INSTALLATION INSTRUCTIONS

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



Models: 3043, 3248, 3249, 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

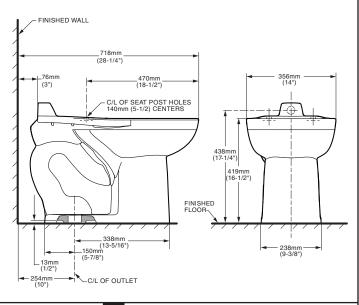
Putty Knife Regular Screwdriver Sealant Carpenters Level Adjustable Wrench Phillips Screwdriver Tape Measure Flush Valve

Pictures may not exactly define contour of china

Models 3043, 3248, 3461, 3462, 3465, 3466

FINISHED WALL 11 N.P.T. OR 1° C.W.T. SUPPLY TO FLUSH VALVE 718mm (28-1/4") (28-1/4") 102mm (4-3/4") (28-1/4") 102mm (14-3/4") 11mm (14-

Models 3249, 3463, 3464



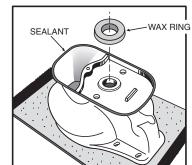
CLOSET FLANGE

CLOSET BOLTS

CLOSET BOLTS

INSTALL CLOSET BOLTS

Install closet bolts in flange channel, turn 90°, and slide into place 6" (152 mm) apart and parallel to wall.



INSTALL WAX SEAL

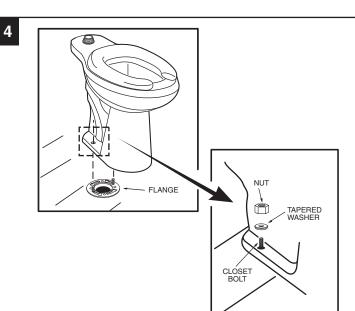
3

Invert toilet on floor (cushion to prevent damage), and install wax ring evenly around waste flange (horn), with tapered end of ring facing toilet. Apply a thin bead of sealant around toilet base.

Product names listed herein are trademarks of AS America, Inc.

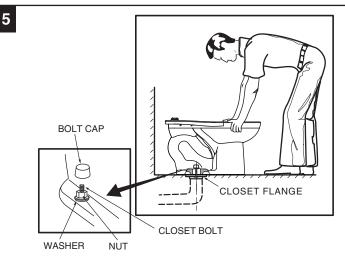
7301166-100 Rev. B

SAVE FOR FUTURE USE



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!



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.



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

AS AMERICA, INC. ONE YEAR LIMITED WARRANTY

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.

This limited warranty applies only to the original purchaser and installation of these products. In the event of a limited warranty claim, proof of purchase will be required—save sales receipt.

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 limited 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 limited 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 limited warranty. This limited warranty does not cover any liability for consequential or incidental damages, all of which are hereby expressly disclaimed, or the extension beyond the duration of this limited warranty of any implied limited warranties, including those of merchantability or fitness for an intended purpose. (Some states or provinces do not allow the exclusion or limitation of implied limited warranties, so this exclusion may not apply to you.)

This limited 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 limited warranty does not affect such statutory rights.

In the United States:

American Standard Brands
P.O. Box 6820
Piscataway, New Jersey 08855
Attention: Director of Customer Care
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:

AS Canada, ULC 5900 Avebury Rd. 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.mx

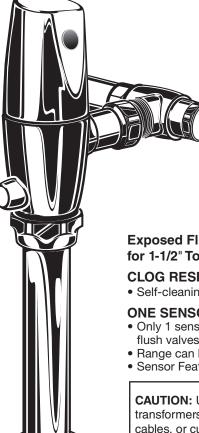
THIS WARRANTY IS NOT TRANSFERABLE FROM ORIGINAL CONSUMER PURCHASER.

SELECTRONIC® DC POWERED PROXIMITY EXPOSED **TOILET FLUSH VALVE** 1.1, 1.28, 1.6, 1.6/1.1 & 1.28/1.1 GPF

MODEL NUMBERS		
6065.111	6066.111	6065.521
0005 404	0000 404	0005 505

6065.121 6066.121 6065.525 6065.161 6066.161 6065.561 6065.721 6066.721 6065.565

6065.761 6066.761



Exposed Flushometer for 1-1/2" Top Spud Bowls

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.

CAUTION: Use only American Standard supplied transformers and cable sets. Using non-AS supplied cables, or cutting, splicing or modifying any components will void the warranty.

Certified to comply with ASME A112.19.2 © 2015 AS America, Inc.

American Standard

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

To learn more about American Standard Selectronic® Products visit our website at: www.americanstandard-us.com or e-mail us at: CRTTEAM@americanstandard.com

For Parts, Service, Warranty or other Assistance, please call (844) CRT-TEAM / (844) 278-8326 (In Canada: 1-800-387-0369) (In Toronto Area only: 1-905-306-1093))



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.

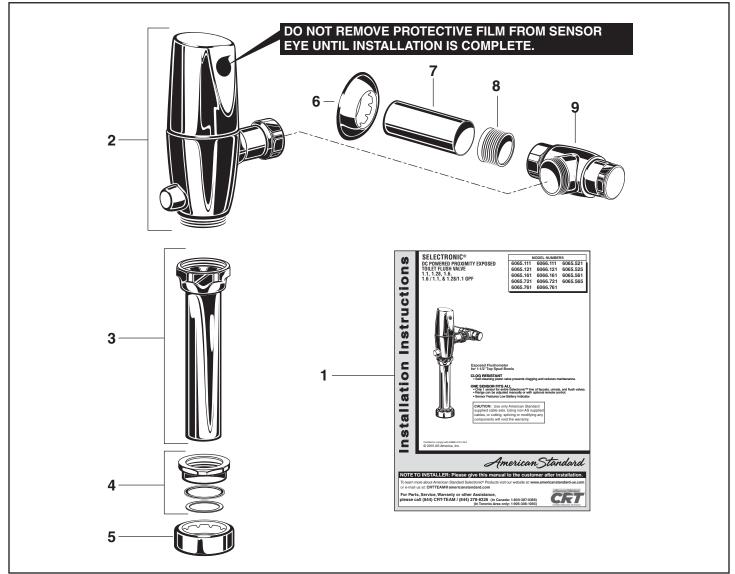
Remove the Flush Valve items from the carton. The illustration below shows all items after they have been removed from the carton. Some items may be packaged partially assembled to other items.

- 1. Installation Instructions
- 2. Flush Valve Body Assembly
- 3. Vacuum Breaker Tube
- 4. Spud Coupling Nut and Washers
- 5. Spud Flange

- 6. Wall Escutcheon
- 7. Cover Tube
- 8. Sweat Adapter
- 9. Stop Valve

CARE INSTRUCTIONS:

DO: CLEAN THE PRODUCT 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.



Roughing-in Dimensions Fig. 1 **GENERAL DESCRIPTION: SELECTRONIC® PROXIMITY TOILET FLUSH VALVE Right or Left Hand Installation** See (Section 5) for converting Flush Exposed Flushometer for 1-1/2" Top Spud Fixtures Valve to Left Hand Installation. 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 FINISHED WALL with optional remote control. 305 mm MÁX. (12" MÁX.) Φ MANUAL OVERRIDE BUTTON DETECTION ZONE 400mm-800mm (15-3/4 TO 31-1/2) (1" NPT.) 0 (NPT de 1") 412 mm (16-3/16") 292 mm (11-1/2") -108mm-134mm (4-1/4" TO 5-1/4") *-C-L-152mm MIN. (6") MIN. 170 mm MÁX. (6-11/16") MÁX. FOR 1-1/2" TOP SPUD FIXTURES **CAUTION:** Use only American Standard supplied transformers and cable sets. Using non-AS supplied cables, or cutting, splicing or modifying any components *Note: The Critical Line (-C-L-) on Vacuum Breaker must typically be 6" (152mm) above will void the warranty.

RECOMMENDED TOOLS; Fig. 2.

- 1. Teflon Tape
- 2. Flat Blade Screwdriver

fixture. Consult Codes for details.

- 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 3 6 5 8 7 9 10

PRIOR TO INSTALLATION

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

- 1. Toilet
- 2. Drain line
- 3. Water supply line

IMPORTANT:

- All plumbing and electrical wiring should be installed in accordance with applicable codes and regulations.
- 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 4).

 Dirt and debris can cause flush valve to run continuously.
- With the exception of Stop Valve 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.

FLUSH VALVE INSTALLATION

1 INSTALL SWEAT ADAPTER; Fig. 3

CAUTION Turn water supplies off before beginning

Note: Install Optional Sweat Adapter (Supplied) for copper pipe supply line.

- **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 than the measurement taken in Step 1. File any rough edges off the end of the supply pipe.
- Clean the end of the supply pipe. Push the threaded Adapter until it is seated against the internal stop. Sweat the Adapter to the pipe.

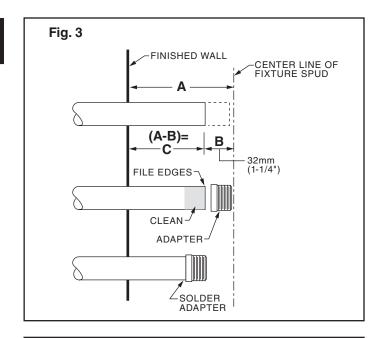
2 INSTALL COVER TUBE, WALL ESCUTCHEON and STOP VALVE; Fig. 4

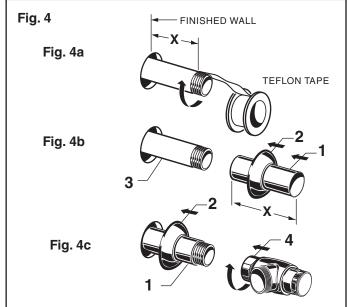
- Measure from finished wall to first thread of Adapter or threaded supply pipe (dimension "X"). Cut COVER TUBE (1) to length (X). Apply Teflon Tape to the threaded end of the Adapter or supply pipe.
- 2. Push WALL ESCUTCHEON (2) onto the COVER TUBE (1). Slide both onto the SUPPLY PIPE (3).
- Push the COVER TUBE (1) in to expose the threads of the supply pipe. With a wrench thread the STOP VALVE (4) onto the SUPPLY PIPE (3). Align and tighten.
- **4.** Pull COVER TUBE **(1)** against STOP VALVE **(4)** and push WALL ESCUTCHEON **(2)** against finished wall.

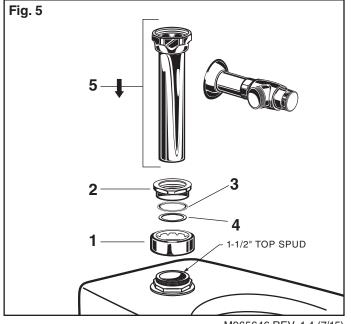
3 INSTALL VACUUM BREAKER TUBE; Fig. 5

- **1.** Place the SPUD FLANGE **(1)** over the spud on the Fixture.
- Place FRICTION WASHER (3) and SEAL WASHER
 (4) inside SPUD COUPLING NUT (2) and thread onto Spud. Do not tighten fully.
- 3. Insert the VACUUM BREAKER TUBE (5) into the SPUD COUPLING NUT (2) and push it down.

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







FLUSH OUT SUPPLY LINES; Fig. 6

- 1. Remove STOP VALVE COVER (1) from STOP VALVE (2).
- 2. Open STOP VALVE (2) with a flat blade screwdriver.
- 3. Turn on water supply to flush line of any debris or sediment.
- 4. Close STOP VALVE (2) and replace STOP VALVE COVER (1).

LEFT OR RIGHT HAND INSTALLATION: Fig. 7

The unit is shipped with adjustable tailpiece on the right side. If needed, the orientation can be modified by following the steps below.

- 1. Loosen SET SCREW (1) with 2.5mm Hex Wrench (4) in back of FLUSH VALVE COVER (2).
- 2. Rotate FLUSH VALVE COVER (2) to the right and pull off.
- 3. Rotate FLUSH VALVE BODY (3) 180°.
- 4. Replace COVER (2) and rotate until key engages. Tighten SET SCREW (1).

INSTALL FLUSH VALVE; Fig. 8, 8a

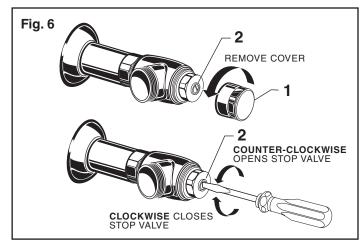
1. Insert ADJUSTABLE TAILPIECE (1) into the STOP VALVE (2). Lubricate the O-RING (3) with water if necessary. Lightly tighten COUPLING NUT (4). Fig. 8.

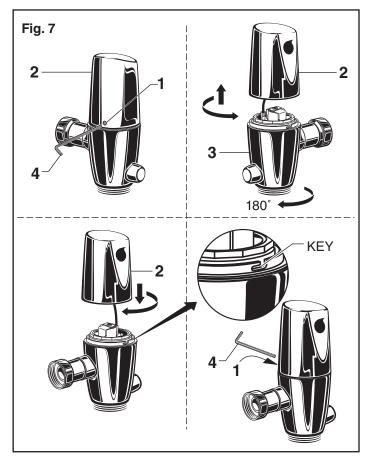
Important: Do not use lubricants (other than water) or any type of thread sealing paste or tape

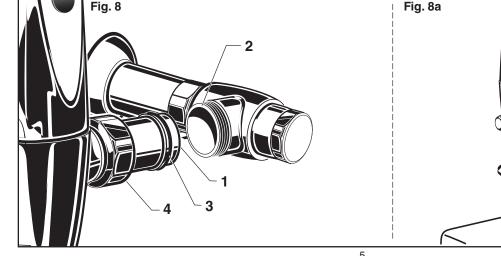
2. Align the FLUSH VALVE BODY (5) directly above the VACUUM BREAKER TUBE (7) and VACUUM BREAKER COUPLING NUT (6). Fig. 8a.

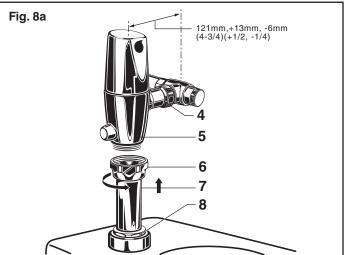
Note: There is a +13mm, -6mm (+1/2, -1/4) tolerance for the 121mm (4-3/4) dimension. Fig. 8a.

- 3. Pull the VACUUM BREAKER TUBE (7) up to meet the threaded FLUSH VALVE BODY (5), hand tighten the VACUUM BREAKER COUPLING NUT (6). Align all components of the flush valve assembly. Fig. 8a.
- 4. Lightly tighten the COUPLING NUT (4) connection first, then the VACUUM BREAKER COUPLING NUT (6) and finally the SPUD COUPLING NUT (8). Once alligned correctly, use a wrench to tighten couplings to make water tight connections. Fig. 8a.









MAINTENANCE

A ADJUST STOP VALVE; Fig. 9

IMPORTANT: To avoid overflowing, the STOP VALVE (3) must never be opened to the point where the flow from the valve exceeds the flow capacity of the fixture.

- 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.
- Remove STOP VALVE COVER (2) from STOP VALVE (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 area.

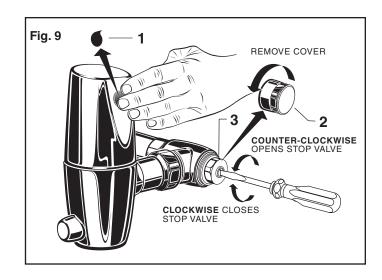
- B) Remove hand from in front of the sensor; unit will flush in approximately 3 seconds.
- **4.** Adjust STOP VALVE **(3)** after each flush until the stated flush volume is achieved, no splashing occurs and the fixture is properly cleansed.
- **5.** When adjustment is complete, replace STOP VALVE COVER **(2)** and tighten to ensure vandal-resistance.

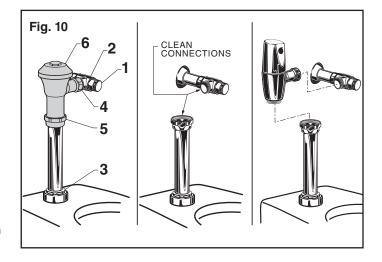
B RETROFITING WITH SELECTRONIC VALVE; Fig. 10

(Replaces Industry Standard Manual and Electronic Valves)

Note: In most Retrofits the wall escutcheon, stop valve, 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 STOP VALVE COVER (1) from STOP VALVE (2).
- 2. Turn water supply off.
- Loosen SPUD COUPLING NUT (3). Unthread COUPLING NUT (4) and VACUUM BREAKER COUPLING NUT (5). Remove FLUSH VALVE (6).
- Clean all threaded connections before installing the new flush valve.
- Refer to Sections 4, 5 and 6 to complete the retrofit installation.



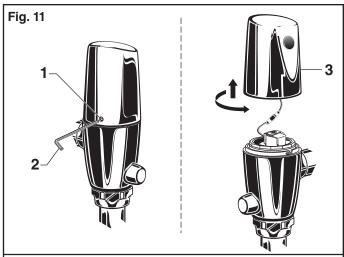


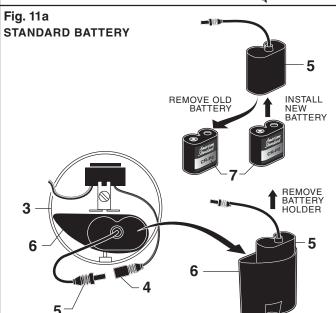
C REPLACE BATTERY; Fig. 11, 11a

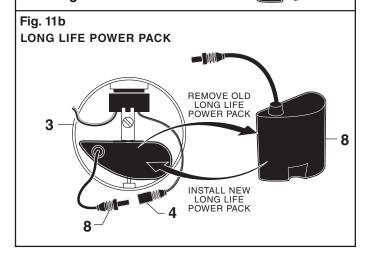
- 1. Loosen SET SCREW (1) with 2.5mm Hex Wrench (2) in back of FLUSH VALVE COVER (3). Fig. 11.
- 2. Rotate COVER (3) to the right and pull off. Fig. 11.
- 3. Turn COVER (3) over and disconnect the SENSOR (4) from the BATTERY HOLDER (5). Remove the BATTERY CONTAINER (6) with BATTERY HOLDER (5) and BATTERY (7) inside. Fig. 11a.
- **4.** Remove BATTERY HOLDER **(5)** from BATTERY CONTAINER **(6)**. **Fig. 11a**.
- 5. Remove old BATTERY from BATTERY HOLDER (5). Install the new BATTERY (7) making sure the shape of the BATTERY follows the shape of the BATTERY HOLDER (5). Fig. 11a.
- 6. Insert BATTERY HOLDER (5) with BATTERY into BATTERY CONTAINER (6). Instert BATTERY CONTAINER (6) into flush valve COVER (3). Fig. 11a.
- 7. Connect BATTERY HOLDER (5) to SENSOR (4) and reverse the above steps to assemble flush valve. Fig. 11a.

D REPLACE LONG LIFE POWER PACK; Fig. 11, 11b

- 1. Loosen SET SCREW (1) with 2.5mm Hex Wrench (2) in back of FLUSH VALVE COVER (3). Fig. 11.
- 2. Rotate COVER (3) to the right and pull off. Fig. 11.
- 3. Turn COVER (3) over and disconnect SENSOR (4) from LONG LIFE POWER PACK (8). Fig. 11b.
- **4.** Remove old LONG LIFE POWER PACK **(8)** and insert new unit. **Fig. 11b**.
- Connect new LONG LIFE POWER PACK (8) to SENSOR (4). Reverse the above steps to assemble flush valve. Fig. 11b.







E SET DETECTION RANGE (If Required); Fig. 13 y 14

Note: The detection distance is preset and 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 FLUSH VALVE COVER (3). Fig. 13a.
- 2. Rotate COVER (3) to the right and pull off. Fig. 13b.
- 3. Turn COVER (3) over and disconnect CABLE (4) from BATTERY HOLDER (5). Fig. 13.
- 4. Keeping hands away from the sensor detection area, reconnect the SENSOR (4) and quickly place the COVER (3) on the valve. Do not secure the COVER (3) at this time.

Note: You have 5 seconds to begin entering the program code after power connection is made.

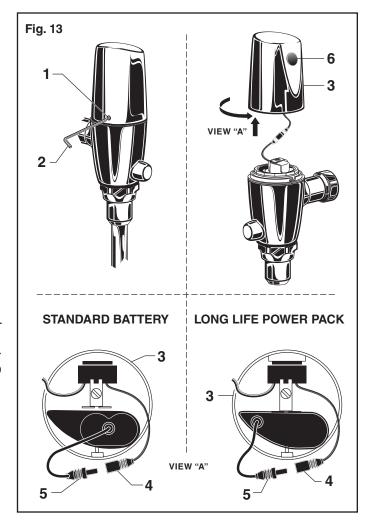
- 5. While the SENSOR CONTROL LED (1) is blinking slowly, place your hand 1 to 2 in. (30-50mm.) in front of the sensor. Fig. 14.
- 6. When the LED (1) stops blinking and stays "ON," move your hand to the desired position and hold in place until the LED (1) begins to blink again. Fig. 14.

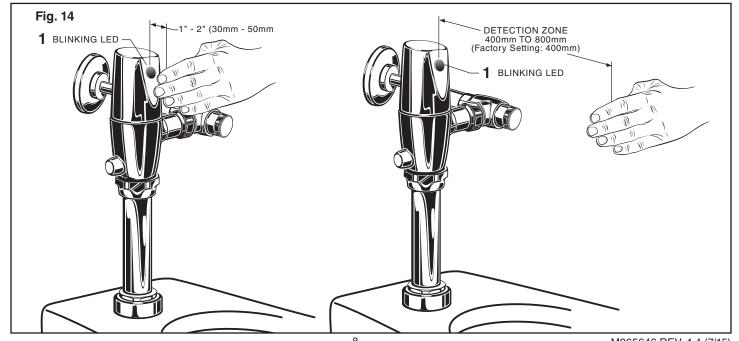
Note: Detection Zone is 400mm - 800mm. (Factory Setting: 400mm)

- 7. Once the SENSOR CONTROL LED (1) begins to blink again, remove your hand from the detection zone. When the flashing stops, the detection distance is set.
- 8. Replace and secure COVER (3) onto valve.
- 9. Actuate the FLUSH VALVE:
 - A) Cover sensor with hand for 10 seconds.

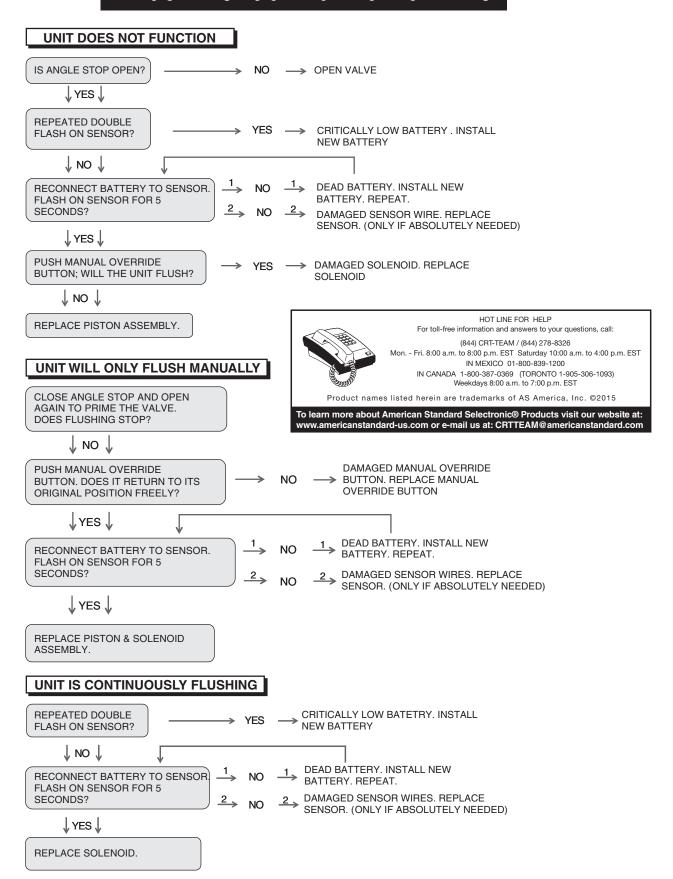
NOTE: Stand outside of sensor detection area.

B) Remove hand from in front of the sensor; unit will flush in approximately 3 seconds.

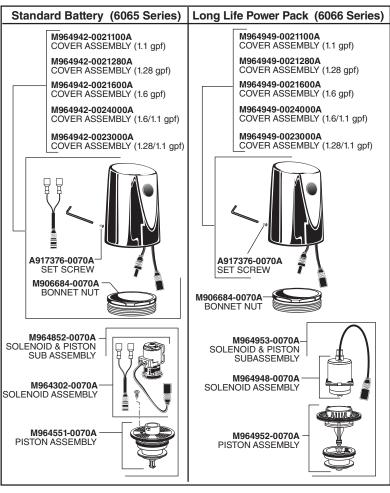


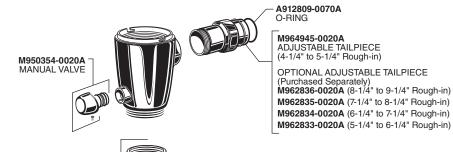


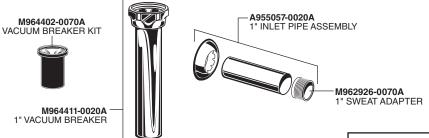
TROUBLESHOOTING FLOW CHARTS



American Standard







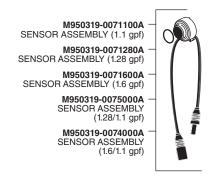
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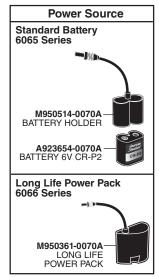
ESCUTCHEON KIT

SELECTRONIC®

DC POWERED PROXIMITY EXPOSED TOILET FLUSH VALVE 1.1, 1.28, 1.6, 1.6/1.1 & 1.28/1.1 GPF

MODEL NUMBERS 6065.111 6066.111 6065.521 6065.121 6066.121 6065.525 6065.161 6066.161 6065.561 6065.721 6066.721 6065.565 6065.761 6066.761









HOT LINE FOR HELP For toll-free information and answers to your questions, call:

(844) CRT-TEAM / (844) 278-8326 Mon. - Fri. 8:00 a.m. to 8:00 p.m. EST Saturday 10:00 a.m. to 4:00 p.m. EST IN MEXICO 01-800-839-1200 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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