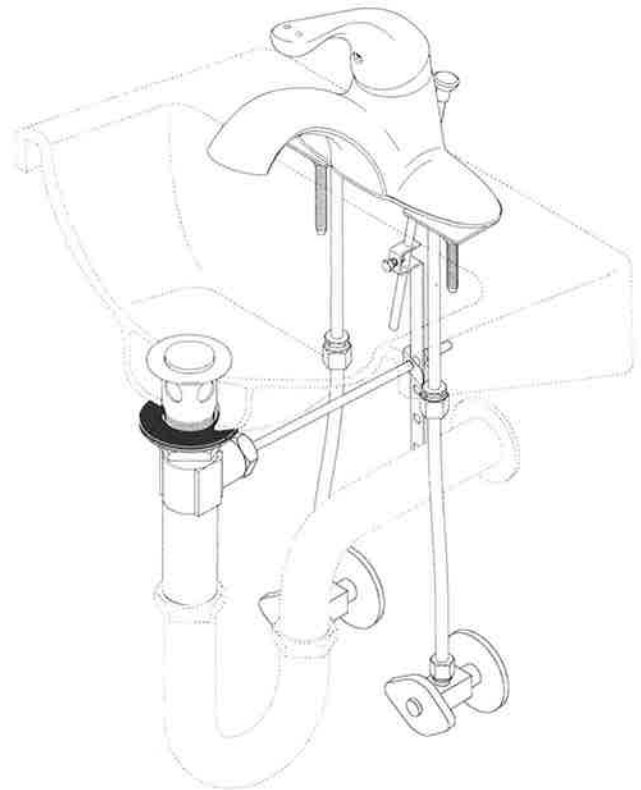


Image is for reference only.
La imagen es sólo para referencia.
L'image est fournie à titre indicatif seulement.

You may need:
Usted puede necesitar:
Articles dont vous pouvez avoir besoin :



Cleaning and Care

Care should be given to the cleaning of this product. Although its finish is extremely durable, it can be damaged by harsh abrasives or polish. To clean, simply wipe gently with a damp cloth and blot dry with a soft towel.

Limpieza y Cuidado de su Llave

Tenga cuidado al limpiar este producto. Aunque su acabado es sumamente durable, puede ser afectado por agentes de limpieza o para pulir abrasivos. Para limpiar su llave, simplemente frótela con un trapo húmedo y luego séquela con una toalla suave.

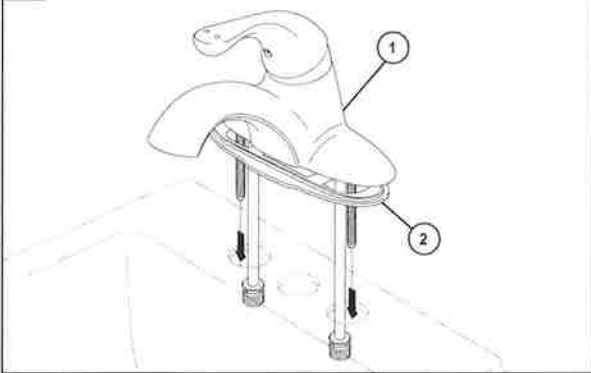
Instructions de nettoyage

Il faut le nettoyer avec soin. Même si son fini est extrêmement durable, il peut être abîmé par des produits fortement abrasifs ou des produits de polissage. Il faut simplement le frotter doucement avec un chiffon humide et le sécher à l'aide d'un chiffon doux.

1

INSTALLATION OF SPOUT INSTALACIÓN DEL SURTIDOR INSTALLATION DU BEC

A.



A. Position faucet (1) and gasket (2) on sink. *Option: If sink is uneven, use silicone under the gasket.*

B. Secure with washers (1) and nuts (2).

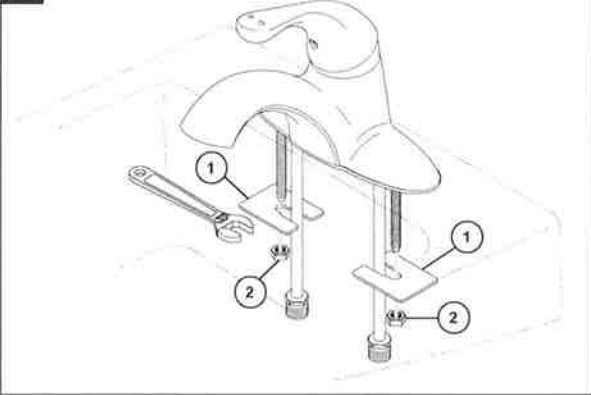
A. Coloque la llave (1) y el empaque (2) en el lavamanos. *Opción: Si el lavamanos está desnivelado, use silicón debajo del empaque.*

B. Fije con arandelas (1) y tuercas (2).

A. Placer le robinet (1) et le joint (2) sur l'évier. *Facultatif - Si la surface de l'évier est inégale, placez du composé d'étanchéité à la silicone sous le joint.*

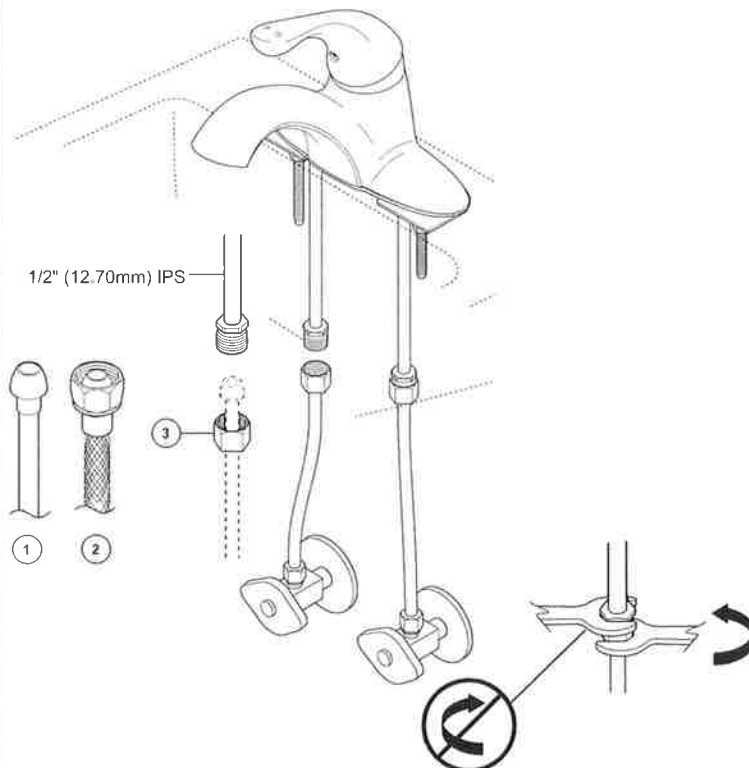
B. Fixez le robinet à l'aide des rondelles (1) et des écrous (2).

B.



2

SUPPLY LINE CONNECTIONS CONEXIONES DE LAS LÍNEAS DE SUMINISTRO BRANCHEMENTS À LA TUYAUTERIE D'ALIMENTATION



Note: Be careful when bending the copper tubing. Kinked tubes will void the warranty.

Choose hook-ups for 1/2" I.P.S. connections: (1) Ball nose riser (3/8" O.D. copper tubing), or (2) 1/2" I.P.S. faucet connector. Use the enclosed coupling nuts (3) with the ball nose risers (1).

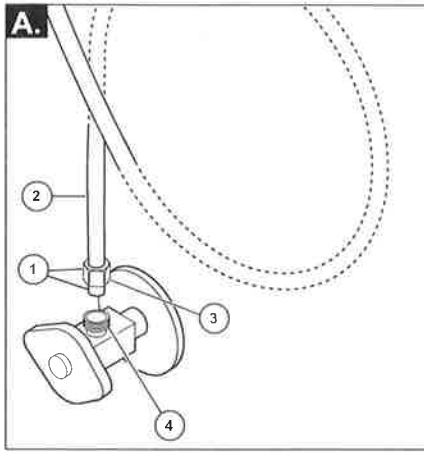
Important: Use two wrenches when tightening. Do not over-tighten.

Nota: Tenga cuidado cuando doble la tubería de cobre. Tubos torcidos anularán la garantía.

Escoja las conexiones IPS de 1/2": (1) Conexión Bola-nariz (Tubería cobre 3/8" D.E.), o (2) Conector de llave I.P.S. 1/2". Utilice las tuercas de acoplamiento incluidas (3) con la conexión bola-nariz (1). **Utilice dos llaves de tuercas cuando apriete. No apriete demasiado.**

Note - Prenez garde de pincer les tubes en les cintrant. La garantie est nulle si les tubes ont été pincés.

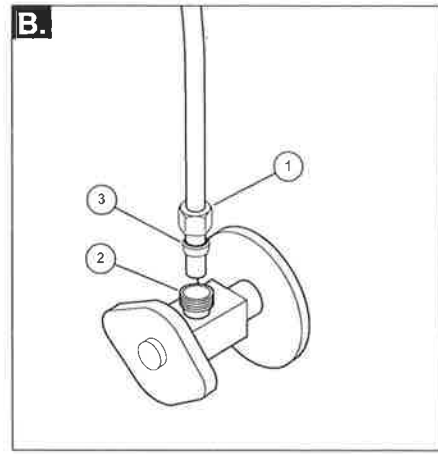
Choisissez des raccords compatibles 1/2 po IPS : (1) tubes-raccords à portée sphérique (tube en cuivre 3/8 po d.e.) ou (2) raccords de robinet 1/2 po IPS. Si vous utilisez des tubes-raccords à portée sphérique (1), servez-vous des écrous de raccordement fournis (3). **Utilisez deux clés pour serrer les raccords. Prenez garde de trop serrer.**



OR

O

OU



A. Standard Connections

NOTICE

To avoid risk of property damage, Follow instructions for proper installation. Failure to follow these instructions may result in risk of property damage caused by leaking at this connection. Do not use pipe dope or other sealants on water line connections.

Ensure all fittings and end connections are free of debris. Faucet fittings (1) are 3/8" compression. Loop tubing (2) if it is too long. Note: Recommended tubing minimum bend diameter is 8". Secure metal nut (3) to supply valve connection (4). Turn nut until it feels snug. Then tighten nut at least 2 more turns with a wrench. Repeat for other tube. Turn on water, examine for leaks.

B. Custom Fit Connections

NOTICE

If you determine the PEX supply tubing for this faucet is too long and must be shorter to create an acceptable installation, be sure to read the instructions and plan ahead. When cutting the supply tubing the installer accepts the responsibility to do so in a way that allows a leak-free joint to be created. Delta is not responsible for tubing that is cut too short or cut in a way that will not allow for a leak-free joint. DO NOT use a metal sleeve (ferrule) or gasket (supplied with faucet) in place of the plastic sleeve (ferrule) supplied, it may not create a leak-free joint. Do not use pipe dope or other sealants on water line connections.

For custom fit installations, you must use plastic sleeves (ferrules) supplied with model and nuts included on supply lines. Tube cut must be straight. See plastic sleeve (ferrule) installation instructions found in and included in this document for more information.

Slide nut (1) over plastic sleeve (ferrule) (3). Start nut by hand onto supply valve connection (2) to prevent cross-threading. Turn nut until it feels snug. Then tighten nut at least 2 more turns with a wrench. Repeat for other supply line. Turn on water, examine for leaks.

Potential Problems and Remedies

- Tubing is not cut perpendicular to the axis of the tube: carefully make an additional cut, being careful not to cut the tube too short.
- Tubing is cut too short: buy a coupling union and a replacement supply line that mate together from a store. The coupling union end intended to connect to the faucet must mate to the standard 3/8" connection nuts and plastic sleeves (ferrules) supplied with the faucet.
- The plastic sleeve (ferrule) or connection nut is lost: purchase a replacement nut and/or plastic sleeve (ferrule) that are designed to seal with PEX tubing.

A. Conexiones Estándares

AVISO

Para evitar el riesgo de daños a la propiedad, siga las instrucciones para una instalación adecuada. El incumplimiento de estas instrucciones puede resultar en arriesgar dañar la propiedad causado por fugas en esta conexión. No utilice compuestos para tuberías ni otros selladores en las conexiones de las líneas de agua.

Asegúrese de que todos los accesorios y las conexiones extremas estén libres de residuos. Los accesorios de la llave de agua (1) son de 3/8" compresión. Enlace el tubo (2) si es demasiado largo. Nota: el diámetro mínimo recomendado de la curva del tubo es de 8". Fije la tuerca metálica (3) a la conexión de la válvula de suministro (4). Gire la tuerca hasta que se sienta ajustada. Luego apriete la tuerca por lo menos 2 vueltas más con una llave de tuercas. Repita con la otra línea de agua, examine para detectar fugas.

B. Conexiones Especiales

AVISO

Si determina que el tubo de suministro de PEX para esta llave de agua es demasiado largo y debe ser más corto para crear una instalación aceptable, asegúrese de leer las instrucciones y planificar con anticipación. Al cortar la tubería de suministro, el instalador acepta la responsabilidad de hacerlo de una manera que permita crear una junta libre de fugas. Delta no es responsable de que los tubos estén cortados demasiado cortos o de una manera que no permita una unión libre de fugas. NO use un manguito o funda de metal (casquillo) o el empaque (suministrado con la llave de agua) en lugar del manguito plástico (casquillo) suministrada, porque es posible no crear una conexión sin fugas. No use compuesto de tuberías ni otros selladores en las conexiones de la línea de agua.

Para instalaciones hechas a la medida, debe usar manguitos plásticos (casquillos) suministrados con el modelo y las tuercas incluidas en las líneas de suministro. El corte del tubo debe ser recto. Consulte las instrucciones de instalación del manguito plástico (casquillo) que se encuentran y se incluyen en este documento para obtener más información.

Deslice la tuerca (1) sobre el manguito plástico (casquillo) (3). Coloque la tuerca a mano en la conexión de la válvula de suministro

(2) para evitar que se entrecrucen. Gire la tuerca hasta que se sienta ajustada. Luego apriete la tuerca por lo menos 2 vueltas más con una llave de tuercas. Repita con la otra línea de suministro. Abra el agua, examine para detectar fugas.

Averías potenciales y remedios

- Si el tubo no se corta perpendicular al eje del tubo: con cuidado haga un corte adicional, teniendo cuidado de no cortar el tubo demasiado corto.
- Si la tubería se corta demasiado corta: compre en una tienda una unión de acoplamiento y una línea de suministro de repuesto que se acoplen. El extremo de la unión del acoplamiento destinado a conectarse a la llave de agua/grifo debe acoplarse con las tuercas de conexión de 3/8" estándar y los manguitos plásticos (casquillos) suministrados con la llave de agua.
- Si el manguito plástico (casquillo) o la tuerca de conexión se pierde: compre una tuerca de repuesto y/o manguito plástico (casquillo) que estén diseñados para sellar con tubería PEX.

A. Branchements Standard

AVIS

Pour prévenir les risques de dommages matériels, respectez les instructions d'installation. L'omission de respecter ces instructions pourrait entraîner des dommages matériels causés par une fuite de ce raccord. N'utilisez pas de pâte lubrifiante ni d'autres produits d'étanchéité sur les raccords de cette conduite d'eau.

Assurez-vous que tous les raccords et les raccords d'extrémité sont exempts de corps étrangers. Ce robinet est muni de raccords (1) à compression de 3/8 po. Cintrer le tube (2) s'il est trop long. Note : Le diamètre de cintrage recommandé est de 8 po. Fixez l'écrou en métal (3) au raccord du robinet d'alimentation (4). Serrez l'écrou jusqu'à ce qu'il soit appuyé, puis faites au moins 2 tours supplémentaires avec une clé. Installez l'autre tube de la même manière. Rétablissez l'alimentation en eau et vérifiez l'étanchéité.

B. Branchements Spéciaux

AVIS

Si vous constatez que le tube d'alimentation en PEX de ce robinet est trop long et vous devez le sectionner pour faire une installation acceptable, lisez les instructions et prévoyez le coup. L'installateur qui sectionne le tube d'alimentation a la responsabilité de le faire d'une manière qui permettra la réalisation d'un joint étanche. Delta se dégage de toute responsabilité dans l'éventualité où le tube sectionné serait trop court ou ne permettrait pas la réalisation d'un joint étanche. N'UTILISEZ PAS le manchon métallique (virole) ou le joint plat (fourni avec le robinet) à la place du manchon de plastique (virole) fourni. Le raccord pourra fuir. N'utilisez pas de pâte lubrifiante ni d'autres produits d'étanchéité sur les raccords de cette conduite d'eau.

Pour les installations sur mesure, vous devez utiliser les manchons en plastique (viroles) fournis avec le modèle et les écrous qui se trouvent sur les tubes d'alimentation. Le tube doit être sectionné perpendiculairement à son axe. Pour obtenir plus de renseignements, veuillez consulter la section du présent document qui traite de l'installation du manchon en plastique (virole).

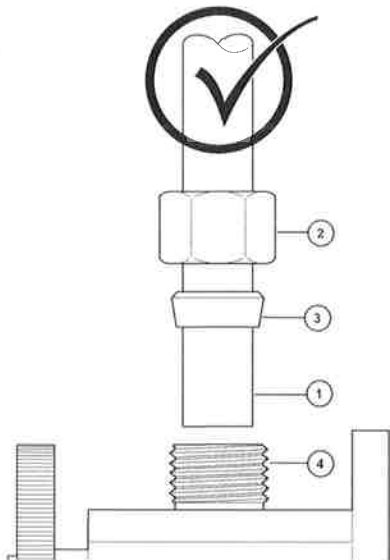
Glissez l'écrou (1) sur le manchon en plastique (virole) (3). Amorcez l'écrou à la main sur le raccord du robinet d'alimentation (2) pour ne pas risquer de foirer le filets. Tournez l'écrou jusqu'à ce qu'il soit

appuyé. Faites ensuite au moins deux tours supplémentaires à l'aide d'une clé. Branchez l'autre tube d'alimentation de la même manière. Rétablissez l'alimentation en eau et vérifiez l'étanchéité.

Problèmes et solutions possibles

- Le tube n'est pas coupé perpendiculairement à l'axe du tube : sectionnez le tube de nouveau minutieusement en vous assurant qu'il ne sera pas trop court.
- Le tube a été sectionné et il est trop court : achetez un raccord-union et un tube d'alimentation de rechange. L'extrémité du raccord-union doit être compatible avec les écrous de raccordement de 3/8 po et les manchons en plastique (viroles) fournis avec le robinet.
- Le manchon en plastique (virole) ou l'écrou de raccordement a été perdu : achetez un écrou et/ou un manchon en plastique (virole) conçus pour assurer l'étanchéité avec un tube en PEX.

Correct method
Método Correcto
Bonne méthode



NOTICE

Failure to use plastic sleeve (ferrule) in the correct orientation will result in disconnection and possible water damage.

1. Determine desired length of supply tube (1). Leave 1" or 2" of extra length to allow for easier installation and cut tube. Ensure cut is straight and burr free.
2. Slide nut (2) and plastic sleeve (ferrule) (3) onto cut supply tube. Ensure plastic sleeve (ferrule) is oriented as shown.
3. Insert supply tube into supply valve connection (4). Supply tube should touch bottom of hole inside supply valve.
4. Slide plastic sleeve (ferrule) down supply tube until it contacts the supply valve connection.
5. Slide nut over plastic sleeve (ferrule). Start nut by hand to prevent cross-threading. Turn nut until it feels snug. Then tighten nut at least 2 more turns with a wrench. Repeat for other supply line. Turn on water, examine for leaks.

AVISO

Si no utiliza el manguito plástico (casquillo) en la orientación correcta resultará en la desconexión y el posible daño por agua.

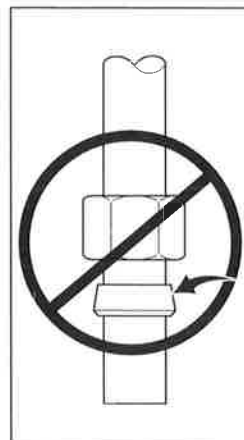
1. Determine el largo deseado del tubo de suministro (1). Agregue 1" ó 2" de más para permitir una instalación más fácil y corte el tubo. Asegúrese que el corte es recto y sin rebabas.
2. Deslice la tuerca (2) y el manguito plástico (casquillo) (3) en el tubo cortado de suministro. Asegúrese el manguito plástico (casquillo) está orientado, como se muestra.
3. Introduzca el tubo de suministro en la conexión de la válvula de suministro (4). El tubo de alimentación debe tocar el fondo del agujero dentro de la válvula de suministro.
4. Deslice el manguito plástico (casquillo) por el tubo de suministro hasta que tenga contacto con la conexión de la válvula de suministro. AVISO: Si no utiliza el manguito plástico (casquillo) en la orientación correcta resultará en la desconexión y el posible daño por agua.
5. Deslice la tuerca sobre el manguito plástico (casquillo). Coloque la tuerca a mano para evitar que se entrecrucen. Gire la tuerca hasta que se sienta ajustada. Luego apriete la tuerca por lo menos 2 vueltas más con una llave de tuercas. Repita con la otra línea de suministro. Abra el agua, examine para detectar fugas

NOTE:

Si le manchon en plastique (bague) n'est pas installé correctement, le raccord peut se défaire et occasionner un dégât d'eau.

1. Coupez le tube d'alimentation (1) à la longueur désirée. Laissez 1 à 2 pouces de jeu pour faciliter l'installation. Faites une coupe d'équerre et enlevez les bavures.
2. Glissez l'écrou (2) et le manchon en plastique (bague) (3) sur le tube d'alimentation coupé. Assurez-vous que le manchon en plastique est orienté comme le montre la figure.
3. Introduisez le tube d'alimentation dans le raccord du robinet d'alimentation (4). Le tube doit toucher le fond du trou à l'intérieur du raccord du robinet d'alimentation.
4. Faites glisser le manchon en plastique (bague) dans le tube jusqu'à ce qu'il entre en contact avec le raccord du robinet d'alimentation.
5. Glissez l'écrou sur le manchon en plastique (virole). Amorcer l'écrou à la main pour ne pas risquer de forer les filets. Tournez l'écrou jusqu'à ce qu'il soit appuyé. Faites ensuite au moins deux tours supplémentaires avec une clé. Branchez l'autre tube d'alimentation de la même manière. Rétablissez l'alimentation en eau et vérifiez l'étanchéité.

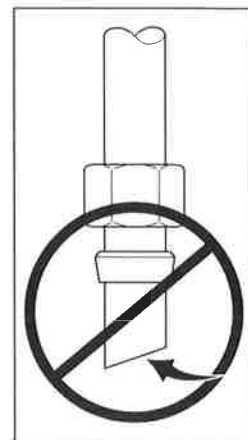
Incorrect Installation
Instalación Incorrecta
Installation Incorrecte



Do not install sleeve upside down.

No instale la manga boca abajo.

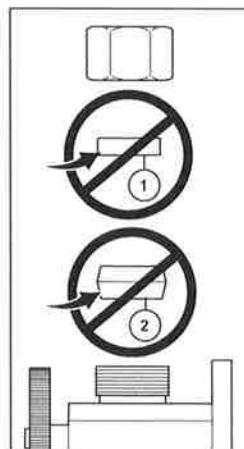
N'installez pas le manchon à l'envers.



Ensure cut is straight.

Asegúrese que el corte esté recto.

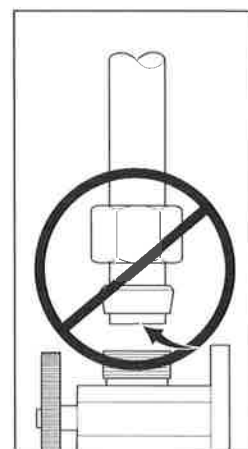
Assurez-vous que la coupe est droite.



Do not use gasket (1) supplied with PEX tubing or brass ferrule (2) supplied with valve stops.

No use empaque (1) suministrado con el tubería de PEX o el casquillo de bronce (2) suministrado con las válvulas de cierre.

N'utilisez pas le joint (1) fournie avec la tuyauterie de PEX ou la bague en cuivre (2) fournie avec les robinets d'arrêt.



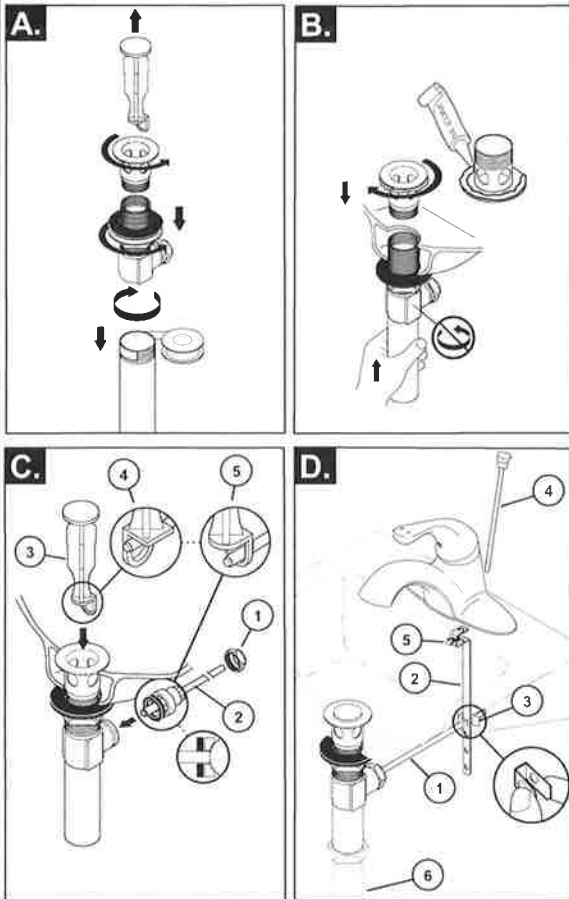
Ensure tube is fully inserted into stop before sliding sleeve down to engage top of fitting.

Asegúrese que el tubo este completamente introducido dentro del tope antes de deslizar la manga hacia abajo para encajar la parte superior del accesorio.

Assurez-vous que le tube est introduit entièrement dans le robinet d'arrêt avant de faire glisser le manchon vers le bas pour le fixer à la partie supérieure du raccord.

3

METAL POP-UP DESAGÜE AUTOMÁTICO DE METAL RENVOI MÉCANIQUE EN MÉTAL

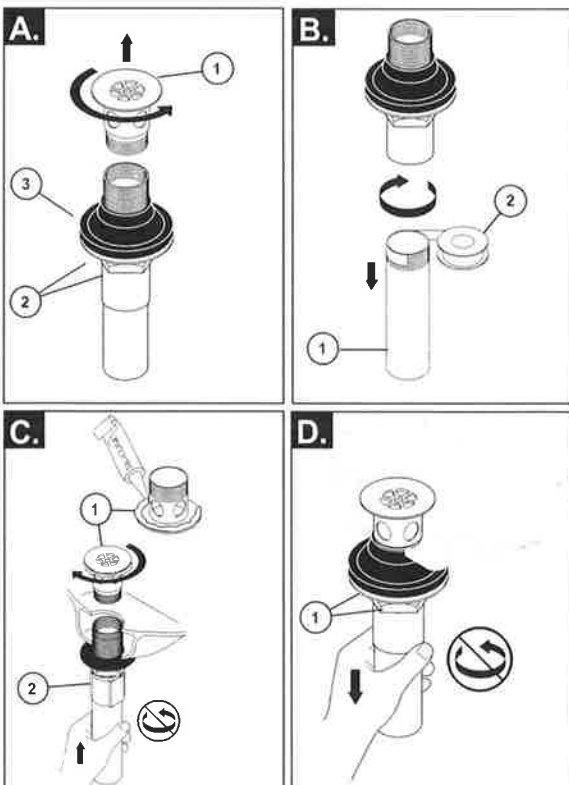


- A.** Remove stopper and flange. Screw nut all the way down. Push washer and gasket down. Remove tailpiece from body, add plumber tape, replace tailpiece.
- B.** Apply silicone to underside of flange. Insert body into sink. Screw flange into body. Pivot must face faucet. Pull assembly down firmly and hold in place. **DO NOT TWIST.** Tighten nut/washer/gasket, clean off excess silicone. **DO NOT TWIST.**
- C.** Remove pivot nut (1). Install horizontal rod (2) and stopper (3) as removable (4) or non-removable (5). Hand tighten pivot nut (1).
- D.** Attach horizontal rod (1) to strap (2) using clip (3). Install lift rod (4), tighten screw (5). Connect assembly to drain (6).

- A.** Quite el tapón y el reborde. Atornille la tuerca completamente hasta abajo. Empuje la arandela/roldana y el empaque hacia abajo. Quite el tubo de cola del cuerpo, aplique cinta plomero, coloque otra vez el tubo de cola.
- B.** Aplique silicón a la parte interior del reborde. Inserte el cuerpo en el lavamanos. Atornille el reborde en el cuerpo. El pivote debe de estar de frente a la llave. Hale el ensamble hacia abajo firmemente y sujételo en sitio. **NO LO GIRE.** Apriete la tuerca/arandela/empaque, limpie el exceso de silicón. **NO LO GIRE.**
- C.** Quite la tuerca del pivote (1). Instale la barra horizontal (2) y el tapón (3) como desmontable (4) o fijo (5). Apriete a mano la tuerca del pivote (1).
- D.** Una la barra horizontal (1) a la barra chata (2) utilizando el gancho (3). Instale la barra de alzar (4), apriete el tornillo (5). Conecte el ensamble al desagüe (6).

- A.** Enlevez la bonde et la collerette. Serrez l'écrou pour le faire descen complètement. Poussez la rondelle et le joint vers le bas. Enlevez le raccord droit de vidange du corps, appliquez du ruban de plomberie, puis remettez le raccord droit en place.
- B.** Appliquez du composé à la silicone sous la collerette. Introduisez le corps dans lav-abo, puis vissez la collerette dans le corps. Le pivot doit faire face au robinet. Tirez l'ensemble vers le bas fermement et maintenez-le en place. **PRENEZ GARDE DE LE TORDRE.** Serrez l'écrou contre la rondelle et le joint, puis enlevez le surplus de composé à la silicone. **PRENEZ GARDE DE TORDRE LE PIVOT.**
- C.** Enlevez l'écrou du pivot (1). Installez latige horizontale (2) et la bonde (3) de manière que la bonde soit amovible (4) ou non amovible (5). Serrez l'écrou (1) du pivot à la main.
- D.** Fixez la tige horizontale (1) au feuillard (2) à l'aide de l'agrafe (3). Installez la tige de manoeuvre (4) et serrez la vis (5). Fixez l'ensemble au renvoi (6).

GRID STRAINER INSTALLATION INSTALACIÓN DE LA REJILLA COLADORA INSTALLATION DE LA CRÉPINE



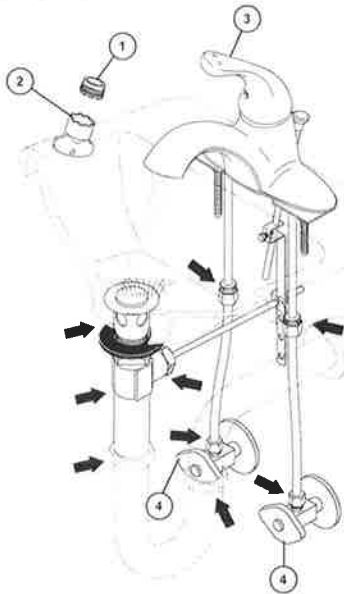
- A.** Remove grid flange (1). Screw nut and washer (2) down as far as possible. Push gasket (3) down to nut and washer.
- B.** Remove tailpiece (1) and apply plumber tape (2) to threads. Replace tailpiece.
- C.** Apply silicone sealant to underside of grid flange (1). Insert grid strainer assembly (2) up through bottom of lavatory. Screw grid flange back on and secure.
- D.** Pull grid strainer straight down into drain hole and secure gasket nut and washer (1). **DO NOT TURN GRID STRAINER WHILE TIGHTENING NUT OR SEALANT MAY NOT SEAL DRAIN. REMOVE EXCESS SEALANT.** Connect assembly to drain.

- A.** Quite el reborde de la rejilla (1). Atornille la tuerca y la arandela (2) lo más posible. Empuje el empaque (3) hacia abajo, hacia la tuerca y la arandela.
- B.** Quite el tubo de cola (1) y aplique cinta para plomero (2) a las roscas. Coloque otra vez el tubo de cola.
- C.** Aplique sellador de silicón a la parte de abajo del reborde de la rejilla (1). Inserte el ensamble de la rejilla-colador (2) hacia arriba por debajo del lavamanos. Atornille, otra vez, el reborde de la rejilla y fíjelo.
- D.** Hale la rejilla colador directamente hacia abajo, que quede dentro del hoyo del drenaje, y fije la tuerca del empaque y la arandela (1). **NO GIRE LA REJILLA O EL SELLADO PUEDA NO SELLAR EL DRENAJE. LIMPIE EL EXCESO DE SELLADOR.** Conecte el ensamble al desagüe.

- A.** Retirez la collerette de la crépine (1). Vissez l'écrou avec la rondelle (2) autant ue possible. Abaissez le joint (3) contre l'écrou et la rondelle.
- B.** Enlevez le raccord droit de vidange (1) et appliquez du ruban de plomberie (2) sur les filets. Remettez le raccord en place.
- C.** Appliquez du composé à la silicone contre le dessous de la collerette de la crépine (1). Introduisez la crépine (2) dans l'orifice par le dessous du lavabo. Remettez la collerette en place et vissez-la à fond.
- D.** Tirez la crépine vers le bas dans l'orifice et vissez l'écrou contre la rondelle et le joint (1). **NE FAITES PAS TOURNER LA CRÉPINE EN SERRANT L'ÉCROU CAR LE COMPOSÉ D'ÉTANCHÉITÉ POURRA PERDRE SON EFFICACITÉ. ENLEVEZ LE COMPOSÉ D'ÉTANCHÉITÉ EN TROP.** Fixez l'ensemble au renvoi.

4

CHECK FOR LEAKS VÉRIFICATION DE L'ÉTANCHÉITÉ VERIFIQUE QUE NO HAYA NINGUNA



Remove aerator (1) using supplied wrench (2) and move faucet handle (3) to the full on mixed position. Turn on hot and cold water supplies (4) and flush water lines for one minute. **Important: This flushes away any debris that could cause damage to internal parts.** Reinstall aerator. Check all connections at arrows for leaks. Re-tighten if necessary, but do not overtighten.

Quite el aereador (1) usando la llave de tuercas (2) proporcionada con su llave de agua y mueva la manija de la llave de agua (3) a la posición completamente abierta. Abra los suministros de agua caliente y fría (4) y deje correr en agua por las líneas por un minuto. **Importante: Esto limpia cualquier escombros que pudiera causar daño a las partes internas.** Reemplace el aereador.

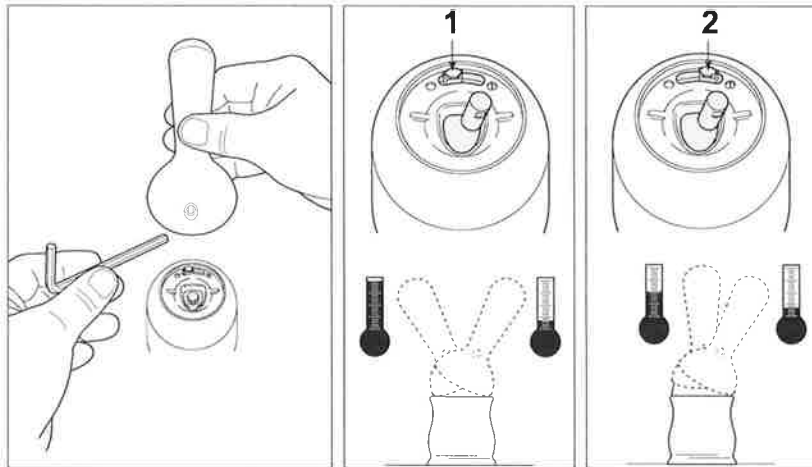
Examine todas las conexiones donde señalan las flechas por si hay filtraciones de agua. Apriete de nuevo si es necesario, pero no apriete demasiado.

Retirez l'aérateur (1) en utilisant la clé (2) et placez la poignée (3) du robinet en position d'écoulement maximum de l'eau chaude et de l'eau froide. Rétablissez l'alimentation en eau chaude et en eau froide (4) et laissez couler l'eau pendant une minute. **Important: Il faut laisser s'écouler l'eau pour évacuer les saletés qui pourraient abimer les éléments internes du robinet.** Remettez l'aérateur en place.

Vérifiez l'étanchéité de tous les raccords identifiés par une flèche. Resserrez les raccords au besoin, mais prenez garde de trop les serrer.

5

Setting The Handle Limit Stop (Optional) Fijando la parada de límite de la manija (opcional) Plaçant l'arrêt de limite de poignée (facultatif)



This faucet includes an integrated handle limit stop that has two positions. Position 1, to the left, allows full handle motion (the full range between "all cold" to "all hot"). The faucet is set in position 1 in the factory. Position 2, to the right, allows half of the normal handle motion ("all cold" to "mixed hot/cold").

The handle limit stop can be adjusted by the homeowner once the faucet is installed. Setting the handle limit stop in position 2 may help to prevent scald-

ing because it limits the amount of hot water in the mix; however, this handle limit stop will not always prevent scalding because it does not compensate for incoming pressure or sudden water temperature changes.

To change positions of the handle limit stop: remove the handle; move the valve stem to the all cold position so the water is on; change the position of the handle limit stop; turn off the water; reinstall the handle.

Esta llave de agua incluye una manija integrada, que tiene dos posiciones, para limitar la temperatura. La posición 1, a la izquierda, permite el movimiento completo de la manija (el alcance completo entre el agua "totalmente fría" hasta "totalmente caliente"). La fábrica preselecciona la llave de agua (grifo) a la posición 1. La posición 2, a la derecha, permite la mitad del alcance de movimiento normal de la manija ("totalmente fría" a la posición "mixta caliente/fría").

Una vez que la llave de agua (grifo) se ha instalado, el límite rotacional de la manija puede ajustarse por el propietario de la residencia. Ajustando la

manija de ajuste del tope del límite de la temperatura a la posición 2 puede ayudar a prevenir escaldaduras porque limita la cantidad de agua caliente en la mezcla; sin embargo, esta manija que limita la temperatura del agua no siempre prevendrá escaldaduras porque no compensa la presión del agua de entrada o cambios repentinos de la temperatura del agua.

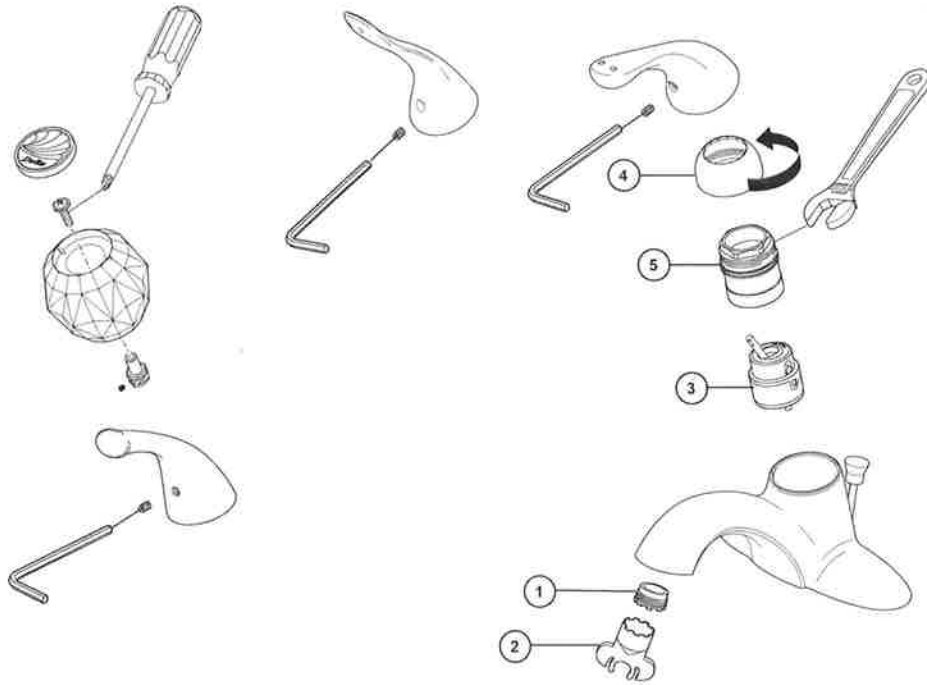
Para cambiar las posiciones de la manija que limitan la temperatura: quite la manija; cambie la posición de la espiga de la válvula a la posición totalmente fría de manera que el agua este abierta; cambie la posición de la manija que limita la temperatura; cierre el agua; reinstale la manija.

Ce robinet est muni d'une butée de température maximale à deux positions. La position 1, à gauche, permet le déplacement de la manette entre les deux extrémités de la plage de température (eau très froide et eau très chaude). C'est la position sélectionnée en usine. La position 2, à droite, permet le déplacement de la manette sur la moitié de la plage de température (eau très froide et eau mitigée).

Il est possible de régler la butée de température maximale de la manette au moment de l'installation du robinet. Un réglage à la position 2 peut empêcher l'ébullition parce que cette position limite la quantité d'eau chaude

dans le mélange. Toutefois, ce réglage de la butée de température maximale de la manette ne constitue pas une garantie absolue contre l'ébullition parce qu'il n'offre aucune protection contre les fluctuations de la pression d'alimentation ou les changements de température soudains.

Pour modifier la position de la butée de température maximale de la manette : enlevez la manette; amenez l'obturateur à l'extrémité de la plage du côté eau froide pour faire s'écouler l'eau; modifiez la position de la butée de température maximale; fermez le robinet; réinstallez la manette.



Maintenance

If faucet exhibits very low flow:

- A. Remove and clean Aerator (1) with supplied wrench (2), or
- B. SHUT OFF WATER SUPPLIES. Replace valve cartridge (3). When reinstalling parts, make sure bonnet nut (5) is tightened securely with a wrench.*

If faucet leaks from under handle:

Remove handle and unthread trim cap (4). Using a wrench, ensure bonnet nut (5) is tight.

If leak persists—SHUT OFF WATER SUPPLIES.

Replace valve cartridge (3). When reinstalling parts, make sure bonnet nut (5) is tightened securely with a wrench.*

If faucet leaks from spout outlet—SHUT OFF

WATER SUPPLIES. Replace valve cartridge (3). When reinstalling parts, make sure bonnet nut (5) is tightened securely with a wrench.*

*** WARNING:** Failure to securely tighten bonnet nut with a wrench could result in water damage.

Note: Do not attempt to disassemble cartridge (3). There are no repairable parts inside.

Mantenimiento

Si la llave de agua exhibe muy poco flujo:

- A. Quite y limpie el aerador (1) con la llave de tuerca incluida (2), o
- B. CIERRE LOS SUMINISTROS DE AGUA. Cambie el cartucho de la válvula (3). Sando una llave de tuercas, asegúrese que la tuerca tapa (5) esté apretada.*

Si la llave de agua tiene una filtración por debajo de la manija:

Quite la manija y casquillo (4). Usando una llave de tuercas, asegúrese que la tuerca tapa (5) esté apretada.*

Si la filtración persiste – CIERRE LOS

SUMINISTROS DE AGUA. Cambie el cartucho de la válvula (3). Usando una llave de tuercas, asegúrese que la tuerca tapa (5) esté apretada.*

Si la llave de agua tiene una filtración desde la salida del surtidor – CIERRE LOS

SUMINISTROS DE AGUA. Cambie el

cartucho de la válvula (3). Sando una llave de tuercas, asegúrese que la tuerca tapa (5) esté apretada.*

*** AVISO:** Si no aprieta fijamente la tuerca tapa con una llave de tuercas pudiera resultar en daño por agua.

Nota: No procure desmontar el cartucho (3). No hay piezas reparables adentro.

Entretien

Si le débit du robinet est très faible :

- A. Enlevez l'aérateur (1) à l'aide de l'outil fourni (2) et nettoyez-le ou
- B. FERMEZ LES ROBINETS D'ALIMENTATION. Remplacez la cartouche de la soupape (3). Usando una llave de tuercas, asegúrese que la tuerca tapa (5) esté apretada.*

Si le robinet fuit par le dessous de la manette : Enlevez la manette et embase (4). À l'aide d'une clé, assurez-vous que l'écrou-chapeau (5) est serré.*

Si la fuite persiste, COUPEZ L'ARRIVÉE D'EAU.

Remplacez la cartouche de la soupape (3). Usando una llave de tuercas, asegúrese que la tuerca tapa (5) esté apretada.*

Si le robinet fuit par la sortie du bec, COUPEZ

L'ARRIVÉE D'EAU. Remplacez la cartouche (3). Usando una llave de tuercas, asegúrese que la tuerca tapa (5) esté apretada.*

*** MISE EN GARDE :** L'omission de bien serrer l'écrou-chapeau peut entraîner une fuite d'eau et des dommages.

Note : N'essayez pas de démonter la cartouche (3). Il n'y a aucune pièce réparable à l'intérieur.

Delta Commercial Faucet Limited Warranty

All parts of the Delta® HDF® and TECK® faucets are warranted to the original consumer purchaser to be free from defects in material, finish and workmanship for a period of five (5) years unless otherwise specifically stated in the catalogue and price book. This warranty is made to the original consumer purchaser and shall be effective from date of purchase as shown on purchaser's receipt.

Delta will, at its option, repair or replace, FREE OF CHARGE, during the warranty period, any part which proves defective in material or workmanship under normal installation, use and water and service conditions. If Delta Faucet concludes that the returned part was manufactured by Delta Faucet and is, in fact, defective, then Delta Faucet will honour the warranty stated herein. Replacement parts can be obtained from your local dealer or distributor listed in the telephone directory or by returning the part along with the purchaser's receipt to our factory, TRANSPORTATION CHARGES PREPAID, at the address listed. THIS WARRANTY IS THE ONLY EXPRESS WARRANTY MADE BY DELTA. ANY CLAIMS MADE UNDER THIS WARRANTY MUST BE MADE DURING THE FIVE YEAR PERIOD REFERRED TO ABOVE. ANY IMPLIED WARRANTIES, INCLUDING THE IMPLIED

WARRANTY OF MERCHANTABILITY OF FITNESS FOR A PARTICULAR PURPOSE, ARE LIMITED IN DURATION TO THE DURATION OF THIS WARRANTY. LABOUR CHARGES AND/OR DAMAGE INCURRED IN INSTALLATION, REPAIR OR REPLACEMENT AS WELL AS INCIDENTAL AND CONSEQUENTIAL, SPECIAL, INDIRECT OR PUNITIVE DAMAGES CONNECTED THEREWITH ARE EXCLUDED AND WILL NOT BE PAID BY DELTA FAUCET.

Some states do not allow limitations on how long an implied warranty lasts, or the exclusion or limitation of incidental or consequential damages, so the above limitations or exclusions may not apply to you. This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

This warranty is for commercial products only from Delta Faucet Company and Delta Faucet Canada and is void for any damage to this faucet due to misuse, abuse, neglect, accident, improper installation, any use in violation of instructions furnished by Delta Faucet or any use of replacement parts other than genuine Delta parts.

© 2016 Masco Corporation of Indiana

Garantía Limitada de las Llaves de Agua Comerciales Delta

Todas las piezas de las llaves de agua (grifos) Delta®, HDF®, TECK® están garantizadas al comprador consumidor original de estar libres de defectos de material, acabado y fabricación por un período de cinco (5) años a menos que sea establecido específicamente de otra manera en el catálogo o libro de precios. Esta garantía se le hace al comprador consumidor original y será efectiva desde la fecha de compra como mostrado en el recibo del comprador.

Delta, a su opción, reparará o reemplazará, GRATISMENTE, durante el período de garantía, cualquier pieza que pruebe ser defectuosa en material o fabricación bajo instalación, uso, agua y condiciones de servicio normales. Si Delta Faucet concluye que la pieza devuelta fue fabricada por Delta Faucet y es, de hecho, defectiva, entonces Delta Faucet honrará la garantía establecida en este documento.

Las piezas de repuesto se pueden obtener de su comerciante o distribuidor local listado en el librito telefónico o devolviendo la pieza junto con el recibo del comprador a nuestra fábrica. CARGOS DE TRANSPORTE PRE-PAGADOS, a la dirección incluida. ESTA GARANTÍA ES LA ÚNICA GARANTÍA EXPRESA HECHA POR DELTA. CUALQUIER RECLAMO HECHO BAJO ESTA GARANTÍA DEBE SER HECHO DURANTE EL PERÍODO DE CINCO AÑOS ARRIBA MENCIONADO, CUALQUIER GARANTÍA IMPLÍCITA, INCLUYENDO LA GARANTÍA IMPLÍCITA DE COMERCIABILIDAD DE EMPLEO PARA

UN PROPÓSITO PARTICULAR, TIENE UNA DURACIÓN LIMITADA A LA DURACIÓN DE ESTA GARANTÍA. LOS CARGOS DE LABOR Y/O DAÑO INCURRIDO DURANTE LA INSTALACIÓN, REPARACIÓN O REPUESTO COMO TAMBIÉN DAÑOS INCIDENTALES O RESULTANTES, ESPECIALES, INDIRECTOS O PUNITIVOS RELACIONADOS CON LO MENCIONADO SON EXCLUIDOS Y NO SERÁN PAGADOS POR DELTA FAUCET.

Algunos estados no permiten limitaciones de la duración de una garantía implícita limitada, o la exclusión o limitación de daños incidentales o consecuentes, de manera que las limitaciones o exclusiones arriba mencionadas puedan no aplicarle a usted. Esta garantía le da derechos legales específicos, y usted también puede tener otros derechos que varían de estado a estado.

Esta garantía es solo para productos comerciales de Delta Faucet Company y Delta Faucet Canada y es nula por cualquier daño hecho a esta llave de agua resultante del mal uso, abuso, descuido, accidente, instalación incorrecta, cualquier uso en violación de las instrucciones proporcionadas por Delta Faucet o cualquier uso de piezas de repuesto que no sean de piezas genuinas de Delta.

© 2016 Masco Corporación de Indiana

Garantie Limitee Delta Commercial

Toutes les pièces des robinets de marque Delta® HDF® et TECK® sont garanties contre tout défaut de matière, de finition et de main d'oeuvre pour une période de cinq (5) ans, sauf indication contraire stipulée dans le catalogue et la liste des prix. Cette garantie est offerte à l'acheteur original et entre en vigueur à compter de la date d'achat indiquée sur la preuve d'achat.

Delta procédera, à son entière discrétion, à la réparation ou au remplacement, SANS FRAIS, durant la période de garantie, de toute pièce qui présente un défaut de matière ou de main d'oeuvre dans des conditions d'installation, d'usure, d'eau et de service normales. Si Delta Faucet détermine que la pièce retournée a été fabriquée par Delta Faucet et qu'en effet, cette pièce fait défaut, Delta Faucet respectera alors la garantie stipulée aux présentes. Les pièces de rechange peuvent être obtenues chez votre marchand local ou le distributeur inscrit dans votre annuaire téléphonique ou en retournant la pièce ainsi que la preuve d'achat à notre usine, FRAIS DE TRANSPORT PRÉPAYÉS, à l'adresse indiquée. CETTE GARANTIE EST LA SEULE GARANTIE EXPRESSE FAITE PAR DELTA.

TOUTE RÉCLAMATION FAITE EN VERTU DE CETTE GARANTIE DOIT ÊTRE PRÉSENTÉE DURANT LA PÉRIODE DE CINQ ANS MENTIONNÉE CI-DESSUS. TOUTE GARANTIE IMPLICITE, Y COMPRIS LA GARANTIE IMPLICITE DE VALEUR

COMMERCIALE RELATIVEMENT À L'APTITUDE À LA FONCTION, EST LIMITÉE EN TERMES DE DURÉE POUR LA DURÉE DE CETTE GARANTIE. LES FRAIS DE MAIN D'ŒUVRE ET/OU DE DOMMAGES ENCOURUS DURANT L'INSTALLATION, LA RÉPARATION OU LE REMPLACEMENT AINSI QUE LES DOMMAGES-INTÉRÊTS ACCESSOIRES OU IMMATÉRIELS, SPÉCIAUX, INDIRECTS OU PUNITIFS S'Y RAPPORTANT SONT EXCLUS ET NE SERONT PAS PAYÉES PAR DELTA FAUCET.

Certains états ne permettent pas la limitation de la durée de la garantie implicite, ou l'exclusion ou la limitation des dommages-intérêts accessoires ou immatériels, et par conséquent, les limitations ou les exclusions stipulées ci-dessus peuvent ne pas s'appliquer dans votre cas. Cette garantie vous accorde certains droits reconnus par la loi et vous avez peut-être aussi d'autres droits qui varient d'un état à l'autre.

Cette garantie s'applique seulement aux produits commerciaux des sociétés Delta Faucet et Delta Faucet Canada et est nulle de plein droit pour tout dommage causé à ce robinet en raison d'usage excessif, d'abus, de négligence, d'accident, de mauvaise installation, tout usage en contravention des directives fournies par Delta Faucet ou tout usage de pièces de rechange autres que des pièces originales Delta.

© 2016 Division de Masco Indiana

Limited Warranty on Delta® Faucets

Parts and Finish: All parts (other than electronic parts and batteries) and finishes of Delta® faucets purchased from authorized Delta sellers are warranted to the original consumer purchaser to be free from defects in material and workmanship for as long as the original consumer purchaser owns the home in which the faucet was first installed. For commercial purchasers, (a) the warranty period is ten (10) years for multi-family residential applications and (b) five (5) years for all other commercial applications, in each case from the date that the product is received by the original purchaser or their authorized representative (installation contractor, etc.). For purposes of this warranty, the term "multi-family residential application" refers to the purchase of the faucet from an authorized Delta seller by a purchaser who owns but does not live in the residential dwelling in which the faucet is initially installed, such as in a rented or leased single unit or multi-unit detached home (duplex or townhome), or a condominium, apartment building or community living center. The following installations are not considered multi-family residential applications, are excluded from the 10-year warranty and are subject to the 5-year warranty: industrial, institutional or other business premises, such as a dormitory, hospitality premises (hotel, motel or extended stay location), airport, educational facility, long- or short-term healthcare facility (hospital, rehabilitation center, nursing, assisted or staged-care living unit), public space or common area.

Parts and Finish for Delta® Recertified Faucets: Delta Faucet Company offers for sale online Delta® Recertified faucets, Delta® Recertified faucets only include faucets that have been certified as such by Delta Faucet Company. All parts (other than electronic parts and batteries) and finishes of these Delta® Recertified faucets are warranted to the original consumer purchaser to be free from defects in material and workmanship for ten (10) years from the date that the product is received by the original purchaser or their authorized representative (installation contractor, etc.). For commercial purchasers, the warranty period is one (1) year from the date that the product is received by the original purchaser or their authorized representative (installation contractor, etc.).

Electronic Parts: Electronic parts (other than batteries), if any, of Delta® faucets purchased from deltafaucet.com or authorized Delta sellers are warranted to the original consumer purchaser to be free from defects in material and workmanship for five (5) years from the date that the product is received by the original purchaser or their authorized representative (installation contractor, etc.) or, for commercial purchasers, for one (1) year from the date that the product is received by the original purchaser or their authorized representative (installation contractor, etc.). No warranty is provided on batteries.

What We Will Do: Delta Faucet Company will repair or replace, free of charge, during the applicable warranty period (as described above), any part or finish that proves defective in material and/or workmanship under normal installation, use and service. Delta Faucet Company may, in its sole discretion, use new, refurbished or recertified parts or products for such repair or replacement. If repair or replacement is not practical, Delta Faucet Company may elect to refund the purchase price in exchange for the return of the product. **These are your exclusive remedies.**

What Is Not Covered: Because Delta Faucet Company is unable to control the quality of Delta products sold by unauthorized sellers, unless otherwise prohibited by law, this warranty does not cover Delta products purchased from unauthorized sellers. Any labor charges incurred by the purchaser to repair, replace, install or remove this product are not covered by this warranty. Delta Faucet Company shall not be liable for any damage to the faucet resulting from reasonable wear and tear, outdoor use, misuse (including use of the product for an unintended application), freezing water, abuse, neglect or improper or incorrectly performed installation, maintenance or repair, including failure to follow the applicable care and cleaning instructions. Delta Faucet Company recommends using a professional plumber for all installation and repair of faucets. We also recommend that you use only genuine Delta® replacement parts.

What You Must Do To Obtain Warranty Service or Replacement Parts: A warranty claim may be made and replacement parts may be obtained by calling 1 800 345 DELTA (3358) or by contacting us by mail or online as follows (please include your model number, date of original purchase and documentation of the date of receipt of the product by the original purchaser or their authorized representative (installation contractor, etc.):

In the United States and Mexico:

Delta Faucet Company
55 E. 111th Street
Indianapolis, IN 46280
Attention: Warranty Service
www.deltafaucet.com/service-parts/contact-us

In Canada:

Masco Canada Limited, Plumbing Group
Technical Service Centre
350 South Edgeware Road
St. Thomas, Ontario, Canada N5P 4L1
Attention: Customer Service
<http://www.deltafaucet.ca/customersupport/assistance.html>

Proof of purchase (original sales receipt showing purchase date) and documentation of the date of receipt of the product by the original purchaser or their authorized representative (installation contractor, etc.) from the original purchaser must be made available to Delta Faucet Company for all warranty claims unless the purchaser has registered the product with Delta Faucet Company or the product is a Delta® Recertified product purchased from deltafaucet.com. This warranty applies only to Delta® faucets manufactured after January 1, 2019 and installed in the United States of America, Canada and Mexico.

Limitation on Duration of Implied Warranties: Please note that some states/provinces (including Quebec) do not allow limitations on how long an implied warranty lasts, so the below limitations may not apply to you. TO THE MAXIMUM EXTENT PERMITTED BY APPLICABLE LAW, ANY IMPLIED WARRANTY, INCLUDING THE IMPLIED WARRANTIES OF MERCHANTABILITY AND OF FITNESS FOR A PARTICULAR PURPOSE, IS LIMITED TO THE STATUTORY PERIOD OR THE DURATION OF THIS WARRANTY, WHICHEVER IS SHORTER.

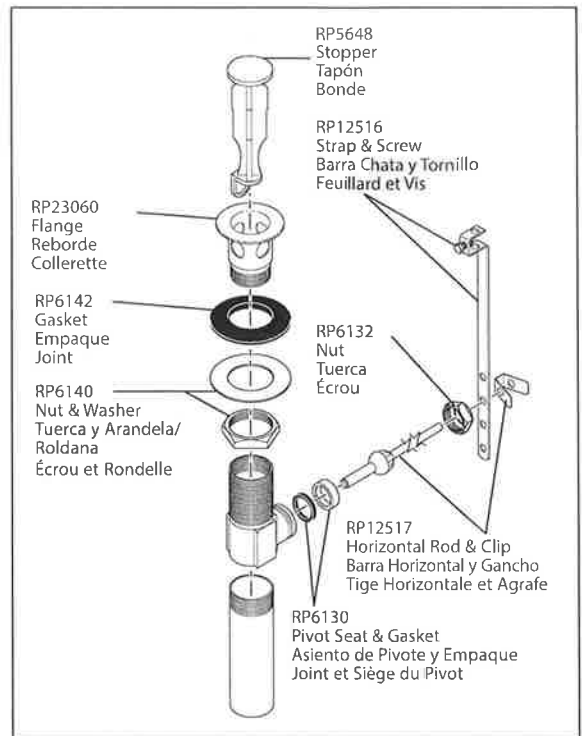
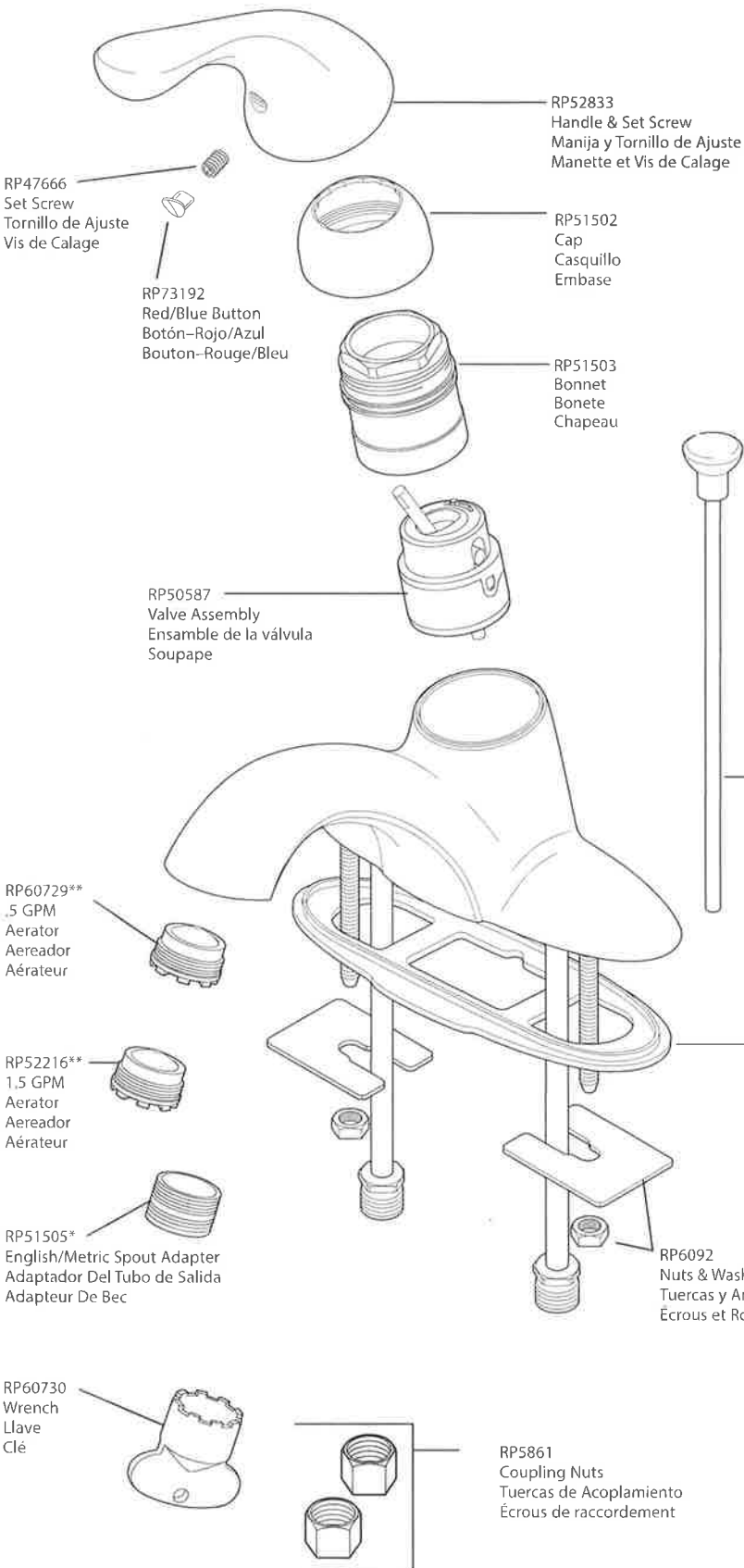
Limitation of Special, Incidental or Consequential Damages: Please note that some states/provinces (including Quebec) do not allow the exclusion or limitation of special, incidental or consequential damages, so the below limitations and exclusions may not apply to you. TO THE MAXIMUM EXTENT PERMITTED BY APPLICABLE LAW, THIS WARRANTY DOES NOT COVER, AND DELTA FAUCET COMPANY SHALL NOT BE LIABLE FOR, ANY SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES (INCLUDING LABOR CHARGES TO REPAIR, REPLACE, INSTALL OR REMOVE THIS PRODUCT), WHETHER ARISING OUT OF BREACH OF ANY EXPRESS OR IMPLIED WARRANTY, BREACH OF CONTRACT, TORT, OR OTHERWISE. DELTA FAUCET COMPANY SHALL NOT BE LIABLE FOR ANY DAMAGE TO THE FAUCET RESULTING FROM REASONABLE WEAR AND TEAR, OUTDOOR USE, MISUSE (INCLUDING USE OF THE PRODUCT FOR AN UNINTENDED APPLICATION), FREEZING WATER, ABUSE, NEGLIGENCE OR IMPROPER OR INCORRECTLY PERFORMED INSTALLATION, MAINTENANCE OR REPAIR, INCLUDING FAILURE TO FOLLOW THE APPLICABLE INSTALLATION, CARE AND CLEANING INSTRUCTIONS. Notice to residents of the State of New Jersey: The provisions of this warranty, including its limitations, are intended to apply to the fullest extent permitted by the laws of the State of New Jersey.

Additional Rights: This warranty gives you specific legal rights, and you may also have other rights which vary from state/province to state/province. This is Delta Faucet Company's exclusive written warranty and the warranty is not transferable.

If you have any questions or concerns regarding our warranty, please contact us as provided above or view our Warranty FAQs at www.deltafaucet.com.

© 2023 Masco Corporation of Indiana

Models/Modelos/Modèles 501LF-WF & 520LF-WFMPU Series/Series/Seria



RP26533 Metal Pop-Up Assembly Less Lift Rod
Ensamble de Metal del Desagüe Automático Menos
la Barra de Alzar
Renvoi Mécanique en Métal Sans la Tige de Manoeuvre

*RP51505 adapter is only compatible with aerators produced before 6/13/2011.
*RP51505 adapter is only compatible with aerators produced before 6/13/2011.
*RP51505 adapter is only compatible with aerators produced before 6/13/2011.

**If you are unsure of the manufacture date, please order both aerators in the flow rate you desire.
**Si no está seguro de la fecha de fabricación, por favor, ordene ambos aireadores para el flujo deseado.
**Si vous n'êtes pas certain de la date de fabrication, veuillez commander les aérateurs de chacun des modèles qui ont les caractéristiques de débit que vous désirez.

RP60729 0.5 GPM	RP60983 1.5 GPM	RP72676 0.35 GPM	RP71111 0.5 GPM	RP54977 1.5 GPM
Aerators for faucets made before 6/13/2011		Aerators for faucets made after 6/13/2011		
Aereadores para llaves de agua/grifos fabricados antes de 6/13/2011		Aereadores para llaves de agua/grifos fabricados después de 6/13/2011		
Aérateurs pour les robinets fabriqués avant le 13/06/2011		Aérateurs pour les robinets fabriqués après le 13/06/2011		
 O-ring Seal Anillos "O" Joints Torique		 Gasket Seal Empaque Joint		



a Bead Industries, Inc. company

Warranty, Terms and Return Policies

TERMS: All sales are subject to credit approval. Terms are 2% ten days – net 30.

RETURNED GOODS: Requests for returning purchased items are subject to factory approval.

A Returned Goods Authorization (RGA) must be obtained from the factory prior to any return. Returned merchandise must be in their original cartons, listed in our current List Price Sheet and in clean saleable condition.

Restocking charge:

- Material that was shipped within 18 months of the return request is subject to a 25% restocking charge.
- Material that was shipped more than 18 months of the return request but less than 3 years is subject to a 50% restocking charge.
- Material returned more than 18 months after it was shipped is not subject to any stock rotation agreement.
- Material that was shipped more than 3 years before the return request is not returnable.
- Invoice dates as well as dates on packaging will control.

The restocking charge may be reduced if a new order of equal value is placed at the time the RGA is requested:

- 25% may be reduced to 15%
- 50% may be reduced to 35%

MINIMUM RETURN POLICY:

Return requests less than \$200 net will be charged \$50 processing fee in lieu of any restocking charge.

INVOICE:

We reserve the right to invoice all merchandise at prices in effect at time of shipment.

NO MINIMUM ORDER:

Orders less than \$200 list will be invoiced at list price less 35% (.65 multiplier).

McGuire Manufacturing Co., Inc.

60 grandview court • cheshire • ct • 06410

tel 203-699-1801 • fax 203-699-1813

mcguiremfg.com

customerservice@mcguiremfg.com

FREIGHT:

We will pay freight on shipments within the continental United States when the order (pre-tax) totals more than \$2200 net. We select the method of shipment and carrier when we pay the freight.

Limited Warranty Information

McGuire Manufacturing Co., Inc. (McGuire) warrants its product to be free from defects in material and workmanship for the period indicated below by product type measure from the date of purchase:

ITEM	WARRANTY PERIOD
Brass products	15 years
ProWrap	5 years
Eco P-Traps, Eco Strainers and Valve Strainers	1 year
Stainless Steel products	1 year
Lite Commercial P-Traps	1 year

McGuire's sole responsibility will be to replace, at no additional charge, any product which proves to be defective within the applicable warranty period. Shipping costs for product located outside the continental United States will be the sole responsibility of the customer. Duties and taxes, if levied, shall be the sole responsibility of the customer.

The above Limited Warranty shall not apply if the product has been damaged due to abuse, misuse, improper installation, accident, or other cause not within McGuire's control.

THE ABOVE LIMITED WARRANTY IS THE SOLE AND EXCLUSIVE WARRANTY. ALL OTHER WARRANTIES ARE DISCLAIMED, WHETHER EXPRESSED OR IMPLIED, INCLUDING BUT NOT LIMITED TO, ANY IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. IN NO EVENT SHALL MCGUIRE BE RESPONSIBLE OR LIABLE FOR ANY SPECIAL INCIDENTAL, OR CONSEQUENTIAL DAMAGES OR LOSSES ARISING FROM THE USE OF THIS PRODUCT.

McGuire may, at its option, alter the contents of this LIMITED WARRANTY at anytime. These changes will affect products manufactured after the effective date of this policy.

McGuire Manufacturing Co., Inc.

60 grandview court • cheshire • ct • 06410

tel 203-699-1801 • fax 203-699-1813

mcguiremfg.com

customerservice@mcguiremfg.com

P-5

Installation Instructions for Undercounter Sink

Las Instrucciones Para La Instalación Del Lavabo Bajo Cubierta





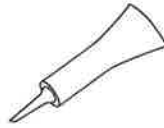


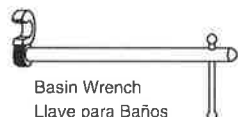
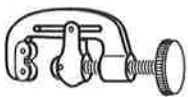

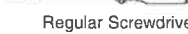
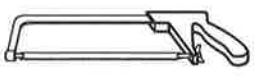


Mode d'installation avec un lavabo à montage sous le comptoir

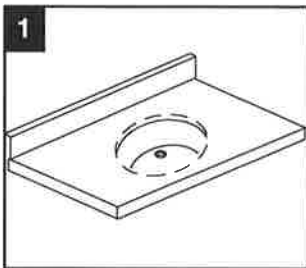
Introduction: Thank you for selecting our products...products which have been the benchmarks of fine quality for years. To help insure that the installation process will proceed smoothly, please read these instructions carefully before you begin. Also, review the recommended tools and materials list; carefully unpack and examine your new plumbing fixture.

Introducción: Gracias por seleccionar nuestros productos...productos que han sido el símbolo de calidad por muchos años. Para evitar problemas con la instalación, favor de leer estas instrucciones cuidadosamente antes de empezar. También, revise la lista de herramientas y materiales recomendados; desempaque y examine cuidadosamente su producto nuevo.

Introduction: Merci d'avoir choisi nos produits... des produits qui sont synonymes de grande qualité depuis des années. Pour vous assurer d'une installation sans problème, veuillez lire ces instructions avant de commencer. Prenez également connaissance de la liste des outils et matériaux recommandés; déballez et examinez soigneusement votre nouvel appareil de plomberie.

Recommended Tools & Materials/Herramientas y Materiales Recomendados/Outils et matériaux recommandés

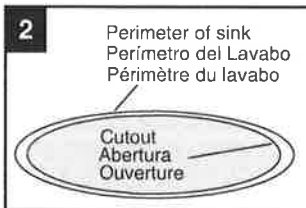
 Putty Knife Espátula Spatule de vitrier	 Adjustable Wrench Llave Ajustable Clef universelle	 Plumbers' Putty pasta Mastic de plombier	 Channel Lock Pliers Pinza con Ajustes Pince de sûreté	 Silicone Adhesive Adhesivo de Silicón Adhésif au silicone	 Tape Measure Flexómetro Ruban à mesurer
 Pipe Wrench Llave Aprietatubos Clef à pipes	 Basin Wrench Llave para Baños Clef à lavabo	 Tubing Cutter Cortador de tubos Coupoir à tuyau	 Phillips Screwdriver Desarmador de cruz Tournevis cruciforme	 Regular Screwdriver Desarmador plano Tournevis plat	 Hacksaw Arco con segueta Scie à métaux
 Drill Taladro Perceuse	 Saber Saw Caladora Scie sauteuse:	NOTE: More specialized tools may be necessary to install this sink to countertop materials other than wood or wood composites.	NOTA: Es posible que se necesiten herramientas especiales para instalar este lavabo a los materiales de la cubierta que no sean madera o compuestos de madera.	NOTE: Il peut être nécessaire d'utiliser des outils plus spécialisés pour installer ce lavabo sur de comptoir autres que le bois ou les composites de bois.	



1
NOTE: To avoid damage to countertop, install sink such that future removal from underneath the countertop is possible. First, make sure the clearance between the backsplash, faucet, fixtures and cabinets are acceptable for the new sink.

NOTA: Para evitar danos al cubierta de lavabo, instale el lavabo de tal manera que retirandolo en el futuro sea posible. Primero, cheque que las distancias entre el repisa posterior, la llave, los herrajes y los gabinetes son aceptables para el nuevo lavabo.

NOTE: Pour éviter de casser le lavabo, s'assurer d'installer le lavabo d'une manière qui permet de le remplacer dans le future. D'abord, vérifiez qu'il y a assez d'espace dessous le comptoir, pour le robinet, le mur posterior du lavabo et la structure du cabinet.



2
Perimeter of sink
Perímetro del Lavabo
Périmètre du lavabo
Cutout
Abertura
Ouverture
Carefully cut out the enclosed template, then position and trace the template on the countertop as shown on the template. Make a mark of the faucet hole centerline on the countertop. Drill a 1/2" pilot hole on the inside of the cut line. Use a saber saw or a keyhole saw to cut out the countertop opening.

Corte cuidadosamente la plantilla suministrada, luego coloque y marque la plantilla sobre la cubierta como se muestra en la plantilla. Haga una a marca en la línea central del hueco de la llave sobre la cubierta. Realice un agujero piloto de 1/2" en la parte interior de la línea de corte. Utilice una caladora o un serrucho de calar para cortar la apertura de la cubierta del lavabo.

Coupez soigneusement le dessin graphique inclus dans les présentes puis positionnez-le sur le comptoir pour en tracer le contour selon ce qui est indiqué. Faites une marque sur le comptoir pour le trou du robinet. Percez un avant-trou de 1,27 cm (1/2 po) à l'intérieur du trait de coupe. Servez-vous d'une scie sauteuse ou d'une scie à guichet pour couper l'ouverture au niveau du comptoir.

Observe Local Plumbing and Building Codes/Observe los códigos locales de plomería y construcción/Observez les Codes de la plomberie et du bâtiment locaux.

Product names listed herein are trademarks of American Standard Inc. unless otherwise noted.

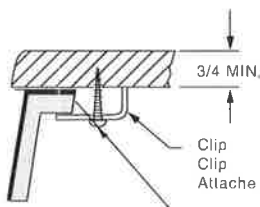
Los nombres de los productos en este manual son marcas registradas de American Standard, Inc., excepto los casos en que se mencione el nombre de otra empresa.

Les noms des produits indiqués dans ce document sont des marques de commerce d'American-Standard inc, sauf avis contraire.

Corian® Dupont registered trademark / Corian® Dupont es una marca registrada / CorianMD marque déposée de Dupont

3

**FOR WOOD COUNTERTOP
PARA CUBIERTAS DE LAVABO DE MADERA
POUR LES COMPTOIRS DE BOIS**



Drill 1/8 dia. X 3/8 deep
#10 Wood Screw
Taladre un perforación con un diámetro
de 1/8" y una profundidad de 3/8"
Vis a bois #10

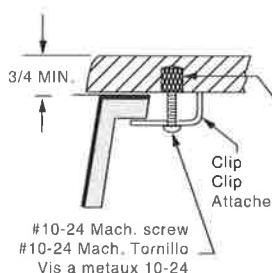
Mark and pre-drill the wood screw holes as located on the enclosed template. Waterproof any exposed areas of wood.

Marca y perfora los huecos para los tornillos localizados en la plantilla. Haga a prueba de agua partes de madera que estén expuestas.

Sous le comptoir, positionner et percer les trous marqués au dessin graphique inclu. S'assurer de protéger des surfaces exposées en bois contre l'eau.

4

**FOR MARBLE OR SOLID SURFACE COUNTERTOP
PARA CUBIERTAS DE LABABO DE MÁRMOL O
SUPERFICIES DURAS
POUR LES COMPTOIRS DE MARBRE OU TOUTE
AUTRE SURFACE SOLIDE**



Brass insert, epoxy in place with threaded end exposed. (Epoxy not supplied).

Inserto de latón, use plastilina epóxica para sellarlo a su lugar con la parte roscada expuesta.

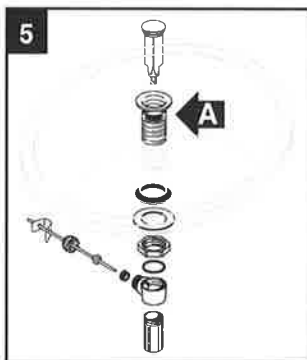
Insertion en laiton, coller en place avec l'epoxyde, le bout fileté apparent. (Colle à l'epoxyde non incluse).

To protect countertop, place it on a foam padding and drill 3/8 Dia. X 1/2 deep hole as per location shown on template.

Para proteger la cubierta, colóquelo sobre un acolchado de espuma y realice un agujero de 3/8 de diámetro X 1/2 de profundidad para determinar la ubicación que se muestra en la plantilla.

Afin de protéger le comptoir, placez-le sur un coussin de caoutchouc-mousse et percez un trou de 3/8 (diamètre) X 1/2 po de profondeur (emplacement indiqué sur le dessin graphique).

5

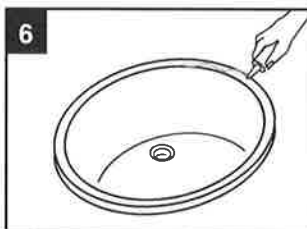


Mount the drain assembly (not included) on the sink, following faucet manufacturer's instructions. Be certain to apply a bead of sealing putty on the underside of the drain (Part "A") in order to ensure a watertight seal between the sink and drain. Remove excess putty after installing drain on sink.

Instale el sistema del desagüe (no se incluye con el producto) en el lavabo según las instrucciones del fabricante de la llave. Es necesario aplicar un poco de pasta a la parte inferior del desagüe (Parte A) para crear un sello hermético entre el lavabo y el desagüe. Remueva el excedente de pasta después de instalar el desagüe en el lavabo.

Installer l'assemblage du vidage (non inclus) dans le lavabo, en suivant les instructions du manufacturier du robinet. S'assurer d'appliquer un trait de mastic scellant sous le rebord du vidage (pièce "A") afin d'assurer l'étanchéité entre le lavabo et le vidage. Enlever le surplus de mastic après l'installation du vidage dans le lavabo.

6

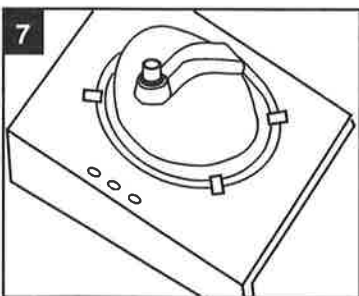


NOTE: Do not use adhesives or adhesive sealants. After checking fit and alignment of sink to cut out, apply a bead of silicone adhesive to rim of sink.

NOTA: No usen pegamento o sellantes. Después de verificar bien la posición del lavabo en la abertura de la cubierta, aplique un poco de pasta al rim del lavabo.

NOTE: Ne utilisez pas des adhésifs ou des collants. Après vérification de l'ajustement et du centrage du lavabo sur l'ouverture, appliquer un trait d'adhésif au silicone sur le rebord du lavabo.

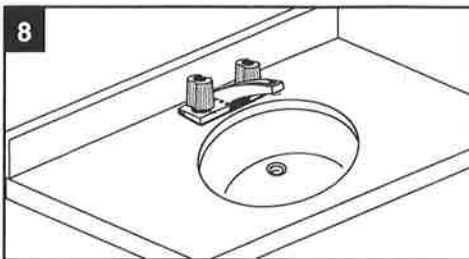
7



Center bowl over cutout and tighten screws (see 4) to secure bowl to countertop. Remove excess sealant from inside lip
NOTE: The screws provided should be used on countertops with a minimum 1" thickness. For thinner countertops, use appropriate anchors and fasteners.

Cuando el lavabo esté colocado firmemente sobre la abertura de la cubierta apriete las tuercas de mariposa (según se ilustra) para ajustar el lavabo a la cubierta. Remueva el excedente del adhesivo del rim.
NOTA: Los tornillos incluidos deberían ser usados con cubierta de lavabos con un mínimo de 1" de espesor. Para cubierta de lavabos que sean más delgados, usen las anclas y los sujetadores apropiados.

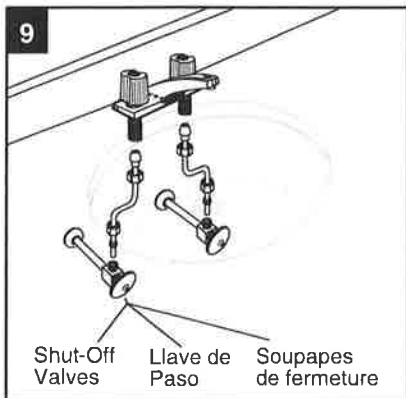
Centrer la cuvette sur l'ouverture en vous guidant sur les marques d'alignement et serrer les écrous à oreilles (voir 4) pour fixer la cuvette sur le dessus du comptoir. Enlever le surplus de scellant sur le rebord intérieur.
NOTE: Les vis incluses devront être utilisées avec des comptoir qui sont 1" (25.4 mm) en épaisseur. Pour des comptoirs plus minces, utiliser des ancrs et attaches appropriés.



Install faucet (not included) and countertop (not included) following manufacturers instructions.

Instale la llave y la cubierta del lavabo (no se incluyen) según las instrucciones del fabricante.

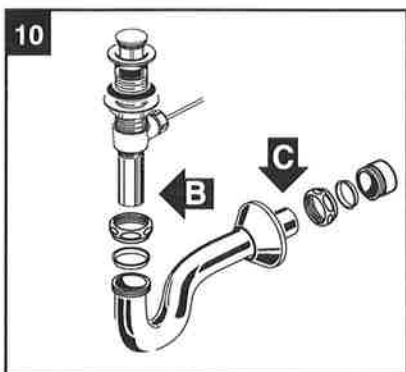
Installer le robinet (non inclus) en suivant les instructions du manufacturier.



Connect supply line to faucet (finger tight) and carefully bend tubes to engage with the supply shut-off valves. Tighten connections at faucet and shut-off valves for water tight seal.

Instale la línea de suministro a la llave (apriete con la mano) y doble cuidadosamente los tubos para conectar las válvulas de cierre y tener un sello hermético.

Raccorder le conduit d'alimentation au robinet (serrer à la main) et plier soigneusement les tuyaux pour les engager dans les soupapes de fermeture d'eau. Resserrer les raccords au robinet et aux soupapes de fermeture pour assujettir un joint étanche à l'eau.



Connect trap to drain assembly hand tight to check alignment. It may be necessary to cut off part of the tailpiece (area "B") or part of the horizontal leg of the trap (area "C"). Secure joints for watertight assembly.

Conecte la trampa (contracespol) al sistema de desagüe y apriete con la mano para verificar la alineación. Puede ser necesario cortar la pieza posterior (el área "B") o parte de la sección de la trampa. Apriete las conexiones para tener conexiones herméticas.

Raccorder le siphon au vidage et serrer à la main pour vérifier l'alignement. Il pourrait être nécessaire de couper un bout de la crépine d'aspiration (partie "B") ou un bout du bras horizontal du siphon (partie "C"). Resserrer les raccords pour rendre l'assemblage étanche.

AMERICAN STANDARD ONE-YEAR LIMITED WARRANTY

If inspection of this American Standard plumbing product, within one year after its initial installation, confirms that it is defective in materials or workmanship, American Standard will repair or, at its option, exchange the product for a similar model.

This limited warranty **does not apply** to local building code compliance; since local building codes vary considerably, the purchaser of this product should check with a local building or plumbing contractor to insure local code compliance before installation.

This warranty **shall be void** if the product has been moved from its initial place of installation; if it has been subjected to faulty maintenance, abuse, misuse, accident or other damage; if it was not installed in accordance with American Standard's instructions; or if it has been modified in a manner inconsistent with the product as shipped by American Standard.

American Standard's option to repair or exchange the product under this warranty does not cover any labor or other costs of removal or installation, **nor shall American Standard be responsible for any other incidental or consequential damages attributable to a product defect or to the repair or exchange of a defective product, all of which are expressly excluded from this warranty.** (Some states or provinces do not allow the exclusion or limitation of implied warranties, so this exclusion may not apply to you.)

This warranty gives you specific legal rights. You may have other statutory rights that vary from state to state or from province to province, in which case this warranty does not affect such statutory rights.

For service under this warranty, it is suggested that a claim be made through the contractor or dealer from or through whom the product was purchased, or that a service request (including a description of the product model and of the defect) be sent to the following address:

In the United States:

American Standard Inc.
P.O. Box 6820
Piscataway, New Jersey 08855
Attention: Director of Consumer Affairs

For residents of the United States, warranty information may also be obtained by calling the following toll free number: (800) 442-1902

www.americanstandard-us.com

In Canada:

American Standard
2480 Stanfield Rd.
Mississauga, Ontario
Canada L4Y 1S2

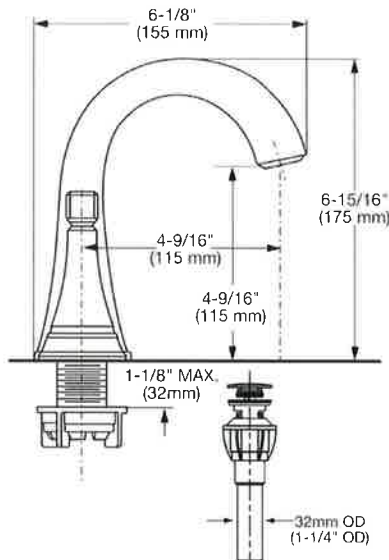
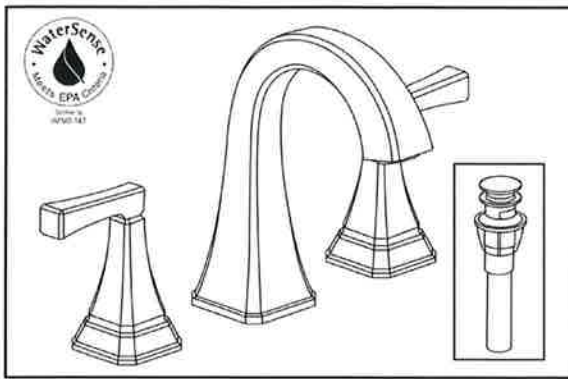
Toll Free: (800) 387-0369

www.americanstandard.ca

In Mexico:

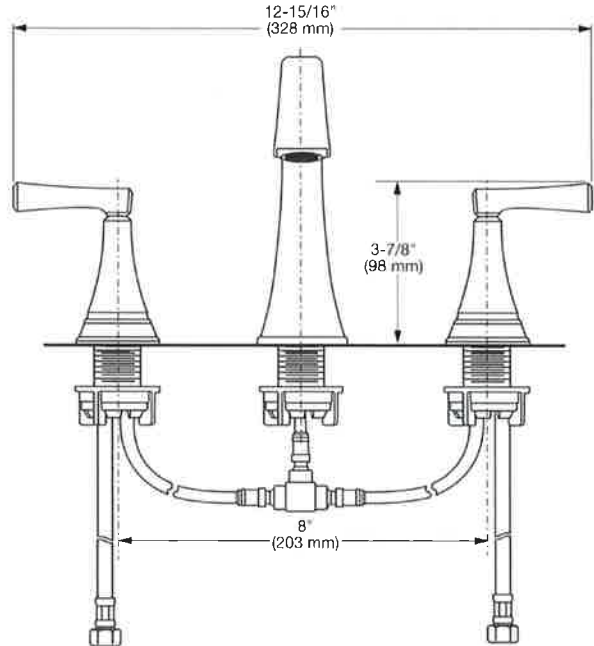
Customer Service Manager
Ideal Standard, S.A. de C.V.
Via Morelos #330
Col. Santa Clara
Ecatepec 55540 Edo. Mexico

www.americanstandard.com.mx



MODEL NUMBER:

- 7612807.002 Chrome finish.
- 7612807.295 Brushed Nickel finish.
- 7612807.278 Legacy Bronze finish.
- 7612807.243 Matte Black finish.



Effortless elegance, leading-edge style and thoughtful innovation combine to make American Standard faucets the perfect choice for those who are unwilling to sacrifice style for performance.

GENERAL DESCRIPTION:

Non-metal valve bodies with reinforced brass sleeves and flexible hose connections for 6" to 12" (152 to 305 mm) installations. 1/4 turn washerless ceramic disc valve cartridges. Brass push pop-up drain. Drain body with 1-1/4 inch (32 mm) tail piece. 1.2 gpm/4.5 L/min. maximum flow rate.

PRODUCT FEATURES:

- Brass Push Pop-Up Drain:** Easy to install, operate and remove clogs
- Metal Construction:** Built for durability and dependability
- Ceramic Disc Valve Cartridges:** Lifetime of drip-free performance
- Limited Lifetime Warranty:** Reliable function, lustrous finish for life
- WaterSense Certified:** Saves water without sacrificing performance
- Choice of Finishes:** Chrome, Brushed Nickel, Legacy Bronze or Matte Black



Easily Snaps Together for Watertight Connection
SPEED CONNECT® HOSES

Reliable For Life



Easy Install Push Drain
EASY TO INSTALL, OPERATE, AND REMOVE CLOGS

Reliable For Life



Pre-assembled Handles
JUST DROP-IN AND CONNECT

Reliable For Life

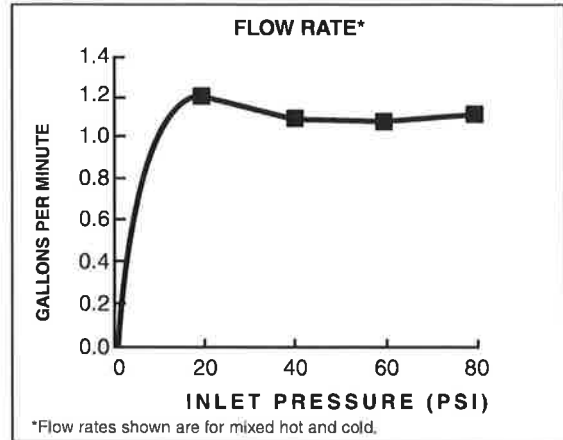
SUGGESTED SPECIFICATION:

2-Handle widespread bath faucet shall feature metal spout. Shall also feature 1/4 turn washerless ceramic disc valve cartridges. Shall also feature Speed Connect Installation System. Shall also feature a brass push pop-up drain body. Fitting shall be American Standard Model # 7612807.002, 7612807.295, 7612807.278, 7612807.243.

CODES AND STANDARDS

These products meet or exceed the following codes and standards:

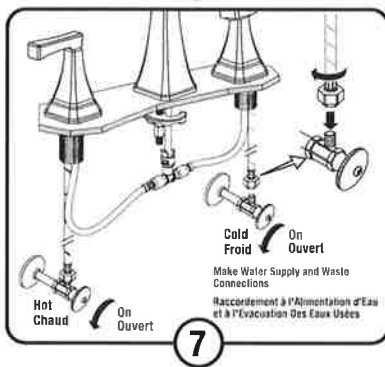
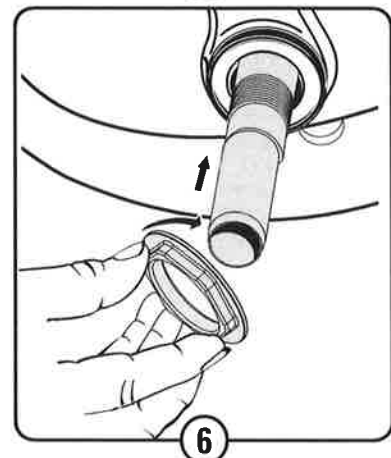
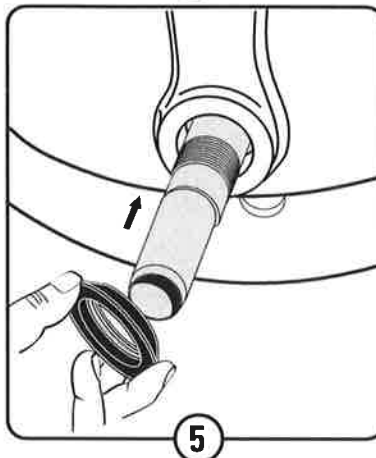
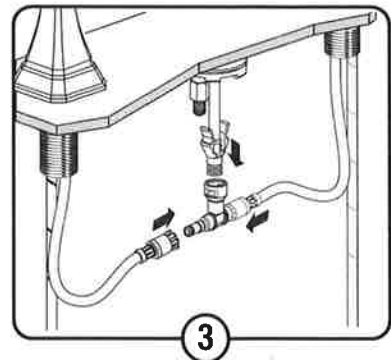
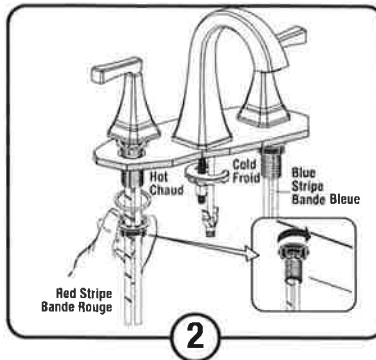
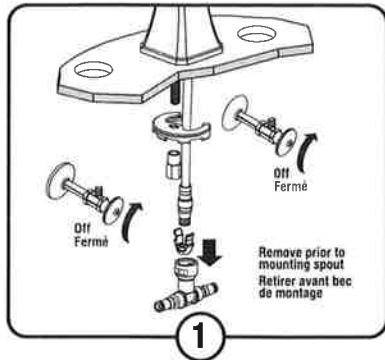
- ANSI A117.1**
- ASME A112.18.1**
- CSA B125.1**
- NSF 61/Section 9**
- NSF 372**



Product Number	Description
7612807.002	Widespread lavatory. Metal lever handles. Brass push pop-up drain. Chrome finish.
7612807.295	Widespread lavatory. Metal lever handles. Brass push pop-up drain. Brushed Nickel finish.
7612807.278	Widespread lavatory. Metal lever handles. Brass push pop-up drain. Legacy Bronze finish.
7612807.243	Widespread lavatory. Metal lever handles. Brass push pop-up drain. Matte Black finish.

ADA Meets the American Disabilities Act Guidelines
ANSI A117.1 Requirements for the physically challenged.

Instructions d'installation



Care and Cleaning:

Do: Simply rinse the product clean with clear water, dry with a soft cotton flannel cloth.

Do Not: Clean the product with soaps, acid, polish, abrasives, harsh cleaners, or a cloth with a coarse surface.

Instructions d'Entretien:

À FAIRE: simplement rincer le robinet avec de l'eau propre, sécher avec un chiffon doux en coton.

À NE PAS FAIRE: nettoyer avec des savons, de l'acide, des produits à polir, des détergents abrasifs ou un chiffon à gros grains.

Recommended Tools Outils nécessaires

Note: Supplies and P-Trap not included and must be purchased separately.

Remarque: des tuyaux, siphon en p ou des arrondies (non inclus) peuvent être achetés séparément.



Service

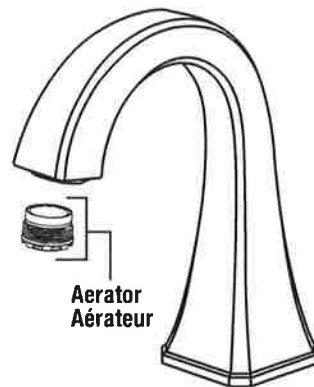
If Faucet Drips, Proceed As Follows:

- Turn HANDLES to OFF position.
- If spout drips, operate HANDLES several times from OFF to ON position. Do not force HANDLES they turn only 90°.
- AERATOR may accumulate dirt causing distorted and reduced water flow. Unthread the AERATOR with a coin, flat head screwdriver, or other similar tool and rinse clean.

Entretien

Si le robinet goutte, procéder comme suit:

- Mettre la poignée sur la position fermée.
- Si le robinet goutte, actionner les poignées à plusieurs reprises en alternant les positions fermée et ouverte. Ne pas forcer - les poignées ne tournent qu'à 90°.
- AÉRATEUR : peut s'accumuler saleté causant déformée ainsi qu'un débit d'eau réduit. Défiletez l'AÉRATEUR avec une pièce de monnaie, un tournevis plat ou un autre outil similaire et rincez-le.



Parts/Assembly

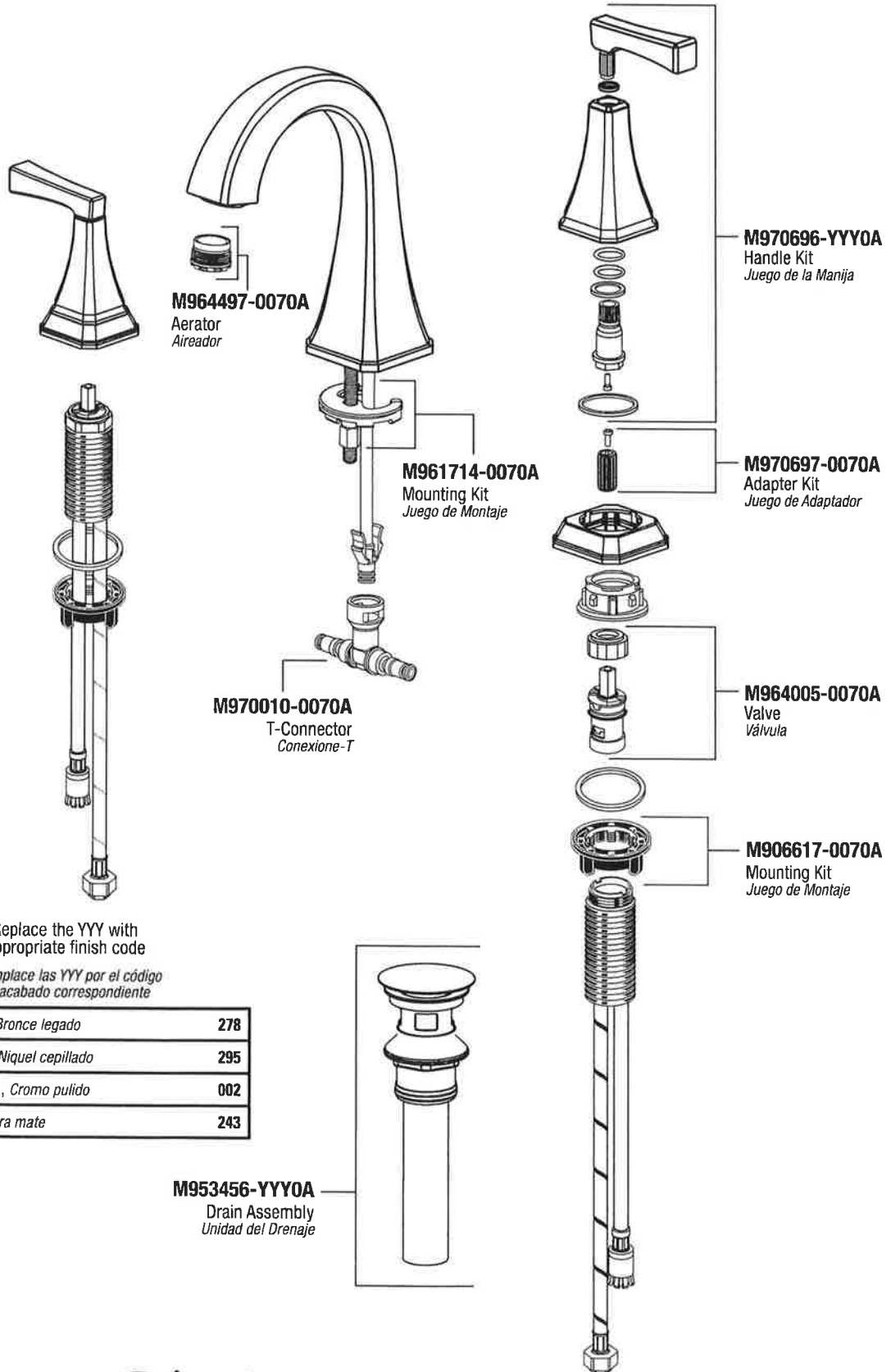
Unidad/de Partes

Crawford™

8" Widespread Faucet

8" Llave Mezcladora para Lavabo Extendido

7612807



Legacy Bronze, <i>Bronce legado</i>	278
Brushed Nickel, <i>Niquel cepillado</i>	295
Polished Chrome, <i>Cromo pulido</i>	002
Matte Black, <i>Negra mate</i>	243

American Standard



AS AMERICA, INC. ONE YEAR LIMITED WARRANTY FOR COMMERCIAL FIXTURES

COMMERCIAL

If inspection of this AS America, Inc. ("American Standard") plumbing product, within one year after its initial purchase, confirms that it is defective in materials or workmanship, American Standard will repair or, at its option, exchange the product for a similar model. For this warranty to become effective, the warranty registration process must be completed via the internet or telephone per the warranty registration instructions.

If the commercial fixture is purchased with a matching American Standard flush valve, American Standard will extend the warranty for the commercial fixture to five years. Proof of purchase is required and must show that the commercial fixture and flush valve are purchased together and in the same proof of purchase document.

This warranty applies only to the original owner and the original installation of these products. In the event of a warranty claim, proof of purchase will be required – **save your sales receipt**. This warranty is non-transferable to subsequent purchasers or owners. The sole exception to the non-transferability of this warranty is that if this product is purchased by a plumber, contractor or other service provider, this warranty extends to the first property owner on whose behalf the product was purchased for installation.

Because American Standard cannot control the quality of products sold by unauthorized sellers, this warranty applies only to American Standard products which were purchased from American Standard or an American Standard authorized seller, unless otherwise prohibited by law. American Standard reserves the right to reject warranty claims from purchasers for products purchased from unauthorized sellers, including unauthorized Internet sites.

This warranty does not apply to local building code compliance. Since local building codes vary considerably, the purchaser of this product should check with a local building or plumbing contractor to ensure local code compliance before installation. This warranty does not cover deterioration through normal wear and tear and the expense of normal maintenance.

This warranty is void if the product has been moved from its initial place of installation; if it has been subjected to faulty maintenance, abuse, misuse, accident or other damages; if it was not installed in accordance with American Standard's instructions; or if it has been modified in a manner inconsistent with the product as shipped by American Standard.

American Standard's option to repair or exchange the product under this warranty does not cover any labor or other costs of removal or installation. **IN NO EVENT WILL AMERICAN STANDARD BE LIABLE FOR THE COST OF REPAIR OR REPLACEMENT OF ANY INSTALLATION MATERIALS, INCLUDING BUT NOT LIMITED TO, TILES, MARBLE, ETC. AMERICAN STANDARD WILL NOT BE RESPONSIBLE FOR ANY OTHER INCIDENTAL OR CONSEQUENTIAL DAMAGES ATTRIBUTABLE TO A PRODUCT DEFECT OR TO THE REPAIR OR EXCHANGE OF A DEFECTIVE PRODUCT, ALL OF WHICH ARE EXPRESSLY EXCLUDED FROM THIS WARRANTY.** Some States do not allow the exclusion or limitation of incidental or consequential damages, so this limitation or exclusion may not apply to you. **ANY IMPLIED WARRANTIES, INCLUDING THOSE OF MERCHANTABILITY OR FITNESS FOR AN INTENDED PURPOSE, ARE LIMITED IN DURATION TO THE DURATION OF THIS WARRANTY.** Some States do not allow limitations on how long an implied warranty lasts, so this limitation may not apply to you.

This warranty gives you specific legal rights, and you may also have other rights which vary from State to State.

Obtaining Warranty Service

If you believe that you have a warranty claim, contact American Standard, either through an authorized AS America, Inc. dealer or re-seller, by writing to the addresses below, or visiting the website below:

In the United States

AMERICAN STANDARD BRANDS

30 Knightsbridge Road, Suite 301,
Piscataway, NJ 08851

Attn: Director of Consumer Affairs

For residents of the United States, warranty information may also be obtained by calling the following toll free number:

(800) 442-1902

www.americanstandard.com

In Canada

LIXIL CANADA INC.

5900 Avebury Road
Mississauga, Ontario
Canada L5R 3M3

Toll Free: (800) 387-0369

www.americanstandard.ca

In Mexico

AMERICAN STANDARD B&K MEXICO

S. de R.L. de C.V.

Via Morelos #330

Col. Santa Clara

Ecatepec 55540 Edo. Mexico

Toll Free: 01-800-839-1200

www.americanstandard.com

Please be sure to provide all pertinent information regarding your claim, including your sales receipt, a complete description of the problem, the product, model number, color, finish, purchase date, and from whom the product was purchased.

For other information, or to obtain the name and address of the service and repair facility nearest you, call (800) 442-1902 (in the United States); (800) 387-0369 (in Canada) and 01-800-839-1200 (in Mexico).

Effective Date: July 1, 2020



a Bead Industries, Inc. company

Warranty, Terms and Return Policies

TERMS: All sales are subject to credit approval. Terms are 2% ten days – net 30.

RETURNED GOODS: Requests for returning purchased items are subject to factory approval.

A Returned Goods Authorization (RGA) must be obtained from the factory prior to any return. Returned merchandise must be in their original cartons, listed in our current List Price Sheet and in clean saleable condition.

Restocking charge:

- Material that was shipped within 18 months of the return request is subject to a 25% restocking charge.
- Material that was shipped more than 18 months of the return request but less than 3 years is subject to a 50% restocking charge.
- Material returned more than 18 months after it was shipped is not subject to any stock rotation agreement.
- Material that was shipped more than 3 years before the return request is not returnable.
- Invoice dates as well as dates on packaging will control.

The restocking charge may be reduced if a new order of equal value is placed at the time the RGA is requested:

- 25% may be reduced to 15%
- 50% may be reduced to 35%

MINIMUM RETURN POLICY:

Return requests less than \$200 net will be charged \$50 processing fee in lieu of any restocking charge.

INVOICE:

We reserve the right to invoice all merchandise at prices in effect at time of shipment.

NO MINIMUM ORDER:

Orders less than \$200 list will be invoiced at list price less 35% (.65 multiplier).

McGuire Manufacturing Co., Inc.

60 grandview court • cheshire • ct • 06410

tel 203-699-1801 • fax 203-699-1813

mcguiremfg.com

customerservice@mcguiremfg.com

FREIGHT:

We will pay freight on shipments within the continental United States when the order (pre-tax) totals more than \$2200 net. We select the method of shipment and carrier when we pay the freight.

Limited Warranty Information

McGuire Manufacturing Co., Inc. (McGuire) warrants its product to be free from defects in material and workmanship for the period indicated below by product type measure from the date of purchase:

ITEM	WARRANTY PERIOD
Brass products	15 years
ProWrap	5 years
Eco P-Traps, Eco Strainers and Valve Strainers	1 year
Stainless Steel products	1 year
Lite Commercial P-Traps	1 year

McGuire's sole responsibility will be to replace, at no additional charge, any product which proves to be defective within the applicable warranty period. Shipping costs for product located outside the continental United States will be the sole responsibility of the customer. Duties and taxes, if levied, shall be the sole responsibility of the customer.

The above Limited Warranty shall not apply if the product has been damaged due to abuse, misuse, improper installation, accident, or other cause not within McGuire's control.

THE ABOVE LIMITED WARRANTY IS THE SOLE AND EXCLUSIVE WARRANTY. ALL OTHER WARRANTIES ARE DISCLAIMED, WHETHER EXPRESSED OR IMPLIED, INCLUDING BUT NOT LIMITED TO, ANY IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. IN NO EVENT SHALL MCGUIRE BE RESPONSIBLE OR LIABLE FOR ANY SPECIAL INCIDENTAL, OR CONSEQUENTIAL DAMAGES OR LOSSES ARISING FROM THE USE OF THIS PRODUCT.

McGuire may, at its option, alter the contents of this LIMITED WARRANTY at anytime. These changes will affect products manufactured after the effective date of this policy.

McGuire Manufacturing Co., Inc.

60 grandview court • cheshire • ct • 06410

tel 203-699-1801 • fax 203-699-1813

mcguiremfg.com

customerservice@mcguiremfg.com

P-6

Installation

LVAD1

Verge® Wash Basin – LVA-Series with
Evero® Natural Quartz Material



Table of Contents

Safety Information	2
Supplies Required	2
Components	3
Dimensions	4
Structural Rough-In	6
Plumbing and Electrical Rough-In	7
Bracket Mounting	8
Drain Assembly	8
Basin Bracket for Access Panel Installation – Evero Matte only	9
Faucet and Soap Installation	10
Bowl Mounting (to Bracket and Wall)	10
Strainer and Drain Cap	11
Adjust Temperature with Water Running	11
Access Panel	12
Cleaning and Maintenance	13



Read the instructions in this manual before beginning installation. Save these instructions and refer to them for inspection, maintenance, and troubleshooting information.

For questions regarding the operation, installation or maintenance of this product, visit bradleycorp.com or call 800.BRADLEY (800.272.3539). Product warranties and parts information may also be found under "Resources" on our website at bradleycorp.com.



Safety Information

WARNING

Make sure that all water supply lines have been flushed and then completely turned off before beginning installation. Debris in supply lines can cause valves to malfunction.

Turn OFF electrical power to the electrical outlets, then unplug all electrical units prior to installation. Electrical power MUST remain off until installation is complete.

Installer's hardware must be appropriate for wall construction. Wall anchors must have a minimum pull-out rating of 1,000 pounds.

IMPORTANT

Read this entire installation manual to ensure proper installation. When finished with the installation, file this manual with the owner or maintenance department. Compliance and conformity to local codes and ordinances is the responsibility of the installer. Product warranties may be found under "Products" on our Website at www.bradleycorp.com.

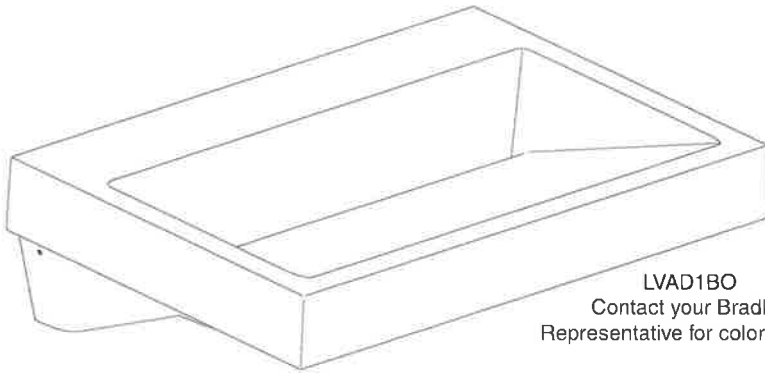
Separate parts from packaging and make sure all parts are accounted for before discarding any packaging material. If any parts are missing, do not begin installation until you obtain the missing parts.

For standard height mounting, do not exceed the recommended 33.5" distance from the fixture rim to the finished floor.

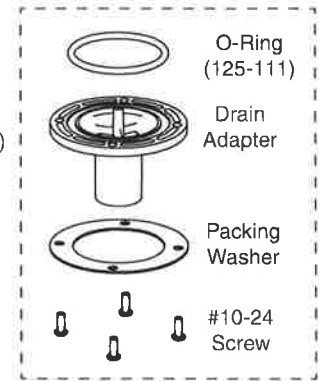
Supplies Required

- (4) 3/8" fasteners and wall anchors for bowl and wall bracket (minimum pull-out rating of 1,000 lb)
- (4) 1/4" fasteners and wall anchors for access panel brackets (minimum pull-out rating of 100 lb)
- 1/2" hot/cold or tempered stub-out
- 1 1/2" NPT drain stub-out(s)
- OPTIONAL: (1) 110V GFCI protected electrical outlets for 100–120VAC plug-in transformers only
- Screen filter(s) as needed, if not included with faucet(s)
- Drill
- Crescent wrench
- Tape measure
- Phillips screw driver
- Flat head screw driver
- Level

Components



LVAD1BO
Contact your Bradley
Representative for color options



Drain Adapter
Prepack
(S45-2480)

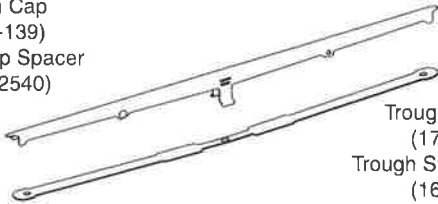
O-Ring
(125-111)

Drain Adapter

Packing Washer

#10-24
Screw

Drain Cap
(111-139)
Drain Cap Spacer
(269-2540)



Trough Strainer
(173-038)
Trough Strainer Screw
(160-353)

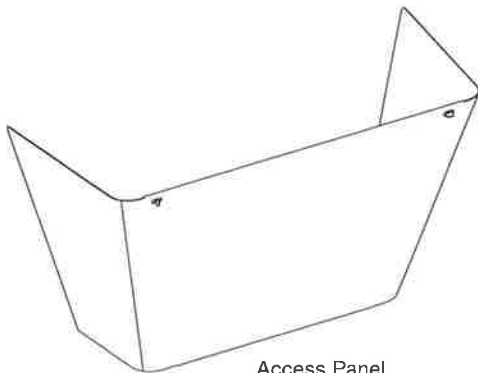
#10 Access Panel
Thumb Screw
(160-536)
Access Panel Security
Screw Option
(S45-2880)



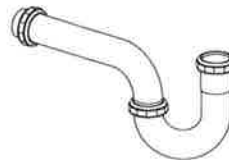
Evero Matte
Basin Bracket
for Access Panel
(140-1256)



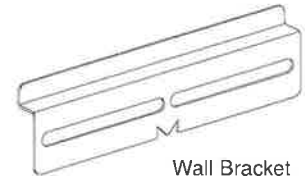
Access Panel Wall Bracket
(140-1172)



Access Panel
(186-1911)



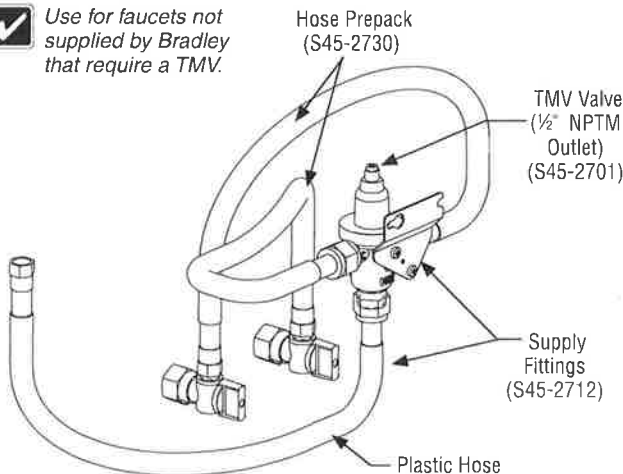
Individual Rough-In Option
Chrome P-Trap (S29-094)
Plastic P-Trap (269-1697)



Wall Bracket
(140-1153)

TMV Supply Connections

Use for faucets not supplied by Bradley that require a TMV.



Hose Prepack
(S45-2730)

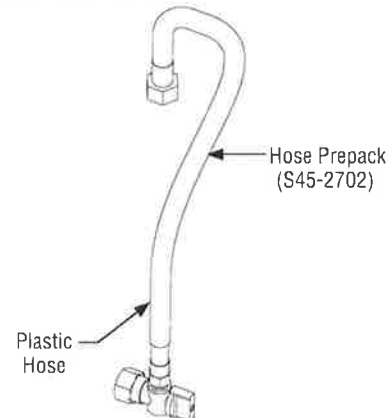
TMV Valve
($\frac{1}{2}$ " NPTM
Outlet)
(S45-2701)

Supply
Fittings
(S45-2712)

Plastic Hose

TMV & Tempered Supply Connections

Two (2) connections are required for TMV.



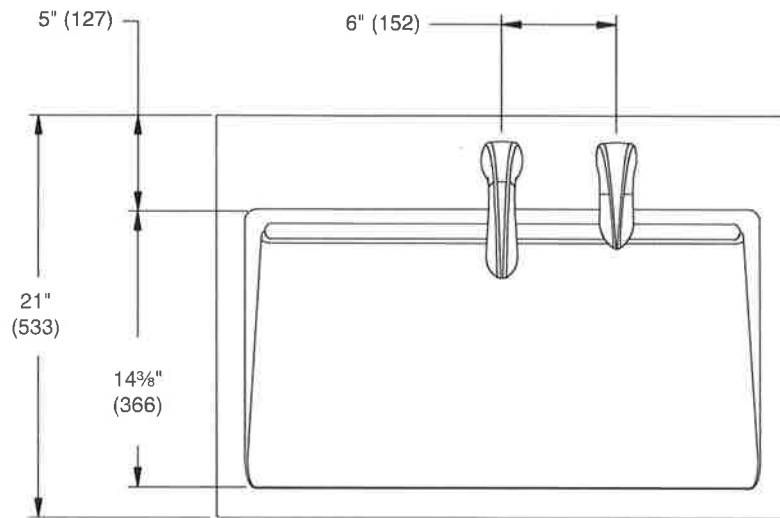
Hose Prepack
(S45-2702)

Plastic
Hose

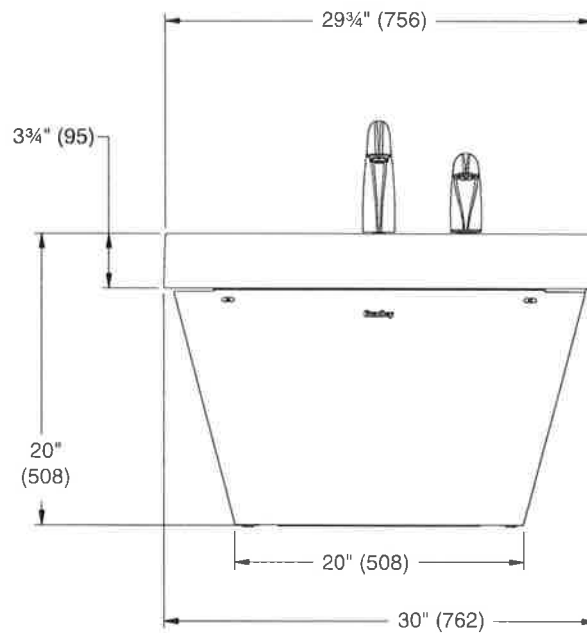
Dimensions

(mm)

Top View (shown with Crestt Series Faucet and Soap)

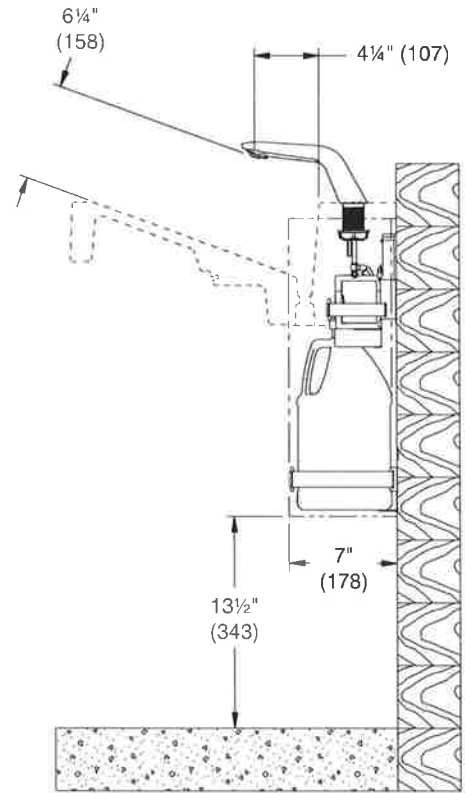
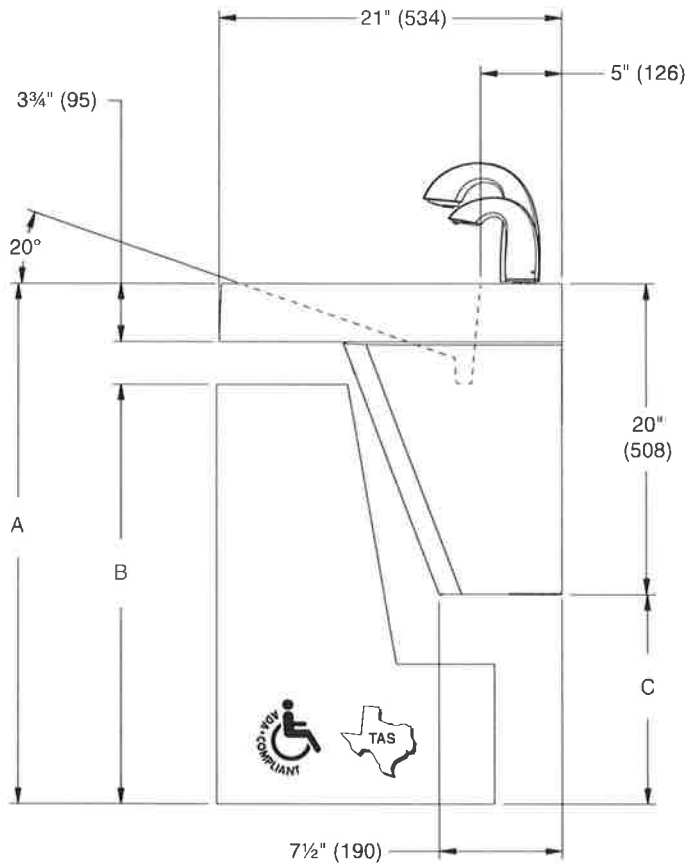


Front View



Dimensions – Side View

(mm)




	ADA/TAS Standard Height	ADA/TAS Juvenile Height (Children 6-12 years)	CSA Standard Height
Dim A	33 1/2" (851)	30 1/2" (775)	33 1/2" (851)
Dim B	27" (686)	24" (610)	29 9/32" (760)
Dim C	13 1/2" (343)	10 1/2" (267)	13 1/2" (536)
Notes	At least one basin must meet the dimensional requirements and have proper reach, knee, and toe clearance	At least one basin must meet the dimensional requirements and have proper reach, knee, and toe clearance	

Structural Rough-In

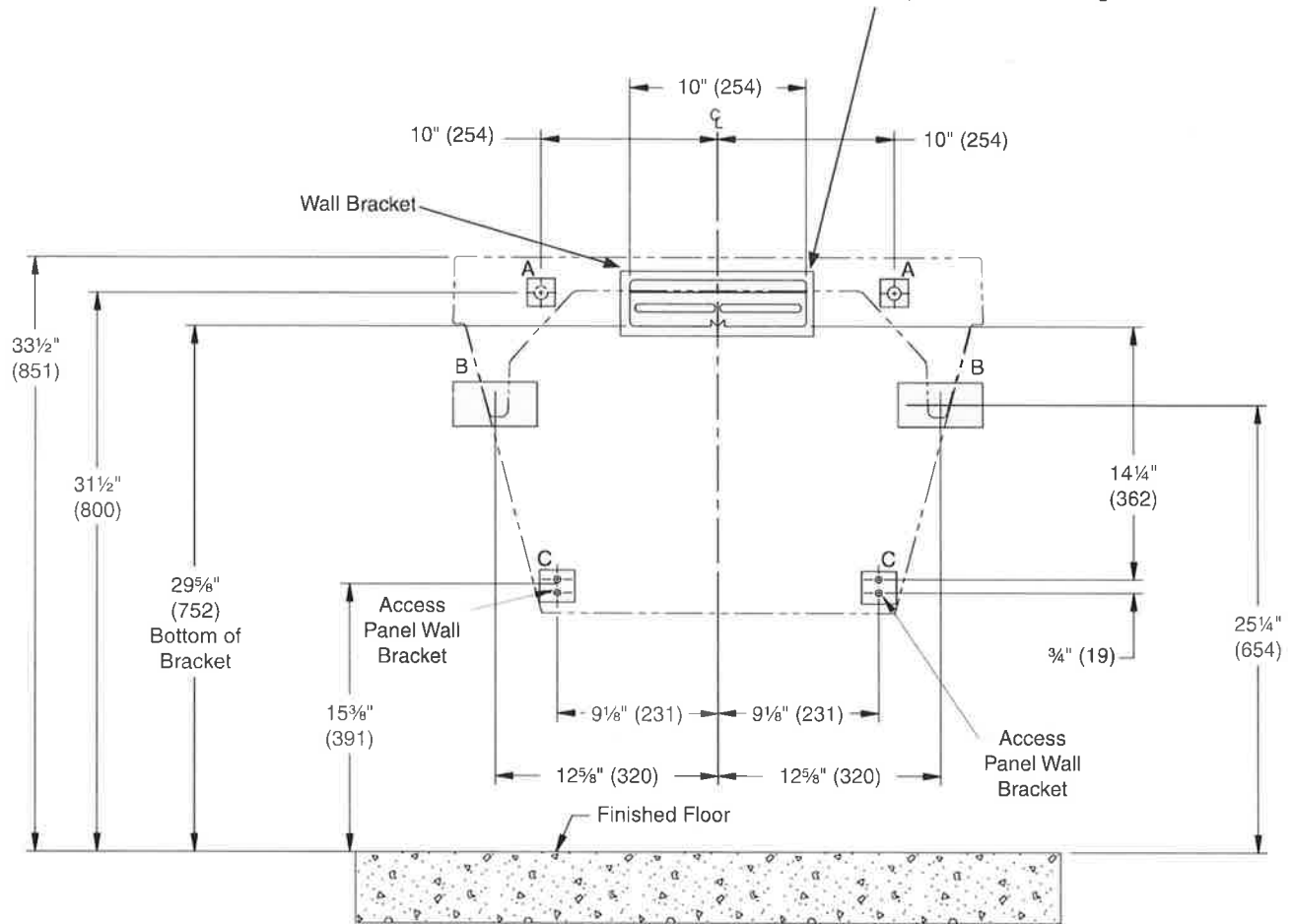
(mm)

 Mounting for Standard, ADA, and TAS height shown.

 Points A, B, and C require sufficient backing compliant with local building codes.

WARNING The bracket is not designed to support the bowl. Wall bracket is a temporary support until bowl is mounted at location "A". Ensure bowl is completely seated in the wall bracket and securely fastened to the wall at point A.

Secure bracket to wall using min. 3/8" anchor bolt to the left of C/L and min. 3/8" anchor bolt to the right of C/L. The anchor bolt to the right of C/L must be min. 5" apart from the anchor bolt to the left of C/L. When mounting is complete, check to ensure the bracket is level. See Step 1: Bracket Mounting for more information.



CODE	DESCRIPTION	QTY.
A	Install (1) 3/8" wall anchor with a minimum pull-out force of 1,000 lb per local codes at locations shown	2
B	Provide structural backing compliant with local building codes.	2
C	Install wall anchor with a minimum pull-out force of 100 lb per local codes at locations shown	2

RIM HEIGHT	VERTICAL HEIGHT ADJUSTMENTS	FIXTURE STYLE
33 1/2"	No Adjustment	Standard Height, ADA, TAS, and CSA
30 1/2"	Subtract 3"	Juvenile, ADA, and TAS

Plumbing and Electrical Rough-In

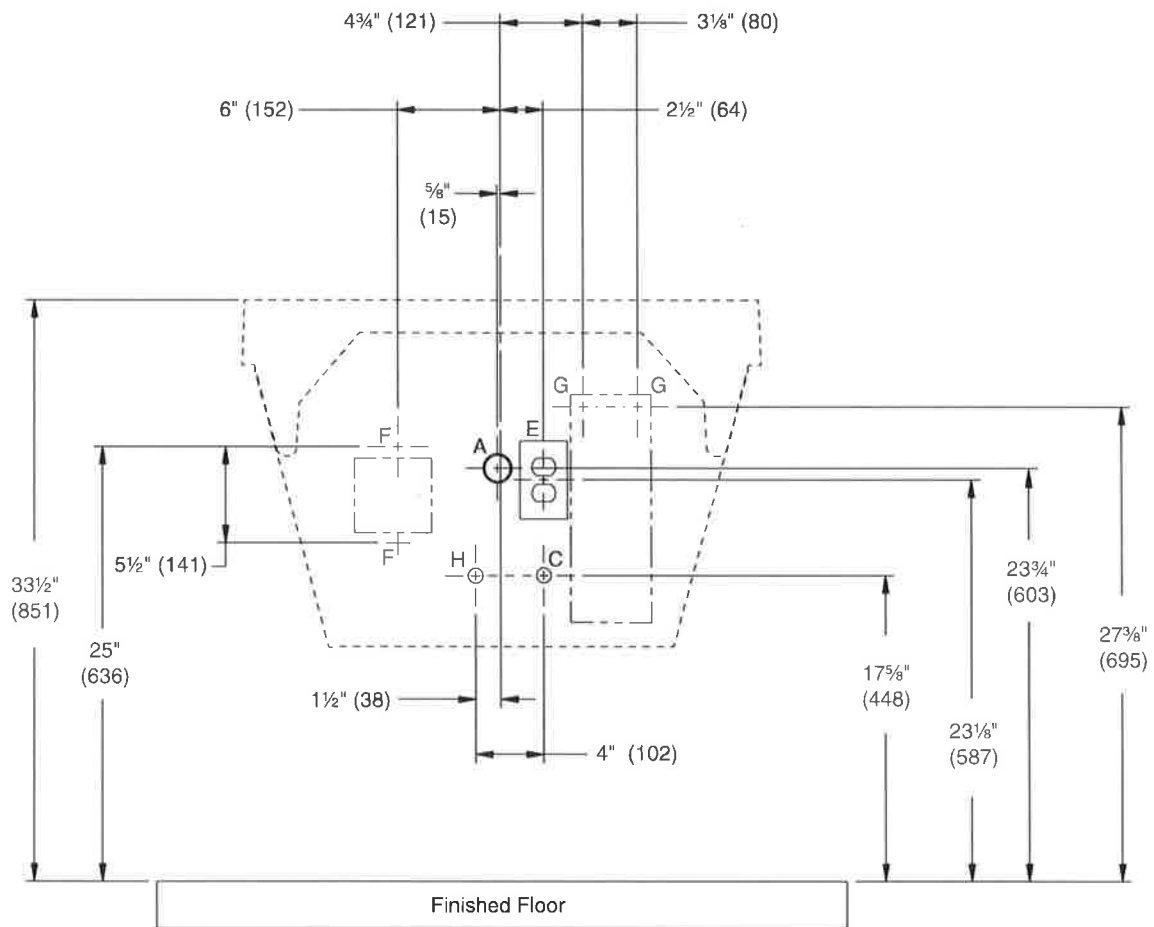
(mm)



Mounting for Standard, ADA, and TAS height shown.





Verge™ deck-mounted soap dispenser and faucet rough-in is shown below. For rough-in information on the LVAD1 Verge Wash Basin with WashBar Duo, refer to the WashBar Duo WBD1 tech data.

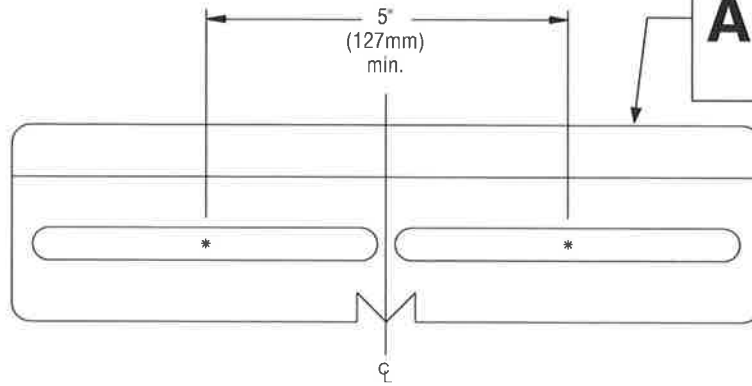


CODE	DESCRIPTION	QTY.
A	1 1/2" NPT Drain, Stub-out 2" from wall, individual waste option	1
H,C	1/2" Nominal (5/8" O.D. Comp.) Hot/Cold supplies, Stub-out 2" from wall	1
E	110V GFI protected electrical outlet (AC faucet and soap only) WashBar Duo requires 120 VAC, GFCI outlet properly grounded	1
F	#10 Anchors for Faucet Control Box Installation	2
G	#10 Anchors for Soap Tank Installation	2

1 Bracket Mounting

 Typical installation is shown. It may be necessary to repair the wall after mounting. The fixture may not cover all of the wall modifications.

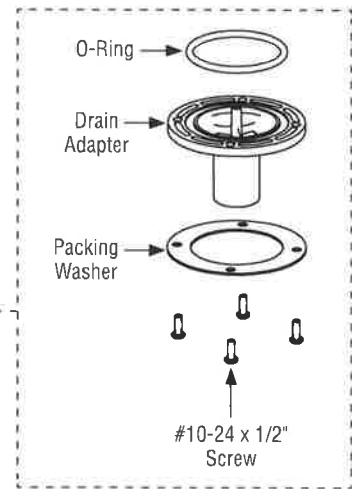
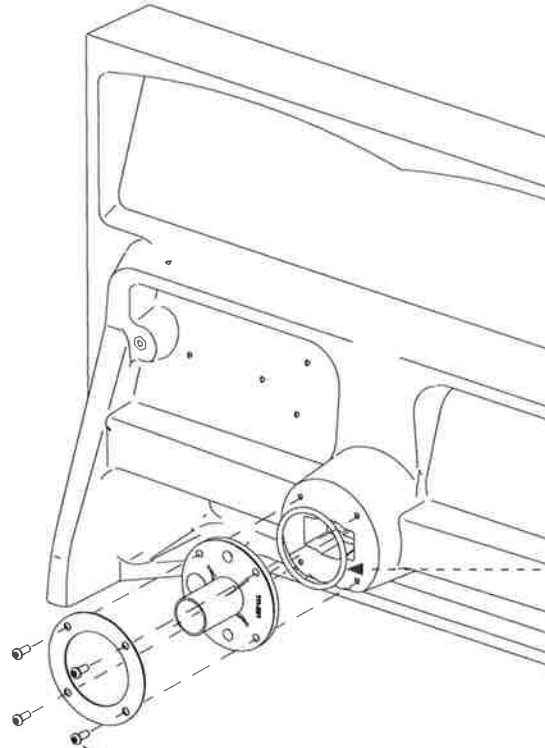
 Mounting height per structural rough-in dimensions.



A Install wall bracket to wall per the Structural Rough-In drawing. Check to ensure bracket is level. (Example anchor locations are shown below.)

2 Drain Assembly

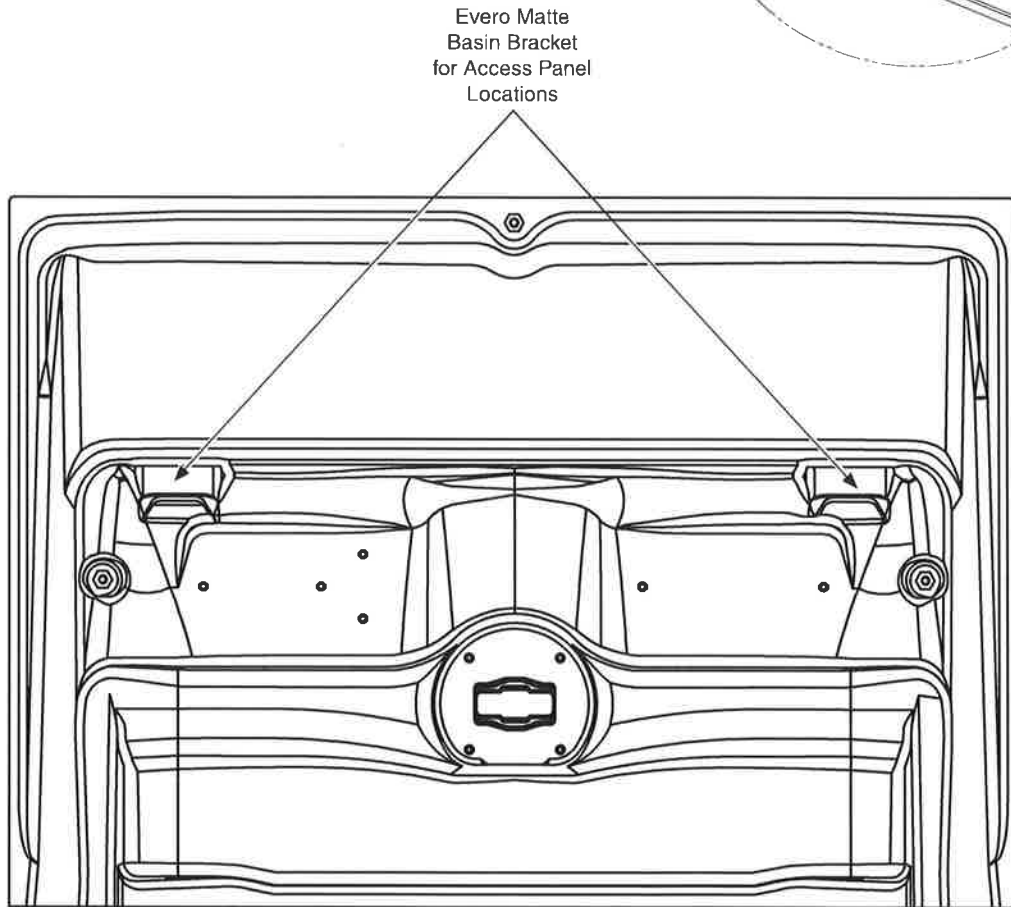
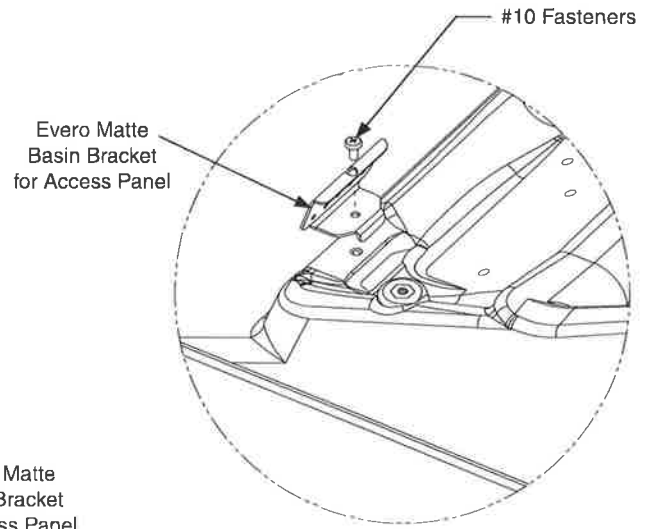
 For ease of drain installation, lay the bowl on its back.



A Assemble the remaining components as shown and thread the four screws through the drain adapter and into the basin inserts. Ensure the screws compress the drain adapter evenly onto the basin.

3 Basin Bracket for Access Panel Installation – Evero Matte only

A Attach the two supplied basin brackets for access panel (140-1256) using the #10 fasteners provided into the two threaded insert locations on the bowl.



4 Faucet and Soap Installation



For ease of installation, leave the bowl laying on its back.

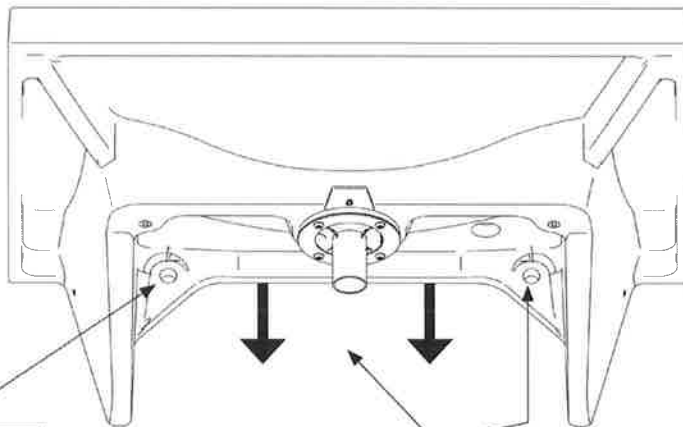


Follow the installation instructions shipped with the faucet and soap units for assembly and installation information.

5 Bowl Mounting (to Bracket and Wall)

⚠ WARNING Ensure bowl is completely seated in the wall bracket and securely fastened to the wall at point A.

⚠ CAUTION Bracket is not intended to support the weight of bowl for an extended period of time. Be sure to secure the bowl to the wall using appropriate fasteners.




B

Secure the bowl to the wall anchors using fasteners per the structural rough-in requirement (supplied by installer).

A

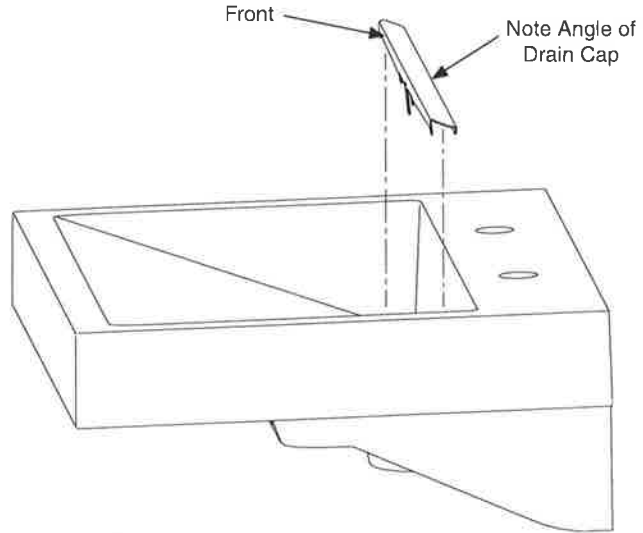
Position bowl above wall bracket. Press firmly on the back of the bowl to seat the bowl flange into the wall bracket lip. Ensure bowl is level.

6 Strainer and Drain Cap

-  Drain cap is labeled front and back. Be sure front is facing the user. Top surface of drain cap should be sloped away from user.

A Position drain cap over trough strainer, aligning tabs into drain. Push drain cap down until drain cap is flush with basin. Grommets should hold drain cap securely against drain trough walls.

B To remove drain cap, carefully slip flat screwdriver into left or right hand corner of drain cap and gently lift upwards.

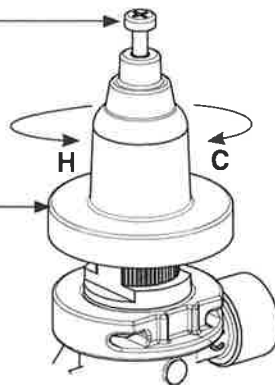


7 Adjust Temperature with Water Running

⚠ WARNING This valve is NOT factory preset. Upon installation, the temperature of this valve must be checked and adjusted to ensure delivery of a safe water temperature. Water in excess of 110°F (43°C) may cause scalding.

A Loosen cap screw about 1/4" (4–6 turns) and lift up cover (do not remove).

B Using cover, turn cartridge gently until desired water temperature is reached. Do not turn past stops as this may damage unit. Push cover down and tighten screw.



8 Access Panel

⚠ CAUTION For applications where children are present or for applications subject to vandalism, order security screw option S45-2880.



Make all connections before installing access panel.



Thumb screw installation is shown. Similar installation for vandal-resistant screws. For cam locks, refer to the separate installation guide provided.

A

Attach the access panel brackets to the wall (refer to rough-in drawing) by installing the #10 top screws (supplied by installer) into the slotted holes. **Do not install the #10 bottom screws at this time.**

B

Insert the #10 thumb screws into front bowl apron. Thumb screw in the vertical position is closed. Thumb screw in the horizontal position is open.

C

Hang access panel onto mounting brackets attached to the wall on the left and right sides. Rotate panel up and check fitup between thumb screws and panel slots. Route the access panel down and adjust the access panel brackets if necessary.

D

After access panel brackets are properly adjusted, install the #10 bottom screws to secure the brackets in place.

E

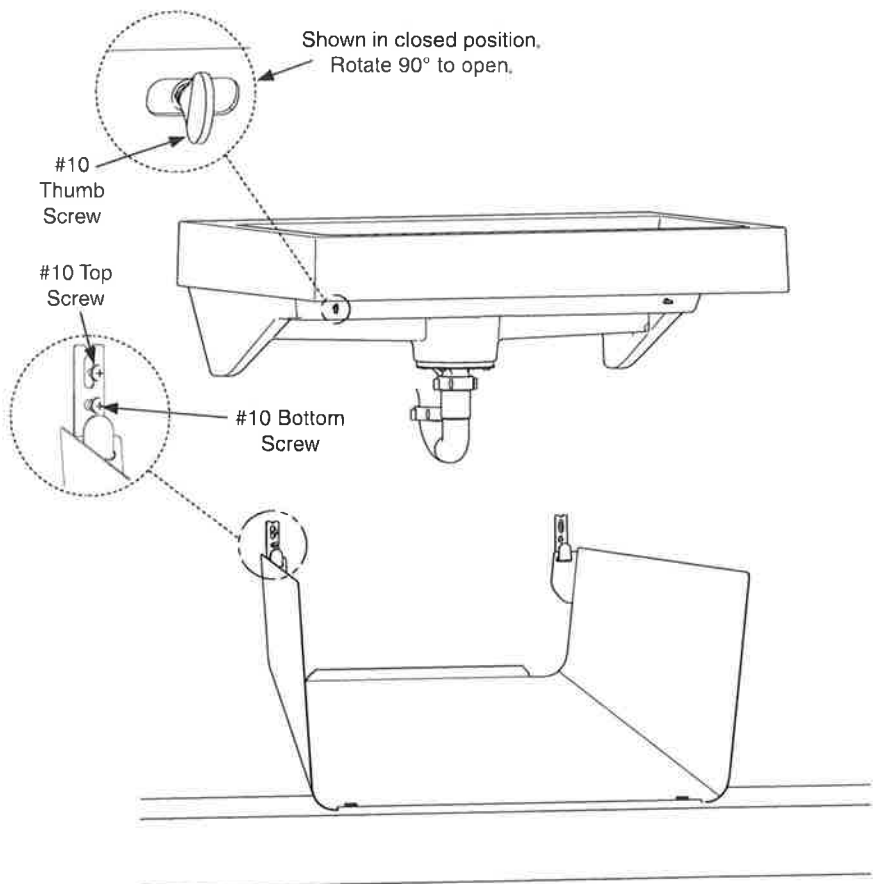
Attach P-trap to drain adapter and waste outlet.

F

Rotate access panel up and secure by rotating thumb screws to the closed position.

G

To open access panel, rotate thumb screw, slightly push panel up and swing access panel down. Do not remove thumb screws.



Cleaning and Maintenance for Evero

Material Description: Evero Natural Quartz Material is made of bio-based resin, natural quartz and other materials to resist chemicals, stains, burns and impact. Variations in the natural stone color, pattern, size, shape and shade are inherent. Due to these unique characteristics, please expect subtle shade variations when units are installed adjacent to each other.

Routine Cleaning: For regular cleaning, use mild neutral base cleaners.

Stubborn Stains: Remove tough stains, with non abrasive cleaners and pads such as a white Scotch Brite® pad or Magic Eraser. Test on inconspicuous area prior to using the suggested products.

Protecting the Surface: To optimize material performance in high use areas, it is recommended to apply DryTreat Stain-Proof Original or equivalent as needed.

Repair Kits: Evero repair kits are available. Contact your Bradley representative or distributor for part numbers and pricing. Repair kits are made to order and have a shelf life of 30 days.

NOTICE! *Do not use strong acid or alkaline chemicals and cleansers to clean Evero. If these chemicals come in contact with the surface, wipe them off immediately and rinse with soapy water. Avoid contact with harsh chemicals such as paint remover, bleach, acetone, chloride based cleaners, floor cleaners, etc. Avoid contact with hot pans and objects.*

Cleaning and Maintenance Instructions for Stainless Steel

Material Description: Stainless steel is extremely durable, and maintenance is simple and inexpensive. Proper care, particularly under corrosive conditions, is essential. Always start with the simplest solution and work your way toward the more complicated.

Routine Cleaning: Daily or as often as needed use a solution of warm water and soap, detergent, or ammonia. Apply the cleaning solution per the manufacturer's instructions and always use a soft cloth or sponge to avoid damaging the finish.

Stubborn Stains: To remove stains from stainless steel use a stainless steel cleaner and polish such as Ball® stainless steel cleaner or a soft abrasive. Always follow the manufacturer's instructions and apply in the same direction as the polish lines.

NOTICE! *Never use ordinary steel wool or steel brushes on stainless steel. Always use stainless steel wool or stainless steel brushes.*

Special Situations for Material

Fingerprints and Smears: To remove fingerprints or smears use a high quality stainless steel cleaner and polish in accordance with the manufacturer's instructions. Many of these products leave a protective coating that helps prevent future smears and fingerprints.

Grease and Oil : To remove grease and oil use a quality commercial detergent or caustic cleaner. Apply in accordance to the manufacturer's instructions and in the direction of the polish lines.

Precautions: Avoid prolonged contact with chlorides (bleaches, salts), bromides (sanitizing agents), thiocyanates (pesticides, photography chemicals, and some foods), and iodides on stainless steel equipment, especially if acid conditions exist.

NOTICE! *Do not permit salty solutions to evaporate and dry on stainless steel.*

The appearance of rust streaks on stainless steel leads to the belief that the stainless steel is rusting. Look for the actual source of the rust in some iron or steel particles which may be touching, but not actually a part of the stainless steel structure.

NOTICE! *Strongly acidic or caustic cleaners may attack the steel, causing a reddish film to appear. The use of these cleaners should be avoided.*

Brand Names: Use of brand names is intended only to indicate a type of cleaner. This does not constitute an endorsement, nor does the omission of any brand name cleaner imply its inadequacy. Many products named are regional in distribution, and can be found in local supermarkets, department and hardware stores, or through your cleaning service. It is emphasized that all products should be used in strict accordance with package instructions.



A WATTS Brand

Verge® Lavatory System

Verge Service Kit

Overview

The Verge® Service Kit is designed to provide replacement bowls for each of the L, R, G, S, Q, and A- Series lavatories. The Verge Service Kit tech data document is similar to other tech data, providing necessary options for ordering the kits. Complete the tech data for each service kit required for your system.

Product Compliance

Complies with

- ADA
- ICC/ANSI 117.1
- TAS
- NSF/ANSI 372



Listed by UL Environment to

- GreenGuard Gold



Sustainability

- Evero Classic and Evero Matte participate in the mindful MATERIALS library



Verge Bowl Only

LVLD1BO, LVLD2BO, LVLD3BO, LVRD1BO, LVRD2BO, LVRD3BO, LVGD1BO, LVGD2BO, LVGD3BO, LVSD1BO, LVSD2BO, LVSD3BO, LVQD1BO, LVQD2BO, LVQD3BO, LVAD1BO, LVAD2BO, LVAD3BO

Material Description

Evero® Natural Quartz Material (Bowl)

Evero Classic - Geo Series is a polished natural quartz surface made from a blend of bio-based resin, natural quartz, granite, and other exotic minerals.

Evero Classic - Pearl Series is a polished natural quartz surface made of bio-based resin, sea shells, and natural quartz.

Evero Matte - Mason Series is a matte natural stone-like quartz surface made from a blend of bio-based resin and a unique mixture of extra fine grade quartz.

- Variations in the natural stone color, pattern, size, shape, and shade are inherent. Due to these unique characteristics, please expect subtle shade variations when units are installed adjacent to each other.



LVAD1BO / LVQD1BO



LVLD1BO



LVRD1BO



LVGD1BO

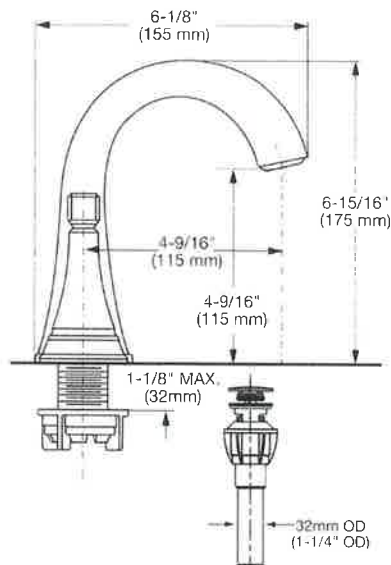
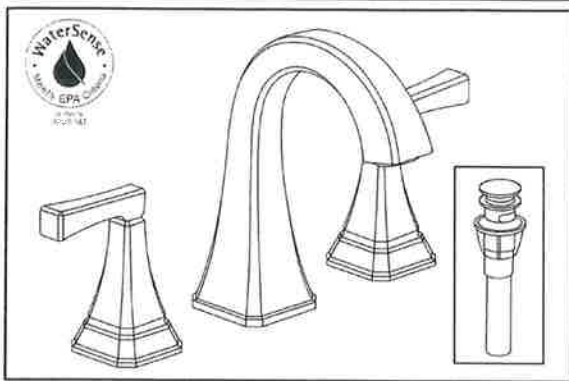


LVSD1BO

Warranty

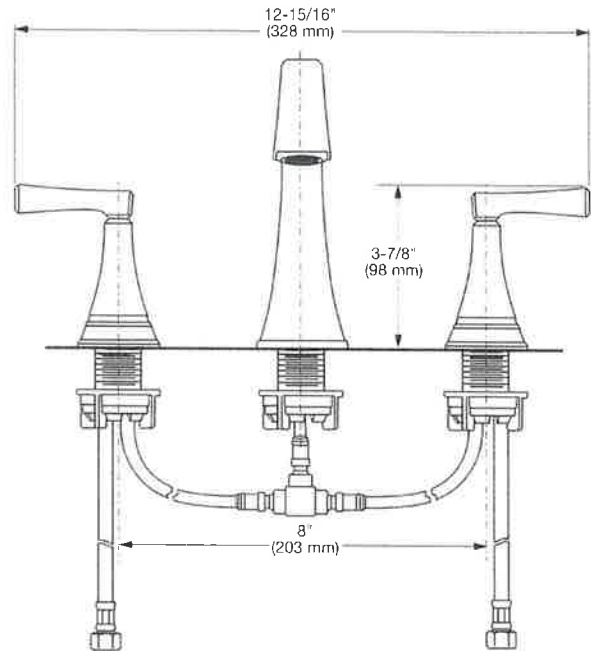
Bradley Company, LLC warrants to commercial and institutional purchasers only, each new Bradley unit to be free from defects in material and workmanship under normal use and service upon the following terms and conditions:

1. This warranty is limited to replacing or repairing, at our option, transportation charges prepaid by the purchaser, any Bradley unit or part thereof, which our inspection shall show to have been defective within the limitations of this warranty.
2. The period during which Bradley units are warranted measured from the date of installation is as follows:
 - Evero material warranted for fifteen years.
 - WashBar warranted for 3 years. Applicable to product ordered on or after 9/5/2023. Product ordered prior to 9/5/2023 warranted for 1 year.
 - Terreon material warranted for ten years.
 - Verge Faucets warranted for 3 years.
 - All other components warranted for one year.
3. This warranty does not cover installation or any other labor charges and does not apply to any units, which have been damaged by accident, abuse, improper installation, improper maintenance, or altered in any way.
4. The replacement or repair of defective plumbing fixture units as stated in this warranty shall constitute the sole remedy of the purchaser and the sole liability of Bradley Company, LLC under this warranty. **BRADLEY COMPANY, LLC SHALL NOT UNDER ANY CIRCUMSTANCES BE LIABLE FOR INCIDENTAL, CONSEQUENTIAL OR INDIRECT DAMAGES CAUSED BY DEFECTS IN BRADLEY PLUMBING FIXTURE UNITS OR ANY DELAY IN THE REPAIR OR REPLACEMENT THEREOF.**
5. This warranty extends only to commercial and institutional purchasers and does not extend to any others, including consumer customers of commercial and institutional purchasers.
6. This warranty does not extend to any product purchased from an unauthorized online seller (meaning any seller offering Bradley products for sale over the internet, other than those resellers identified as "authorized" at bradleycorp.com/national-distributors-and-online-retailers)
7. **THIS WARRANTY IS IN LIEU OF ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OR OTHERWISE.**



MODEL NUMBER:

- 7612807.002 Chrome finish.
- 7612807.295 Brushed Nickel finish.
- 7612807.278 Legacy Bronze finish.
- 7612807.243 Matte Black finish.



Effortless elegance, leading-edge style and thoughtful innovation combine to make American Standard faucets the perfect choice for those who are unwilling to sacrifice style for performance.

GENERAL DESCRIPTION:

Non-metal valve bodies with reinforced brass sleeves and flexible hose connections for 6" to 12" (152 to 305 mm) installations. 1/4 turn washerless ceramic disc valve cartridges. Brass push pop-up drain. Drain body with 1-1/4 inch (32 mm) tail piece. 1.2 gpm/4.5 L/min. maximum flow rate.

PRODUCT FEATURES:

Brass Push Pop-Up Drain: Easy to install, operate and remove clogs

Metal Construction: Built for durability and dependability
Ceramic Disc Valve Cartridges: Lifetime of drip-free performance

Limited Lifetime Warranty: Reliable function, lustrous finish for life

WaterSense Certified: Saves water without sacrificing performance

Choice of Finishes: Chrome, Brushed Nickel, Legacy Bronze or Matte Black



Easily Snaps Together for Watertight Connection
SPEED CONNECT® HOSES

Reliable For Life



Easy Install Push Drain
EASY TO INSTALL, OPERATE, AND REMOVE CLOGS

Reliable For Life



Pre-assembled Handles
JUST DROP-IN AND CONNECT

Reliable For Life

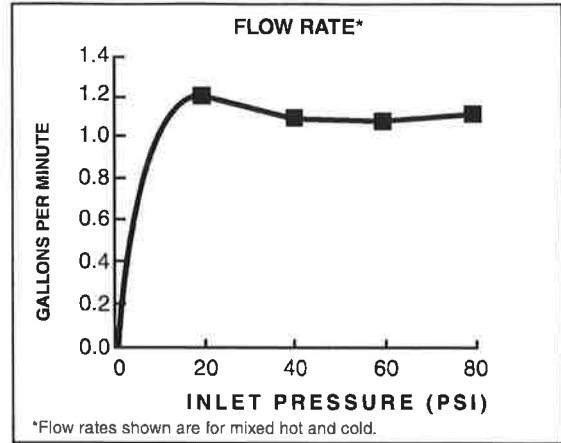
SUGGESTED SPECIFICATION:

2-Handle widespread bath faucet shall feature metal spout. Shall also feature 1/4 turn washerless ceramic disc valve cartridges. Shall also feature Speed Connect Installation System. Shall also feature a brass push pop-up drain body. Fitting shall be American Standard Model # 7612807.002, 7612807.295, 7612807.278, 7612807.243.

CODES AND STANDARDS

These products meet or exceed the following codes and standards:

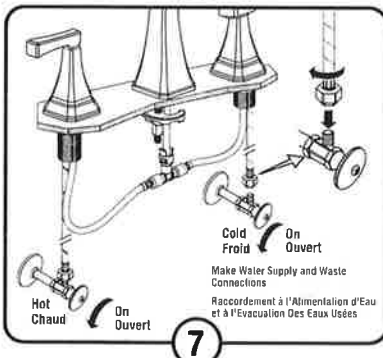
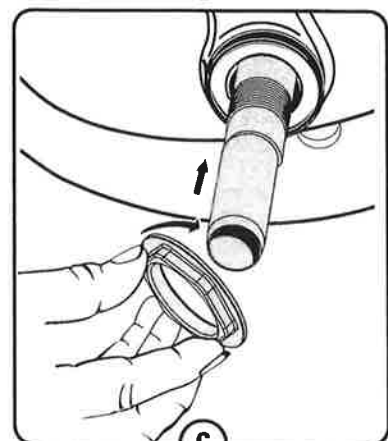
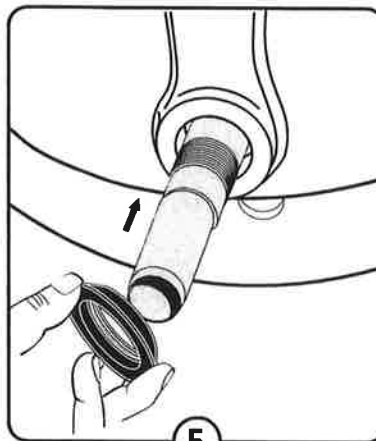
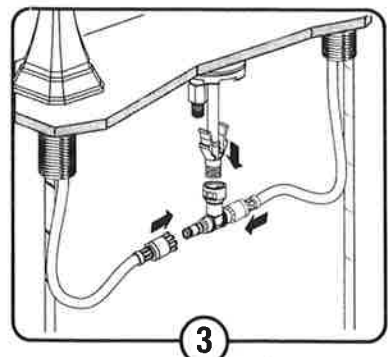
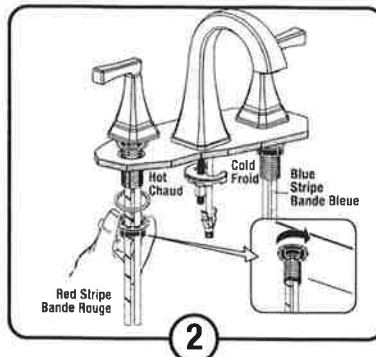
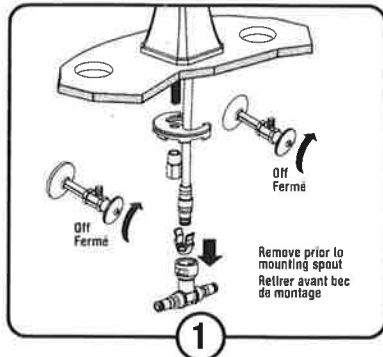
- ANSI A117.1**
- ASME A112.18.1**
- CSA B125.1**
- NSF 61/Section 9**
- NSF 372**



Product Number	Description
7612807.002	Widespread lavatory. Metal lever handles. Brass push pop-up drain. Chrome finish.
7612807.295	Widespread lavatory. Metal lever handles. Brass push pop-up drain. Brushed Nickel finish.
7612807.278	Widespread lavatory. Metal lever handles. Brass push pop-up drain. Legacy Bronze finish.
7612807.243	Widespread lavatory. Metal lever handles. Brass push pop-up drain. Matte Black finish.

ADA Meets the American Disabilities Act Guidelines
ANSI A117.1 Requirements for the physically challenged.

Instructions d'installation



Care and Cleaning:

DO: Simply rinse the product clean with clear water, dry with a soft cotton flannel cloth.

Do Not: Clean the product with **snapo, acid, polish, abrasives, harsh cleaners, or a cloth with a coarse surface.**

Instructions d'Entretien:

À FAIRE: simplement rincer le robinet avec de l'eau propre, sécher avec un chiffon doux en coton.

À NE PAS FAIRE: nettoyer avec des savons, de l'acide, des produits à polir, des détergents abrasifs ou un chiffon à gros grains.

Recommended Tools Outils nécessaires

Note: Supplies and P-Trap not included and must be purchased separately.

Remarque: des tuyaux, siphon en p ou des arrondies (non inclus) peuvent être achetés séparément.



Service

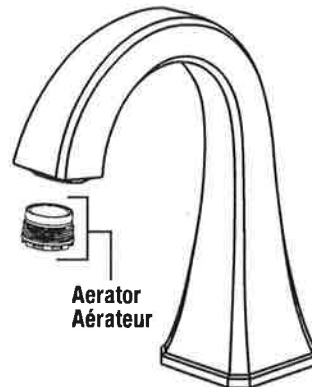
If Faucet Drips, Proceed As Follows:

- Turn HANDLES to OFF position.
- If spout drips, operate HANDLES several times from OFF to ON position. Do not force HANDLES they turn only 90°.
- AERATOR may accumulate dirt causing distorted and reduced water flow. Unthread the AERATOR with a coin, flat head screwdriver, or other similar tool and rinse clean.

Entretien

Si le robinet goutte, procéder comme suit:

- Mettre la poignée sur la position fermée.
- Si le robinet goutte, actionner les poignées à plusieurs reprises en alternant les positions fermée et ouverte. Ne pas forcer - les poignées ne tournent qu'à 90°.
- AÉRATEUR : peut s'accumuler saleté causant déformée ainsi qu'un débit d'eau réduit. Défiletez l'AÉRATEUR avec une pièce de monnaie, un tournevis plat ou un autre outil similaire et rincez-le.



Parts/Assembly

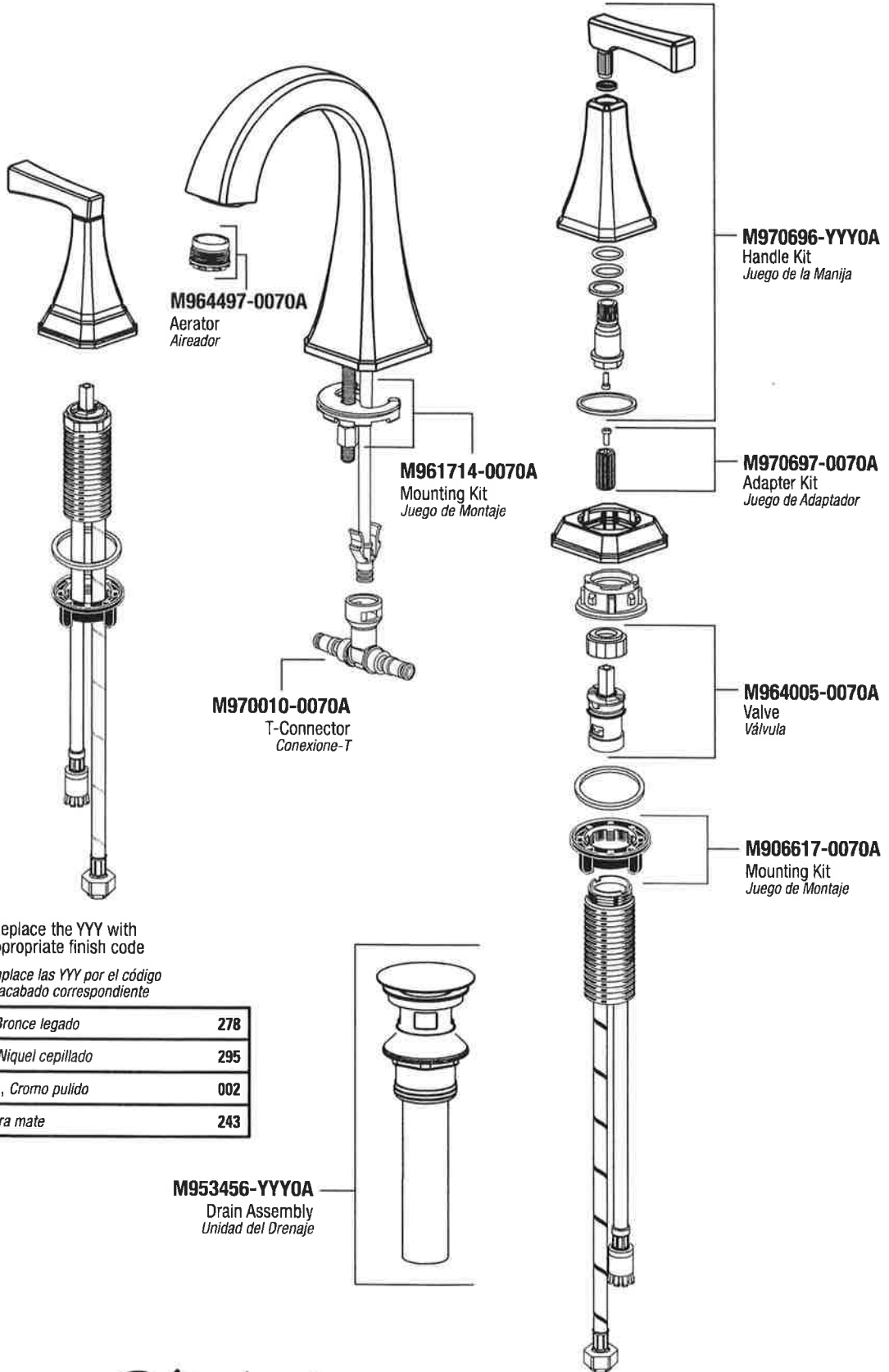
Unidad/de Partes

Crawford™

8" Widespread Faucet

8" Llave Mezcladora para Lavabo Extendido

7612807



Legacy Bronze, <i>Bronce legado</i>	278
Brushed Nickel, <i>Niquel cepillado</i>	295
Polished Chrome, <i>Cromo pulido</i>	002
Matte Black, <i>Negra mate</i>	243

American Standard



AS AMERICA, INC. ONE YEAR LIMITED WARRANTY FOR COMMERCIAL FIXTURES

COMMERCIAL

If inspection of this AS America, Inc. ("American Standard®") plumbing product, within one year after its initial purchase, confirms that it is defective in materials or workmanship, American Standard will repair or, at its option, exchange the product for a similar model. For this warranty to become effective, the warranty registration process must be completed via the internet or telephone per the warranty registration instructions.

If the commercial fixture is purchased with a matching American Standard flush valve, American Standard will extend the warranty for the commercial fixture to five years. Proof of purchase is required and must show that the commercial fixture and flush valve are purchased together and in the same proof of purchase document.

This warranty applies only to the original owner and the original installation of these products. In the event of a warranty claim, proof of purchase will be required – **save your sales receipt**. This warranty is non-transferable to subsequent purchasers or owners. The sole exception to the non-transferability of this warranty is that if this product is purchased by a plumber, contractor or other service provider, this warranty extends to the first property owner on whose behalf the product was purchased for installation.

Because American Standard cannot control the quality of products sold by unauthorized sellers, this warranty applies only to American Standard products which were purchased from American Standard or an American Standard authorized seller, unless otherwise prohibited by law. American Standard reserves the right to reject warranty claims from purchasers for products purchased from unauthorized sellers, including unauthorized Internet sites.

This warranty does not apply to local building code compliance. Since local building codes vary considerably, the purchaser of this product should check with a local building or plumbing contractor to ensure local code compliance before installation. This warranty does not cover deterioration through normal wear and tear and the expense of normal maintenance.

This warranty is void if the product has been moved from its initial place of installation; if it has been subjected to faulty maintenance, abuse, misuse, accident or other damages; if it was not installed in accordance with American Standard's instructions; or if it has been modified in a manner inconsistent with the product as shipped by American Standard.

American Standard's option to repair or exchange the product under this warranty does not cover any labor or other costs of removal or installation. **IN NO EVENT WILL AMERICAN STANDARD BE LIABLE FOR THE COST OF REPAIR OR REPLACEMENT OF ANY INSTALLATION MATERIALS, INCLUDING BUT NOT LIMITED TO, TILES, MARBLE, ETC. AMERICAN STANDARD WILL NOT BE RESPONSIBLE FOR ANY OTHER INCIDENTAL OR CONSEQUENTIAL DAMAGES ATTRIBUTABLE TO A PRODUCT DEFECT OR TO THE REPAIR OR EXCHANGE OF A DEFECTIVE PRODUCT, ALL OF WHICH ARE EXPRESSLY EXCLUDED FROM THIS WARRANTY.** Some States do not allow the exclusion or limitation of incidental or consequential damages, so this limitation or exclusion may not apply to you. **ANY IMPLIED WARRANTIES, INCLUDING THOSE OF MERCHANTABILITY OR FITNESS FOR AN INTENDED PURPOSE, ARE LIMITED IN DURATION TO THE DURATION OF THIS WARRANTY.** Some States do not allow limitations on how long an implied warranty lasts, so this limitation may not apply to you.

This warranty gives you specific legal rights, and you may also have other rights which vary from State to State.

Obtaining Warranty Service

If you believe that you have a warranty claim, contact American Standard, either through an authorized AS America, Inc. dealer or re-seller, by writing to the addresses below, or visiting the website below:

In the United States

AMERICAN STANDARD BRANDS

30 Knightsbridge Road, Suite 301,
Piscataway, NJ 08854

Attn: Director of Consumer Affairs

For residents of the United States, warranty information may also be obtained by calling the following toll free number:

(800) 442-1902

www.americanstandard.com

In Canada

LIXIL CANADA INC.

5900 Avebury Road
Mississauga, Ontario
Canada L5R 3M3

Toll Free: (800) 387-0369

www.americanstandard.ca

In Mexico

AMERICAN STANDARD B&K MEXICO

S. de R.L. de C.V.

Via Morelos #330

Col. Santa Clara

Ecatepec 55540 Edo. Mexico

Toll Free: 01-800-839-1200

www.americanstandard.com

Please be sure to provide all pertinent information regarding your claim, including your sales receipt, a complete description of the problem, the product, model number, color, finish, purchase date, and from whom the product was purchased.

For other information, or to obtain the name and address of the service and repair facility nearest you, call (800) 442-1902 (in the United States); (800) 387-0369 (in Canada) and 01-800-839-1200 (in Mexico).

Effective Date: July 1, 2020

P-7

OLNEY CONSOLE SINK WITH WOOD STAND - LIGHT ASH

SKU: 483748
Code: SH483748



FEATURES

Installation Type: Wall Mount
Product Finish: Light Ash
Material: Wood
Width: 39-1/2"
Height: 31-1/2"
Depth: 18-1/8"
Assembly Required: Yes
Dovetail Drawers: No
Number of Basins: 1
Sink Installation: Integral
Basin Length: 19-1/2"
Basin Width: 11-3/4"
Water Depth To Overflow: 3-1/2"
Fits Drain Hole Size: 1-3/4"
Faucet Included: No
Sink Material: Porcelain
Built-In Adjusters: Yes
Sink Included: Yes
Sink Color: White
Basin Overflow: Yes
Backsplash: No
Mirror Included: No
Weight: 107

ASME A112.19.2/CSA B45.1
Massachusetts Accepted



C

REVISED 12/30/2022

OLNEY CONSOLE SINK WITH WOOD STAND - LIGHT ASH

SKU: 483748
Code: SH483748



ADDITIONAL FEATURES

- Wooden Console
- Console Stand comes with leveling feet.
- Console sink included.
- [Wood finish samples available.](#)

REVISED 12/30/2022

METAL STAND

SOPORTE DE METAL

SUPPORT MÉTALLIQUE

SKU: 565541, 565542

BEFORE YOU BEGIN

We recommend consulting a professional if you are unfamiliar with installing plumbing fixtures. Signature Hardware accepts no liability for any damage to the faucet, plumbing, sink, counter top, or for personal injury during installation.

Observe all local plumbing and building codes. Unpack and inspect the product for shipping damage. If any damage is found, contact our Customer Relations team via live chat at www.signaturehardware.com or by emailing support@signaturehardware.com.

ANTES DE COMENZAR

Le recomendamos que consulte a un profesional si no sabe cómo instalar accesorios de plomería. Signature Hardware no asume ninguna responsabilidad con respecto a los daños causados al inodoro, sistema de plomería, suelo o daños personales durante la instalación.

Cumpla con todas las normas locales de plomería y construcción.

Desempaque e inspeccione el producto para determinar si tiene daños por el envío. Si tiene daños, comuníquese con nuestro equipo de Relaciones con el Cliente por chat en directo en www.signaturehardware.com o por correo electrónico a support@signaturehardware.com.

AVANT DE COMMENCER

Nous vous recommandons de consulter un professionnel si vous n'avez pas d'expérience dans l'installation d'appareils de plomberie. Signature Hardware décline toute responsabilité en cas de dommage au robinet, à la plomberie, à l'évier, au comptoir ou de blessure corporelle lors de l'installation.

Respectez tous les codes locaux de plomberie et de construction.

Déballez et inspectez le produit pour vérifier qu'il n'a pas été endommagé pendant le transport. Si un dommage est constaté, communiquez avec notre équipe des relations avec la clientèle au www.signaturehardware.com ou par mailsupport@signaturehardware.com.

GETTING STARTED

Ensure that you have gathered all the required materials that are needed for the installation.

CÓMO COMENZAR

Asegúrese de haber reunido todos los materiales necesarios para la instalación.

PREMIERS PAS

Assurez-vous d'avoir réuni tout le matériel nécessaire à l'installation.

ADDITIONAL QUESTIONS?

Still need help? Check out our Help Center at www.signaturehardware.com for product and warranty information, or contact us through live chat or by emailing support@signaturehardware.com.

¿MÁS PREGUNTAS?

Todavía necesita ayuda. Consulte nuestro Centro de Ayuda en www.signaturehardware.com para obtener información de productos y garantías o comuníquese con nosotros por chat directo o enviando un correo electrónico a support@signaturehardware.com.

D'AUTRES QUESTIONS?

Si vous avez encore besoin de l'aide, Veuillez consultez notre centre d'aide à l'adresse www.signaturehardware.com pour obtenir des informations sur les produits et la garantie ou veuillez nous contacter par clavardage en direct ou par courriel à l'adresse support@signaturehardware.com.

OLNEY

METAL STAND

SOPORTE DE METAL

SUPPORT MÉTALLIQUE

SKU: 565541, 565542

TOOLS AND MATERIALS: HERRAMIENTAS Y MATERIALES: OUTILS ET MATÉRIEL :



Drill
Taladro
Perceuse



Tape Measure
Cinta métrica
Ruban à mesurer



Pencil
Lápiz
Crayon



Level
Nivel
Niveau

INCLUDED HARDWARE HERRAJES INCLUIDO MATÉRIEL INCLUS



M1/4 x 1/2 Bolt = 8 pcs
Perno M1/4 x 1/2 = 8 piezas
M1/4 x 1/2 boulon = 8 pièces



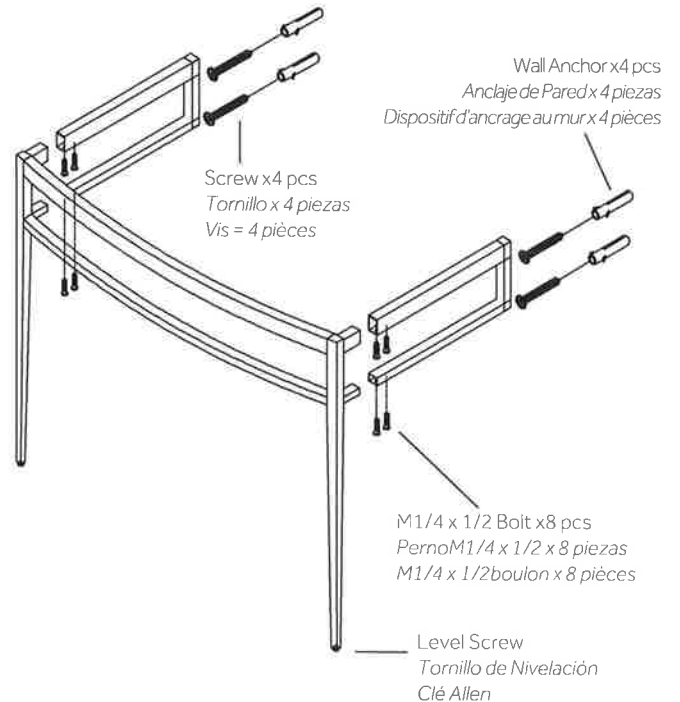
Allen Wrench
Llave Allen
Clé Allen



Screw = 4 pcs
Tornillo = 4 piezas
Vis = 4 pièces



Wall Anchor = 4 pcs
Anclaje de Pared = 4 piezas
Dispositif d'ancrage au mur = 4 pièces



OLNEY

METAL STAND

SOPORTE DE METAL

SUPPORT MÉTALLIQUE

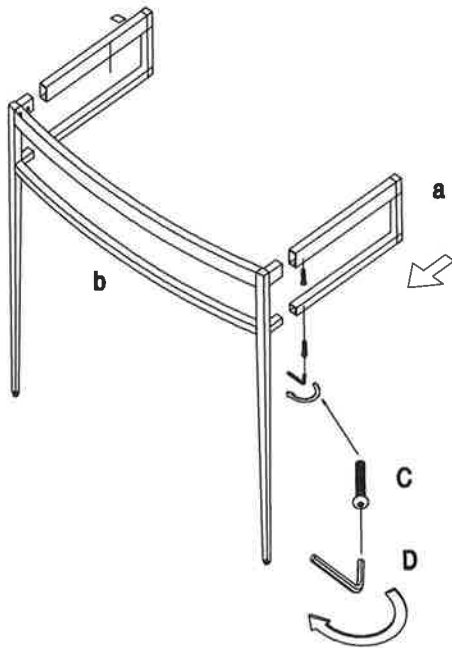
SKU: 565541, 565542

INSTALLATION INSTALACIÓN INSTALLATION

1. Attach top rail to console assembly. Using allen wrench, Secure with provided hardware.

1. Fije el riel superior al conjunto de la consola. Usando una llave Allen, asegure 1. Fije el riel superior al conjunto de la consola. Usando la llave Allen, asegure con los accesorios que se incluyen.

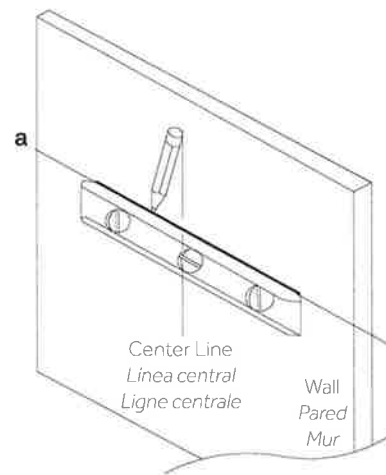
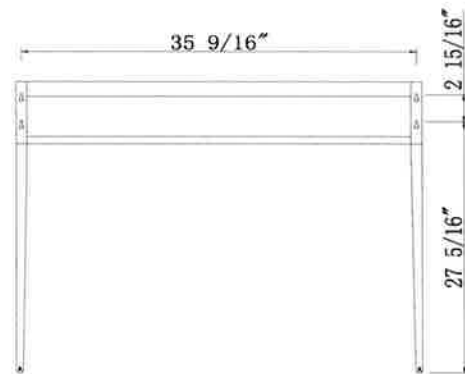
1. Fixer le rail supérieur à l'ensemble console. Fixer 1 à l'aide d'une clé Allen. Fixer le rail supérieur à l'ensemble console. À l'aide d'une clé Allen, le fixer à l'aide du matériel fourni.



2. Place console stand in mounting location. Mark center of mounting points on wall.

2. Coloque el soporte de la consola en el lugar de montaje. Marque el centro de los puntos de montaje en la pared.

2. Placer le support de la console à l'emplacement de montage. Marquer le centre des points de montage sur le mur.



OLNEY

METAL STAND

SOPORTE DE METAL

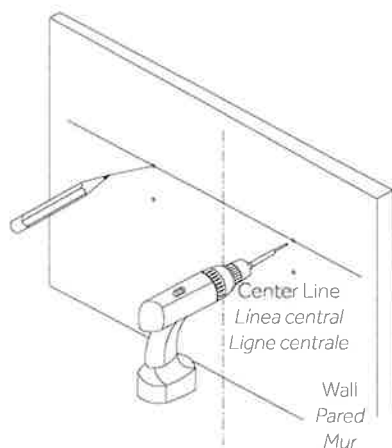
SUPPORT MÉTALLIQUE

SKU: 565541, 565542

3. Drill pilot holes in marked locations on wall, insert wall anchors into mounting holes.

3. Perfore agujeros guía en los lugares marcados en la pared. Inserte los anclajes de pared en los agujeros de montaje.

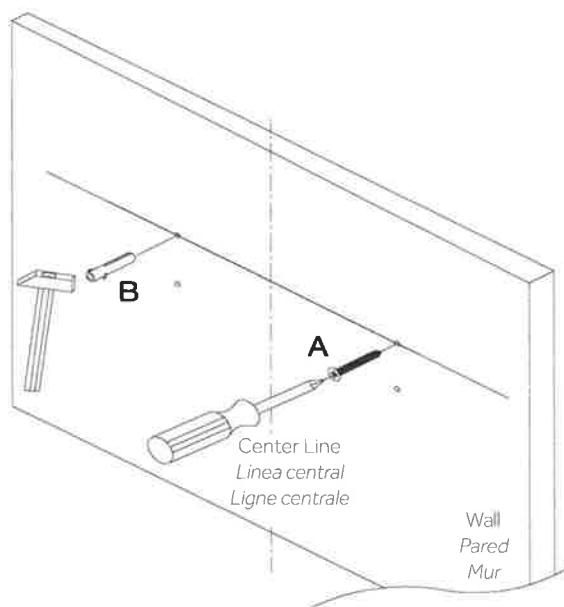
3. Percer des trous de guidage aux emplacements marqués sur le mur. Insérer les dispositifs d'ancrage au mur dans les trous de montage.



4. Attach mounting blocks to bottom mounting hole. Using drill, secure to wall with provided hardware.

4. Coloque los bloques de montaje en el orificio de montaje inferior. Con el taladro fije a la pared con los accesorios suministrados.

4. Fixer les blocs de montage au trou de montage inférieur. À l'aide d'une perceuse, les fixer au mur à l'aide du matériel fourni.



OLNEY

METAL STAND

SOPORTE DE METAL

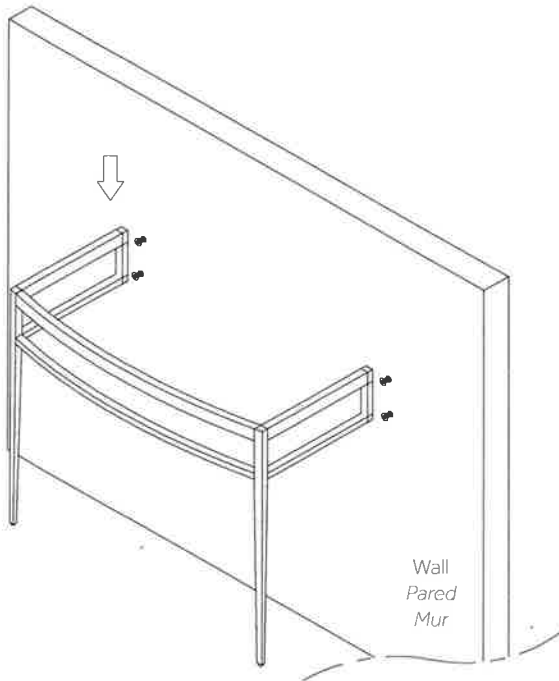
SUPPORT MÉTALLIQUE

SKU: 565541, 565542

5. Slide side rails in to position on mounting block. Using a drill, secure top rail to wall using provided hardware.

5. Deslice los rieles laterales hasta su posición en el bloque de montaje. Con el taladro asegure el riel superior a la pared utilizando los accesorios incluidos.

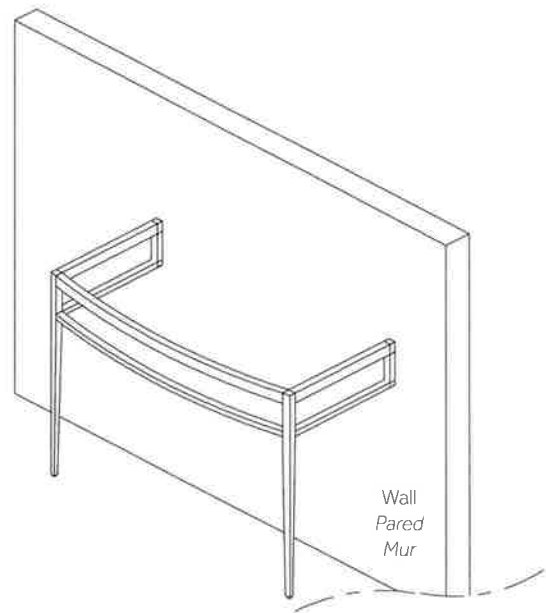
5. Faire glisser les rails latéraux vers l'intérieur pour les positionner sur le bloc de montage. À l'aide d'une perceuse, fixer le rail supérieur au mur à l'aide du matériel fourni.



6. Using allen wrench, secure slide rail to mounting block with provided hardware.

6. Usando una llave Allen, asegure el riel de deslizamiento al bloque de montaje con los accesorios que se suministran.

6. À l'aide d'une clé Allen, fixer le rail coulissant au bloc de montage à l'aide du matériel fourni.





- SIGNATURE HARDWARE >
- FREQUENTLY ASKED QUESTIONS >
- GENERAL

FEBRUARY 17, 2023

Quality Guarantee

our guarantee

We proudly stand behind our products and are committed to doing things the right way. So, if you need anything, contact us.

product warranty policy

All products are warranted to the original owner to be free of manufacturing and mechanical non-conformance from the date of the original purchase. If a product is found to be non-conformant, we will provide a replacement part or product, or make the appropriate adjustment.

Normal wear and tear from daily

★ ARTICLES IN THIS SECTION

RETURNS

QUALITY GUARANTEE

WHAT IS A LIVING FINISH?

DOES SIGNATURE HARDWARE PARTICIPATE IN SOCIAL MEDIA?

WHAT IS CALIFORNIA PROPOSITION 65?

HOW DO I CANCEL OR CHANGE AN ORDER?

HOW LONG WILL THE PRODUCT I WANT BE OUT OF STOCK?

HOW DO I CONTACT CUSTOMER SERVICE?

Chat

use is not covered. For example, the look of materials such as copper, bronze, nickel, teak, and bamboo without a protective varnish or finish can be expected to naturally change over time and with normal use. Other exclusions include damages incurred as a result of installation, replacement, or repair, and damages due to improper cleaning, misuse, or neglect. This warranty does not cover products installed outside of the United States and Canada.

If the product is used commercially or in a multi-unit setting, Signature Hardware warrants the product to be free of manufacturing and mechanical non-conformance within five years from the date the product is delivered.

five-year warranty list:

- Products with
Electrical
Components

- Air Tubs

- Smart
Toilets and
Electronic Bidet
Seats

• Lighting,
Mirrors,
Medicine
Cabinets

• Plumbing
Parts, Drains &
Supplies

• Toilet Seats

• Outdoor
Items

• Commercial
and Multi-Unit
Applications

ten-year warranty list:

• Shower Rods,
Shower
Curtains &
Bathroom
Accessories

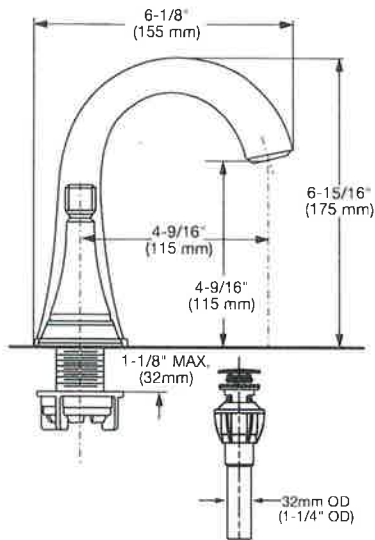
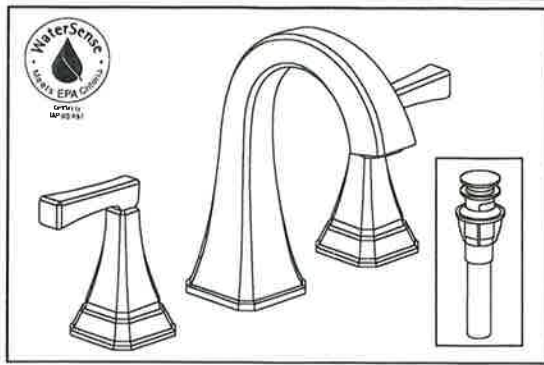
- Hardware

*twenty-five-year warranty
list:*

- Sinks
- Faucets
- Vanities
- Tubs (Non-Air/Whirlpool)
- Showering
- Toilets

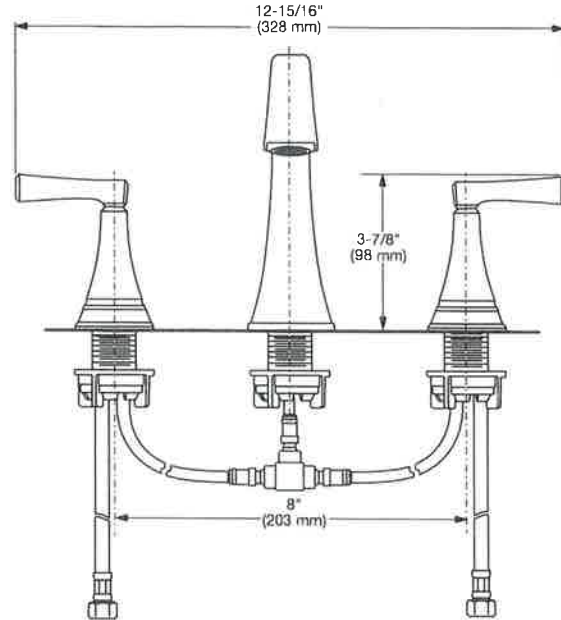
If your product is damaged in shipping, please contact our [customer relations](#) team immediately upon receipt.

Was this article helpful?



MODEL NUMBER:

- 7612807.002 Chrome finish.
- 7612807.295 Brushed Nickel finish.
- 7612807.278 Legacy Bronze finish.
- 7612807.243 Matte Black finish.



Effortless elegance, leading-edge style and thoughtful innovation combine to make American Standard faucets the perfect choice for those who are unwilling to sacrifice style for performance.

GENERAL DESCRIPTION:

Non-metal valve bodies with reinforced brass sleeves and flexible hose connections for 6" to 12" (152 to 305 mm) installations. 1/4 turn washerless ceramic disc valve cartridges. Brass push pop-up drain. Drain body with 1-1/4 inch (32 mm) tail piece. 1.2 gpm/4.5 L/min. maximum flow rate.

PRODUCT FEATURES:

Brass Push Pop-Up Drain: Easy to install, operate and remove clogs

Metal Construction: Built for durability and dependability
Ceramic Disc Valve Cartridges: Lifetime of drip-free performance

Limited Lifetime Warranty: Reliable function, lustrous finish for life

WaterSense Certified: Saves water without sacrificing performance

Choice of Finishes: Chrome, Brushed Nickel, Legacy Bronze or Matte Black



Easily Snaps Together for Watertight Connection
SPEED CONNECT HOSES

Reliable For Life



Easy Install Push Drain
EASY TO INSTALL, OPERATE, AND REMOVE CLOGS

Reliable For Life



Pre-assembled Handles
JUST DROP-IN AND CONNECT

Reliable For Life

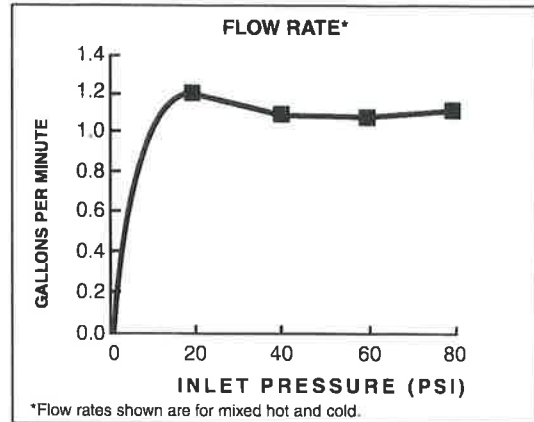
SUGGESTED SPECIFICATION:

2-Handle widespread bath faucet shall feature metal spout. Shall also feature 1/4 turn washerless ceramic disc valve cartridges. Shall also feature Speed Connect Installation System. Shall also feature a brass push pop-up drain body. Fitting shall be American Standard Model # 7612807.002, 7612807.295, 7612807.278, 7612807.243.

CODES AND STANDARDS

These products meet or exceed the following codes and standards:

- ANSI A117.1**
- ASME A112.18.1**
- CSA B125.1**
- NSF 61/Section 9**
- NSF 372**



Product Number	Description
7612807.002	Widespread lavatory. Metal lever handles. Brass push pop-up drain. Chrome finish.
7612807.295	Widespread lavatory. Metal lever handles. Brass push pop-up drain. Brushed Nickel finish.
7612807.278	Widespread lavatory. Metal lever handles. Brass push pop-up drain. Legacy Bronze finish.
7612807.243	Widespread lavatory. Metal lever handles. Brass push pop-up drain. Matte Black finish.

 Meets the American Disabilities Act Guidelines
ANSI A117.1 Requirements for the physically challenged.

Parts/Assembly

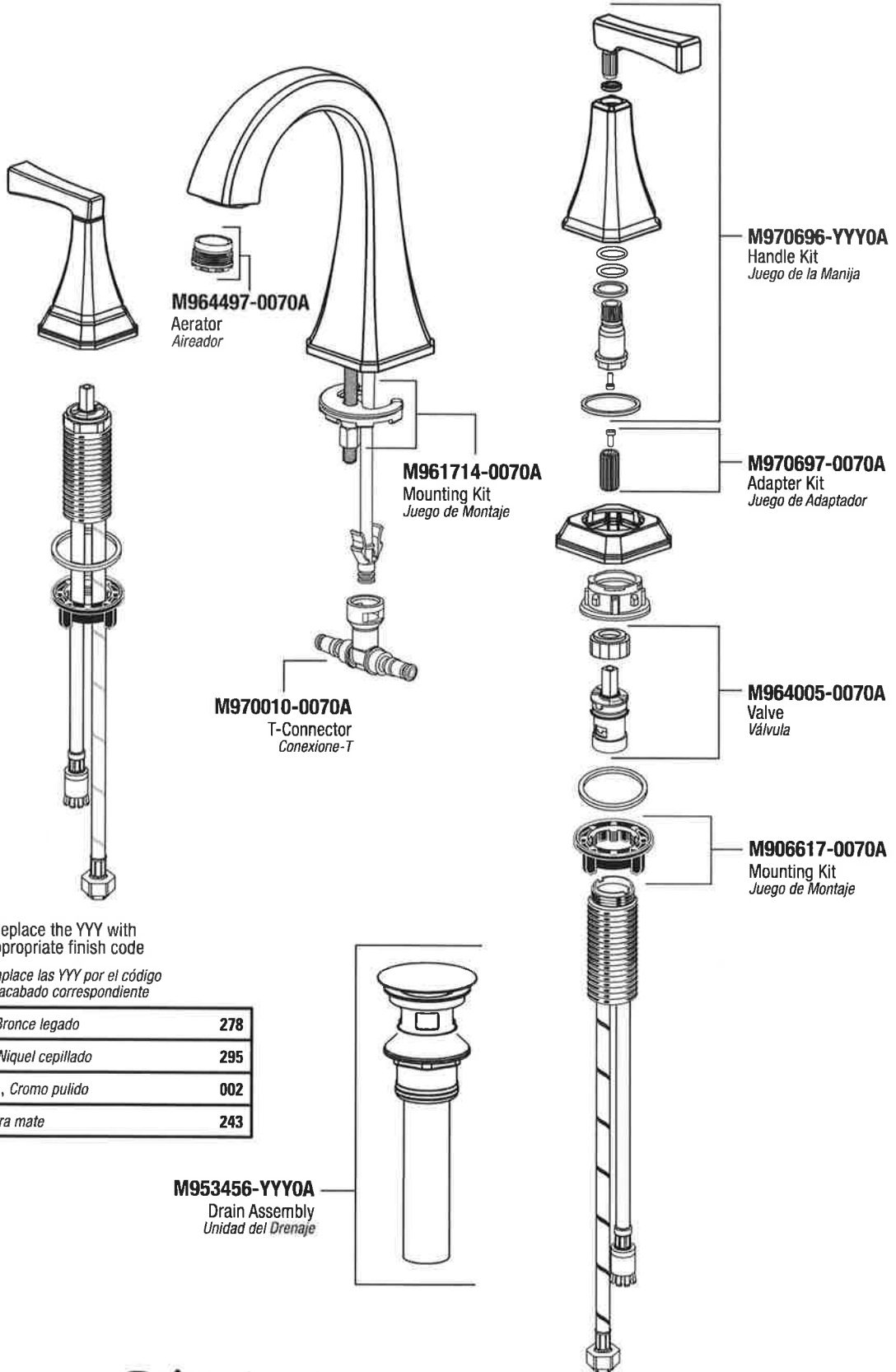
Unidad/de Partes

Crawford™

8" Widespread Faucet

8" Llave Mezcladora para Lavabo Extendido

7612807



Replace the YYY with
Appropriate finish code

Reemplace las YYY por el código
de acabado correspondiente

Legacy Bronze, <i>Bronce legado</i>	278
Brushed Nickel, <i>Niquel cepillado</i>	295
Polished Chrome, <i>Cromo pulido</i>	002
Matte Black, <i>Negra mate</i>	243

American Standard



AS AMERICA, INC. ONE YEAR LIMITED WARRANTY FOR COMMERCIAL FIXTURES

COMMERCIAL

If inspection of this AS America, Inc. ("American Standard®") plumbing product, within one year after its initial purchase, confirms that it is defective in materials or workmanship, American Standard will repair or, at its option, exchange the product for a similar model. For this warranty to become effective, the warranty registration process must be completed via the internet or telephone per the warranty registration instructions.

If the commercial fixture is purchased with a matching American Standard flush valve, American Standard will extend the warranty for the commercial fixture to five years. Proof of purchase is required and must show that the commercial fixture and flush valve are purchased together and in the same proof of purchase document.

This warranty applies only to the original owner and the original installation of these products. In the event of a warranty claim, proof of purchase will be required – **save your sales receipt**. This warranty is non-transferable to subsequent purchasers or owners. The sole exception to the non-transferability of this warranty is that if this product is purchased by a plumber, contractor or other service provider, this warranty extends to the first property owner on whose behalf the product was purchased for installation.

Because American Standard cannot control the quality of products sold by unauthorized sellers, this warranty applies only to American Standard products which were purchased from American Standard or an American Standard authorized seller, unless otherwise prohibited by law. American Standard reserves the right to reject warranty claims from purchasers for products purchased from unauthorized sellers, including unauthorized Internet sites.

This warranty does not apply to local building code compliance. Since local building codes vary considerably, the purchaser of this product should check with a local building or plumbing contractor to ensure local code compliance before installation. This warranty does not cover deterioration through normal wear and tear and the expense of normal maintenance.

This warranty is void if the product has been moved from its initial place of installation; if it has been subjected to faulty maintenance, abuse, misuse, accident or other damages; if it was not installed in accordance with American Standard's instructions; or if it has been modified in a manner inconsistent with the product as shipped by American Standard.

American Standard's option to repair or exchange the product under this warranty does not cover any labor or other costs of removal or installation. **IN NO EVENT WILL AMERICAN STANDARD BE LIABLE FOR THE COST OF REPAIR OR REPLACEMENT OF ANY INSTALLATION MATERIALS, INCLUDING BUT NOT LIMITED TO, TILES, MARBLE, ETC. AMERICAN STANDARD WILL NOT BE RESPONSIBLE FOR ANY OTHER INCIDENTAL OR CONSEQUENTIAL DAMAGES ATTRIBUTABLE TO A PRODUCT DEFECT OR TO THE REPAIR OR EXCHANGE OF A DEFECTIVE PRODUCT, ALL OF WHICH ARE EXPRESSLY EXCLUDED FROM THIS WARRANTY.** Some States do not allow the exclusion or limitation of incidental or consequential damages, so this limitation or exclusion may not apply to you. **ANY IMPLIED WARRANTIES, INCLUDING THOSE OF MERCHANTABILITY OR FITNESS FOR AN INTENDED PURPOSE, ARE LIMITED IN DURATION TO THE DURATION OF THIS WARRANTY.** Some States do not allow limitations on how long an implied warranty lasts, so this limitation may not apply to you.

This warranty gives you specific legal rights, and you may also have other rights which vary from State to State.

Obtaining Warranty Service

If you believe that you have a warranty claim, contact American Standard, either through an authorized AS America, Inc. dealer or re-seller, by writing to the addresses below, or visiting the website below:

In the United States

AMERICAN STANDARD BRANDS

30 Knightsbridge Road, Suite 301,
Piscataway, NJ 08854

Attn: Director of Consumer Affairs

For residents of the United States, warranty information may also be obtained by calling the following toll free number:

(800) 442-1902

www.americanstandard.com

In Canada

LIXIL CANADA INC.

5900 Avebury Road
Mississauga, Ontario
Canada L5R 3M3

Toll Free: (800) 387-0369

www.americanstandard.ca

In Mexico

AMERICAN STANDARD B&K MEXICO

S. de R.L. de C.V.

Via Morelos #330

Col. Santa Clara

Ecatepec 55540 Edo. Mexico

Toll Free: 01-800-839-1200

www.americanstandard.com

Please be sure to provide all pertinent information regarding your claim, including your sales receipt, a complete description of the problem, the product, model number, color, finish, purchase date, and from whom the product was purchased.

For other information, or to obtain the name and address of the service and repair facility nearest you, call (800) 442-1902 (in the United States); (800) 387-0369 (in Canada) and 01-800-839-1200 (in Mexico).

Effective Date: July 1, 2020



a Bead Industries, Inc. company

Warranty, Terms and Return Policies

TERMS: All sales are subject to credit approval. Terms are 2% ten days – net 30.

RETURNED GOODS: Requests for returning purchased items are subject to factory approval.

A Returned Goods Authorization (RGA) must be obtained from the factory prior to any return. Returned merchandise must be in their original cartons, listed in our current List Price Sheet and in clean saleable condition.

Restocking charge:

- Material that was shipped within 18 months of the return request is subject to a 25% restocking charge.
- Material that was shipped more than 18 months of the return request but less than 3 years is subject to a 50% restocking charge.
- Material returned more than 18 months after it was shipped is not subject to any stock rotation agreement.
- Material that was shipped more than 3 years before the return request is not returnable.
- Invoice dates as well as dates on packaging will control.

The restocking charge may be reduced if a new order of equal value is placed at the time the RGA is requested:

- 25% may be reduced to 15%
- 50% may be reduced to 35%

MINIMUM RETURN POLICY:

Return requests less than \$200 net will be charged \$50 processing fee in lieu of any restocking charge.

INVOICE:

We reserve the right to invoice all merchandise at prices in effect at time of shipment.

NO MINIMUM ORDER:

Orders less than \$200 list will be invoiced at list price less 35% (.65 multiplier).

McGuire Manufacturing Co., Inc.

60 grandview court • cheshire • ct • 06410

tel 203-699-1801 • fax 203-699-1813

mcguiremfg.com

customerservice@mcguiremfg.com

FREIGHT:

We will pay freight on shipments within the continental United States when the order (pre-tax) totals more than \$2200 net. We select the method of shipment and carrier when we pay the freight.

Limited Warranty Information

McGuire Manufacturing Co., Inc. (McGuire) warrants its product to be free from defects in material and workmanship for the period indicated below by product type measure from the date of purchase:

ITEM	WARRANTY PERIOD
Brass products	15 years
ProWrap	5 years
Eco P-Traps, Eco Strainers and Valve Strainers	1 year
Stainless Steel products	1 year
Lite Commercial P-Traps	1 year

McGuire's sole responsibility will be to replace, at no additional charge, any product which proves to be defective within the applicable warranty period. Shipping costs for product located outside the continental United States will be the sole responsibility of the customer. Duties and taxes, if levied, shall be the sole responsibility of the customer.

The above Limited Warranty shall not apply if the product has been damaged due to abuse, misuse, improper installation, accident, or other cause not within McGuire's control.

THE ABOVE LIMITED WARRANTY IS THE SOLE AND EXCLUSIVE WARRANTY. ALL OTHER WARRANTIES ARE DISCLAIMED, WHETHER EXPRESSED OR IMPLIED, INCLUDING BUT NOT LIMITED TO, ANY IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. IN NO EVENT SHALL MCGUIRE BE RESPONSIBLE OR LIABLE FOR ANY SPECIAL INCIDENTAL, OR CONSEQUENTIAL DAMAGES OR LOSSES ARISING FROM THE USE OF THIS PRODUCT.

McGuire may, at its option, alter the contents of this LIMITED WARRANTY at anytime. These changes will affect products manufactured after the effective date of this policy.

McGuire Manufacturing Co., Inc.

60 grandview court • cheshire • ct • 06410

tel 203-699-1801 • fax 203-699-1813

mcguiremfg.com

customerservice@mcguiremfg.com

P-8

Attention Installer:

- Elkay recommends that drop-in sinks be installed by a professional, experienced installer.
- Elkay is not responsible for the sink or countertop if damaged during installation.
- Metal edges may be sharp. Use caution when handling.
- Follow all local plumbing and building codes.
- Inspect sink for damage prior to beginning installation.

Required Tools (not included)



Cut Resistant

Installation

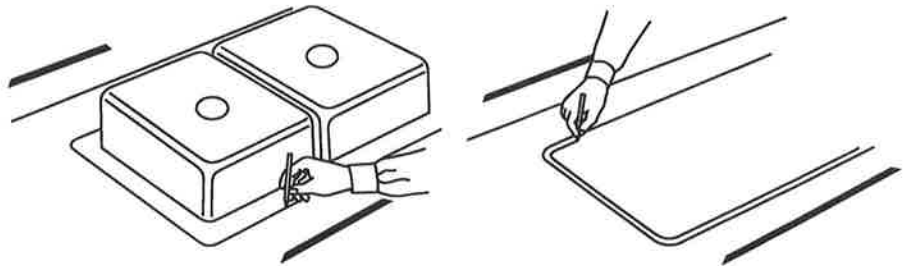


WARNING: Always wear safety goggles and gloves when using power tools or handling the sink to prevent personal injury.

- 1** Position the sink upside down on the countertop.

Trace a line around the edge of the sink.

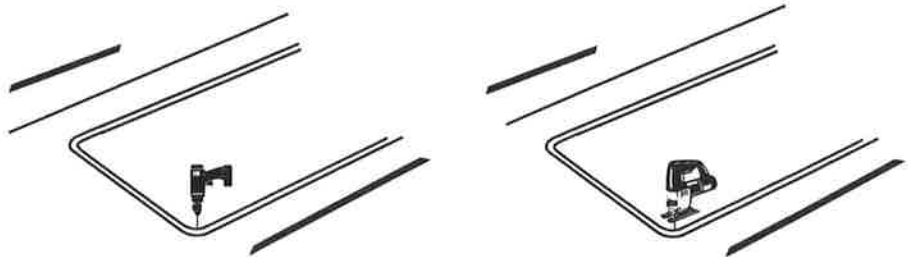
Draw a line 5/16" inside of the outline of the sink.



- 2** Drill a pilot hole in all four corners of the inside line.

Use a saber or jig saw to cut on the inside line.

Place a support underneath the cutout portion of the countertop to prevent it from falling during cutting.



- 3** Apply silicone caulk (not included) around the cutout in the countertop surface.

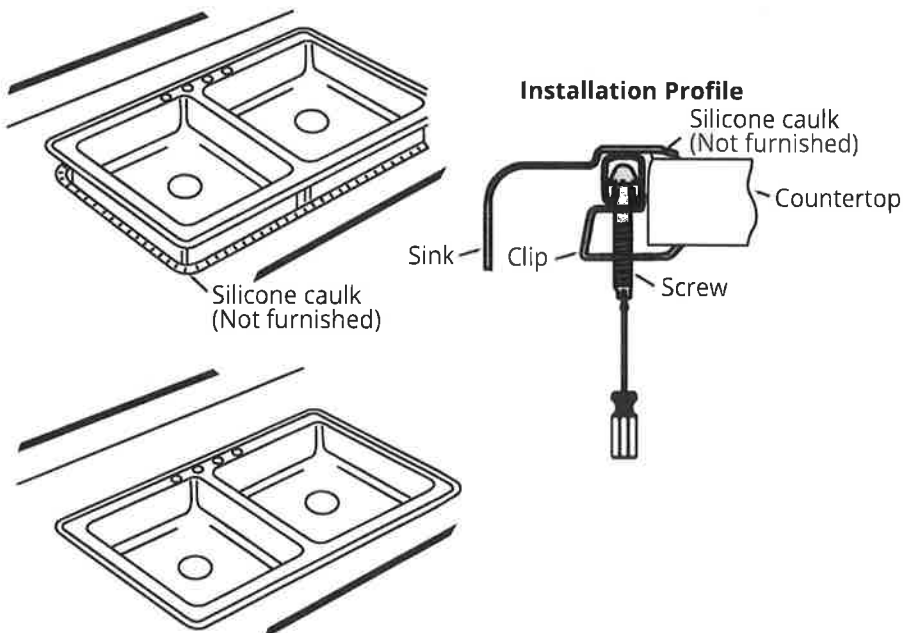
Carefully lower the sink into the cutout.

Assemble the clips and screws.

From the underside, place a clip in the center along each side and hand tighten to hold sink in place. Fasten the remaining clips along the edges and space them approximately 3" from each end, and equally along the front, back, and sides. For countertops thicker than 3/4", clips can be spaced as close as 1-1/2".

From the top, check the seal between the sink edge and countertop. Lightly tighten clips evenly with a screwdriver until the sink is tight to the countertop. Do not over tighten.

Wipe away any excess caulk with a rag.





Elkay Stainless Steel Sink Care and Cleaning

With proper care and maintenance, your Elkay stainless steel sink will give you a lifetime of service. Below are the suggestions for the care and cleaning of your Elkay sink.

General Cleaning

It is recommended to clean Elkay sinks daily to avoid build-up of soap or mineral deposits, as these tend to have an adverse effect on the appearance of the product. For daily cleaning use an ordinary mild detergent and soft cloth to rinse and dry the sink. Allowing water or cleaners to evaporate on metal will negatively impact the look of the sink. To avoid this, it is important to dry the sink after each use.

- To avoid unwanted build-up, it is recommended to dry your sink after each use.
- Soft abrasive cleaners may be used when necessary (Blue Scotch-Brite Pads). Strong abrasive cleaners will scratch and dull the surface (Green Scotch-Brite Pads).

Do's

- It is recommended the use of an Elkay bottom grid or rinsing basket to protect your sink.
- Run cold water when pouring boiling water into sink.
- It is recommended that you clean your sink prior to first use.

Do Not's

- Avoid storing open containers of household cleaners and chemicals containing chloride such as bleach, acid, and drain cleaners or toilet bowl cleaner beneath the sink. Vapor emission from the chlorides can cause corrosion and pitting to the exposed stainless steel and other metals including faucet water supply lines.
- Do not use dish mats as these can trap soap and dirt making sink maintenance more time-consuming and cultivate harmful bacteria.
- Do not leave standing water in your sink, especially if the water contains anything that could stain the sink (i.e. coffee or tea).

Stainless Steel

Light scratches are normal for stainless steel sinks; over time they will blend into the uniform finish pattern.

- Steel soap pads, steel wool, or wire brushes should never be used; particles can adhere to a stainless steel sink surface and will eventually rust. If an abrasive pad must be used Elkay recommends Scotch-Brite Non-Scratch (blue Scotch-Brite pad).
- Do not use cleaners containing ammonia, bleach, or other harsh chemicals. Chemicals containing chlorides (bleach) are particularly damaging to stainless. If used, rinse the surface immediately to prevent corrosion.

Recommended Cleaning Products:

- Bar Keeper's Friend Soft Cleanser
- Stainless steel cleaner & polish
- Or any mild detergent



Elkay Stainless Steel Sink Care and Cleaning

Success with cleaners are dependent on the quality of the water being used. Failure to follow care and cleaning will void your warranty. For additional information, please visit elkay.com.

Home Remedies

- For major stains or grime on your sink, a mixture of a half a cup of white vinegar and a half cup of water will help. Dip a cloth into the solution and rub away the grime or stain. The solution should then be rinsed off and dried to prevent damage to your sink's finish.
- Another solution for major grime or stains, is a small amount of baking soda and water on a toothbrush. This should remove any nasty stains. Again the solution should then be rinsed off and dried to prevent damage to the finish of your sink.

DO NOT allow any part of your Elkay sink to soak in either of the above mixtures. It is also recommended to test the above mixtures on an unseen part of your faucet to see what affect it has to the finish of your sink.



Elkay Residential Stainless Sinks Limited Warranty

Elkay warrants to the original purchaser of an Elkay stainless steel sink that Elkay will, at its option, replace or repair, without charge, such product if it fails due to a manufacturing defect during normal residential use during the first year from the date of purchase. Product replacement does not include transportation cost or labor installation cost. This warranty covers only stainless steel self-rimming drop-in sinks installed in a conventional countertop surface and stainless steel undermount sinks installed in a conventional solid surface countertop and applies to residential installations only. Elkay reserves the right to examine product in question and its installation prior to replacement.

Waste fittings and accessories are warranted for 1 year from the date of purchase.

Other Warranty Conditions on Sinks

Our warranty does not cover product failure or damage caused by the use of optional accessories, abusive treatment, misuse, environmental factors, normal wear including dents and scratches, improper care and cleaning, use of aggressive and abrasive cleaners, damage due to handling or failure to follow the recommended procedures for installation, care and maintenance as detailed in the installation and care guide provided with every sink. This warranty is extended only to the original consumer purchaser of the product.

This warranty does not cover shipping costs, labor costs, or any other charges for such items as installation or replacement of the sink, diagnosis or replacement of any faucet or component part, or any other expense or loss. This warranty does not cover obsolete, discontinued nor display products, whether such items are purchased at discount outlets and/or online or sold on clearance or close out.

All incidental or consequential damages are specifically excluded. No additional warranties, express or implied are given, including but not limited to, any implied warranty of merchantability or fitness for a particular purpose.

Some states do not allow the exclusion or limitation of incidental or consequential damages or limitations on how long an implied warranty lasts, so the above limitations or exclusions may not apply to you.

This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

The above protection will continue for 1 year.

To Obtain Service Under Warranty

1. Write to: Elkay Manufacturing Company
Attention: Consumer Care
1333 Butterfield Road, Suite 200
Downers Grove, Illinois 60515
2. Include a letter containing the following information:
 - a. Date of purchase and installation.
 - b. Proof of Purchase (copy of original dated invoice)
 - c. Description of nature of defect.
 - d. Model number or description of model and/or component part if possible.



RELIABILITY BUILT IN™

Easy Install

**8" FIXED CENTER
CONCEALED
WIDESPREAD
B-2300, B-2800,
B-2900 SERIES**
Patent # 7,472,434

Installation and Maintenance Instructions



Limited One Year Warranty
T&S warrants the product to the original purchaser (other than for purposes of resale) that such product is free from defects in material and workmanship for a period of one (1) year from the date of purchase. During this one-year warranty period, if the product is found to be defective, T&S shall, at its option, repair and/or replace it. To obtain warranty service, products must be returned to.....

T&S Brass and Bronze Works, Inc.
Attn: Warranty Repair Department
2 Saddleback Cove
Travelers Rest, SC 29690

Shipping, freight, insurance, and other transportation charges of the product to T&S and the return of repaired or replaced product to the purchaser are the responsibility of the purchaser. Repair and/or replacement shall be made within a reasonable time after receipt by T&S of the returned product. This warranty does not cover items which have received secondary finishing or have been altered or modified after purchase, or for defects caused by physical abuse to or misuse of the product, or shipment of the products.
Any express warranty not provided herein, and any remedy for Breach of Contract which might arise, is hereby excluded and disclaimed. All claims for damages, including consequential or punitive damages, shall be limited to one year in duration. Under no circumstances shall T&S be liable for loss of use or any special consequential cost, expenses or damages.
Some states do not allow limitations on how long an implied warranty lasts or the exclusion or limitation of incidental or consequential damages, so the above limitations or exclusions may not apply to you. Specific rights under this warranty and other rights vary from state to state.

P/N: 098.01.6898.45 Rev. 2
DATE: 11.08.10
DRAWN: TEH
CHECKED: JRM 11-12-10
APPROVED: JHB 11-12-10

Parts List

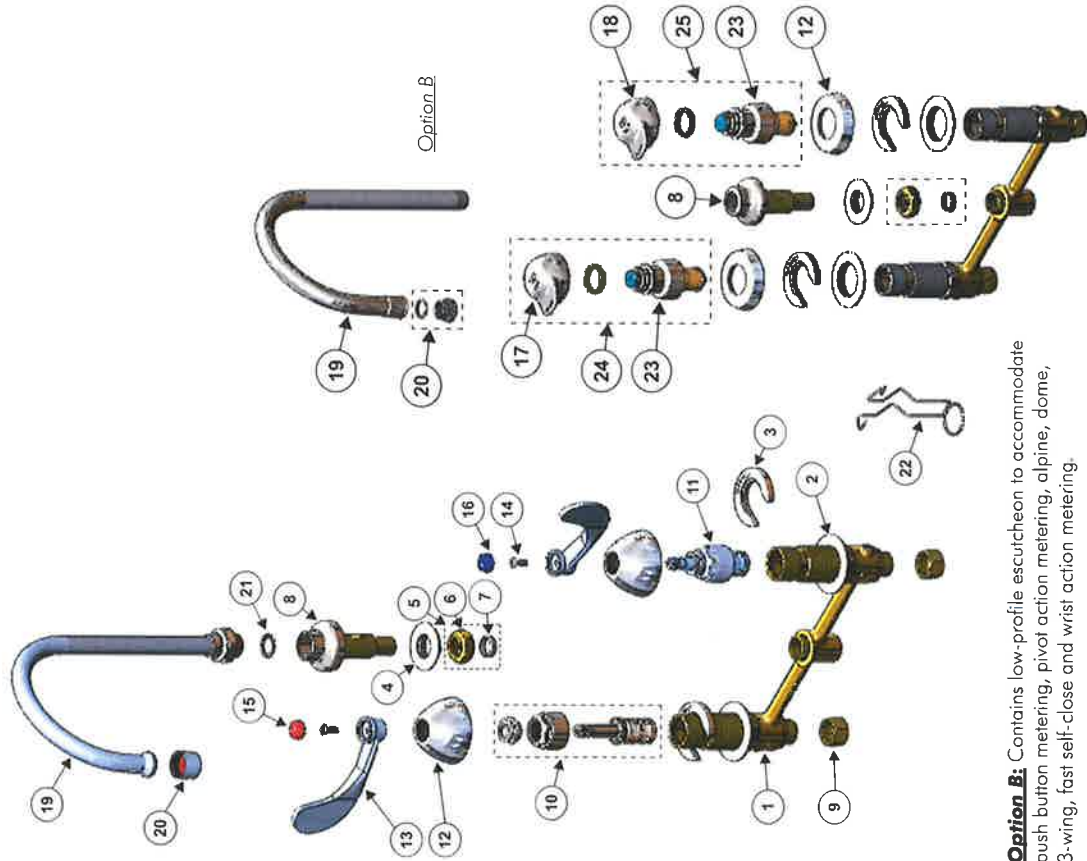
1	Base Faucet Assembly	N/A
2	Side Flange Nut	N/A
3	C-Washer	01.6749.45
4	Center Flange Nut	01.6742.45
5	Compression & Nut Fitting	01.6745.45
6	Compression Nut	N/A
7	Compression Fitting	N/A
8	Center Shank:	
	Center Shank, Swivel	01.6754.40
	Center Shank, Rigid	01.6847.40
9	Coupling Nut	00.0956.20
12	Escutcheon:	
	Escutcheon, Bell	00.1257.40
	Escutcheon, Metering	01.7292.45
	Inquire w/ T&S	01.6777.45
22	Hanger	Opt B
19	Rigid & Swivel Goosenecks	
20	Aerators:	
	55/64" - 27 Female Threads	B-0199-01
	3/8" NPSM Male Threads	B-0199-02
	13/16" - 27 Male Threads	B-0199-03
	Stream Regulator, Plain	B-LT
	Stream Regulator w/ Screen	B-PT
	Sidespray & Hose Assembly	00.1495.45
21	Star Washer, Anti-Rotation	01.4200.45

Cartridge Assemblies

10	Cartridge, Hot/Escudo Teflon	01.6753.40
	Cartridge, Hot/Cerama	01.6767.25
11	Cartridge, Cold/Ferroc Teflon	01.6752.40
	Cartridge, Cold/Cerama	01.6768.25
	Wrist Action/Metering	01.2449.40
23	Hot/Escudo Teflon - Short	01.7327.40
24	Push Button Metering	238A
25	Pivot Action Metering - Hot (shown)	238AH PA
24	Pivot Action Metering - Cold (shown)	238AC PA

Handle Assemblies

13	Handle, 4" Wrist Action (shown)	B-WH4
	Handle, Lever	001.638.45
	Handle, 4-Arm	002521.45
14	Screw, 4" Wrist Action (shown)	000925.45
	Screw, Lever Handle	000922.45
15	Index, Shop-in Red (Hot) (shown)	001.194.45
16	Index, Lever Handle (Hot)	001.661.45
	Index, Lever Handle (Cold)	001.666.45
17	Pivot Action Handle - Hot	Opt B
18	Pivot Action Handle - Cold	Opt B
	Cold Cap Assembly	PA-C
	Hot Cap Assembly	PA-H
	Lavatory Handle, 3-Wing - Cold	01.4195.40
	Lavatory Handle, 3-Wing - Hot	00.1784.40
	Fast Self-Closing Asm. - Cold	00.1783.40
	Fast Self-Closing Asm. - Hot	00.2875.40
	Cold Alpine Handle Assembly	Opt B
	Hot Alpine Handle Assembly	Opt B
		07.6F-C
		07.6F-H



Option B: Contains low-profile escutcheon to accommodate push button metering, pivot action metering, alpine, dome, 3-wing, fast self-close and wrist action metering.

Before starting the installation, be sure to flush supply lines and shut off water supply.

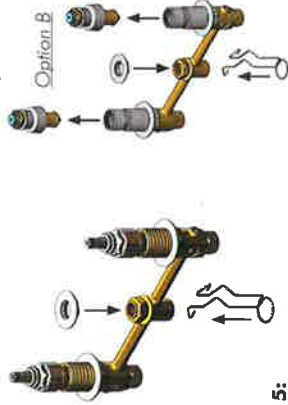
Step 1:

Take center shank out of body.



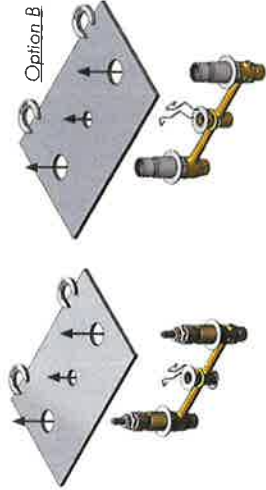
Step 2:

Place hanger on body. Add center flange nut to top of compression nut. Option B: Remove cartridges.



Step 3:

Insert body into deck holes until hanger snaps to top of deck. Place c-washers under bonnet nuts on side bodies.



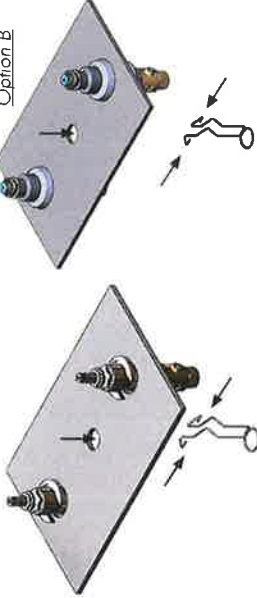
Step 4:

Screw metering escutcheons over c-washers. Tighten cartridges.



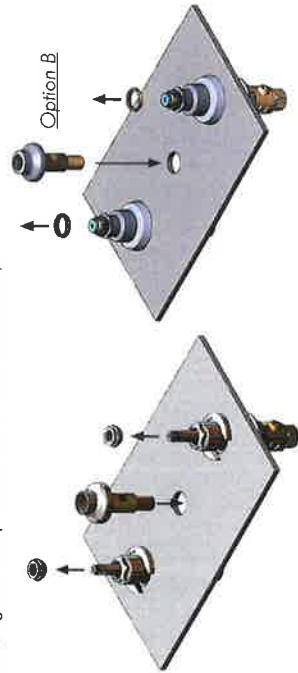
Step 5:

Squeeze hanger loops and allow hanger to drop through center hole.



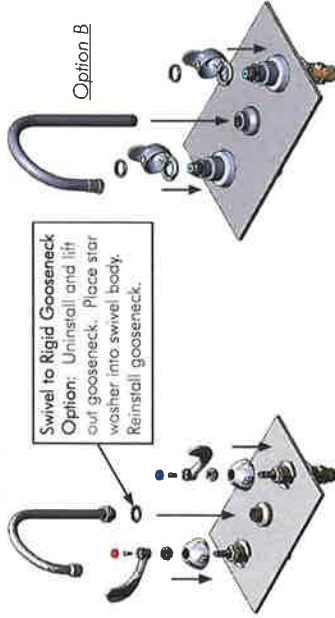
Step 6:

Remove nuts as shown. Option B: Remove retaining rings from cartridges. Place center body through center hole into main body. Tighten 3 flange nuts. Tighten compression nut to seal center body.



Step 7:

Add escutcheons, packing nuts, handles, spout and tighten. Option B: Add handles, retaining rings, spout and tighten. Turn on water supply and check for leaks.



For models with sidespray:



1. Tighten diverter to center body using flat head screwdriver
2. Remove locknuts from hose guide, place it through existing hole in sink. Reinstall locknut on the hose guide. Tighten by hand.
3. Apply Teflon tape to threaded end of sidespray, insert through hose guide and attach threaded end of side spray to base of center body. Tighten with wrench.
4. Turn on water and check for leaks.

Swivel to Rigid Gooseneck Option: Uninstall and lift out gooseneck. Place star washer into swivel body. Reinstall gooseneck.



a Bead Industries, Inc. company

Warranty, Terms and Return Policies

TERMS: All sales are subject to credit approval. Terms are 2% ten days – net 30.

RETURNED GOODS: Requests for returning purchased items are subject to factory approval.

A Returned Goods Authorization (RGA) must be obtained from the factory prior to any return. Returned merchandise must be in their original cartons, listed in our current List Price Sheet and in clean saleable condition.

Restocking charge:

- Material that was shipped within 18 months of the return request is subject to a 25% restocking charge.
- Material that was shipped more than 18 months of the return request but less than 3 years is subject to a 50% restocking charge.
- Material returned more than 18 months after it was shipped is not subject to any stock rotation agreement.
- Material that was shipped more than 3 years before the return request is not returnable.
- Invoice dates as well as dates on packaging will control.

The restocking charge may be reduced if a new order of equal value is placed at the time the RGA is requested:

- 25% may be reduced to 15%
- 50% may be reduced to 35%

MINIMUM RETURN POLICY:

Return requests less than \$200 net will be charged \$50 processing fee in lieu of any restocking charge.

INVOICE:

We reserve the right to invoice all merchandise at prices in effect at time of shipment.

NO MINIMUM ORDER:

Orders less than \$200 list will be invoiced at list price less 35% (.65 multiplier).

McGuire Manufacturing Co., Inc.

60 grandview court • cheshire • ct • 06410

tel 203-699-1801 • fax 203-699-1813

mcguiremfg.com

customerservice@mcguiremfg.com

FREIGHT:

We will pay freight on shipments within the continental United States when the order (pre-tax) totals more than \$2200 net. We select the method of shipment and carrier when we pay the freight.

Limited Warranty Information

McGuire Manufacturing Co., Inc. (McGuire) warrants its product to be free from defects in material and workmanship for the period indicated below by product type measure from the date of purchase:

ITEM	WARRANTY PERIOD
Brass products	15 years
ProWrap	5 years
Eco P-Traps, Eco Strainers and Valve Strainers	1 year
Stainless Steel products	1 year
Lite Commercial P-Traps	1 year

McGuire's sole responsibility will be to replace, at no additional charge, any product which proves to be defective within the applicable warranty period. Shipping costs for product located outside the continental United States will be the sole responsibility of the customer. Duties and taxes, if levied, shall be the sole responsibility of the customer.

The above Limited Warranty shall not apply if the product has been damaged due to abuse, misuse, improper installation, accident, or other cause not within McGuire's control.

THE ABOVE LIMITED WARRANTY IS THE SOLE AND EXCLUSIVE WARRANTY. ALL OTHER WARRANTIES ARE DISCLAIMED, WHETHER EXPRESSED OR IMPLIED, INCLUDING BUT NOT LIMITED TO, ANY IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. IN NO EVENT SHALL MCGUIRE BE RESPONSIBLE OR LIABLE FOR ANY SPECIAL INCIDENTAL, OR CONSEQUENTIAL DAMAGES OR LOSSES ARISING FROM THE USE OF THIS PRODUCT.

McGuire may, at its option, alter the contents of this LIMITED WARRANTY at anytime. These changes will affect products manufactured after the effective date of this policy.

McGuire Manufacturing Co., Inc.

60 grandview court • cheshire • ct • 06410

tel. 203-699-1801 • fax 203-699-1813

mcguiremfg.com

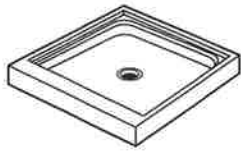
customerservice@mcguiremfg.com

P-9

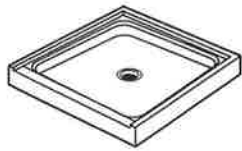
Installation Instructions – Terrazzo Precast Shower Floors & Mop Basins



DO NOT STACK OR STORE TERRAZZO FLAT



MONTEREY



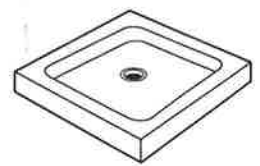
SIERRA



GIBALTAR



ADATN, ADAWN, WTR
WHEELCHAIR ACCESS



MOP SERVICE BASIN

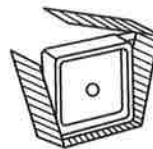
1. REMOVE CRATE AT INSTALLATION POINT. DO NOT ROCK TERRAZZO ON EDGES IN ORDER TO PREVENT DAMAGES TO CORNERS.
2. CHECK ALL SIDES OF PRODUCT FOR TRANSPORTATION DAMAGES.
 - A: WIPE FACE OF THE TERRAZZO WITH A WATERED CLOTH.
 - B: AFTER WATER EVAPORATES, CHECK FOR CRACKS OR DAMAGE.

NOTE: FIAT PRODUCTS IS NOT RESPONSIBLE FOR SHOWER INSTALLATIONS ADHERING TO A.D.A. GUIDELINES. CHECK LOCAL AUTHORITY FOR CODE AND INSTALLATION REQUIREMENTS.

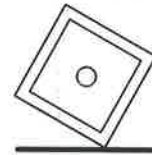
LEVEL PRODUCT CAREFULLY

- 2A. ESTABLISH PROPER CLEARANCE BETWEEN UNIT AND WALL. PLACE A 1/2" LAYER OF MORTAR WHERE THE SHOWER FLOOR IS TO BE INSTALLED. THIS PROCEDURE IS REQUIRED BY FIAT TO PROVIDE SUPPORT OF THE UNIT IN CASE THE SUB FLOOR IS UNEVEN. LAYER OF GROUT SHOULD BE AT LEAST 1/4" THICK AND COVER ENTIRE AREA UNDER THE UNIT.
- 2B. ADAT AND ADAW SHOWERS ARE FOR A.D.A. OR PHYSICALLY CHALLENGED USE. THE SHOWER ENTRY SHOULD BE NO MORE THAN 1/4" HIGHER THAN THE FINISHED FLOOR OF THE ROOM. THE ADAT SHOWER SHOULD BE INSTALLED INTO A RECESSED PIT 2 INCHES DEEP TO MEET CODE REQUIREMENTS.
- 2C. IT IS RECOMMENDED THAT A FLOOR DRAIN AT OR NEAR THE ENTRANCE TO ALL ADAT, ADAW AND WTR SHOWER FLOORS BE INCLUDED.

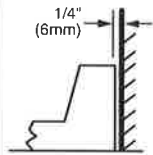
DO NOT LIFT SHOWER BY FLANGE



REMOVE CRATE WITH CARE



DO NOT STAND ON END



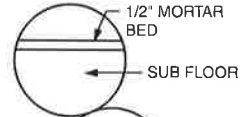
RECOMMENDED
1/4" SPACE
BY FIAT



DOTTED AREA
IS FOR
SHOWER FLOOR



ADAT BASE INSTALLED IN PIT
For the Physically Challenged



1/2" MORTAR
BED
SUB FLOOR



GROUT
EXPOSED
SIDES

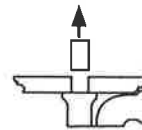
FAILURE TO INSTALL TERRAZZO ON A 1/2" MORTAR BED WILL VOID WARRANTY.

WARNING

3. DO NOT DROP UNIT OVER EXPOSED PIPE. IT IS ADVISABLE TO REMOVE DRAIN PIPE AND SET UNIT IN PLACE. INSERT PIPE THROUGH DRAIN IN FLOOR BACK INTO "P" TRAP.
 - TIGHTEN METAL CONNECTIONS WITH AN INTERNAL PIPE WRENCH.
 - IF USING PLASTIC WASTE PIPE, FIT AND SOLVENT WELD.



DO NOT DROP
ON PIPE



REMOVE PIPE
FROM TRAP



REINSERT PIPE & TIGHTEN
WITH AN INTERNAL
WRENCH

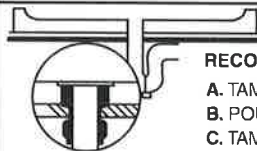
4A. METHOD OF DRAIN CONNECTION: PLASTIC OR METAL WASTE PIPE

WHEN USING PLASTIC WASTE PIPE, IT IS NECESSARY TO USE THE QDC QUICK DRAIN CONNECTOR.

INSTALL PIPE THROUGH RECEPTOR.

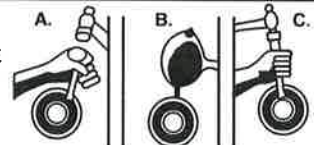
LUBRICATE QDC CONNECTOR WITH SOAP, STRETCH QDC CONNECTOR OVER PIPE WITH LETTERS FACING UP.

TAMP CONNECTOR WITH A HAMMER AND PIECE OF WOOD. WORK AROUND CONNECTOR WITH A SERIES OF BLOWS UNTIL IT BOTTOMS. TOP OF PIPE SHOULD BE EVEN WITH TOP OF CONNECTOR.



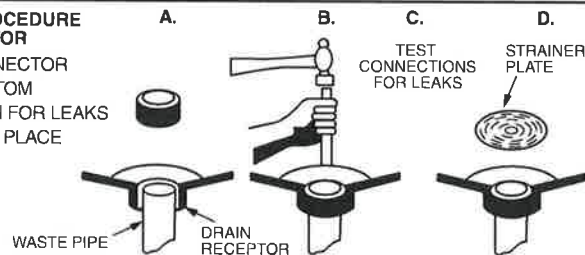
RECOMMENDED PROCEDURE

- A. TAMP OAKUM TO 5/8" DEPTH
- B. POUR MOLTEN LEAD
- C. TAMP LEAD CAREFULLY



RECOMMENDED PROCEDURE QDC CONNECTOR

- A. INSTALL QDC CONNECTOR
- B. TAMP QDC TO BOTTOM
- C. TEST CONNECTION FOR LEAKS
- D. SNAP STRAINER IN PLACE



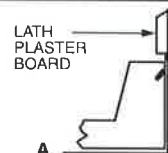
4B. METHOD OF DRAIN CONNECTION: METAL WASTE PIPE

USE OAKAM AND MOLTEN LEAD.

THIS LEAD CAULKED JOINT PERMITS LIMITED MOVEMENTS SUCH AS NORMAL STRUCTURAL SETTLEMENT WITHOUT LEAKAGE.

WARNING: MODELS WITH TILING FLANGE OPTIONS

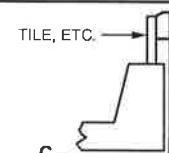
- 5A. DO NOT LET ROUGH WALL MATERIAL OVERLAP FLANGE.
- 5B. DO NOT ATTACH FLANGE TO BUILDING.
- 5C. LET FINISHED WALL (TILE, ETC) OVERLAP AND REST ON SHOULDER.



LATH
PLASTER
BOARD



DO NOT ATTACH
FLANGE TO
TO WALL



TILE, ETC.

CAULKING

Sealers - New Installations

Immediately following installation of a new floor or thorough cleaning of an older floor, the floor must be sealed with a penetrating sealer. Such sealers are available at paint or tile stores and **must** state that they are approved for use on Terrazzo products. Sealers are not permanent and can be reapplied (after a thorough cleaning) approximately once a year, or as recommended by the manufacturer of the sealer.

RECOMMENDED CLEANING & MAINTENANCE PROCEDURES FOR TERRAZZO PRECAST SHOWER FLOORS AND MOP SERVICE BASINS

Regular Cleaning

To maintain the original terrazzo surface appearance, clean regularly with a liquid detergent such as Joy, Liquid Ajax, or Spic n Span (for the latter, prepare a solution containing 1/2 cup of Spic n Span in a gallon of water). Scrub with a stiff bristled, non-metallic scrub brush and then rinse thoroughly.

NOTE: Do not use any acid (ie, muratic) or cleaning agents that contain acid.

Special or Unusual Conditions

- A.** Scum on Surface caused by soap, makeup, etc.: Use a cleaning powder, such as Ajax, plus lots of elbow grease.
- B.** Surface cleaning: Heel marks, plaster, etc. may require abrasive removal. This can be done with a wet emery cloth. If emery cloth is ineffective, use an 80 to 100 grit aluminum oxide coated paper. Abrasive cloth or paper will result in a very faint grinding away of the floor surface.
- C.** Penetrated stains: Stains such as caused by oil, putty, etc., may be removed by scouring with a cleanser and then soaking floor overnight, if need be, with a commercial bleach such as Linco, etc.

FIAT PRODUCTS, LLC. LIMITED ONE YEAR WARRANTY FOR PERSONAL RESIDENTIAL AND COMMERCIAL USE OF FIAT® PRODUCTS

WARRANTY COVERAGE

FIAT Products warrants products against defects in material and workmanship under both normal residential and commercial use for as long as it is owned by the original purchaser for a period of one (1) year from the date of first purchase.

This warranty is provided for the exclusive benefit of the initial consumer purchaser or owner. This warranty is non-transferable to subsequent purchasers or owners. The sole exception to the non-transferability of this warranty is that if this product is purchased by a plumber, contractor or other service provider, this warranty extends to the first residential or commercial property owner on whose behalf the product was purchased for installation. This warranty applies only to FIAT® Products installed in the United States of America or Canada.

If a defect arises and a valid claim is received, FIAT Products, at its option, will either (1) repair the product, (2) replace the product or any part therein with a FIAT product of equal or similar type and size, or (3) refund to the consumer the wholesale price of the product. If FIAT Products elects to refund the wholesale price to the consumer, FIAT Products shall have no further obligation to its wholesale customer, or any contractor with respect to such product. Goods proven to be defective will be replaced after proper inspection, but no claims for damages incurred or for work done thereon will be allowed. Replacements when supplied will be shipped at no cost to the consumer.

EXCLUSIONS AND LIMITATIONS

1. This warranty only applies to products purchased through an authorized FIAT® Products dealer or re-seller.
2. This warranty does not apply to defects or damage caused by non-genuine FIAT parts, installation error, product abuse, product misuse, improper maintenance, improper care or cleaning, improper repair or installation, and/or movement or transfer of the product from its original installation location (whether performed by you, a plumber, a contractor or a service company). Because improper care and cleaning can cause significant damage to the product, it is strongly recommended that you follow the Care and Cleaning Instructions (as well as the other instructions).
3. FIAT Products is not responsible for labor charges and/or damage incurred during installation, repair, or replacement.
4. FIAT Products does not warrant that this product and/or its installation complies with local code requirements. FIAT Products recommends that you consult with a plumbing contractor about local code requirements.

TO THE EXTENT PERMITTED BY LAW, THIS WARRANTY IS EXCLUSIVE AND IN LIEU OF ALL OTHER WARRANTIES, WHETHER ORAL OR WRITTEN, STATUTORY, EXPRESS, OR IMPLIED, FIAT PRODUCTS HEREBY EXCLUDES SPECIAL, INCIDENTAL AND CONSEQUENTIAL DAMAGES FOR ANY BREACH OF ANY EXPRESS OR IMPLIED WARRANTY APPLICABLE TO THIS PRODUCT.

Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitations and exclusions may not apply to you. This warranty gives you specific legal rights, and you may also have other rights which vary from state to state (or province, as applicable).

OBTAINING WARRANTY SERVICE

If you feel you have a warranty claim, contact FIAT Products, either through an authorized FIAT Products dealer or re-seller, or by writing:

In the United States and Canada:

FIAT Products, LLC
4515 E. 139th St.
Grandview, MO 64030

Please be sure to provide all pertinent information regarding your claim, including a complete description of the problem, the product, model number, color, finish, purchase date, and from whom the product was purchased.

For other information, call (833) 549-2887 (in the United States and Canada) or visit www.fiatproducts.com.



Limited One Year Warranty

T&S warrants to the original purchaser (other than for purposes of resale) that such product is free from defects in material and workmanship for a period of one (1) year from the date of purchase. During this one-year warranty period, if the product is found to be defective, T&S shall, at its options, repair and/or replace it. To obtain warranty service, products must be returned to...

*T&S Brass and Bronze Works, Inc.
Attn: Warranty Repair Department
2 Saddleback Cove
Travelers Rest, SC 29690*

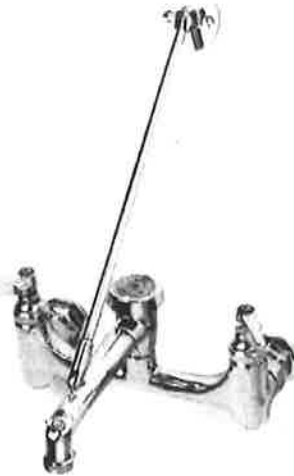
Shipping, freight, insurance, and other transportation charges of the product to T&S and the return of repaired or replaced product to the purchaser are the responsibility of the purchaser. Repair and/or replacement shall be made within a reasonable time after receipt by T&S of the returned product. This warranty does not cover items which have received secondary finishing or have been altered or modified after purchase, or for defects caused by physical abuse to or misuse of the product, or shipment of the products.

Any express warranty not provided herein, and any remedy for Breach of Contract which might arise, is hereby excluded and disclaimed. Any implied warranties of merchantability or fitness for a particular purpose are limited to one year in duration. Under no circumstances shall T&S be liable for loss of use or any special consequential costs, expenses or damages.

Some states do not allow limitations on how long an implied warranty lasts or the exclusion or limitation of incidental or consequential damages, so the above limitations or exclusions may not apply to you. Specific rights under this warranty and other rights vary from state to state.

P/N: 098-009518-45 Rev.2
Date: 05-15-06
Drawn: TEH
Checked: DHL 07-13-06
Approved: JHB 07-13-06

Installation and Maintenance Instructions



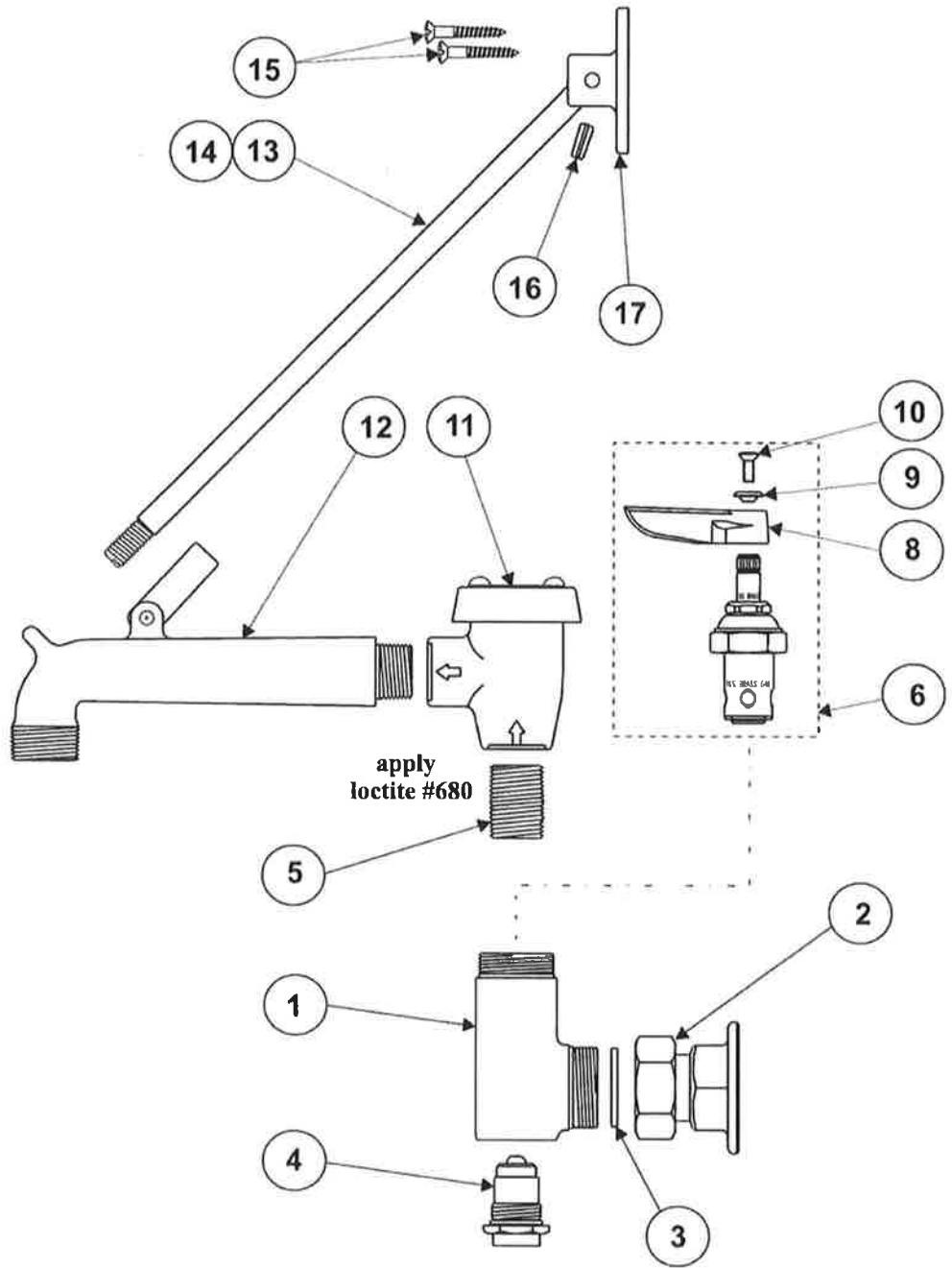
Surgical Sink and Service Sink Faucets with Built-In Stops B-0665-BST Series

**Deutsch: Installations- und
Wartungsanleitun-
gen**

**Español: la Instalación y las
Instrucciones de
Mantenimiento**

**Français: les Instructions
d'Installation et
d'Entretien**

Exploded View



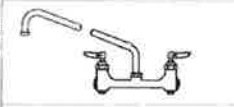
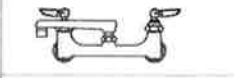
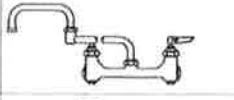



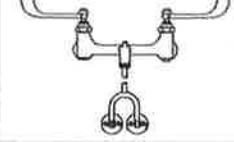
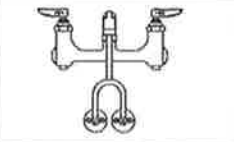
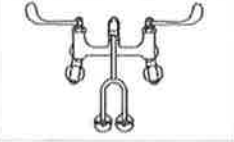
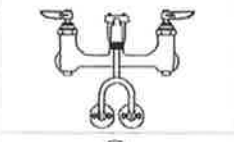
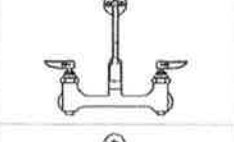
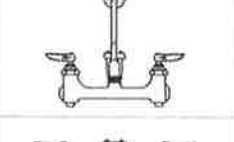

* Some items are listed for instructional purposes and may not be sold as separate parts.

Part Number Guide

Service Sink Faucet Assemblies

1	Asm, Base Faucet	B-0665-BSTP
	Body, Faucet	*
2	Asm, Flange Coupling	002893-40
3	Washer, Coupling Flange	001019-45
4	Asm, BST Spindle & Insert	163A
5	Nipple, Close 1/2 HWL	002534-25
6	Asm, Eterna w/ Spring Checks & Handle (Cold)	002711-40
	Asm, Eterna w/ Spring Checks & Handle (Hot)	002712-40
8	Handle, Lever (Blank)	001638-45
9	Index, Button (Red / Hot)	001661-45
	Index, Button (Blue / Cold)	001660-45
10	Screw, Handle	000922-45
11	Asm, Vacuum Breaker, 1/2"	B-0969
12	Spout	*
13	Asm, Upper Nozzle Support	009546-40
14	Rod, Support	005060-40
15	Screw, Wall Mount	000915-45
16	Pin, Coiled 3/16" x 1/2" S.S.	004713-25
17	Flange	003007-40

Models with Built-In Stops (-BST)

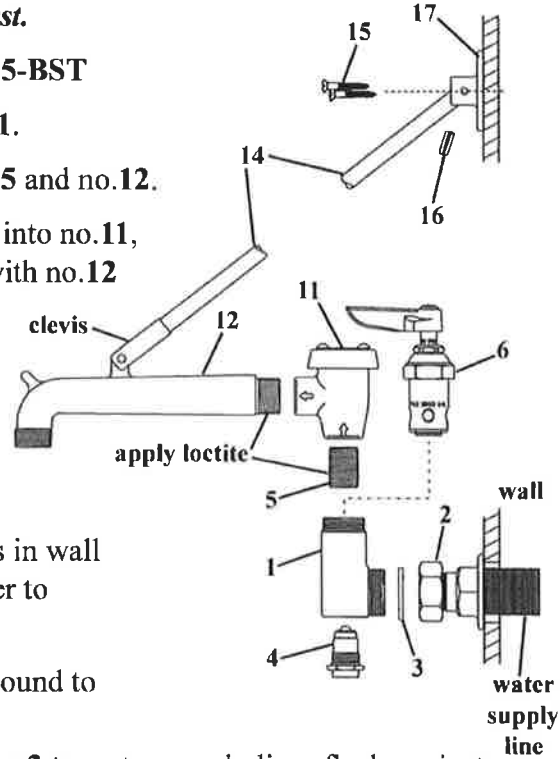
	B-0230-BST Sink mixing faucet with 18" swing nozzle; lever handles
	B-0231-BST Sink mixing faucet with 12" swing nozzle; lever handles
	B-0232-BST Sink mixing faucet with 16" swing nozzle; lever handles
	B-0234-BST Sink mixing faucet with 6" cast spout; lever handles
	B-0265-BST Combo sink faucet w/ 18" double-joint swing nozzle
	B-0266-BST Combo sink faucet w/ 15" double-joint swing nozzle
	B-0267-BST Combo sink faucet w/ 12" double-joint swing nozzle
	B-0330-BST Combo sink faucet w/ rigid gooseneck; lever handles
	B-0331-BST Combo sink faucet w/ swivel gooseneck; lever handles
	B-0350-BST Surgical sink fct w/rigid gooseneck; 6" WH; rosespray
	B-0351-BST Surgical sink fct w/rigid gooseneck; 6" WH; stream reg.
	B-0352 & -04 Surgical sink fct w/rigid GN; 6" & 4" WH; rosespray
	B-0353 & -04 Surgical sink fct w/rigid GN; 6" & 4" WH; stream reg.
	B-0363 Service sink fct w/VB nozzle; 6" WH; bottom brace
	B-0650-BSTP Service sink fct w/pail hook nzl; btm brace; polished
	B-0650-BSTR Service sink fct w/pail hook nzl; btm brace; rough
	B-0652 Service sink fct; 6" wrist-action handles; bottom brace
	B-0655-BSTP Service sink fct w/VB nozzle; bottom brace; polished
	B-0655-BSTR Service sink fct w/VB nozzle; bottom brace; rough
	B-0657-BST Service sink fct w/VB nozzle; 6" WH; bottom brace
	B-0660-BSTP Service sink fct w/pail hook nozzle; top brace; polished
	B-0660-BSTR Service sink fct w/pail hook nozzle; top brace; rough
	B-0665-BSTP Service sink fct w/VB & pail hook; top brace; polished
	B-0665-BSTR Service sink fct w/VB & pail hook; top brace; rough
	B-0674-BSTP Service sink fct w/VB & pail hook nozzle; polished
	B-0674-BSTR Service sink fct w/VB & pail hook nozzle; rough

General Instructions

Note: This is a general instructional example of units using -BST. Nozzles should be installed on unit first.

Nozzle Installation: ex. model B-0665-BST

1. Remove no.6 from both sides of no.1.
2. Apply Loctite #680 to threads of no.5 and no.12.
3. Insert no.12 into no.11. Thread no.5 into no.11, then rotate no.11 into no.1 until tight with no.12 facing front of sink.
4. Replace no.6 into no.1 following nozzle installation.



Faucet Installation:

5. Shut off water supply and drain lines. Drill (2) two 7/8" [2.2 cm] holes in wall or backsplash of sink, 8" [20 cm] center to center, where you are installing no.1.
6. Apply teflon tape or pipe joint compound to threads of water supply lines.
7. Remove no.2 from no.1 and attach no.2 to water supply lines flush against wall. Tighten by hand. *Trim supply lines if necessary.*
8. Attach no.1 to no.2, adjusting center to center fit by turning no.2 if needed. *Make sure no.3 remains in place.* Tighten no.2 firmly with a wrench.
9. Turn on water supply and check for leaks.

Upper Nozzle Support Installation:

10. Attach no.14 to no.12 by screwing no.14 into *clevis* on no.12.
11. Position no.17 against wall. Mark holes and secure no.17 to wall using no.15.

Adjusting Built-in Stops:

Insert a screwdriver to adjust no.4 at the base of no.1 on each side. *Water should be turned on for this procedure.*

Close Stop
turn clockwise



Open Stop
turn counter-clockwise



Bottom view of faucet body and Built-in Stop

P-10

SHOWERCAST 4834 PORCELAIN ENAMEL 48" x 34" X 3" SHOWER BASE (SQUARE DRAIN)



010-1900 SLIP-RESISTANT CENTER DRAIN

DESCRIPTION:

ShowerCast 4834 is a 48" x 34" x 3" porcelain enamel steel shower base designed for new installations where an easy access shower solution is desired. Bootz ShowerCast 4834 is a step above plastic/composite competitors, inviting quality upgrades to residential, hospitality, and commercial (hotel, motel, multi-family housing) applications. ShowerCast 4834 is constructed of one-piece heavy gauge seamless steel with an acid-resistant, high gloss, sanitary, and stain-resistant porcelain enamel finish. ShowerCast 4834 is very easy to install - just set and level it. The full length support pad provides added strength for better durability, a flat base for ease of installation, and noise absorbing capabilities for a luxurious, peaceful shower. This product is compatible or complies with ASME A112.19.1/CSA B45.2 (Standard for Enameled Steel Plumbing Fixtures), ASTM F 462 (Safety Specification for Slip Resistant Bathing Facilities), WW-P 541 (U.S. Military Federal Specification), HUD-FHA-VA, LEED, and the Buy American Act, as applicable when installed accordingly. The ShowerCast 4834 is a square center drain shower base. All square drain shower pans come with a drain kit. Square grid drain comes with a PVC drain kit with adapter; square solid cover drain is magnetic and comes with a FR-PVC drain kit. Square drain shower bases come in one (1) color: White (00). Square grid drain covers come in five (5) finish choices: Chrome (CH), Brushed Nickel (BN), Dark Bronze (DB), Matte Black (MB), or Brushed Gold (BG). Square solid covers come one (1) finish choice: White (SW).

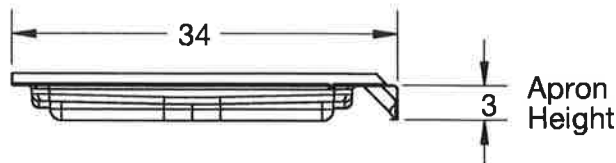
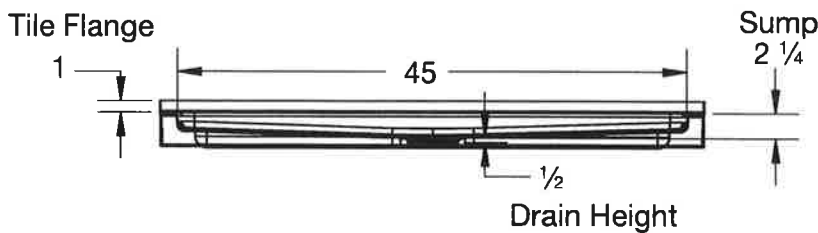
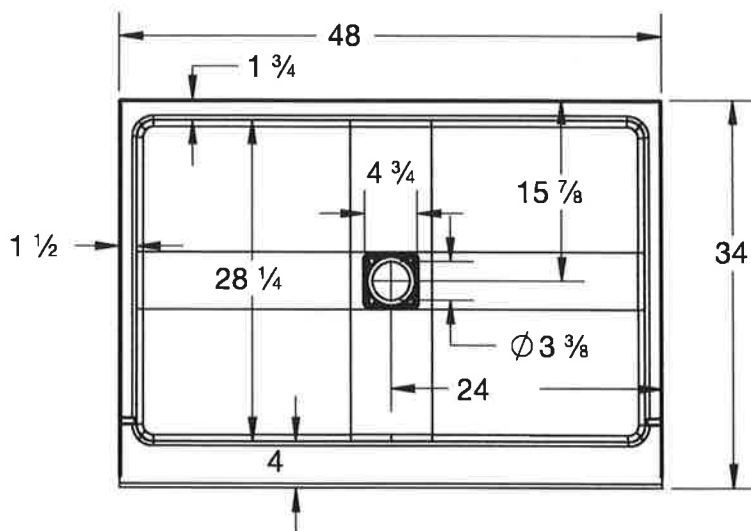
Weight: 40 lbs



SHOWERCAST 4834 PORCELAIN ENAMEL 48" x 34" X 3" SHOWER BASE

ShowerCast 4834 4' Shower Base Weight: 40 lbs Standard Outlet

- 010-1900-00 CH Center Drain White Base, Chrome Grid
- 010-1900-00 BN Center Drain White Base, Brushed Nickel Grid
- 010-1900-00 DB Center Drain White Base, Dark Bronze Grid
- 010-1900-00 MB Center Drain White Base, Matte Black Grid
- 010-1900-00 BG Center Drain White Base, Brushed Gold Grid
- 010-1900-00 SW Center Drain White Base, Solid White Cover



Complies with:
All fixtures are compatible or comply with ANSI, ASME, CSA, WW-P 541, HUD-FHA-VA, LEED and the "Buy America Act" where applicable when installed accordingly.

Standard Features:
Full length sound deadening pad
Slip resistant bottom
Set it and level it

Made in the USA

All Dimensions +/- 1/8" unless otherwise noted. Dimensions shown are for reference. Actual dimensions may vary slightly and should be checked prior to installation
Rev. 04/21





EXPRESS LIMITED LIFETIME WARRANTY

Bootz Manufacturing Company LLC (herein referred to as "Bootz") warrants that any goods supplied by Bootz whether according to Bootz specifications or according to specifications agreed upon by Bootz and purchaser (herein referred to as "you" and "your") shall be free from defects in material and workmanship for the reasonable useful life of the product.

This EXPRESS LIMITED WARRANTY does NOT apply where there has been failure of the goods due to improper use; breakage not due to a defect; failure on account of faulty or improper installation or handling; or failure on account of installation in a building of faulty design or construction.

YOUR EXCLUSIVE REMEDIES AND RESPONSIBILITIES

If you believe you have purchased defective goods from Bootz as described above, notify Bootz by telephone, letter, or facsimile, fully informing Bootz of why you believe the goods are defective. Bootz will then request you return the defective goods (or sample) to Bootz; have a Bootz representative inspect the goods at the job site, as installed, or at Bootz' address; and/or rely upon the information you have provided to determine whether the goods are defective. If any goods are proven to be defective, then Bootz will, at Bootz' option, repair, replace, or refund the purchase price of the defective goods. Any transportation costs associated with the repair or replacement of the defective goods shall be your responsibility, and in no event shall you be entitled to damages exceeding the purchase price you originally paid for the goods.

We reserve the right to change design, color, models and to discontinue manufacture of any goods. This warranty gives you specific legal rights and you may have other rights which vary from state to state as some states do not allow the exclusion of warranties and incidental or consequential damages, or the limitation of remedies.

REPLACEMENT GOODS EXPRESS LIMITED WARRANTY

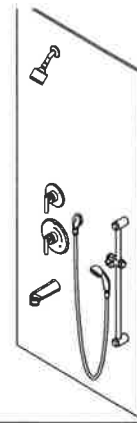
Goods provided to you under the terms of the EXPRESS LIMITED WARRANTY as replacement goods are also warranted against the defects listed under the EXPRESS LIMITED WARRANTY. However, the EXPRESS LIMITED WARRANTY, as it applies to replacement goods is further limited to one (1) year warranty period on replacement goods begins when the original goods were delivered.

EXCLUSION OF OTHER EXPRESS AND IMPLIED WARRANTIES

Except as provided in the section entitled EXPRESS LIMITED WARRANTY, Bootz makes NO other EXPRESS OR IMPLIED WARRANTIES of any kind, whether as to MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. This exclusion applies to original and replacement goods. If any of the employees, sales people, and/or representatives of Bootz have made any verbal statements about the goods, whether original or replacement, these statements do not constitute warranties and are a part of Bootz' contract with you for the purchase of goods.

EXCLUSION OF INCIDENTAL AND CONSEQUENTIAL DAMAGES

Bootz shall not be liable for any incidental or consequential damages under the EXPRESS LIMITED WARRANTY, including but not limited to, any costs or expenses incurred concerning any labor, or transportation, or other expense incurred by reason of the use or sale of any defective material. This exclusion applies to original and replacement goods.



Shower Trim Operation and Maintenance Manual

Warranty

Limited Lifetime - to the original end purchaser in consumer/residential installations.
10 Years - for commercial/industrial installations. Refer to www.symmons.com/warranty for complete warranty information.

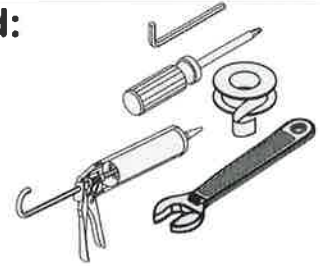


Product Care

Clean finished trim area with a soft cloth using mild soap and water or a non-abrasive cleaner and then quickly rinse with water.

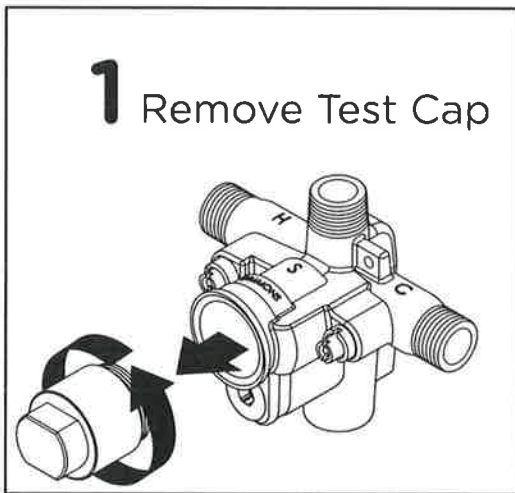
Installation Instructions

Tools Required:

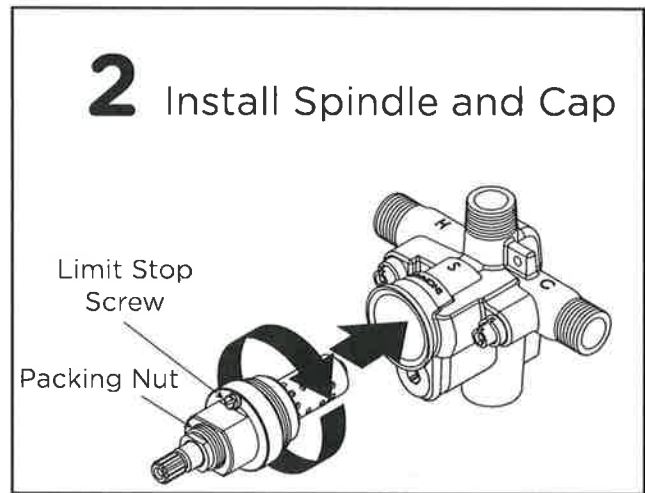


Valve Setup

For rough-in dimensions refer to submittal



1 Remove Test Cap



2 Install Spindle and Cap

Installation - Adjust Rotation Resistance

- 1) Turn hot and cold supplies on. Valve will not operate unless both hot and cold water supply pressures are on.
- 2) Place handle over flow control spindle.
- 3) Tighten packing nut for positive frictional resistance as handle is rotated from shut-off position across adjustment range.

Installation - Setting Limit Stop Screw

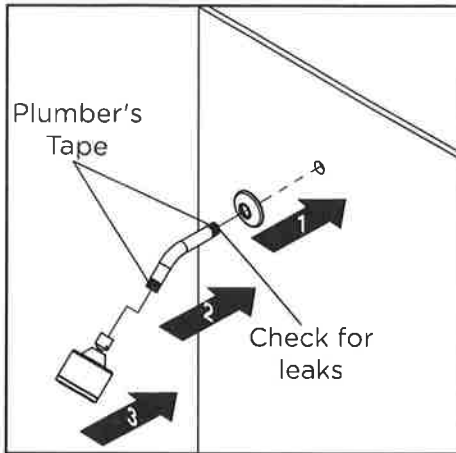
WARNING: Failure to adjust limit stop screw properly may result in serious scalding.

- 1) Turn hot and cold supplies on. Valve will not operate unless both hot and cold water supply pressures are on.
- 2) Place handle on flow control spindle and open valve to maximum desired temperature.
- 3) Turn limit stop screw clockwise until it seats.

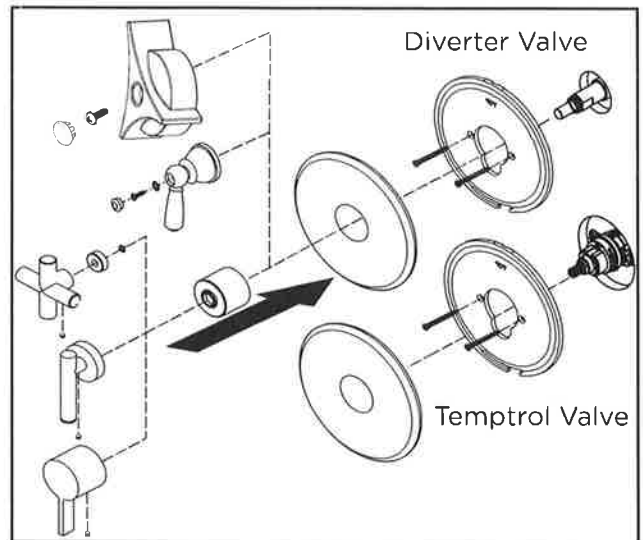
Warnings:

1. Test cap for pressure testing up to 200 psi maximum (for water). DO NOT exceed 200 psi while pressure testing valve body.
2. Do not expose valve with test cap to heat for longer than 2 minutes when soldering copper tubing. Doing so may damage the internal components of the valve and will void the product warranty.
3. Ensure test cap is re-torqued to 30 lb-ft after soldering valve body.

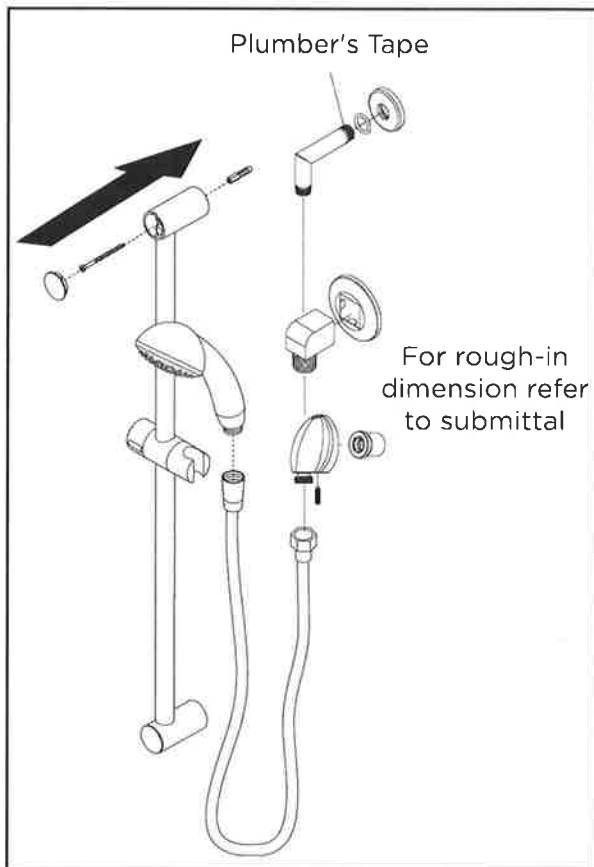
Showerhead Installation



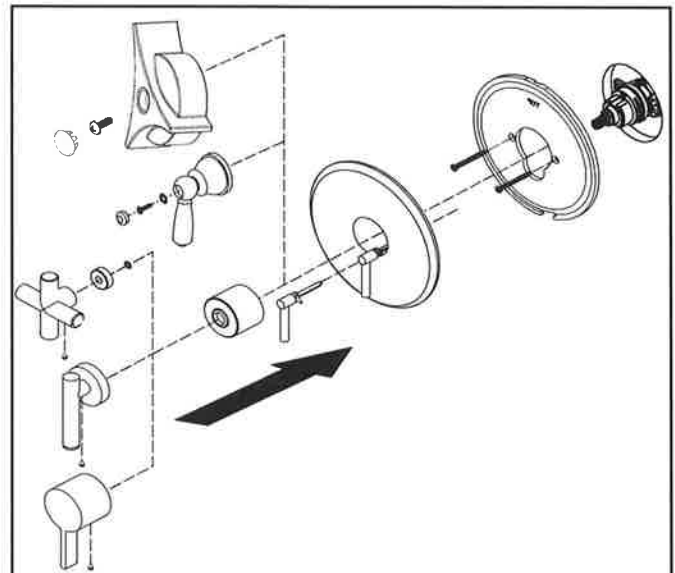
Shower/Diverter Valve Trim Installation



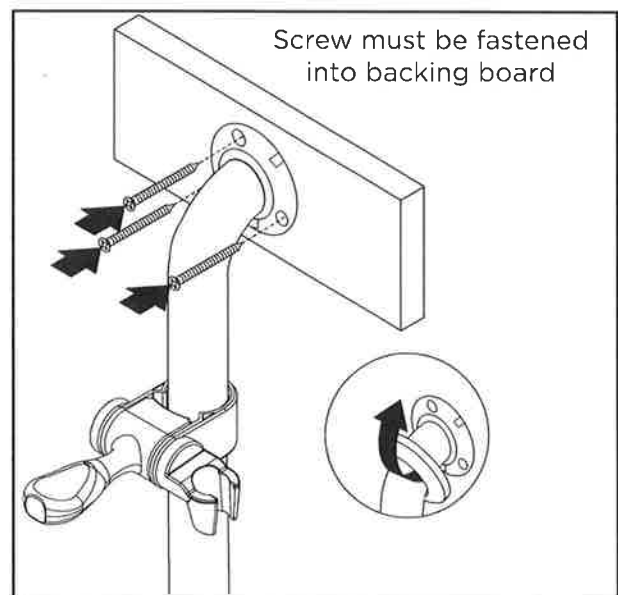
Hand Shower and Slide Bar Installation



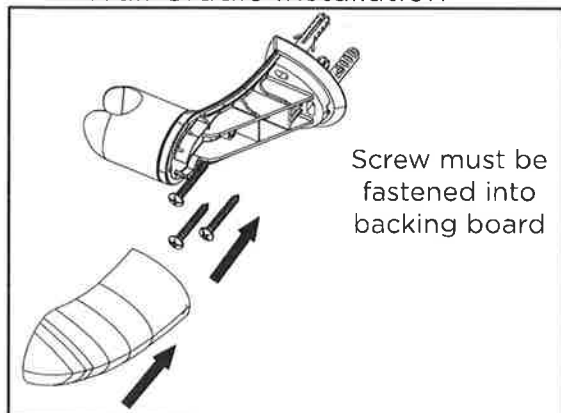
VersaFlex Trim Installation



Grab Bar Installation

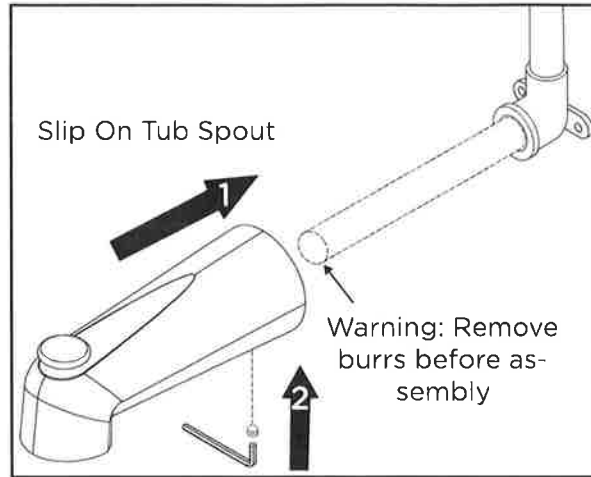
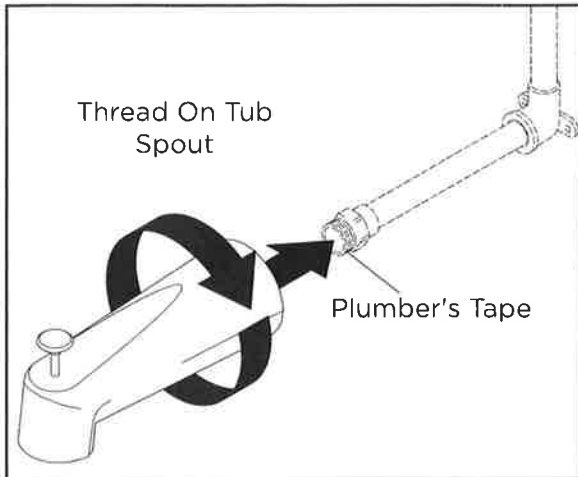


Wall Cradle Installation

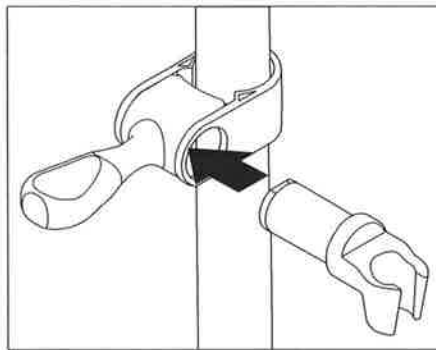
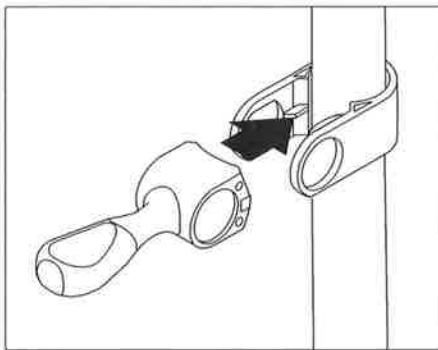


Tub Spout Installation

For tub spout rough-in dimensions refer to submittal



Hand Shower Holder Installation

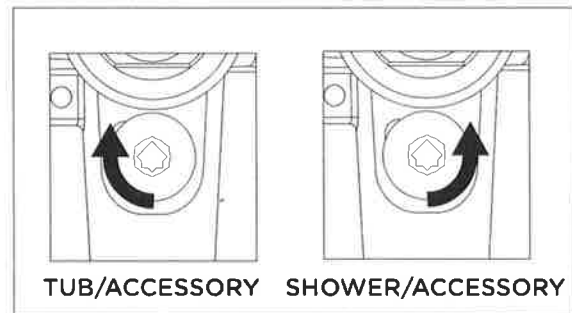


Operation Guide

Operation (Versaflex™ Diverter Control)

Turn diverter control handle clockwise to divert to tub spout or other Symmons accessory.

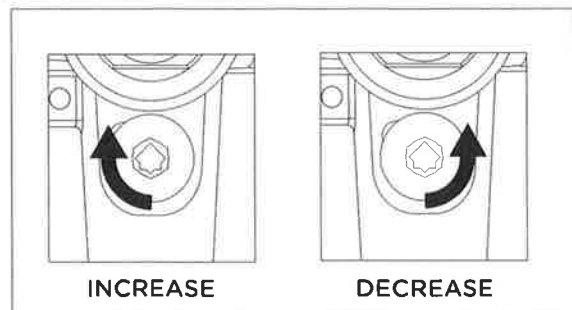
Turn diverter control handle counterclockwise to divert to shower or other Symmons accessory.



Operation (Volume Control)

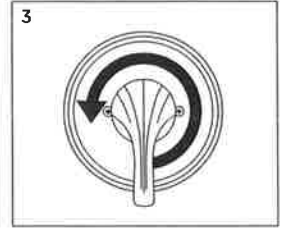
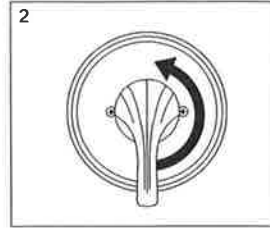
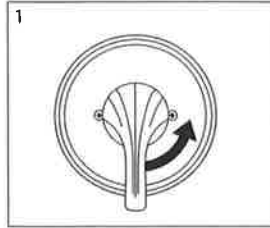
Turn volume control handle clockwise to increase volume.

Turn volume control handle counterclockwise to decrease volume.



Operation (Temperature Control)

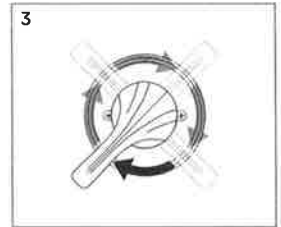
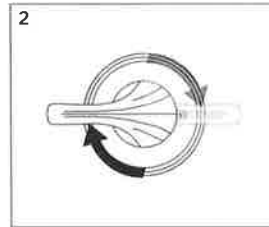
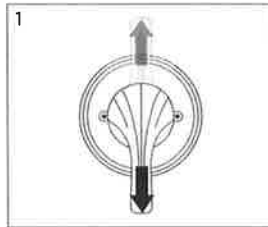
1. Turn shower handle counterclockwise approximately 1/4 turn to put valve in cold position
2. Turn shower handle counter-clockwise approximately 1/2 turn to put valve in warm position
3. Turn shower handle counter-clockwise approximately 3/4 turn to put valve in hot position



Operation (Dual Outlet Diverter Control)

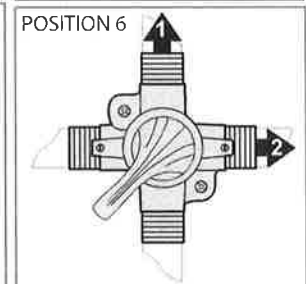
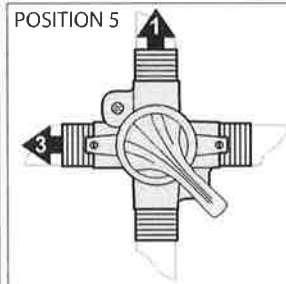
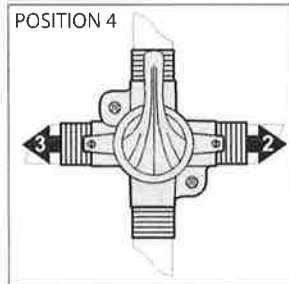
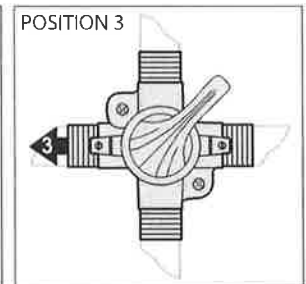
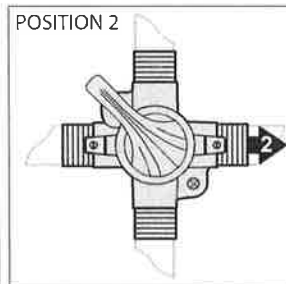
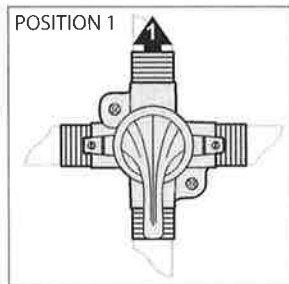
Note: Additional handle positions for same output are illustrated.

1. Cartridge is factory set to divert to function 1
2. Turn handle to position 2 to diverter to function 2
3. Turn handle to position 3 to share functions 1 and 2

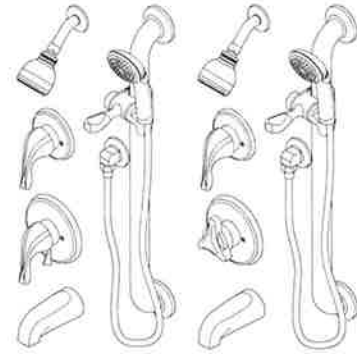


Triple Outlet Diverter Operation

1. Cartridge is factory set to divert to function 1.
2. Turn handle to position to divert to function 2.
3. Turn handle to position 3 to divert to function 3.
4. Turn handle to position 4 to share functions 2 and 3.
5. Turn handle to position 5 to share functions 1 and 3.
6. Turn handle to position 6 to share functions 1 and 2.



⚠ WARNING: This product can expose you to chemicals including lead, which is known to the state of California to cause cancer, birth defects, or other reproductive harm. For more information, go to www.P65Warnings.ca.gov.



Origins PLR

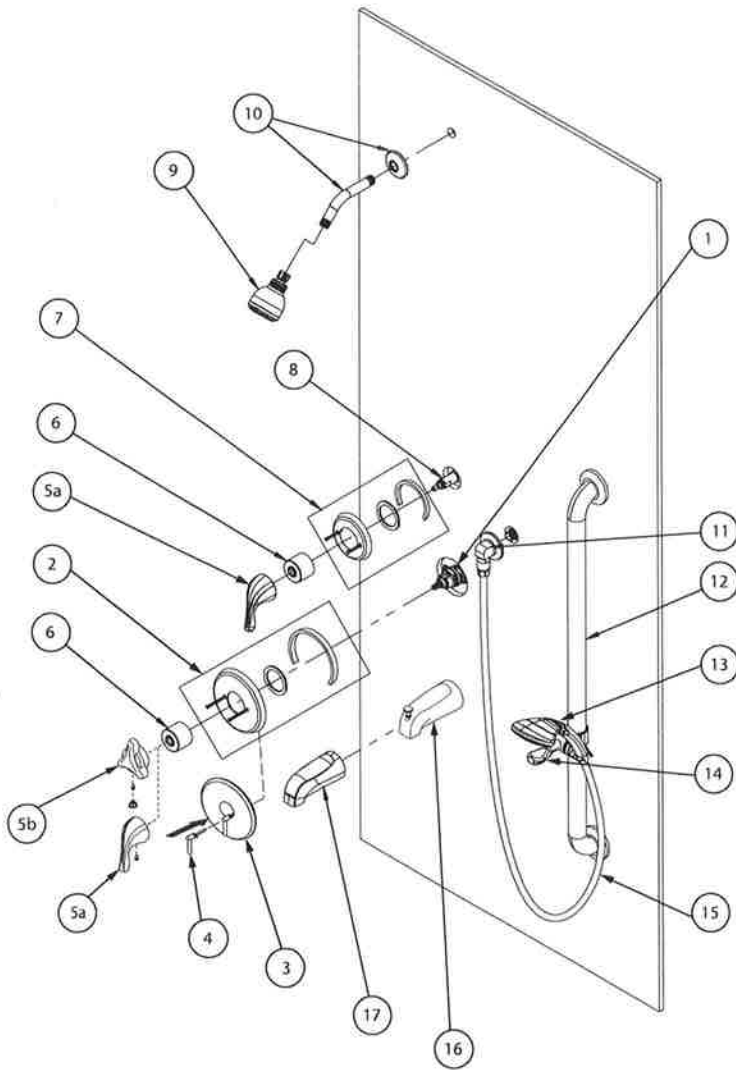
Origins P

Parts Breakdown Document

Model Numbers

- 9600P: Origins Shower Valve Trim, Valve only
- 9601P: Origins Shower Valve Trim, with showerhead
- 9602P: Origins Tub/Shower Trim
- 9603P: Origins Shower Trim, hand shower system
- 9604P: Origins Tub/Shower Trim, hand shower system and tub spout
- 9605P: Origins Shower Trim, Diverter Trim, Showerhead, hand shower system
- 9606P: Origins Tub/Shower Trim, Diverter Trim, with tub spout, showerhead, and hand shower system
- 9600PLR: Origins Shower Valve Trim, Valve only
- 9601PLR: Origins Shower Valve Trim, with showerhead
- 9602PLR: Origins Tub/Shower Trim
- 9603PLR: Origins Shower Trim, hand shower system
- 9604PLR: Origins Tub/Shower Trim, hand shower system and tub spout
- 9605PLR: Origins Shower Trim, Diverter Trim, Showerhead, hand shower system
- 9606PLR: Origins Tub/Shower Trim, Diverter Trim, with tub spout, showerhead, and hand shower system
- S9600P: Origins Shower Valve Trim, Valve only with Diverter Lever
- S9601P: Origins Shower Trim, with Showerhead and Diverter Lever
- S9602P: Origins Tub/Shower Trim, with Showerhead and Diverter Lever
- S9603P: Origins Shower Trim, Hand shower system with Diverter Lever
- S9604P: Origins Tub/Shower Trim, with hand shower and Diverter Lever
- S9605P: Origins Shower Trim, Showerhead, diverter lever, hand shower system
- S9606P: Origins Tub/Shower Trim with diverter lever, and hand shower system
- S9608P: Origins Shower Trim with Diverter Lever
- S9600PLR: Origins Shower Valve Trim, Valve only with Diverter Lever
- S9601PLR: Origins Shower Trim, with Showerhead and Diverter Lever
- S9602PLR: Origins Tub/Shower Trim, with Showerhead and Diverter Lever
- S9603PLR: Origins Shower Trim, Hand shower system with Diverter Lever
- S9604PLR: Origins Tub/Shower Trim, with hand shower and Diverter Lever
- S9605PLR: Origins Shower Trim, Showerhead, diverter lever, hand shower system
- S9606PLR: Origins Tub/Shower Trim with diverter lever, and hand shower system
- S9608PLR: Origins Shower Trim with Diverter Lever

Parts Breakdown



#	Description	Part Number
1	Temptrol shower valve	TA-10
2	Circle escutcheon kit	P: 9600-P-ESC* PLR: 9600-PLR-ESC*
3	Diverter Lever Escutcheon Kit	P: S-9600-P-ESC PLR: S-9600-PLR-ESC
4	Diverter Lever	RTS-062*
5a	Origins Handle, lever	RTS-063*
5b	Origins Handle, tristar	RTS-061*
6	Dome, cover	T-19*
7	Diverter escutcheon kit	96-66-DIV-ESC*
8	Diverter Assembly, 4 port	3DIVBODYSRT (3DIVBODYSRTNS for California)
	Diverter Assembly, 3 port	2DIVBODYSRT (2DIVBODYSRTNS for California)
9	Showerhead, single mode, Origins	4-141*
10	Shower arm	300S*
11	Elbow	FP-40*
12	Assembly, slide bar, 30"	BA0380936*
13	Hand shower	ADACHS*
14	Slide Mechanism	FP-SM6*
15	60" Hose	RTS-045*
16	Diverter Tub Spout	054*
17	Tub spout (thread on)	060*

*If finish is OTHER than chrome, part requires finish modifier

Finish Modifiers:

- STN - Satin Nickel finish