

INSTALLATION INSTRUCTIONS FOR MCR-325 and MCR-324-L

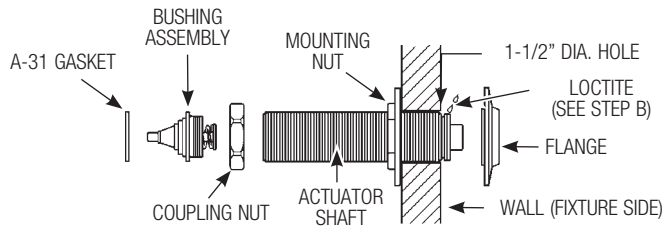
1 - REMOVE PUSH BUTTON ACTUATOR – RETROFIT PUSH BUTTON APPLICATION ONLY

(A) TO REMOVE MANUAL PUSH BUTTON ASSEMBLY FROM EXISTING MANUAL FLUSHOMETER:

Loosen coupling nut on actuator shaft. Loosen mounting nut and continue to turn mounting nut counter clockwise while holding actuator shaft) to slide actuator shaft through wall (fixture) Remove bushing assembly, coupling nut, and gasket from end of actuator shaft. Remove mounting nut from actuator shaft, and slide through wall (fixture) and remove from fixture side of wall. Install A1013A RB CONCEALED VALVE HANDLE CAP KIT on handle port.

(B) Apply several drops of thread sealant to threads of Actuator Shaft at location shown.

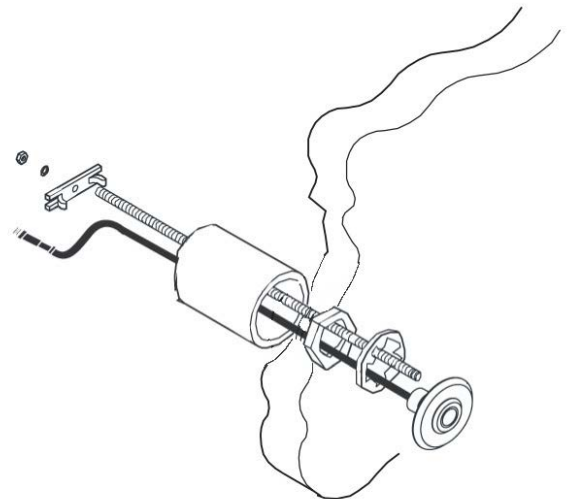
(C) Reinstall and tighten the Flange. Tighten the Mounting Nut against the back of the wall.



2 - INSTALL PUSH BUTTON ACTUATOR – LED and NON-LED PUSH BUTTON APPLICATION ONLY

FIXTURE WALL VARIATION METAL PUSH BUTTON ACTUATOR

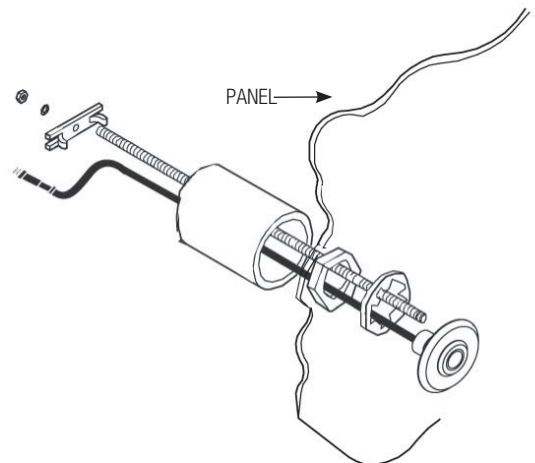
- (A)** If not already completed, bore a 1-1/2" (38 mm) diameter hole in wall for the Push Button Actuator. Refer to the Rough-in drawings on Pages 2.
- (B)** Screw Threaded Rod into back of Actuator.
- (C)** Thread actuator assembly nut onto threaded end of push button actuator.
- (D)** Apply several drops of Loctite to threads on back side of wall flange to help prevent unscrewing from front of wall.
- (E)** Place Spacer Ring over threads of Button Flange and thread Button Flange Assembly into Actuator Assembly Nut.
- (F)** Insert pushbutton through front of wall and fasten actuator assembly nut.
- (G)** Insert Push Button Actuator Assembly into the 1-1/2" wall hole.



3 - INSTALL PUSH BUTTON ACTUATOR – LED and NON-LED PUSH BUTTON APPLICATION ONLY

PANEL MOUNT VARIATION

- (A)** Thread Actuator Assembly Nut onto threaded end of Push Button Actuator.
- (B)** From front of panel, insert Button Flange Assembly into hole of panel. Behind panel, place Washer over threads of Button Flange. Thread Button Flange onto Actuator. Tighten Flange securely.



TROUBLESHOOTING AND MAINTAINING THE PUSHBUTTONS

IMPORTANT: 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.

Never open Control Stop to where the flow from the valve exceeds the flow capability of the fixture. In the event of a valve failure, the fixture must be able to accommodate a continuous flow from the valve.

ATTENTION INSTALLERS: With the exception of the control stop inlet, DO NOT USE pipe sealant or plumbing grease on any valve component or coupling! To protect the chrome or special finish of Sloan flushometers DO NOT USE toothed tools to install or service these valves. Use our A-50 Super-Wrench™ or other smooth-jawed wrench to secure couplings. Regulations for low consumption fixtures (1.6 gpf/6.0 Lpf closets and 1.0 gpf/3.8 Lpf urinals) prohibit use of higher flush volumes.

1. Valve does not flush.

- Check Pushbutton Connection.
- Is the LED on the pushbutton Red? Unit is in Lock-out.
- Does Override flush the unit? If yes, Unit is reset.
- Low Battery indicator (2 quick flashes every 4 seconds).
- Battery needs replacement (4 quick flashes every 4 seconds) unit will not flush

2. Valve does not flush but makes clicking sound.

- No water is being supplied to the valve. Make certain that water supply is turned on and control is open.
- Problem with solenoid. Replace solenoid.

3. Valve does not shut off.

- Bypass Orifice in Diaphragm is clogged with dirt or debris, or Bypass is clogged by an invisible gelatinous film due to "over-treated" water. Remove Flex Tube Diaphragm and wash under running water.

Note: Size of orifice in the by-pass is of utmost importance for the proper metering of water by the valve. **DO NOT ENLARGE OR DAMAGE THIS ORIFICE.** Replace flex tube diaphragm if cleaning does not correct the problem.

- Dirt or debris fouling Stem or Flex Tube Diaphragm. Remove Flex Tube Diaphragm and wash under running water.
- O-ring on Stem of Flex Tube Diaphragm is damaged or worn. Replace O-ring if necessary.
- Problem with Electronic Sensor Module; replace Sensor Module.

4. Not enough water to fixture.

- Wrong Flush Volume Regulator installed in Flex Tube Diaphragm Kit. Install the correct Regulator (see Step 6 of these instructions).
- Wrong Optima Plus® Diaphragm kit installed; i.e., 1 gpf. urinal installed on 3.5 gal. closet fixture. Replace with proper Optima Plus diaphragm kit.
- Enlarged Bypass in Diaphragm. Replace Flex Tube Diaphragm.
- Control Stop not adjusted properly. Readjust Control Stop.
- Inadequate volume or pressure at supply. Increase water pressure or supply (flow) to valve. Consult factory for assistance.
- Head not securely tightened on flushometer body. Tighten using strap wrench.

5. Too much water to fixture.

- Wrong Flush Volume Regulator installed in Flex Tube Diaphragm Kit. Install the correct Regulator (see Step 6 of these instructions).
- Control Stop not adjusted properly. Readjust Control Stop.
- Wrong Optima Plus Diaphragm kit installed; i.e., 3.5 gpf. closet installed on 0.5 gal. urinal fixture. Replace with proper Optima Plus Diaphragm kit.
- Dirt in Diaphragm Bypass. Clean under running water or replace Flex Tube Diaphragm.

SETTING THE PROGRAM

- Press and hold override Button. Continue holding the button until the desired program is reached.
- After about 5 seconds, the LED will turn on for 3 seconds indicating the start of the program section period.
- LED will blink in 2 second intervals indicating the program.
- Count the blinks until the desired program number, then release the button. For example, if you want program #3, release the button after the LED blinks for the third time.
- After the button is released, the LED display will blink indicating which program is selected.
- Unit comes with program #1 as default program.

PROGRAM

- Release button after 1st blink: 2 activations in a 5 minute window with a lockout of 15 minutes (default program).
- Release button after second blink: 2 activations in a 5 minute window with a lockout of 30 minutes.
- Release button after 3rd blink: 2 activations in a 5 minute window with a lockout of 45 minutes.
- Release button after 4th blink: 2 activations in a 5 minute window with a lockout of 60 minutes.
- Release button after 5th blink: 1 activation with a backside delay of 60 seconds/no lockout.
- Check which program is running. Press and release override button, flush should happen right away, then LED will blink the number of corresponding program number.

CARE OF CHROME AND SPECIAL FINISHES

DO NOT USE abrasive or chemical cleaners to clean flushometers as they may dull the luster and attack the chrome or special decorative finishes. Use **ONLY** soap and water, then wipe dry with clean cloth or towel.

While cleaning the bathroom tile, the flushometer should be protected from any splattering of cleaner. Acids and cleaning fluids can discolor or remove chrome plating.

When assistance is required, please contact Sloan Technical Support at: 1-888-SLOAN-14 (1-888-756-2614).