Installation Instructions

SELECTRONIC™ PROXIMITY URINAL FLUSH VALVE 0.125 GPF

MODEL NUMBERS

6063.013
6063.513
6590.525

Exposed Flushometer for 3/4" Top Spud Urinals

CLOG RESISTANT
- Self-cleaning piston valve prevents clogging and reduces maintenance.

ONE SENSOR FITS ALL
- Only 1 sensor for entire Selectronic™ line of faucets, urinals, and flush valves.
- Range can be adjusted manually or with optional remote control.
- Sensor Features Low Battery Indicator.

Certified to comply with ASME A112.19.2M

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M968541 REV.1.11

American Standard

NOTE TO INSTALLER: Please give this manual to the customer after installation.

To learn more about American Standard Faucets visit our website at: **www.americanstandard-us.com**
or U.S. customer's e-mail us at: **faucetsupport@americanstandard.com**

For Parts, Service, Warranty or other Assistance,
please call 1-800-442-1902 (In Canada: 1-800-387-0369)
(In Toronto Area only: 1-905-3061093)

Thank you for selecting American-Standard...the benchmark of fine quality for over 100 years. To ensure that your installation proceeds smoothly--please read these instructions carefully before you begin.

UNPACKING

All American Standard Products Are Water Tested At Our Factory. Some Residual Water May Remain In The Valve During Shipping.

1. Remove the Flush Valve items from the carton. The illustration below shows all items after they have been removed from the carton. Some items may be packaged partially assembled to other items.

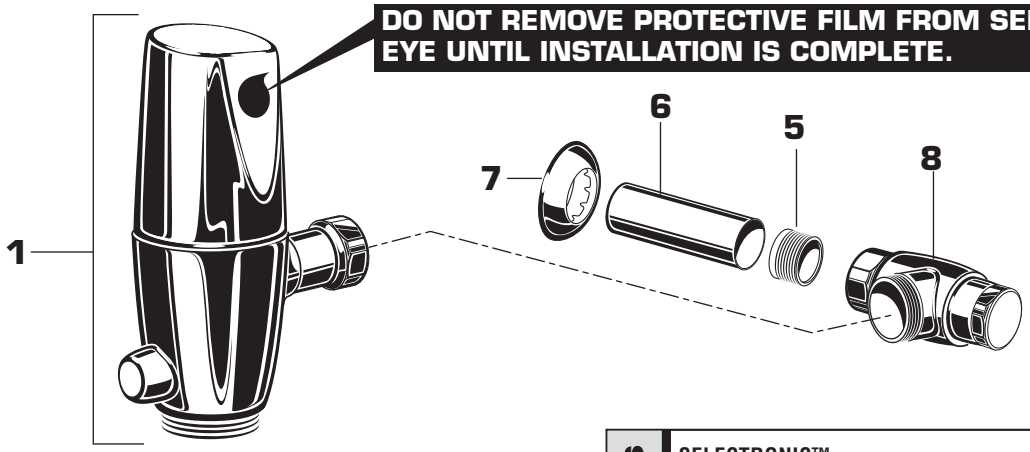
1. Flush Valve Assembly
2. Down Tube and Vacuum Breaker
3. Spud Coupling Nut and Washers
4. Spud Flange
5. Sweat Solder Adapter
6. Cover Tube
7. Wall Escutcheon
8. Supply Stop
9. Installation Instructions

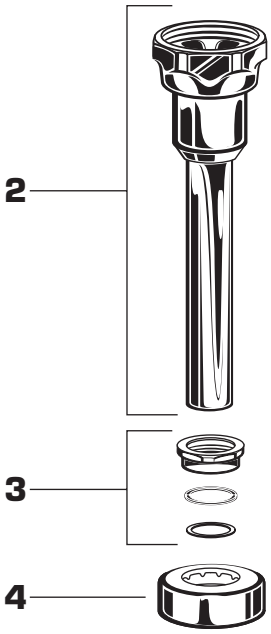
CARE INSTRUCTIONS:

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

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

DO NOT REMOVE PROTECTIVE FILM FROM SENSOR EYE UNTIL INSTALLATION IS COMPLETE.





9

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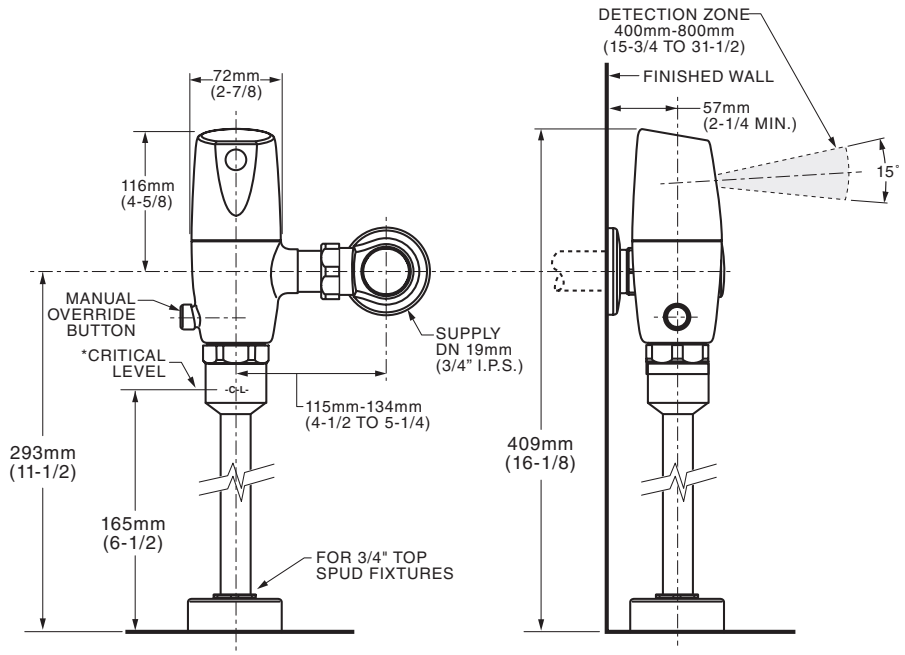
(In Toronto Area only: 1-905-3061093)

Fig. 1

Roughing-in Dimensions



*Note: The Critical Line (-C-L-) on Vacuum Breaker must typically be 6" (152mm) above fixture. Consult Codes for details.

GENERAL DESCRIPTION:

SELECTRONIC™
PROXIMITY URINAL
FLUSH VALVE

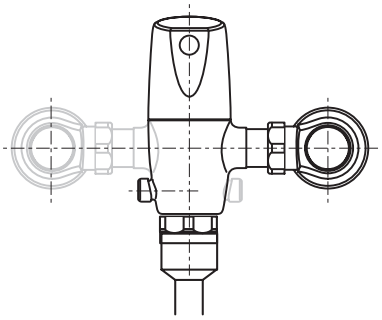
Exposed Flushometer for 3/4" Top Spud Fixtures

Exclusive, self cleaning piston-type flush valve with proximity operation and manual override. Operates on DC (battery) power. Recommended operating pressure 35 to 80 psi. Can install left or right-handed. Detection Zone can also be adjusted manually, or with optional remote control.

Valve is designed to provide stated flush volume with a 7.0 GPM flow rate.

Right or Left Hand Installation

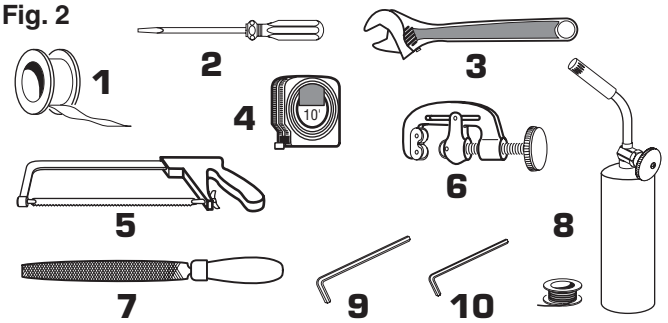
See **(Section 5)** for converting Flush Valve to Left Hand Installation.



RECOMMENDED TOOLS; Fig. 2

1. Teflon Tape
2. Flat Blade Screwdriver (For adjusting Supply Stop)
3. Adjustable Wrench
4. Tape Measure
5. Hacksaw
6. Tubing Cutter
7. File
8. For Sweat Connection; Solder and Torch
9. 2.5mm Hex Wrench
10. 1.5mm Hex Wrench

Fig. 2



PRIOR TO INSTALLATION

Note: ***Prior to installing the Selectronic™ Flush Valve the following items must be installed.***

1. Water Closet
2. Drain line
3. Water supply line

IMPORTANT:

- All plumbing and electrical wiring must be installed in accordance with applicable codes, regulations and standards.
- The use of water hammer arrestors is strongly recommended for commercial applications. All piping behind the walls should be properly secured and fastened.
- Water supply lines must be sized to provide an adequate volume of water for each fixture.
- Flush all water lines prior to operation (**See Step 6**). Dirt and debris can cause flush valve to run continuously.
- **With the exception of Supply Stop Inlet, DO NOT use pipe sealant or plumbing grease on any valve component or coupling!**
- Protect the chrome or special finish on the Flushometer. DO NOT USE toothed tools on finished surfaces to install or service these valves. Also see “Care and Cleaning” section of this manual.
- This product contains mechanical and/or electrical components that are subject to normal wear. These components should be checked on a regular basis and replaced as needed to maintain the valve’s performance.

1 INSTALL SWEAT SOLDER ADAPTER; Fig. 3

CAUTION **Turn water supplies off before beginning**

Note: ***Install Optional Sweat Solder Adapter (Supplied) for copper pipe supply line.*** **Fig. 3.**

1. Measure the distance (A) from the finished wall to the center of the inlet spud on the fixture.

2. Cut the supply pipe 1-1/4" (A-B=C) shorter then the measurement taken in Step 1. File any rough edges off the end of the supply pipe.

3. Clean the end of the supply pipe. Push the threaded Adapter on until it is seated against the internal stop. Sweat the Adapter to the pipe.

2 INSTALL COVER TUBE, WALL ESCUTCHEON and SUPPLY STOP; Fig. 4

1. Measure from finished wall to first thread of Adapter or threaded supply pipe (dimension "X"). Cut COVER TUBE **(1)** to length (X). Apply Teflon Tape to the threaded end of the Adapter or supply pipe. Fig. 4a.

2. Push the COVER TUBE **(1)** into the WALL ESCUTCHEON **(2)**. Slide both onto the SUPPLY PIPE **(3)**. Fig. 4b.

3. Push the COVER TUBE **(1)** in to expose the threads of the supply pipe. Fig. 4c. With a wrench thread the SUPPLY STOP **(4)** onto the SUPPLY PIPE **(3)**. Align and tighten. Fig. 4c.

4. Pull COVER TUBE **(1)** against SUPPLY STOP **(4)** and push WALL ESCUTCHEON **(2)** against finished wall.

3 INSTALL DOWN TUBE AND VACUUM BREAKER; Fig. 5

1. Place the SPUD FLANGE **(1)** over the spud on the Fixture.

2. Thread SPUD COUPLING NUT **(2)** onto Spud. Make sure SEAL WASHER **(3)** and FRICTION WASHER **(4)** are installed. Do not tighten fully.

3. Insert the DOWN TUBE **(5)** into the SPUD COUPLING NUT **(2)** and push it down.

Note: ***If cutting Down Tube (5) to size, note that Critical Line (C/L) on Vacuum Breaker must typically be 6" (152mm) above fixture. Consult Code for details.***

Fig.3

Fig.3a

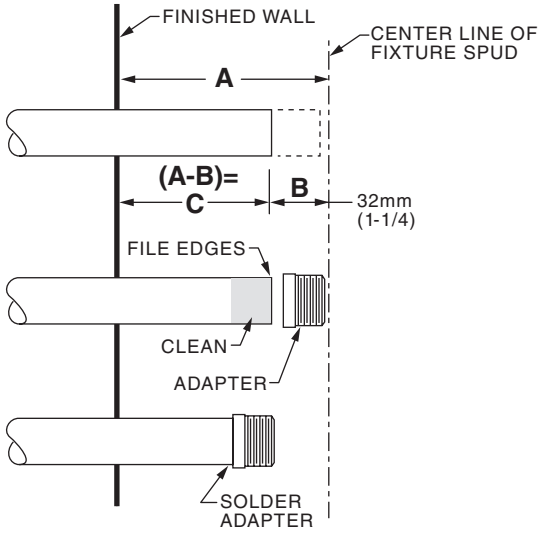


Fig. 4

Fig. 4a

Fig. 4b

Fig. 4c

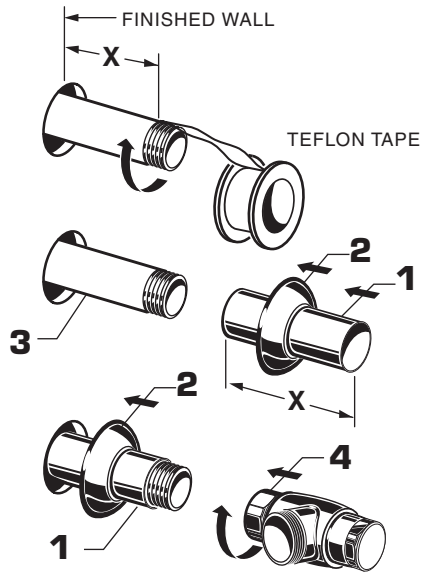
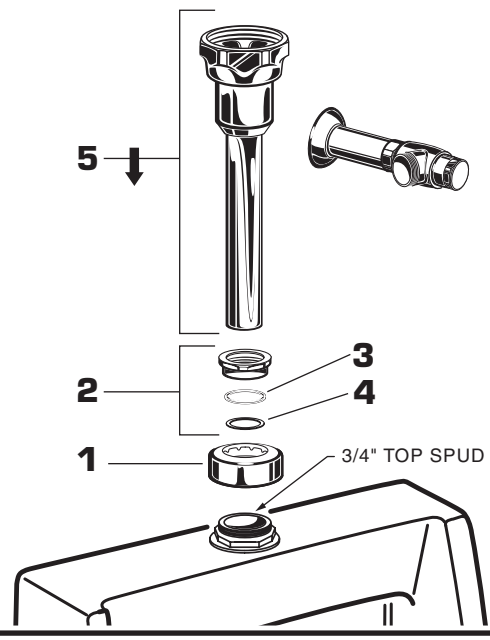


Fig. 5



4 FLUSH OUT SUPPLY LINES; Fig. 6

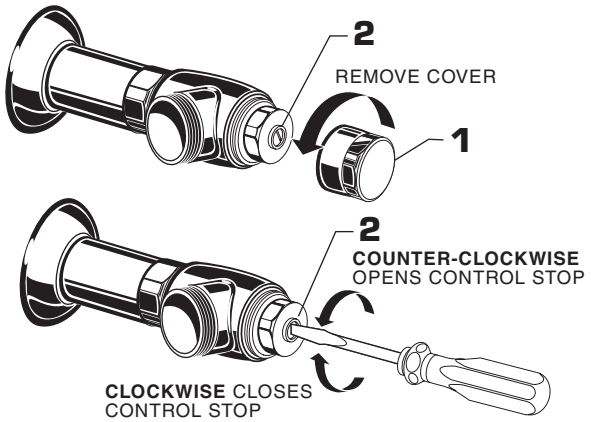
1. Remove COVER **(1)** from SUPPLY STOP **(2)**.

2. With a flat blade screwdriver open SUPPLY STOP **(2)**.

3. Turn on water supply to flush line of any debris or sediment.

4. Close SUPPLY STOP **(2)** and replace COVER **(1)**.

Fig. 6



5 LEFT OR RIGHT HAND INSTALLATION; Fig. 7

The UNIT is shipped with the inlet flange on the right side. If needed, the orientation can be reversed by following the steps below.

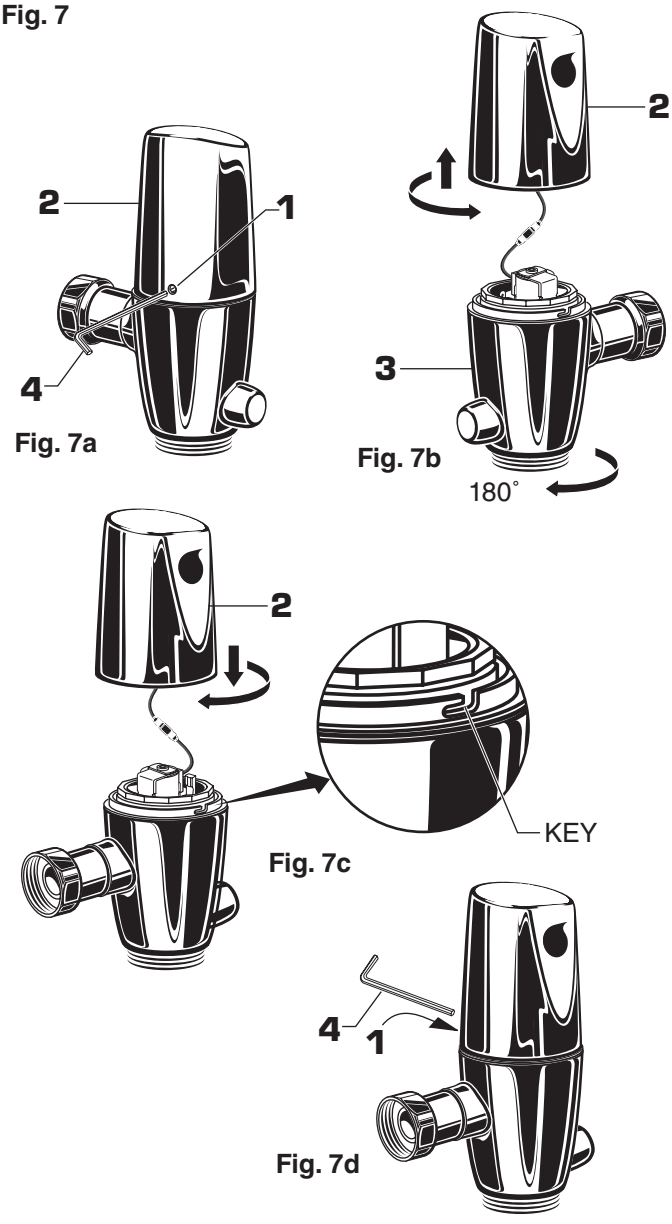
1. Loosen SET SCREW **(1)** with 2.5mm Hex Wrench **(4)** in back of top half of FLUSH VALVE **(2)**. **Fig. 7a.**

2. Rotate TOP **(2)** to the right and pull off. **Fig. 7b.**

3. Rotate bottom half of FLUSH VALVE **(3)** 180˚. **Fig. 7b.**

4. Replace TOP **(2)** and rotate until key engages than tighten SET SCREW **(1)**. **Fig. 7c, 7d.**

Fig. 7



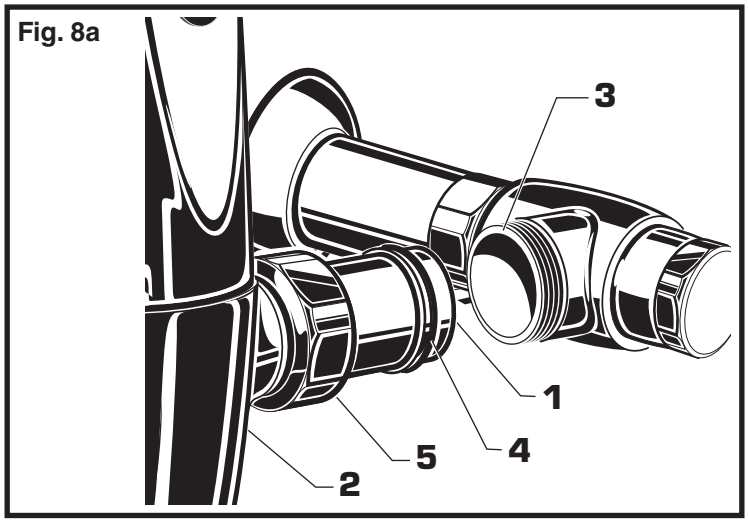
6 INSTALL FLUSH VALVE; Fig. 8a & 8b

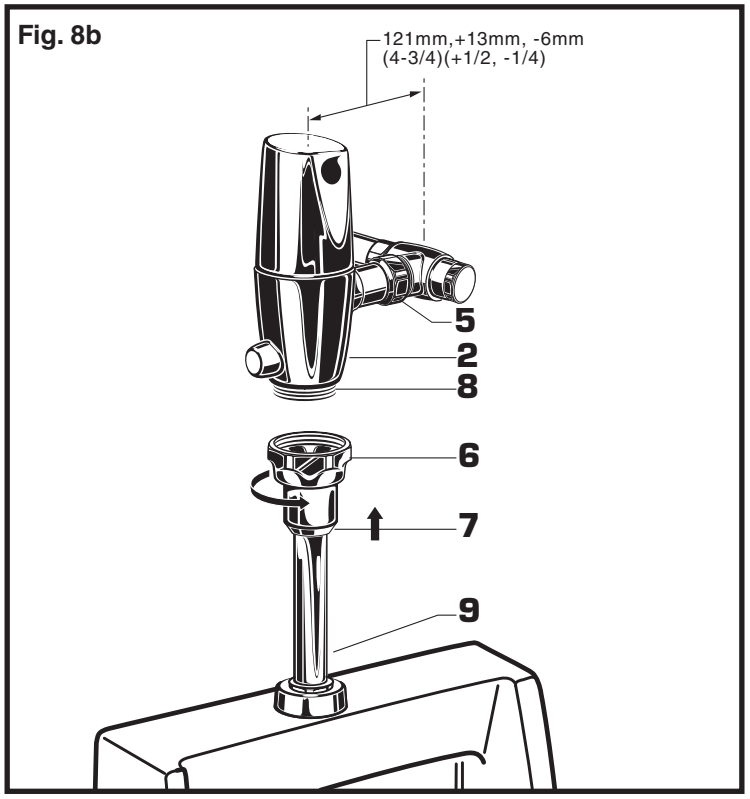
1. As shown in **Fig. 8a,** insert the side INLET FLANGE **(1)** on the FLUSH VALVE **(2)** into the SUPPLY STOP **(3)**. Lubricate the INLET FLANGE O-RING **(4)** with water if necessary. Lightly tighten COUPLING NUT **(5)**. **Fig. 8a.**
Important: ***Do not use lubricants (other than water) or any type of thread sealing paste or tape.***

2. Align the FLUSH VALVE **(2) (Fig. 8b)** directly above the DOWN TUBE **(7)** and VACUUM BREAKER COUPLING NUT **(6)**.
Note: ***There is a +13mm, -6mm (+1/2, -1/4) tolerance for the 121mm (4-3/4) dimension.*** **Fig. 8b.**

3. Pull the DOWN TUBE **(7)** up to meet the threaded FLUSH VALVE CONNECTION **(8)** and hand tighten the VACUUM BREAKER COUPLING NUT **(6)**. Align all components of the flush valve assembly. **Fig. 8b.**

4. Lightly tighten the COUPLING NUT **(5)** connection first, then the VACUUM BREAKER COUPLING NUT **(6)** and finally the SPUD COUPLING NUT **(9)**. Once alligned correctly, use a wrench to tighten couplings to make water tight connections. **Fig. 8b.**





7 ADJUST SUPPLY STOP; Fig. 9

IMPORTANT: ***To avoid overflowing, the SUPPLY STOP (3) must never be opened to the point where the flow from the valve exceeds the flow capacity of the fixture. The fixture must be able to handle a continuous flow in case of a flush valve failure. Valve is designed to provide stated flush volume with a 7.0 GPM flow rate.***

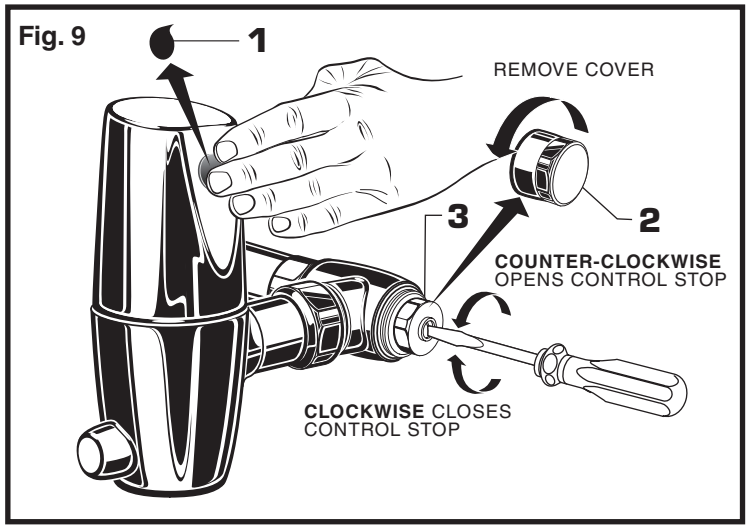
1. After installation is complete, peel off the PROTECTIVE FILM **(1)** from the sensor. Standing to one side, block the sensor with your hand for 10 seconds. ***Remove your hand and listen for audible "click" from within the valve.***

2. Remove COVER **(2)** from SUPPLY STOP **(3)**.Turn on water supply 1/4 turn to 1/2 turn(CCW) and test for leaks.
Note: ***Unit may flush for approximately 5 to 10 sec. when water is first turned on. If flow persists, turn water off and repeat step #1 above.***

3. Actuate the FLUSH VALVE:
A) Cover sensor with hand for 10 seconds.
NOTE: Stand outside of sensor detection aera.
B) Remove hand from in front of the sensor; unit will flush in approximately 3 seconds.

4. Adjust SUPPLY STOP **(3)** after each flush until the stated flush volume is achieved, no splashing occurs and the fixture is properly cleansed.

5. When adjustment is complete, replace COVER **(2)** and tighten to ensure vandal-resistance.



8 HOW TO RETROFIT OUR VALVE; Fig. 10

(Replaces Industry Standard Manual and Electronic Valves)

Note: In most Retrofits the wall escutcheon, supply stop, cover tube and vacuum breaker do not have to be replaced. If these items do need replacement they must be purchased separately or order the complete flush valve assembly from American Standard.

1. Remove COVER **(1)** from SUPPLY STOP **(2)** if installed. **Fig. 10.**

2. Turn water supply off. **Fig. 10.**

3. Loosen SPUD COUPLING NUT **(3)**. Unthread COUPLING NUT **(4)** and VACUUM BREAKER COUPLING NUT **(5)**. Remove FLUSH VALVE **(6)**. **Fig. 10.**

4. Clean all threaded connections before installing the new flush valve. **Fig. 10a.**

5. Refer to **Sections 5,6 and 7** to complete the retrofit installation. **Fig. 10b.**

9 HOW TO CHANGE THE BATTERY; (purchased after June 2013) Fig. 11

1. Loosen SET SCREW **(1)** with 2.5mm Hex Wrench **(2)** in back of top half of FLUSH VALVE CAP **(3)**. **Fig. 11a.**

2. Rotate CAP **(3)** to the right and pull off. **Fig. 11b.**

3. Turn CAP **(3)** over and disconnect the SENSOR **(4)** from the BATTERY CABLE **(5)**. Remove the BATTERY HOLDER **(6)** with BATTERY **(7)**. **Fig. 11c.**

4. Remove old BATTERY **(7)**. Install the new BATTERY **(8)** making sure the shape of the BATTERY **(8)** follows the shape of the BATTERY HOLDER **(6)**. **Fig. 11d.**

5. Insert the BATTERY HOLDER **(6)** with BATTERY **(8)** into FLUSH VALVE CAP **(3)**. Make sure the flat side of the BATTERY HOLDER **(6)** is facing towards the back of the FLUSH VALVE CAP **(3)**. Reverse the above steps to assemble flush valve. **Fig. 11d.**

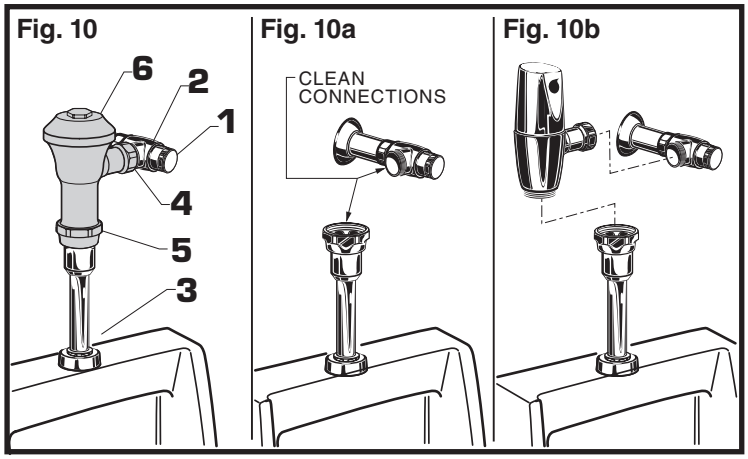
9a HOW TO CHANGE THE BATTERY; (purchased before June 2013) Fig.12

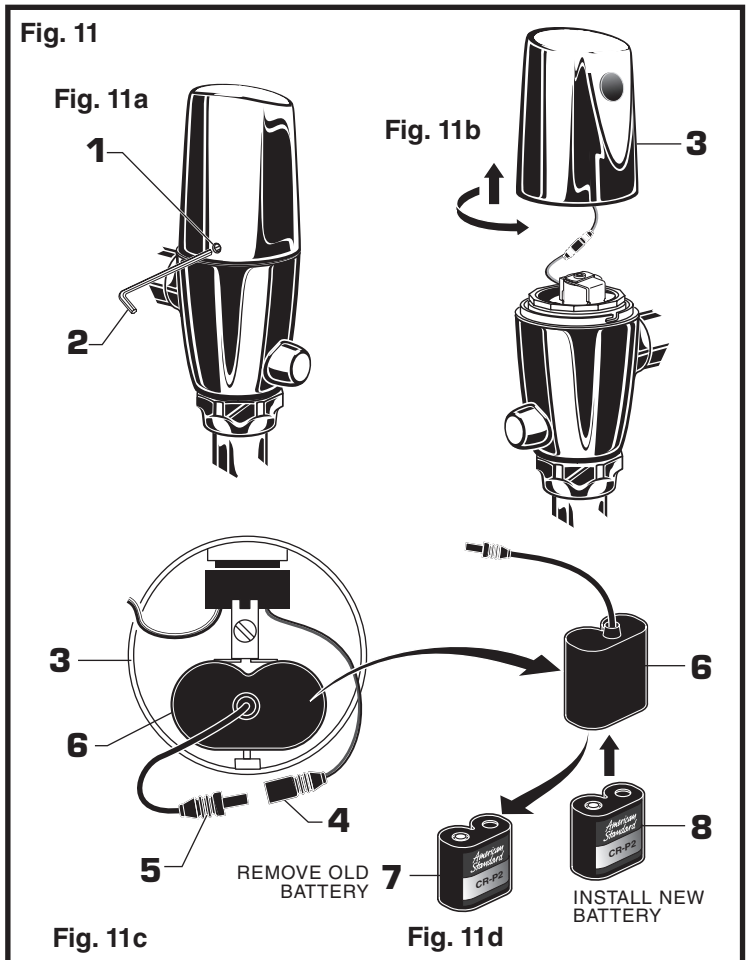
1. Remove CAP **(3).** Refer to Step 9 above. **Fig. 11a.**

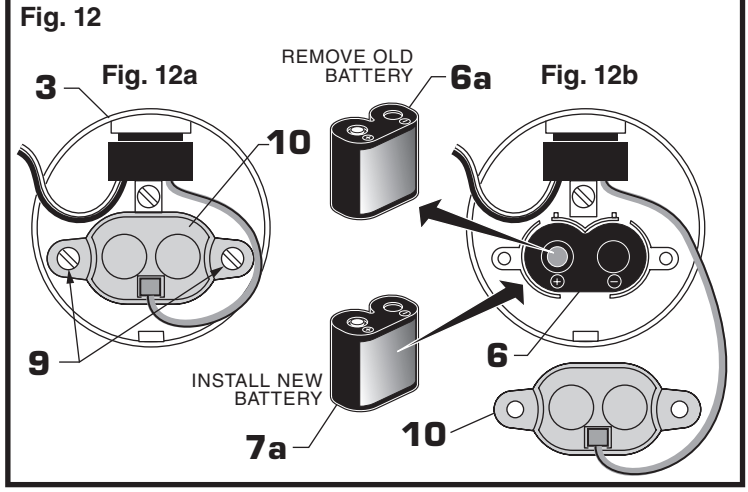
2. Turn CAP **(3)** over and remove the two SCREWS **(9)**. Remove the BATTERY COVER **(10)** to expose the battery **(6a)**. **Fig. 12a.**

3. Remove old BATTERY **(6a)**. Install the new BATTERY **(7a)** making sure the + & - are facing up towards the open end of the cover. **Fig. 12b.**

4. Replace the BATTERY COVER **(10)** reverse the above steps to assemble flush valve.







10 HOW TO SET DETECTION RANGE (If Required); (purchased after June 2013) Fig. 13 & 14

Note: ***The detection distance is preset and is ideal for most installations. Should an adjustment be required follow the steps below.***

1. Loosen SET SCREW **(1)** with 2.5mm Hex Wrench **(2)** in back of top half of FLUSH VALVE **(3)**. **Fig. 13a.**

2. Rotate CAP **(3)** to the right and pull off. **Fig. 13b.**

3. Turn CAP **(3)** over and disconnect SENSOR CABLE **(4)** from BATTERY HOLDER **(5)**. **Fig. 13c.**

4. Keeping hands away from the front of the sensor, reconnect the SENSOR CABLE **(4)** and quickly place the CAP **(3)** on the valve. Do not secure the CAP **(3)** at this time. ***Note: You have 5 seconds after connecting cable to enter program code.***

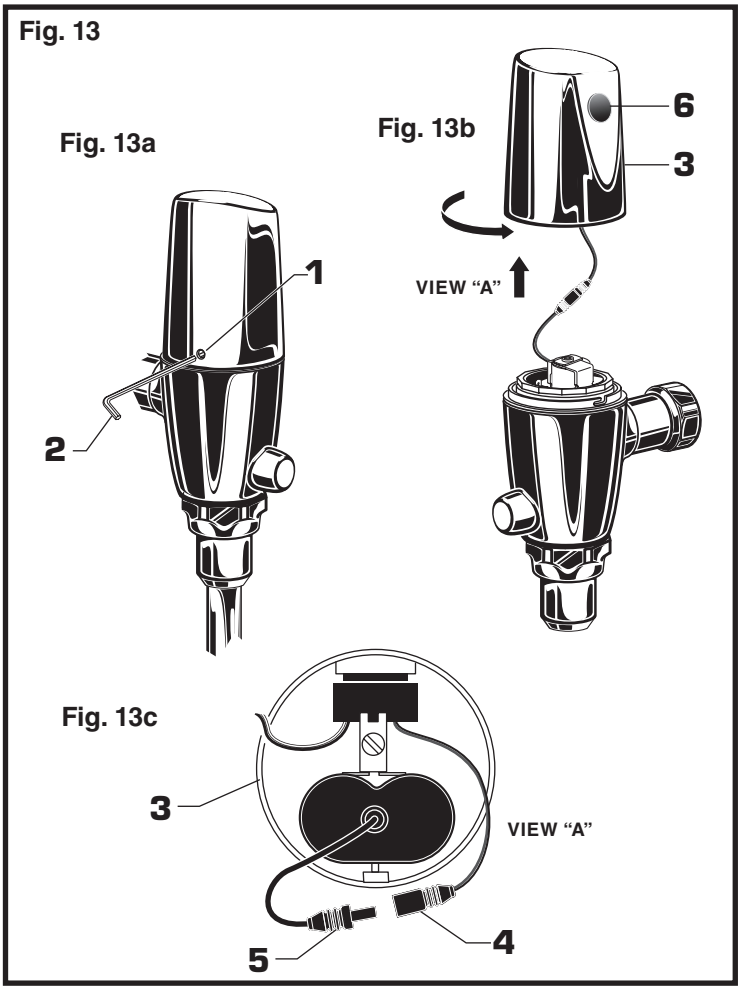
5. While the SENSOR CONTROL LED **(6)** is blinking slowly, place your hand 1 to 2 in. (30-50mm.) in front of the sensor. **Fig. 14a.**

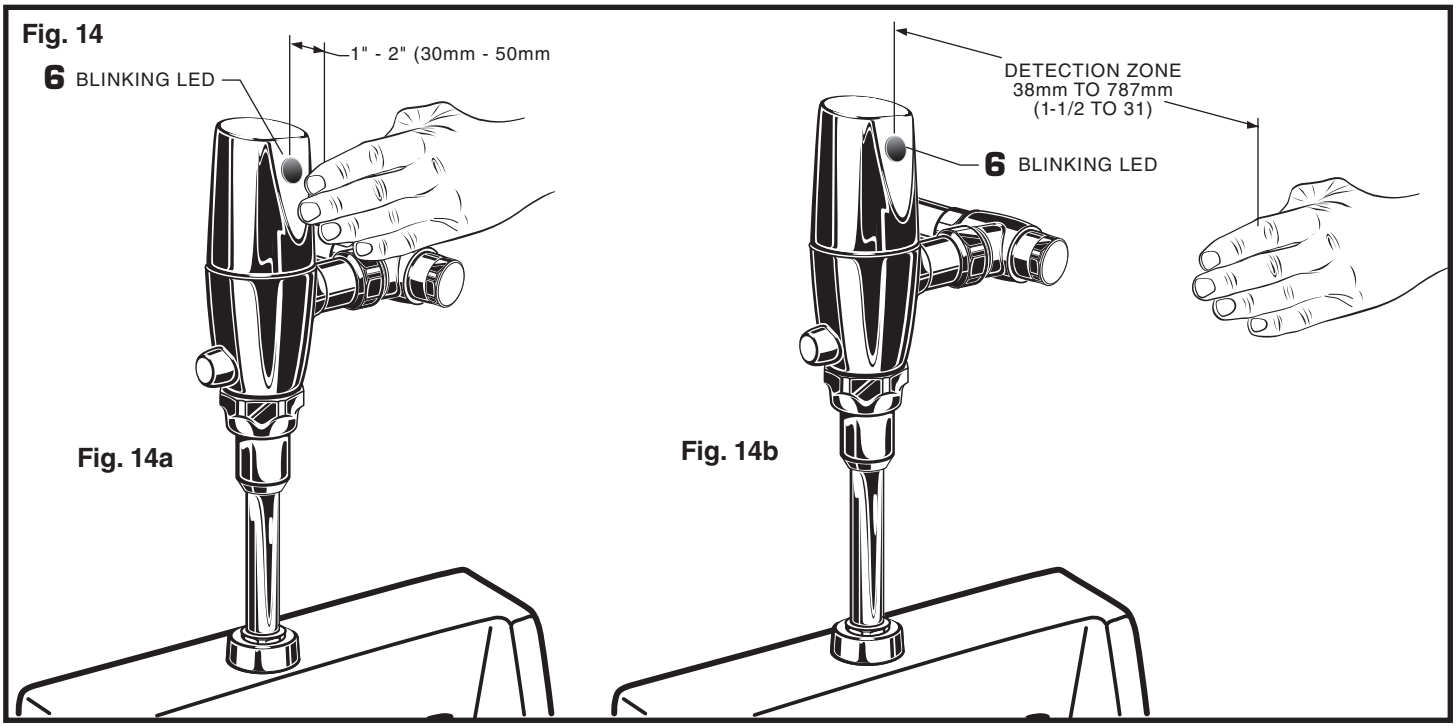
6. When the LED **(6)** stops blinking and stays "ON", move your hand to the desired position from sensor (detection zone, 1-1/2" to 31", 38 to 787mm) and hold in place until the LED **(6)** begins to blink again. **Fig. 14b.** ***Note: Detection Zone is 1-1/2" to 31", 38 to 787mm from sensor.***

7. Once the SENSOR CONTROL LED **(6)** begins to blink again, remove your hand from the detection zone. When the flashing stops, the detection distance is set.

8. Replace and secure CAP **(3)** onto valve.

9. Actuate the FLUSH VALVE:
A) Cover sensor with hand for 10 seconds. **NOTE: Stand outside of sensor detection aera.**
B) Remove hand from in front of the sensor; unit will flush in approximately 3 seconds.





10a HOW TO SET DETECTION RANGE (If Required) ; (purchased before June 2013)

Fig. 15 & 16

Note: ***The detection distance is preset and is ideal for most installations. Should an adjustment be required follow the steps below.***

1. Loosen SET SCREW **(1)** with 2.5mm Hex Wrench **(2)** in back of top half of FLUSH VALVE **(3)**. **Fig. 15a.**

2. Rotate CAP **(3)** to the right and pull off. **Fig. 15b.**

3. Turn CAP **(3)** over and disconnect GREY SENSOR WIRE **(4)** from BATTERY COVER **(5)**. **Fig. 15c.**

4. Keeping hands away from the front of the sensor, reconnect the GREY SENSOR WIRE **(4)** and quickly place the CAP **(3)** on the valve. Do not secure the CAP **(3)** at this time. ***Note: You have 5 seconds after connecting cable to enter program code.***

5. While the SENSOR CONTROL LED **(6)** is blinking slowly, place your hand 1 to 2 in. (30-50mm.) in front of the sensor. **Fig. 16a.**

6. When the LED **(6)** stops blinking and stays "ON", move your hand to the desired position from sensor (detection zone, 1-1/2" to 31", 38 to 787mm) and hold in place until the LED **(6)** begins to blink again. **Fig. 16b.** ***Note: Detection Zone is 1-1/2" to 31", 38 to 787mm from sensor.***

7. Once the SENSOR CONTROL LED **(6)** begins to blink again, remove your hand from the detection zone. When the flashing stops, the detection distance is set.

8. Replace and secure CAP **(3)** onto valve.

9. Actuate the FLUSH VALVE:
- A) Cover sensor with hand for 10 seconds. **NOTE: Stand outside of sensor detection aera.**
- B) Remove hand from in front of the sensor; unit will flush in approximately 3 seconds.

Fig. 15

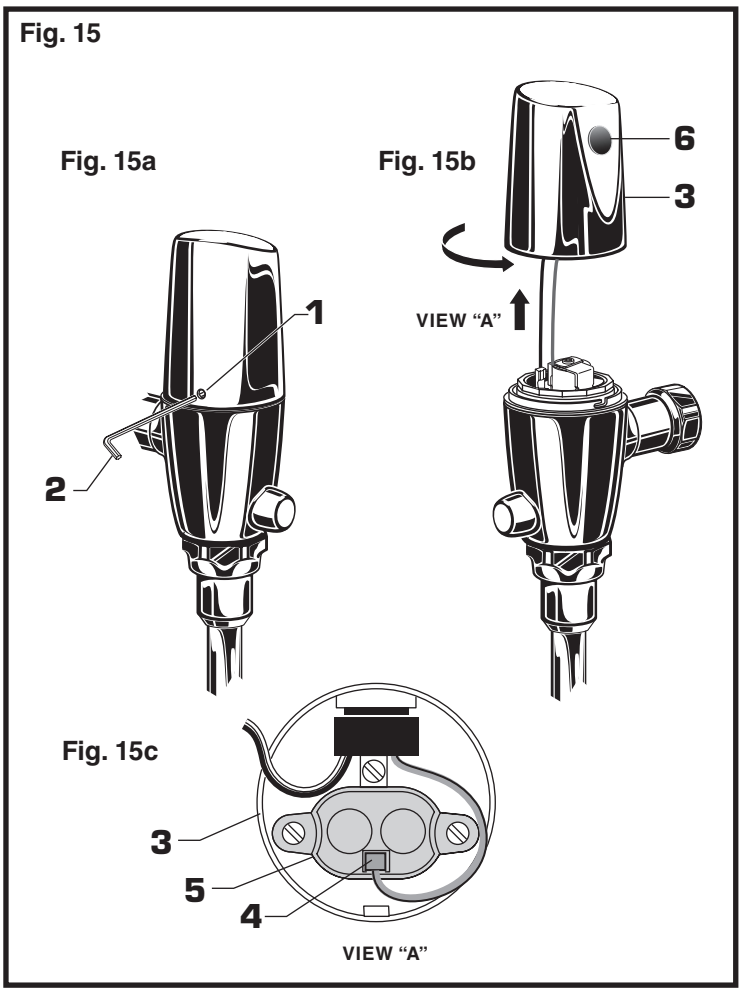
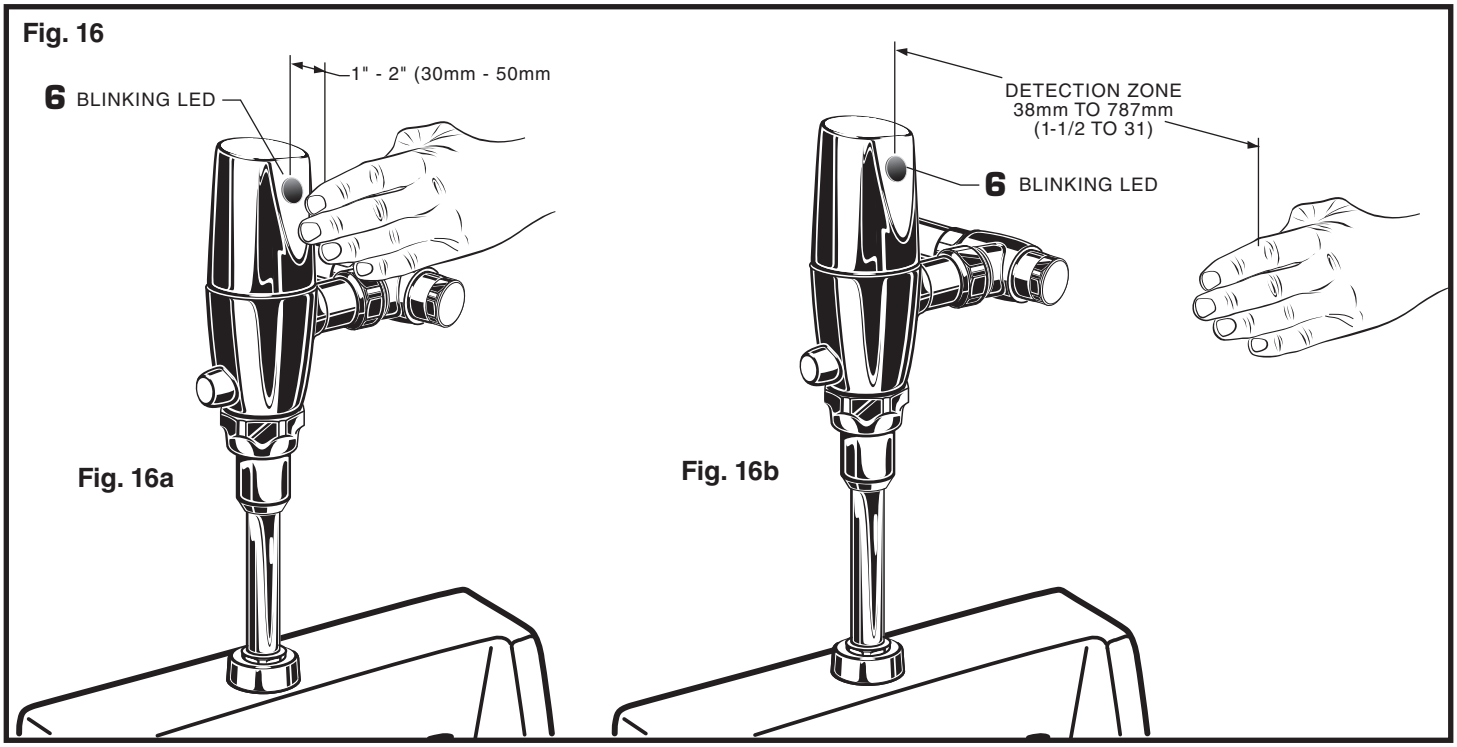


Fig. 16



UNIT DOES NOT FLUSH AT ALL

- IS STOP VALVE OPEN? → NO → OPEN VALVE
- YES
- LOOK FOR REPEATED DOUBLE FLASH ON SENSOR → YES → INSTALL NEW BATTERY
- NO
- TRY MANUAL VALVE BUTTON; WILL THE UNIT FLUSH? → NO → REPLACE PISTON KIT
- YES
- INSTALL NEW BATTERY *SEE STEP 10, page 6 in manual*
- DOES THE SENSOR FLASH FOR THE FIRST 5 SECONDS? → NO → REPLACE SENSOR
- YES
- RETRY AUTOMATIC FLUSH; WAS IT SUCCESSFUL? → NO → REPLACE SOLENOID KIT

UNIT IS CONTINUOUSLY FLUSHING

- PUSH MANUAL FLUSH BUTTON; DOES IT RETURN? → NO → MANUAL VALVE OBSTRUCTED. CLOSE STOP VALVE AND SERVICE
- 1. COVER SENSOR FOR 10 SECONDS 2. UNCOVER SENSOR FOR 10 SECONDS. DOES THE UNIT STOP FLUSHING? → YES → RETRY AUTO FLUSH
- NO
- LOOK FOR REPEATED DOUBLE FLASH ON SENSOR → YES → INSTALL NEW BATTERY *SEE STEP 10, page 6 in manual*
- NO
- TEST SENSOR. DISCONNECT GRAY FLAT WIRE FROM BATTERY COVER AND RE-CONNECT. SENSOR SHOULD FLASH FOR 5 SECONDS. DOES IT FLASH? → NO → REPLACE SENSOR
- YES
- 1. CLOSE STOP VALVE, 2. REPLACE SOLENOID KIT. 3. RE-ASSEMBLE AND INSTALL UNIT. 4. OPEN STOP VALVE.

UNIT WILL ONLY FLUSH MANUALLY

- LOOK FOR REPEATED DOUBLE FLASH ON SENSOR → YES → BATTERY LOW; REPLACE BATTERY *SEE STEP 10, page 6 in manual*
- NO
- 1. COVER SENSOR FOR 10 SECONDS 2. UNCOVER SENSOR FOR 10 SECONDS.
- RETRY AUTOMATIC FLUSH. DOES THE UNIT FLUSH?
- NO
- TEST SENSOR. DISCONNECT GRAY FLAT WIRE FROM BATTERY COVER AND RE-CONNECT. SENSOR SHOULD FLASH FOR 5 SECONDS. DOES IT FLASH? → NO → REPLACE BATTERY *SEE STEP 10, page 6 in manual*
- YES
- RETRY AUTOMATIC FLUSH.
- NO
- CLOSE STOP VALVE, REPLACE SOLENOID KIT. RE-ASSEMBLE & INSTALL UNIT. OPEN STOP VALVE.

TROUBLESHOOTING FLOW CHARTS

HOT LINE FOR HELP
For toll-free information and answers to your questions, call:
1 (800) 442-1902
Weekdays 8:00 a.m. to 6:00 p.m. EST
IN MEXICO 01-800-839-12-00
IN CANADA 1-800-387-0369 (TORONTO 1-905-306-1093)
Weekdays 8:00 a.m. to 7:00 p.m. EST

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