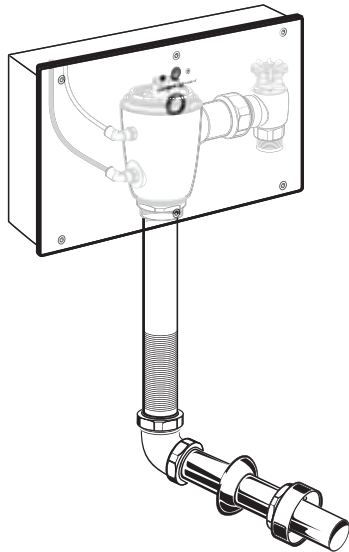


Installation Instructions

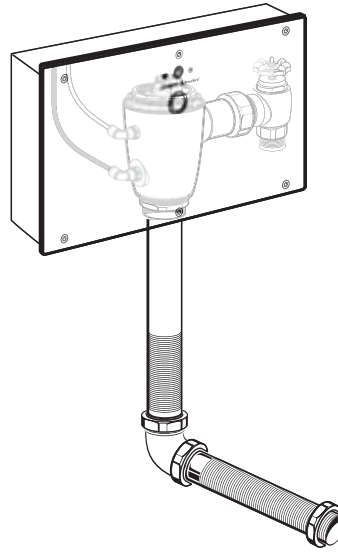
SELECTRONIC® CONCEALED TOILET FLUSH VALVE 1.28 & 1.6 GPF

MODEL NUMBERS

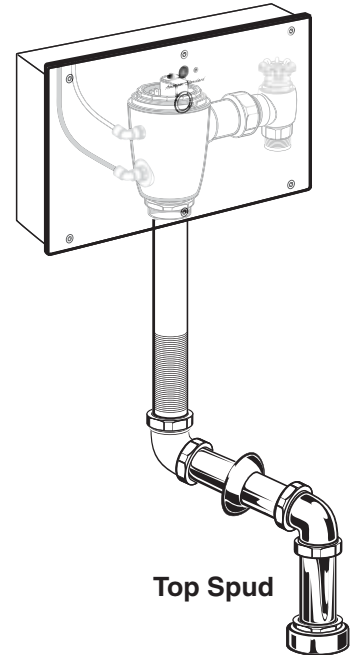
6065.32X 6065.36X
6067.32X 6067.36X
6068.32X 6068.36X



Exposed Back Spud



Concealed Back Spud



Top Spud

Concealed Flushometer for 1-1/2" Top or Back 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 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
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M965642 Rev. 1.1 (12/14)

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)

American Standard
CRT
Certified Response Technician

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 | 7. Manual Override Hoses | 9a. DC Standard Battery and Battery Holder |
| 2. Flush Valve Body Assembly | 8a. Vacuum Breaker Flush Connection (Exposed Back Spud) | 9b. AC Power Supply (Model# 6067) |
| 3. Cover Plate with Sensor | 8b. Vacuum Breaker Flush Connection (Concealed Back Spud) | 10. 27" Cable Extension, Qty. (2) |
| 4. Wall Box | 8c. Vacuum Breaker Flush Connection (Top Spud) | 11. Y-Adapter |
| 5. Sweat Adapter | | 12. 10' Extension |
| 6. Stop Valve | | 13. Safety Chain |

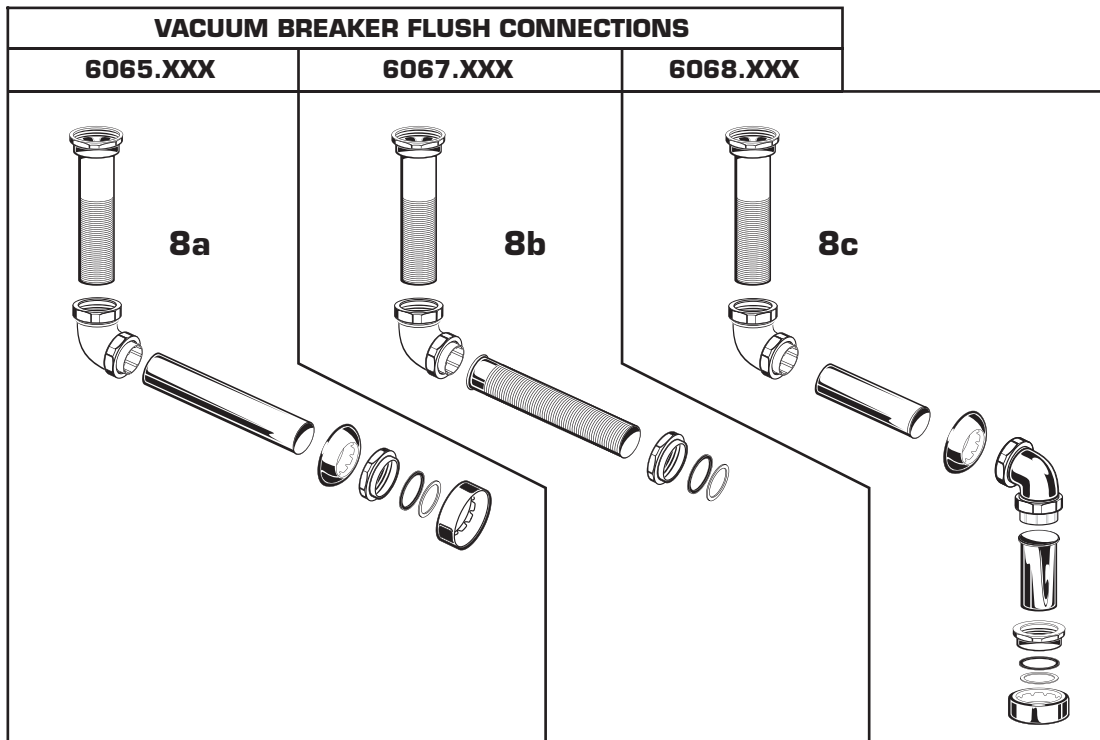
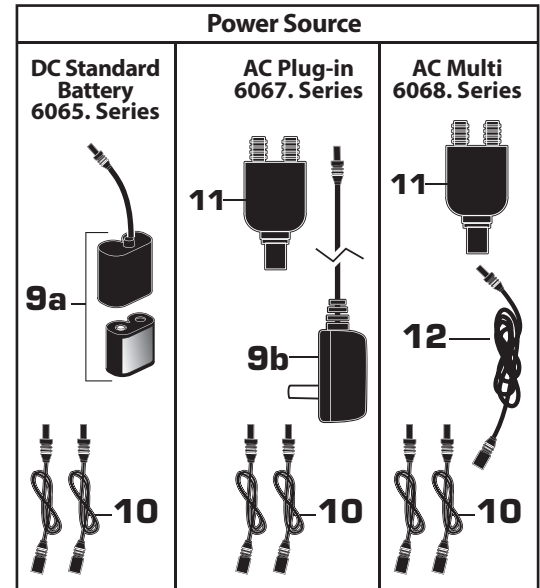
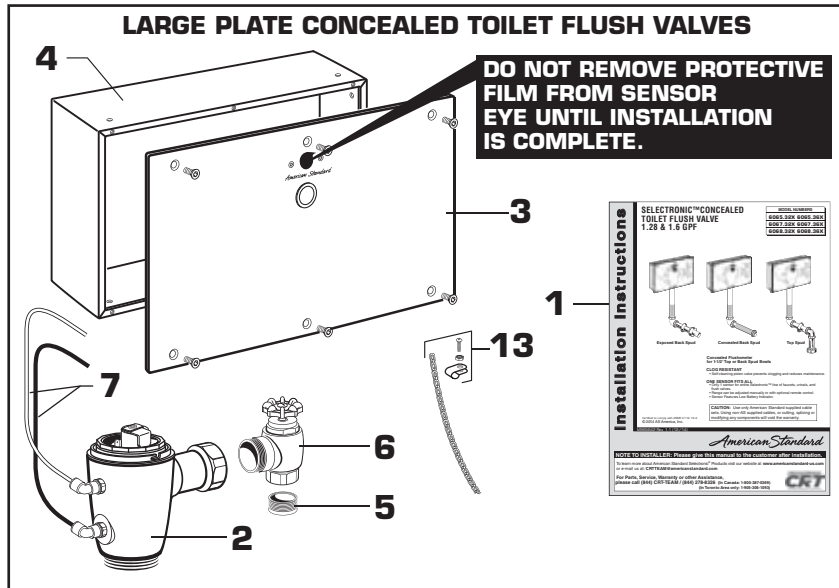
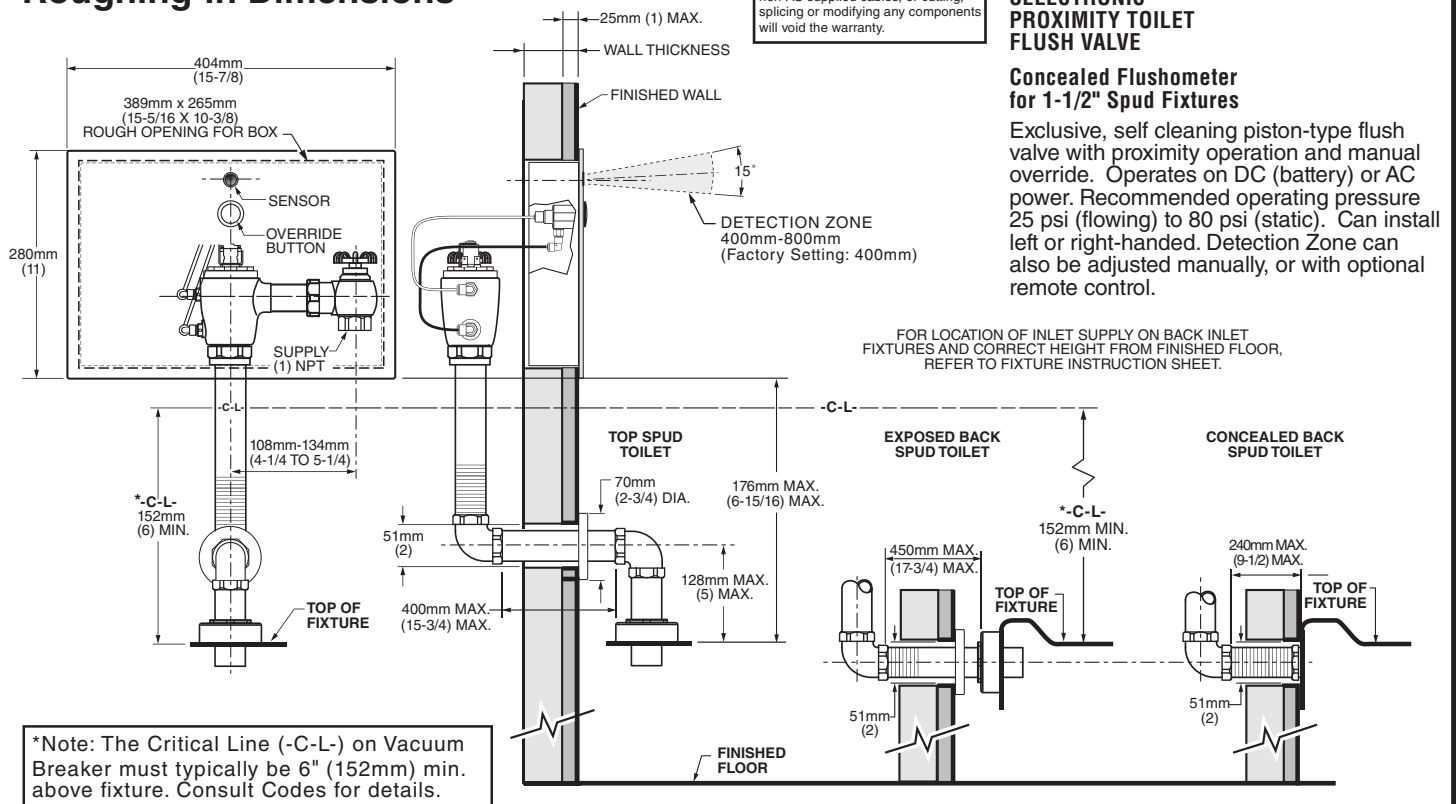


Fig. 1
Roughing-in Dimensions



GENERAL DESCRIPTION:

**SELECTRONIC™
PROXIMITY TOILET
FLUSH VALVE**

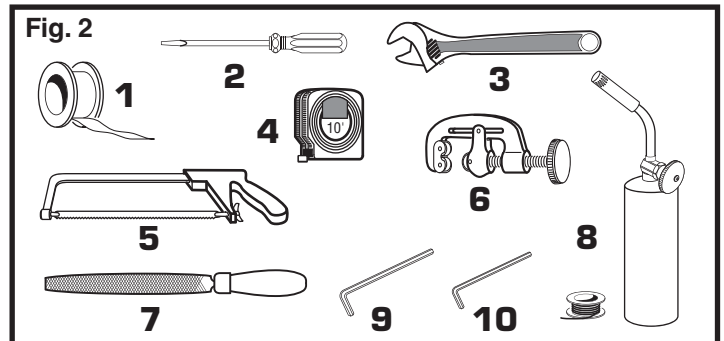
**Concealed Flushometer
for 1-1/2" Spud Fixtures**

Exclusive, self cleaning piston-type flush valve with proximity operation and manual override. Operates on DC (battery) or AC power. Recommended operating pressure 25 psi (flowing) to 80 psi (static). Can install left or right-handed. Detection Zone can also be adjusted manually, or with optional remote control.

FOR LOCATION OF INLET SUPPLY ON BACK INLET FIXTURES AND CORRECT HEIGHT FROM FINISHED FLOOR, REFER TO FIXTURE INSTRUCTION SHEET.

RECOMMENDED TOOLS; Fig. 2

1. Teflon Tape
2. Flat Blade Screwdriver
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



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 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 3**). 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 chrome plated items. **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.

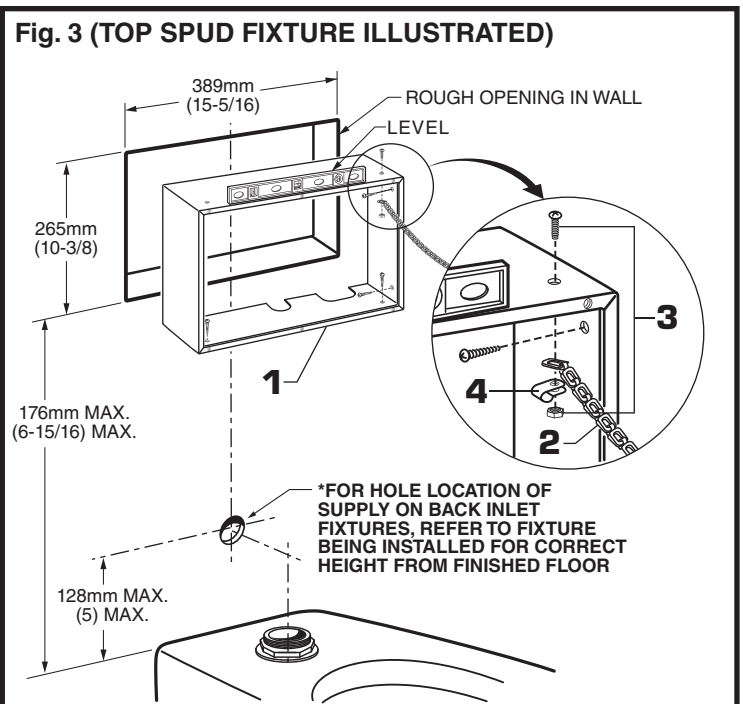
FLUSH VALVE INSTALLATION

1 INSTALL WALL BOX; Fig. 3

1. Frame out a 389mm x 265mm (15-5/4" X 10-3/8") rough opening in wall for the WALL BOX (1) at the dimension shown.
2. Fasten one end of the SAFETY CHAIN (2) and CLIP (4) to the WALL BOX (1) with NUT & SCREW (3) provided.
3. Install the WALL BOX (1) into rough opening in the wall. Level and secure the WALL BOX (1) to the wall opening with screws.

Important: *Front face of WALL BOX (1) should be flush with finished wall.*

4. Cut a 2" hole for outlet pipe at dimension shown.*

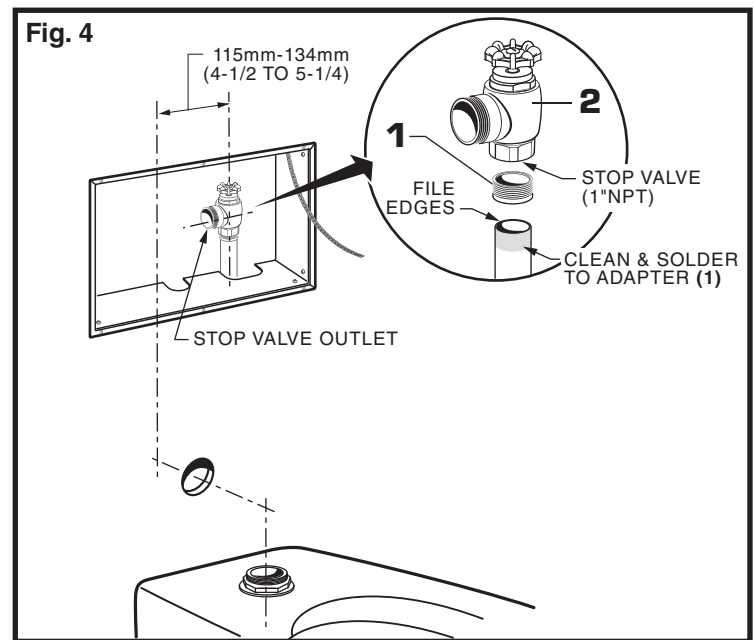


2 INSTALL SWEAT ADAPTER; Fig. 4

CAUTION Turn water supplies off before beginning

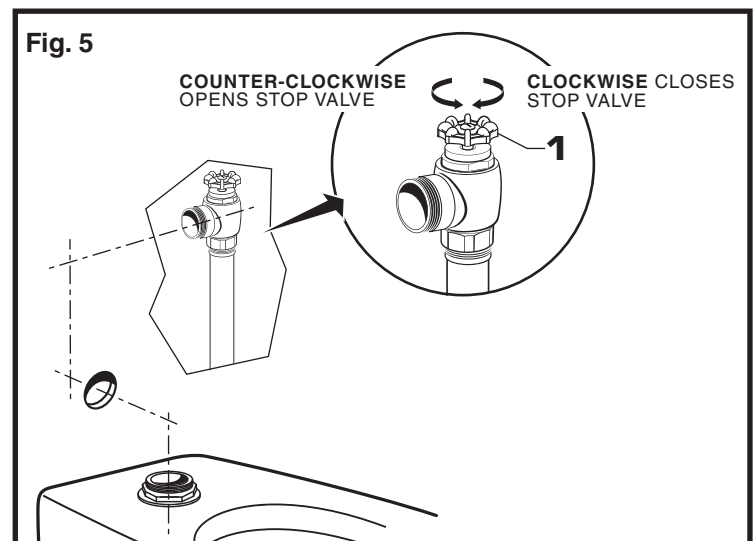
Note: *STOP VALVE inlet is 1" NPT. For optional sweat connection, install Sweat Adapter (1) (Supplied) for 1" copper pipe supply line.*

1. Clean the end of the supply pipe. Push the threaded SWEAT ADAPTER (1) until it is seated against the internal stop. Sweat the ADAPTER (1) to the pipe.
2. Install the STOP VALVE (2) to the water supply line with the outlet positioned as required (Behind the Wall).
3. Support piping as required.



3 FLUSH OUT SUPPLY LINES; Fig. 5

1. Open STOP VALVE (1).
2. Turn on water supply line to flush line of any debris or sediment.
3. Turn on water supply line to flush line of any debris or sediment.
4. Close STOP VALVE (1) and turn off water supply line.



4 INSTALL VACUUM BREAKER FLUSH CONNECTIONS; Fig. 6

1. Place the SPUD FLANGE (1) over the spud on the Fixture. Fig. 6.

2. Place FRICTION WASHER (3) and SEAL WASHER (4) inside SPUD COUPLING NUT (2) and thread onto Spud. Do not tighten fully. Fig. 6.

3. Remove the ELBOW COUPLING NUTS (6, 6a) from the CHROME ELBOW (5). Make sure you have a TAPERED RUBBER WASHER (7), PLASTIC SUPPORT (8) and SQUARE SEAL WASHER (9). Fig. 6a.

4. Install the SQUARE SEAL WASHER (9) onto the PLASTIC SUPPORT (8) if not already installed. Insert the PLASTIC SUPPORT (8) into the VERTICAL OUTLET PIPE (10). Slide the ELBOW COUPLING NUT (6) onto the VERTICAL OUTLET PIPE (10). Connect the ELBOW COUPLING NUT (6) to the CHROME ELBOW (5) and tighten fully. Fig. 6a.

5. Insert the VERTICAL OUTLET PIPE (10) with assembled CHROME ELBOW (5) into the SPUD COUPLING NUT (2) and push it down. Do not tighten fully. Fig. 6a.

Note: Cutting the VERTICAL OUTLET PIPE (10) may be necessary for the CHROME ELBOW (5) center line to line up with opening in the wall.

6. Measure and cut the HORIZONTAL OUTLET PIPE (11) to length required. Fig. 6b.

Important: Make sure that there is a minimum of 1-1/4" for engagement with elbow when making your measurement.

7. Remove the ELBOW COUPLING NUT (14) from BRASS ELBOW (12) and slide it onto the HORIZONTAL OUTLET PIPE (11). Install the SQUARE SEAL WASHER (13) onto the PLASTIC SUPPORT (15) if not already installed. Insert the PLASTIC SUPPORT (15) into the HORIZONTAL OUTLET PIPE (11). Connect the ELBOW COUPLING NUT (14) to the BRASS ELBOW (12) and tighten fully. Fig. 6b.

8. From behind the wall insert the assembled BRASS ELBOW and HORIZONTAL OUTLET PIPE (12, 11) through the hole in the wall. Install WALL ESCUTCHEON (16) onto the HORIZONTAL OUTLET PIPE (11). Slide the ELBOW COUPLING NUT (6a) and TAPERED RUBBER WASHER (7) onto the HORIZONTAL OUTLET PIPE (11). Push the HORIZONTAL OUTLET PIPE (11) into the CHROME ELBOW (5). Tighten ELBOW COUPLING NUT (6a) but not fully. Fig. 6b.

9. **For back spud installations:** Follow steps #1 and #2 to install the spud coupling kit. Push the HORIZONTAL OUTLET PIPE (11) into the spud connection on the back of the fixture. Do not tighten fully. If spud coupling kit is not required, install HORIZONTAL OUTLET PIPE (11) into back spud on fixture and hand tighten. Fig. 6b.

10. **All installations:** If required, cut scored VACUUM BREAKER PIPE (17), leave a minimum of 1-1/4" (32mm) of pipe to ensure engagement with compression coupling. Assemble the ELBOW COUPLING NUT (14a) and TAPERED RUBBER WASHER (19) onto the VACUUM BREAKER PIPE (17). Install VACUUM BREAKER PIPE (17) into BRASS ELBOW (12) and hand tighten COUPLING NUT (14a). Fig. 6c.

Note: If cutting VACUUM BREAKER PIPE (17) to size, note that Critical Line (C/L) on Vacuum Breaker must typically be 6" (152mm) above fixture. Consult Code for details.

Fig. 6

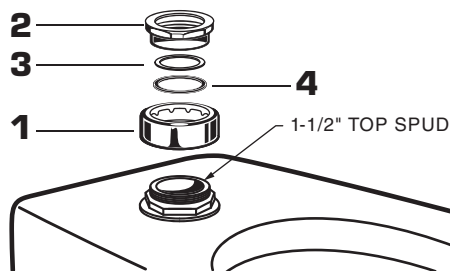


Fig. 6a

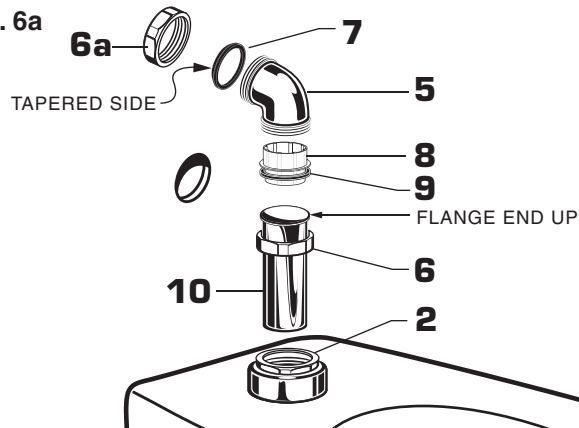


Fig. 6b

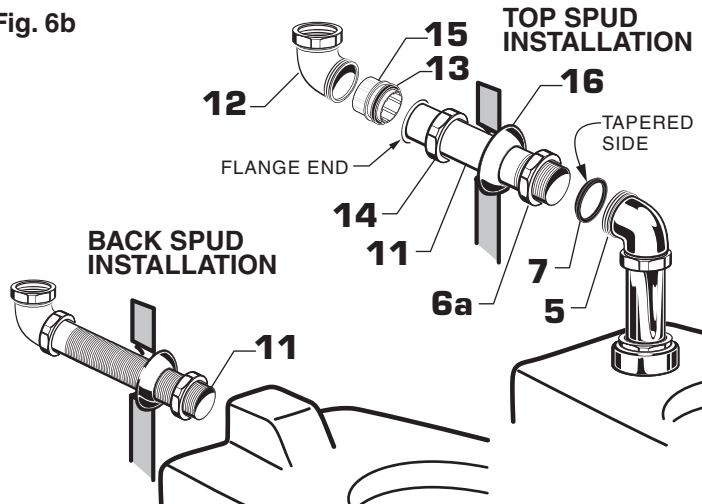
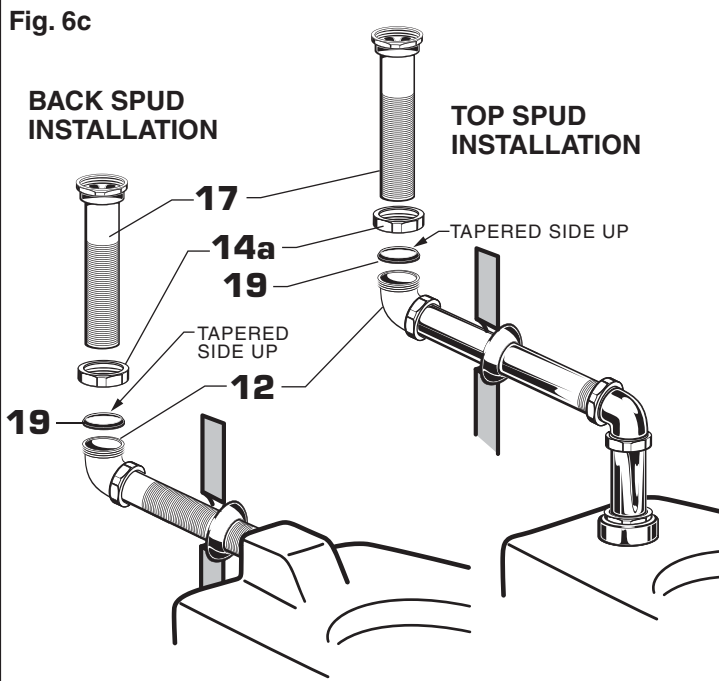


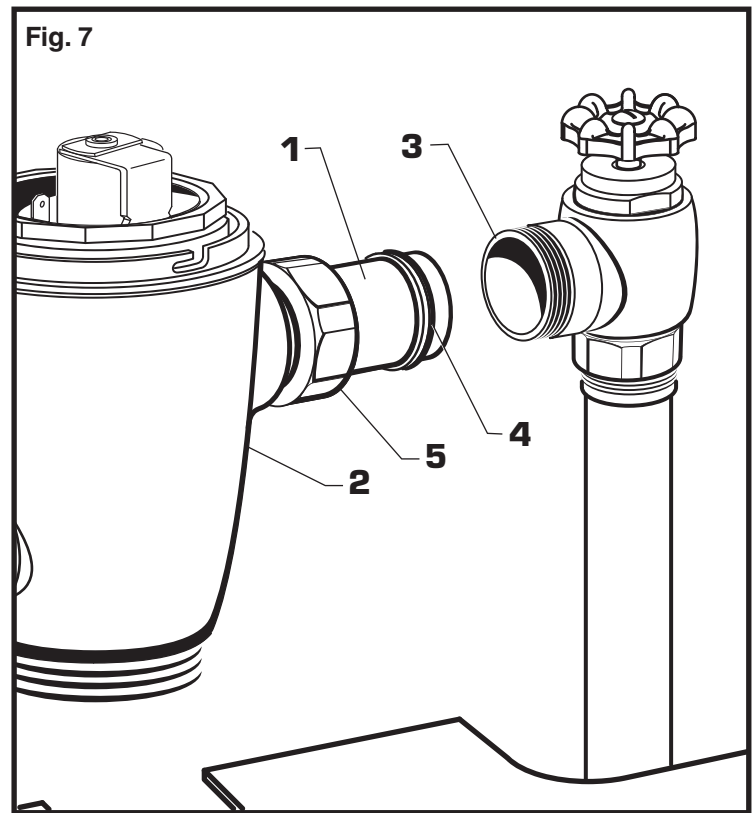
Fig. 6c



5 INSTALL FLUSH VALVE; Fig. 7

1. Insert the side ADJUSTABLE TAILPIECE (1) on the FLUSH VALVE (2) into the STOP VALVE (3). Lubricate the TAILPIECE O-RING (4) with water if necessary. Thread the COUPLING NUT (5) onto the STOP VALVE (3) and tighten lightly. Fig. 7.

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

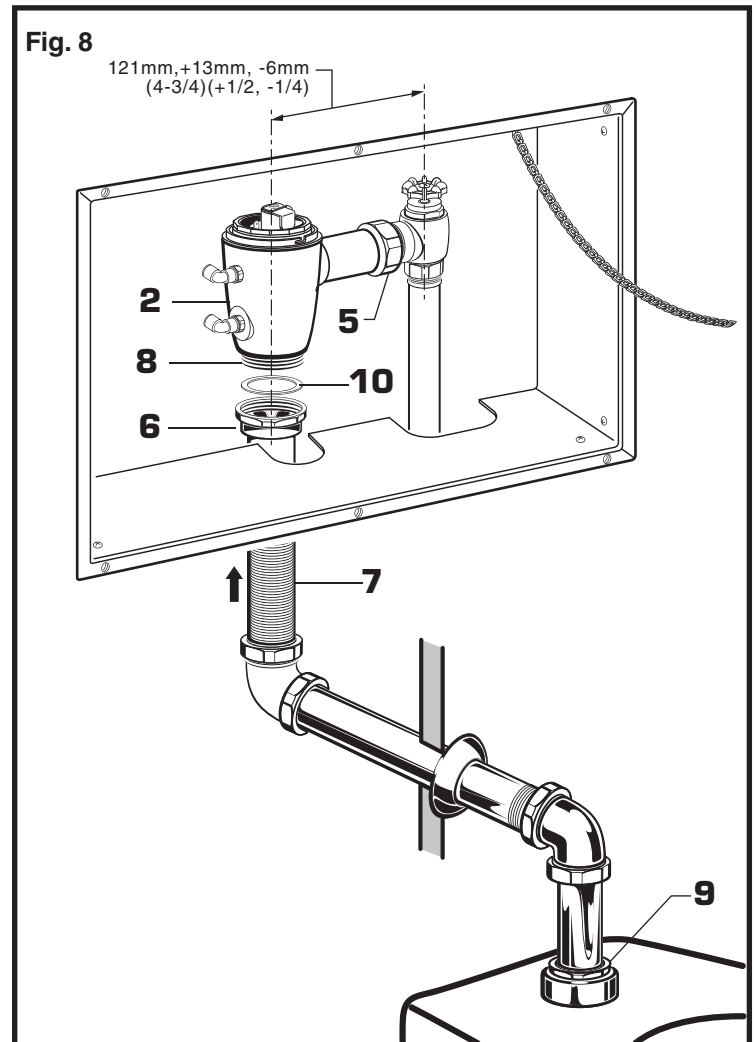


6 CONNECT FLUSH VALVE TO VACUUM BREAKER TUBE; Fig. 8

1. Align the FLUSH VALVE (2) (Fig. 9) directly above the VACUUM BREAKER TUBE (7) and VACUUM COUPLING NUT (6). Make sure that GASKET (10) is installed.

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

2. Pull the VACUUM BREAKER TUBE (7) up to meet the threaded FLUSH VALVE CONNECTION (8) and hand tighten the COUPLING NUT (6). Align all components of the flush valve assembly.
3. Lightly tighten the TAILPIECE COUPLING NUT (5) connection first, then the VACUUM BREAKER COUPLING NUT (6) and finally the SPUD COUPLING NUT (9). Once aligned correctly, use a wrench to tighten all couplings to make water tight connections.
4. Secure piping with in wall as required.



ELECTRICAL INSTALLATION

7 DC VERSION; Fig. 9, 9a

1. Connect one end of the 27" EXTENSION CABLE (1) to a SENSOR CABLE (2). Connect the other end of the 27" EXTENSION CABLE (1) to the SOLENOID CABLE (3). Fig. 9.
2. Insert BATTERY (6) into BATTERY HOLDER (7), making sure terminal side is inserted first. Fig. 9a.
3. Unthread the MOUNTING SCREWS (9, 9a) from the MOUNTING POST (11) as shown. Attach the SAFETY CHAIN (12) from the box frame to the MOUNTING POST (11) by installing one of the MOUNTING SCREWS (9a) through the SAFETY CHAIN (12) and into the MOUNTING POST (11). Fig. 9a.
4. Insert BATTERY HOLDER (4) cable into the CLIP (8). Install the second MOUNTING SCREW (9) through the CLIP (8) and into the MOUNTING POST (11). Fig. 9a.
5. Connect BATTERY HOLDER (4) to available SENSOR CABLE (5). Fig. 9a.

Fig. 9

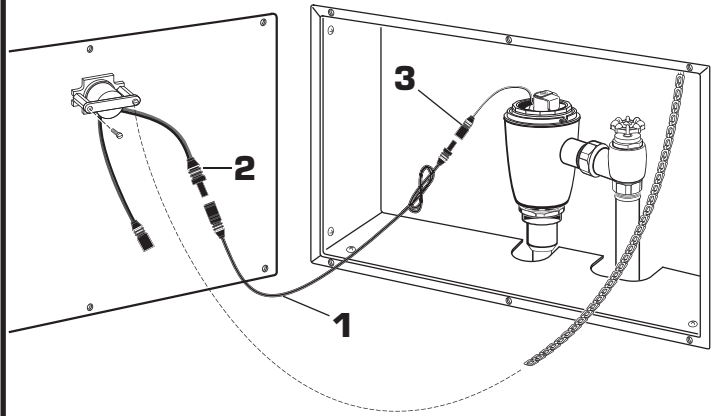
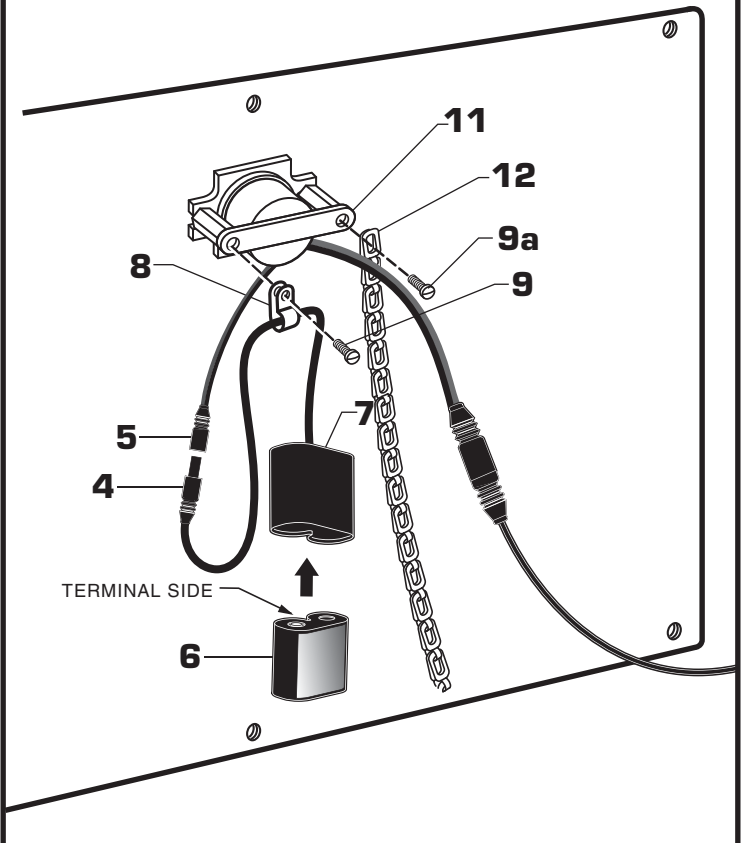


Fig. 9a



8 AC VERSION ; Fig. 10, 10a

1. Connect one end of the first 27" EXTENSION CABLE (1) to one SENSOR CABLE (5). Connect the other end of the 27" EXTENSION CABLE (1) to the SOLENOID CABLE (3).
Fig.10.

2. Connect AC POWER SUPPLY (2) to the single terminal of the Y-ADAPTER (10). **Fig.10.**

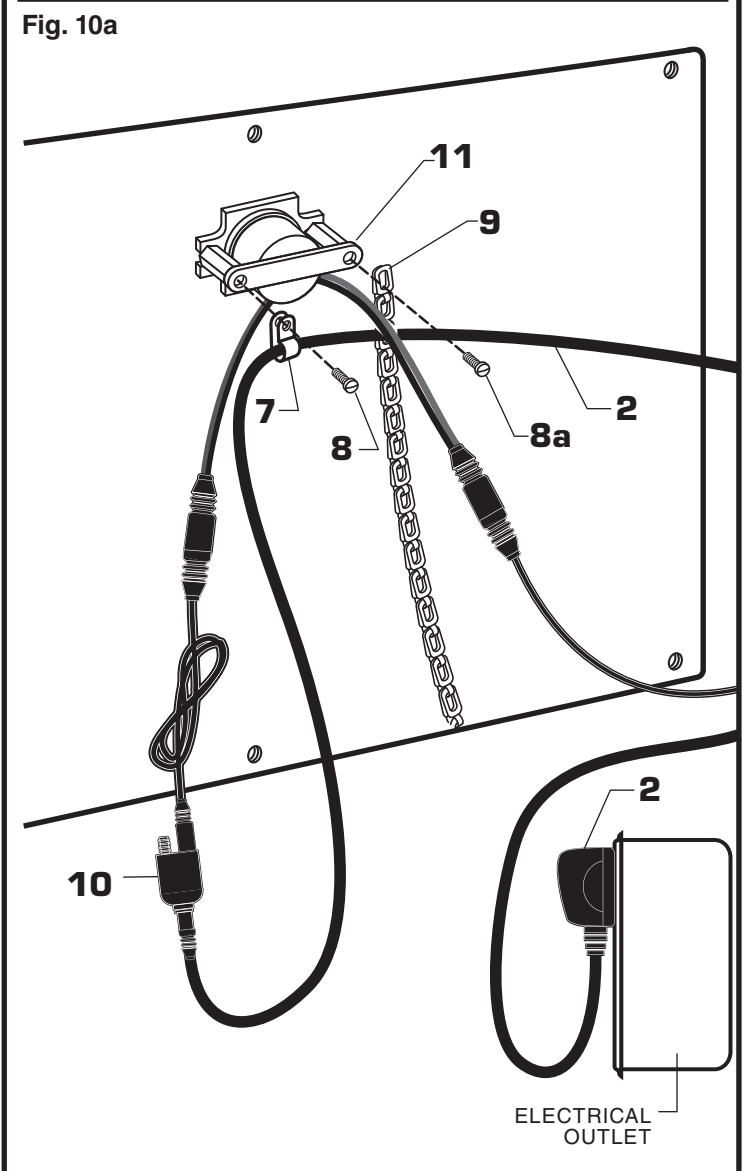
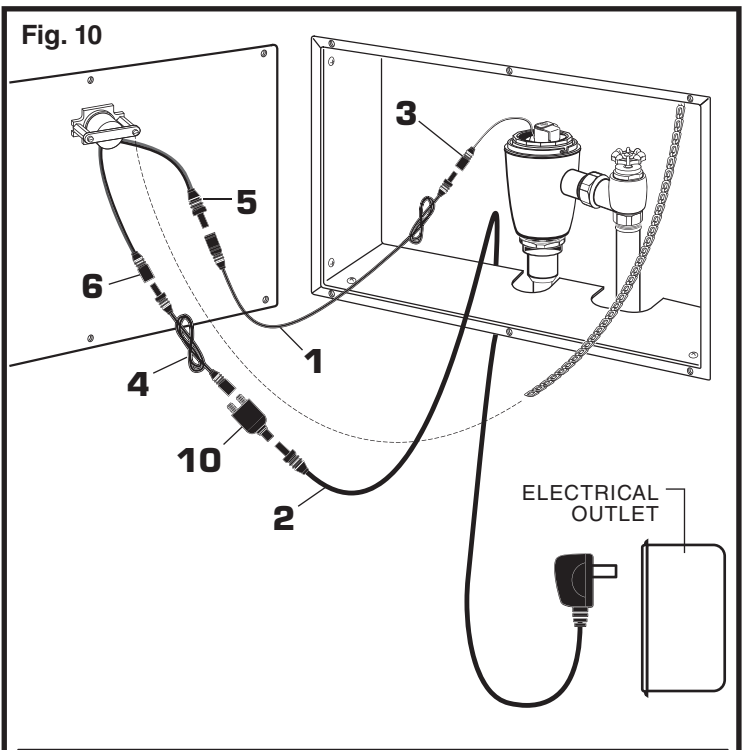
3. Connect one end of the second 27" EXTENSION CABLE (4) to one of the two available terminals of Y-ADAPTER (10), and the other end of the 27" EXTENSION CABLE (4) to available SENSOR CABLE (6). **Fig.10.**

4. Place Y-ADAPTER (10) inside wall box.

5. Unthread the MOUNTING SCREWS (8, 8a) from the MOUNTING POST (11) as shown. Attach the SAFETY CHAIN (9) from the box frame to the MOUNTING POST (11) by installing one of the MOUNTING SCREWS (8a) through the SAFETY CHAIN (9) and into the MOUNTING POST (11). **Fig. 10a.**

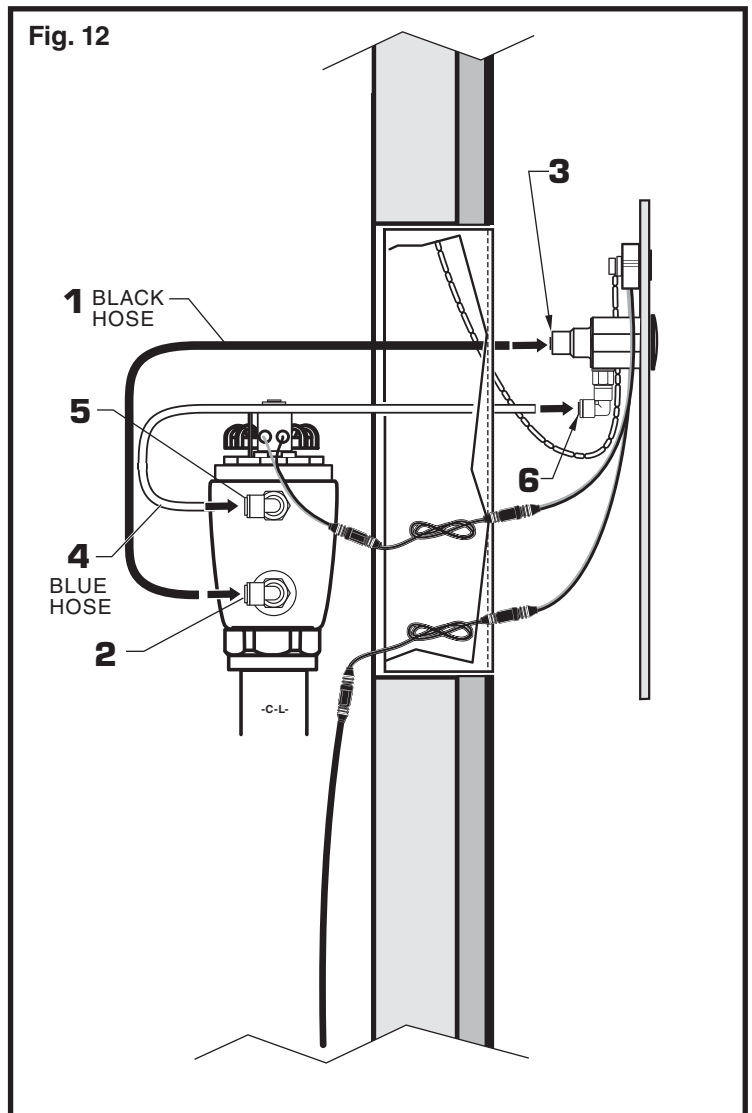
6. Insert cable from AC POWER SUPPLY (2) into the CLIP (7). Install the second MOUNTING SCREW (8) through the CLIP (7) and into the MOUNTING POST (11). **Fig. 10a.**

7. Plug AC POWER SUPPLY (2) into outlet. **Fig. 10a.**



10 CONNECT OVERRIDE HOSES, AC & DC POWER; Fig. 12

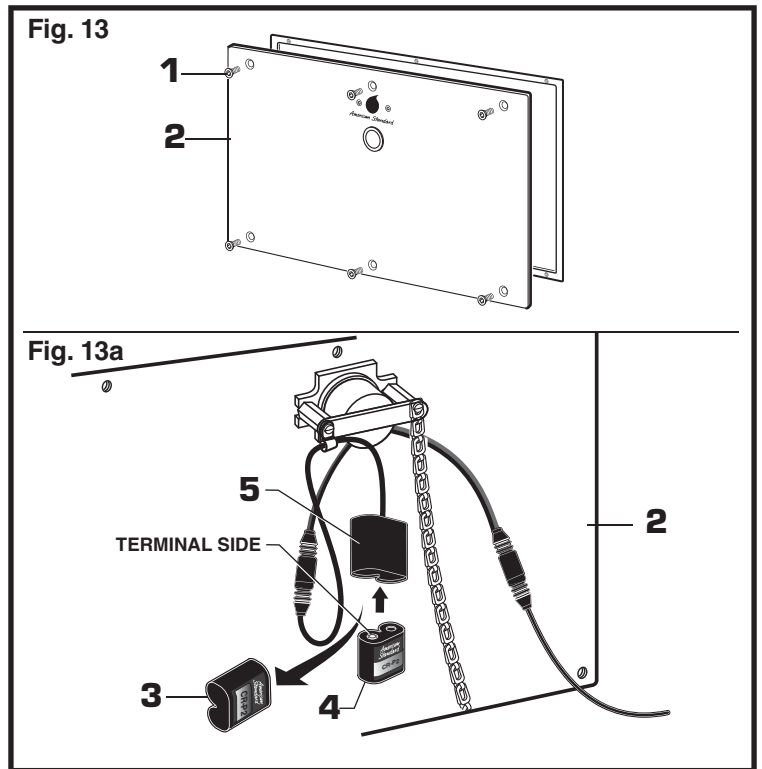
1. Push the BLACK HOSE (1) into the BOTTOM HOSE CONNECTOR (2) on flush valve body, and push the othe end into the back of the MANUAL OVERRIDE VALVE (3).
2. Push the BLUE HOSE (4) into the TOP HOSE CONNECTOR (5) on flush valve body and push the other end into the BOTTOM CONNECTOR (6) of the manual override valve.



MAINTENANCE

A INSTALL NEW BATTERY; Fig. 13

1. Remove the six COVER PLATE SCREWS (1), then remove COVER PLATE (2). Fig. 13.
2. Remove old BATTERY (3). Install new BATTERY (4), making sure the terminal side is inserted first and shape of the battery follows the shape of the BATTERY HOLDER (5). Reinstall COVER PLATE (2). Fig. 13a.



B ADJUST STOP VALVE; Fig. 14

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. Valve is designed to provide stated flush volume with a 25 GPM flow rate.

1. After installation is complete, remove COVER PLATE (1). Peel off the PROTECTIVE FILM (2) 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. Turn on STOP VALVE (3) 1/4 turn to 1/2 turn (CCW) and test for leaks.

Note: Unit may flush for approximately 5 to 10 seconds when water is first turned on. If flow persists, turn water off and repeat step #1 above.

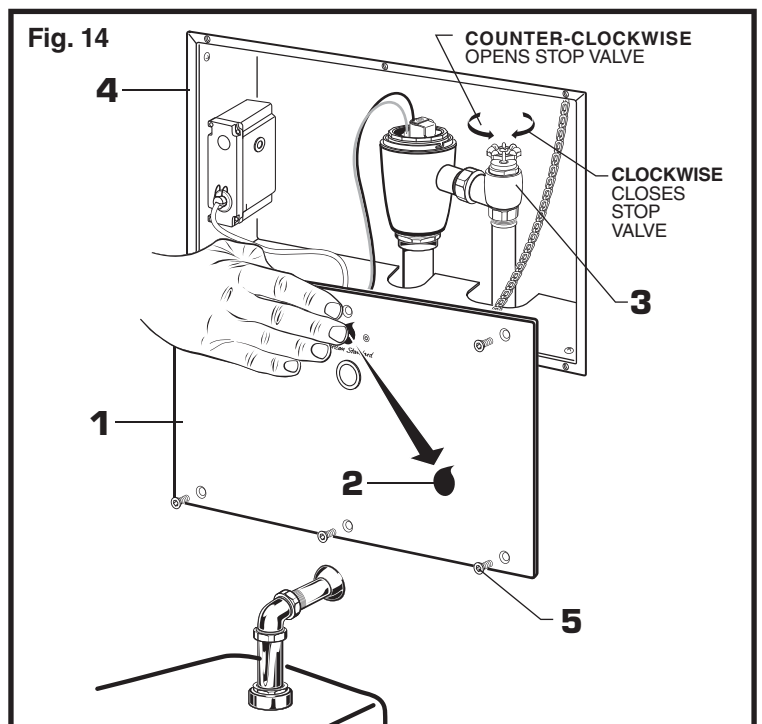
3. Actuate the FLUSH VALVE:
 - A) Cover sensor with hand for 10 seconds.

Note: Stand outside of sensor detection area.

B) Remove hand from detection area; 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. Attach the COVER PLATE (1) to the WALL BOX (4) with the six MOUNTING SCREWS (5). Use a 2.5mm Hex Wrench supplied to secure COVER PLATE (1).



CARE INSTRUCTIONS:

DO: 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.

SET DETECTION RANGE

Fig. 15 & 16.

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

1. Remove COVER PLATE (1). See Step A for removing front panel instructions.
2. Disconnect SENSOR CABLE (2) from BATTERY HOLDER (3) or from POWER SUPPLY 27" EXTENSION CABLE (4). Fig. 15.
3. Keeping hands away from the sensor detection area, reconnect the SENSOR CABLE (3) and quickly hang the COVER PLATE (1) onto the wall box. Do not secure the COVER PLATE (1) at this time. Fig. 15.

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

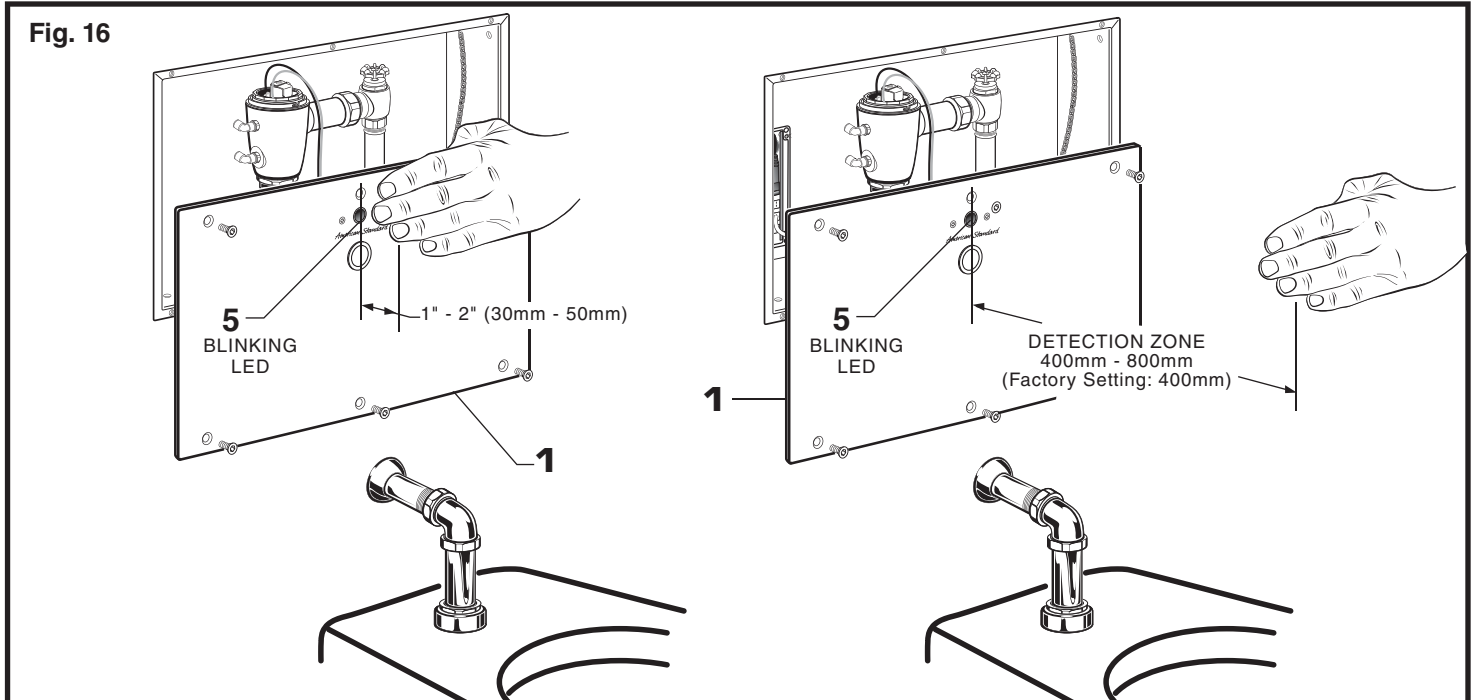
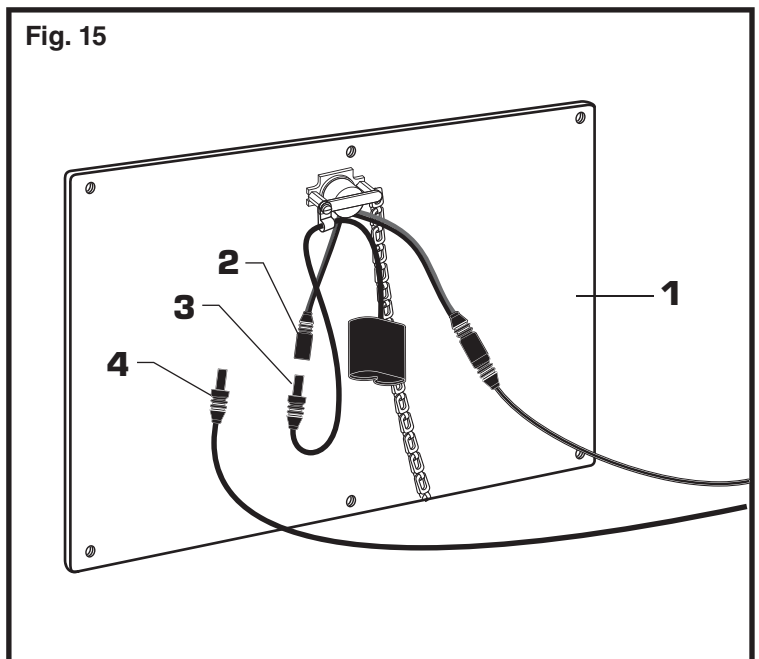
4. While the SENSOR CONTROL LED (5) is blinking slowly, place your hand 1 to 2 in. (30-50mm.) in front of the sensor. Fig. 16.
5. When the LED (5) stops blinking and stays "ON", move your hand to the desired position from sensor and hold in place until the LED (5) begins to blink again. Fig. 16.

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

6. Once the SENSOR CONTROL LED (5) begins to blink again, remove your hand from the detection zone. When the flashing stops, the detection distance is set.
7. Replace and secure COVER PLATE (1). Fig. 16.
8. Actuate the FLUSH VALVE:
 - A) Cover sensor with hand for 10 seconds.

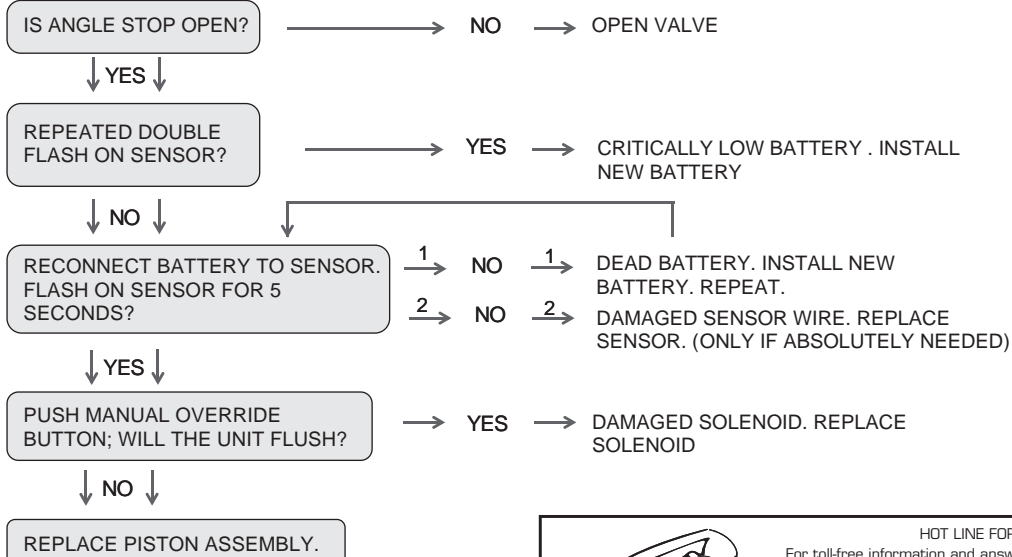
Note: *Stand outside of sensor detection area.*

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

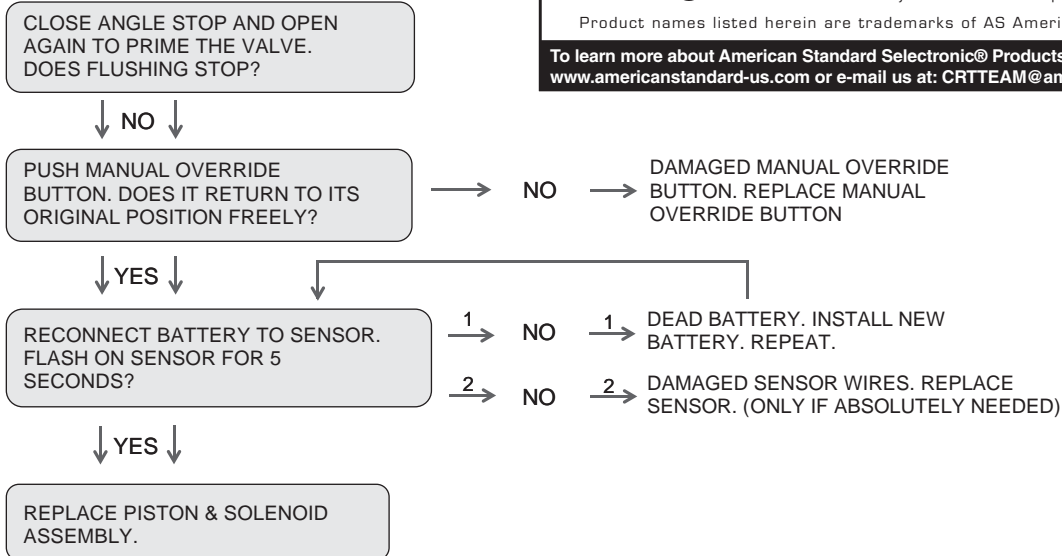


TROUBLESHOOTING FLOW CHARTS

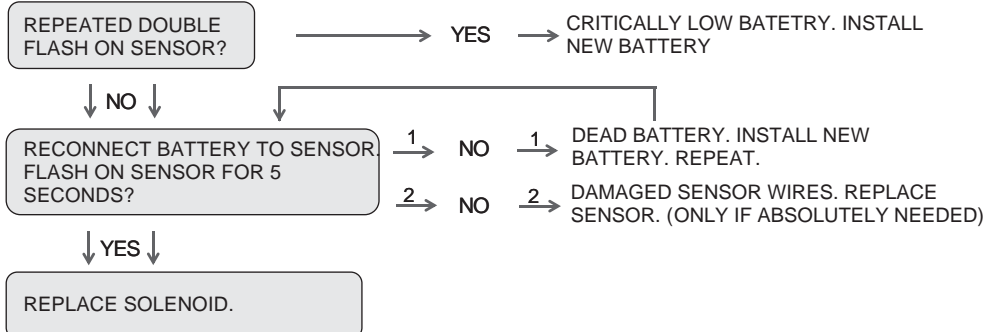
UNIT DOES NOT FUNCTION



UNIT WILL ONLY FLUSH MANUALLY



UNIT IS CONTINUOUSLY FLUSHING



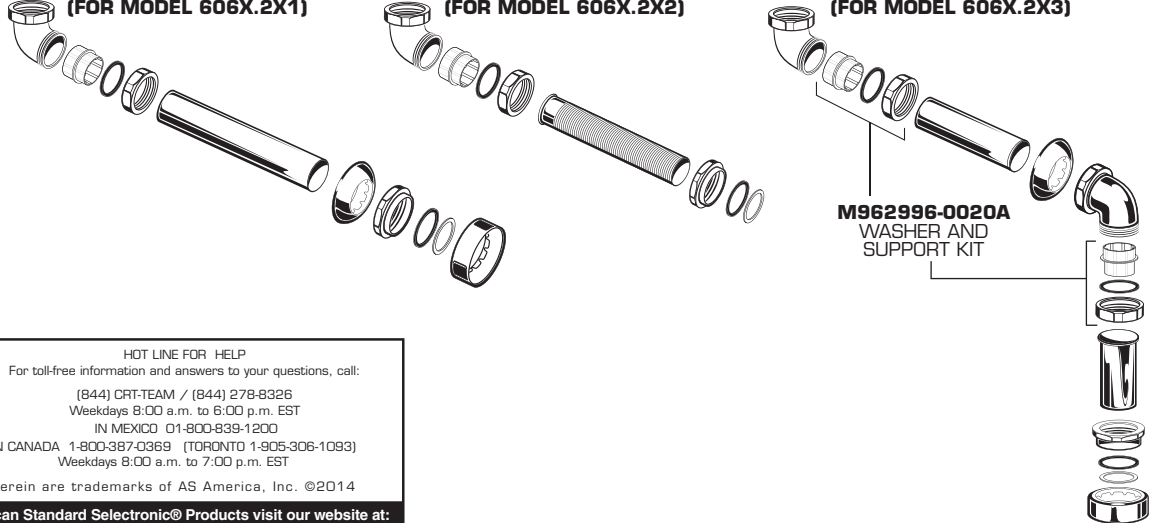
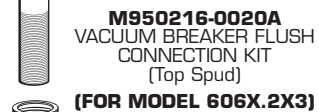
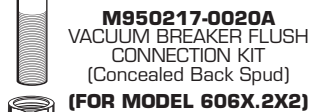
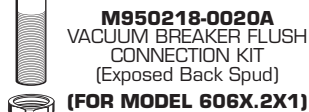
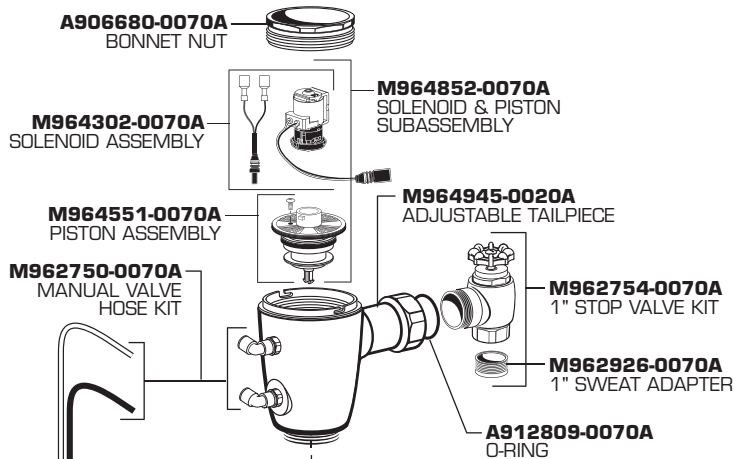
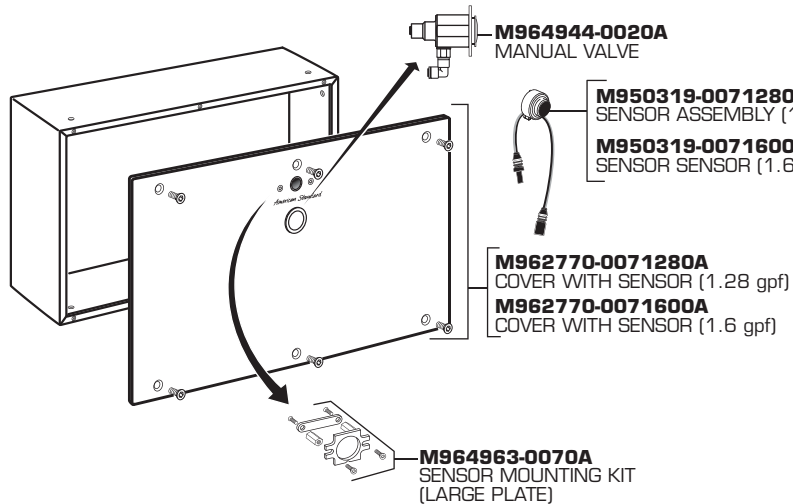
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MODEL NUMBERS

6065.32X	6065.36X
6067.32X	6067.36X
6068.32X	6068.36X



DC STANDARD BATTERY 6065. Series

M950514-0070A
BATTERY HOLDER

M950510-0070A
27" EXTENSION CABLE

A923654-0070A
BATTERY 6V CR-P2

AC Plug-in 6067. Series

M950510-0070A
27" EXTENSION CABLE

M950512-0070A
Y-ADAPTER

M950338-0070A
POWER SUPPLY

AC Multi 6068. Series

M950511-0070A
10' EXTENSION

M950510-0070A
27" EXTENSION CABLE

M950512-0070A
Y-ADAPTER



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