

Installation Instructions

S65-135 (Circular)
S65-136 (Semi-Circular)

**Air Valve Retrofit For
Non-Sectional Classic
Washfountain**

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Installation Instructions

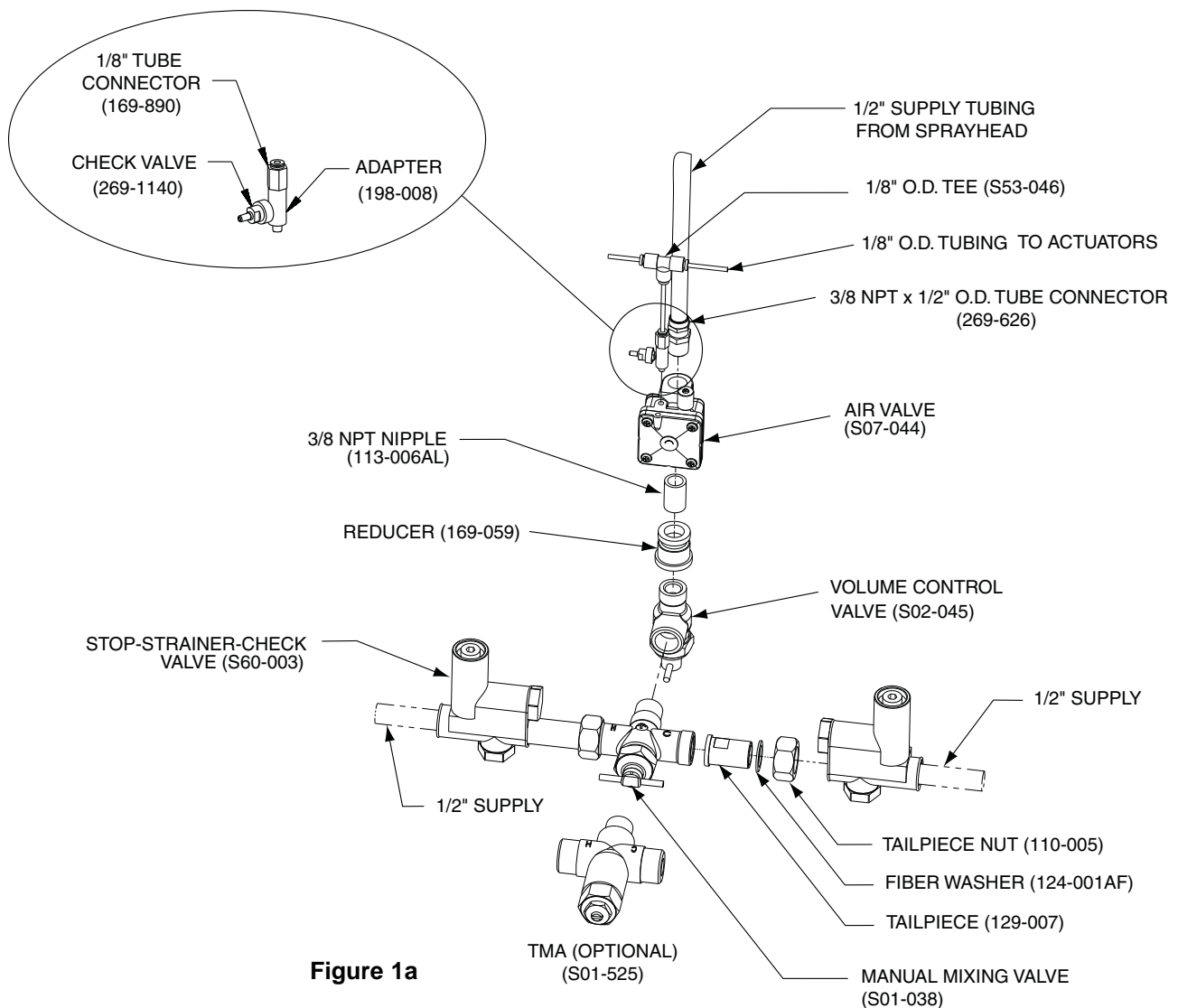
Step 1: Replace valve parts

Note: Shut off water supply before making any improvements to the unit.

Note: Units with one actuator do not require tee S53-046, Check Valve 269-1140 or Adapter 198-008

1. Remove all parts above existing volume control valve.
2. Assemble new parts as shown in Figure 1a (Circular Washfountain) or 1b (Semi-Circular Washfountain) and Figure 3a or 3b.

Note: Do not install the tubing from the sprayhead or actuators at this time.



Circular Washfountain (2 Actuators)

Installation Instructions *continued* . . .

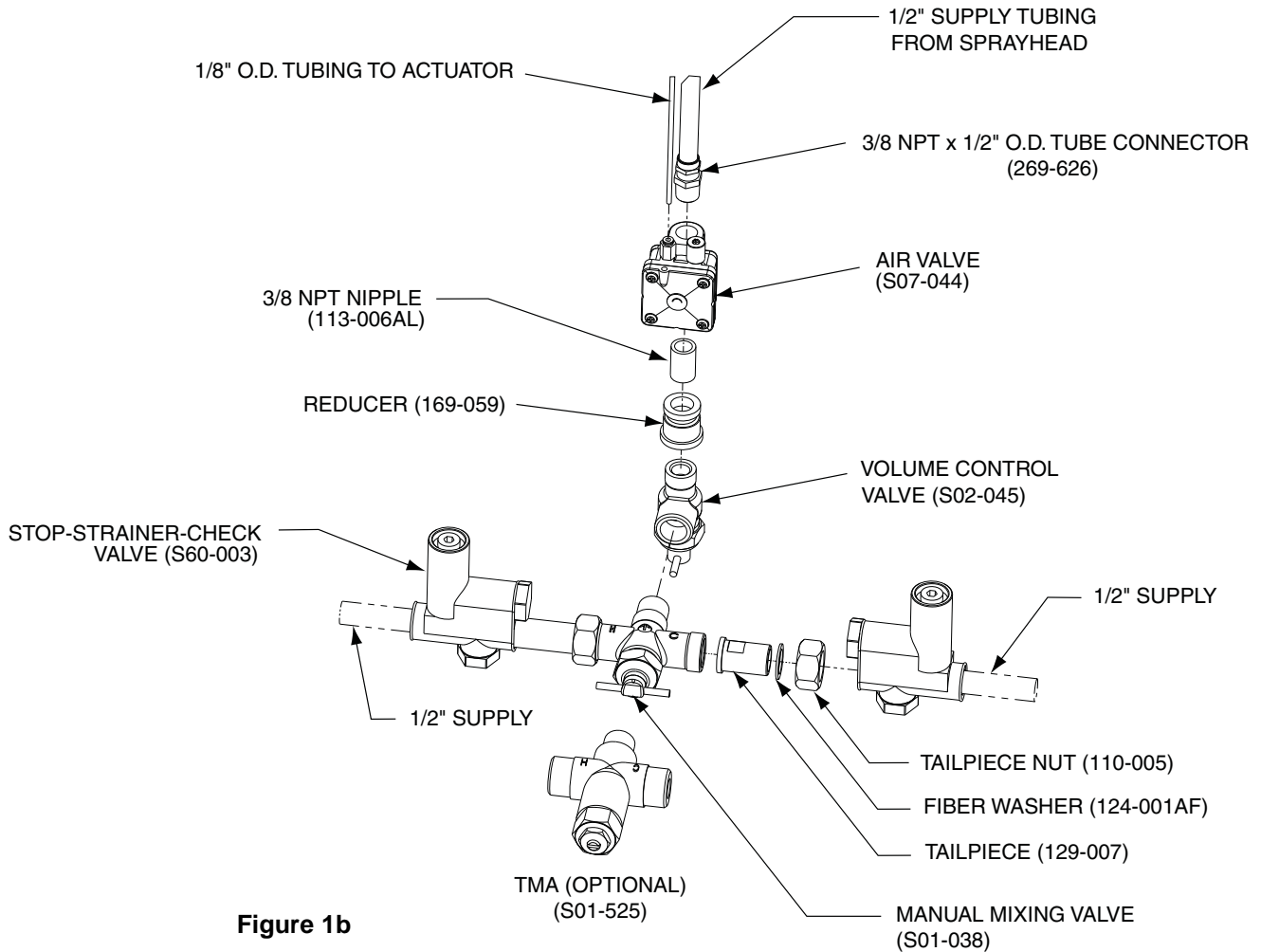


Figure 1b

Semi-Circular Washfountain (1 Actuator)

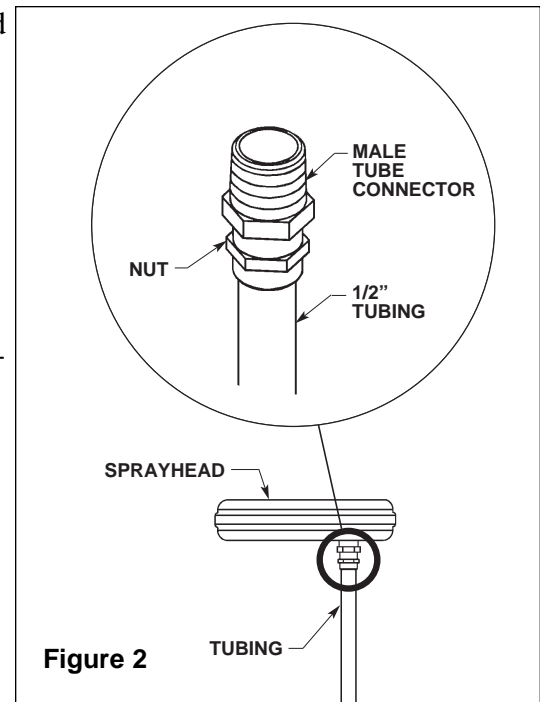
Step 2: Install the module onto the sprayhead

Note: Refer to Figure 1a or 1b, Figure 2, 3a or 3b, and 4 when assembling the module to the sprayhead. Assembly shown in Figure 3a or 3b is for units with one actuator.

1. Remove all accessories above the sprayhead (soap dispenser, infrared module, etc.).
2. Remove the old supply line from the sprayhead.

Installation Instructions *continued . . .*

3. To install one end of the new 1/2" supply tubing and make the connection to the sprayhead, follow the instructions outlined below (Figure 2).
 - Using a sharp razor, cut 1/2" tubing squarely and remove any burrs. **DO NOT** pinch or crush end of tubing.
 - Insert the tubing into the male connector: loosen the nut on the fitting until three threads are exposed. Moisten the end of the tube and push it into the fitting until it is firmly seated. Hand tighten the nut to secure the tube to the fitting.
 - If the connector leaks, reset the tubing according to the above procedure. If leaking persists, replace the male connector, or call your Bradley representative for assistance.
4. Connect the other end of the 1/2" supply tubing to the male connector on the air valve assembly (Figure 1a or 1b).

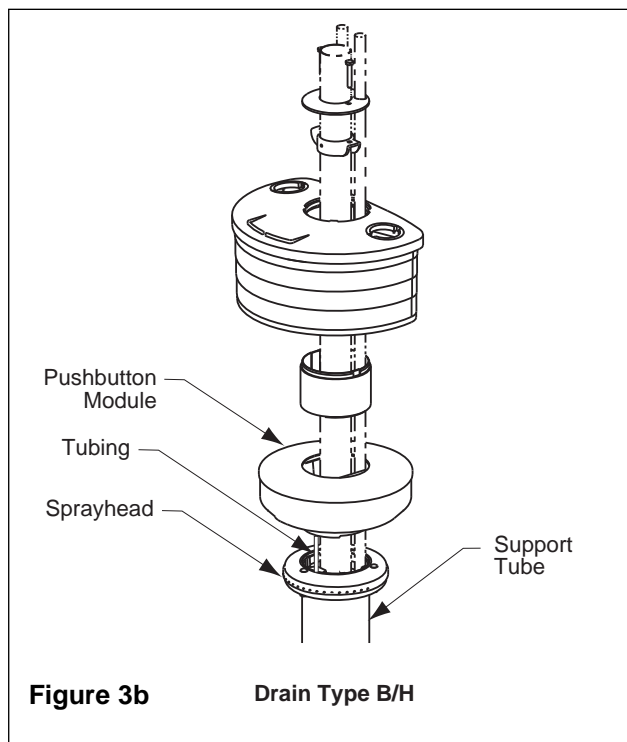
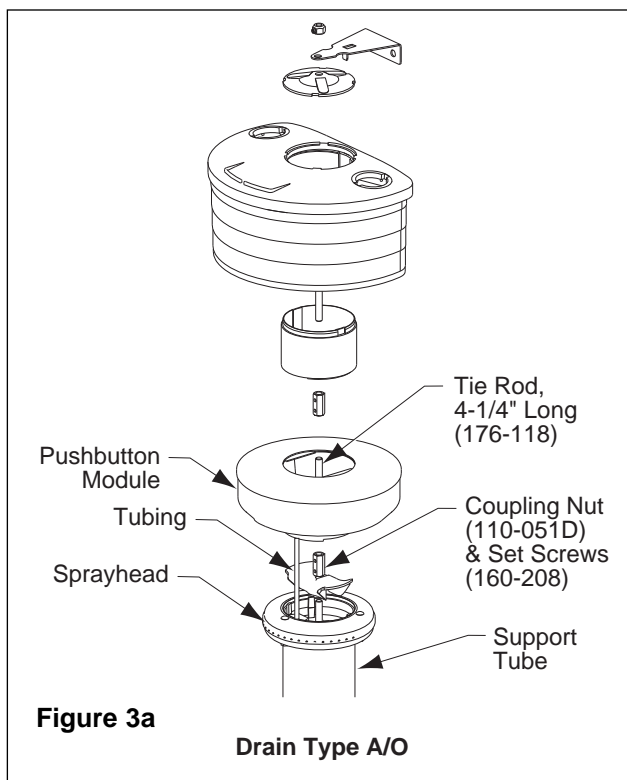
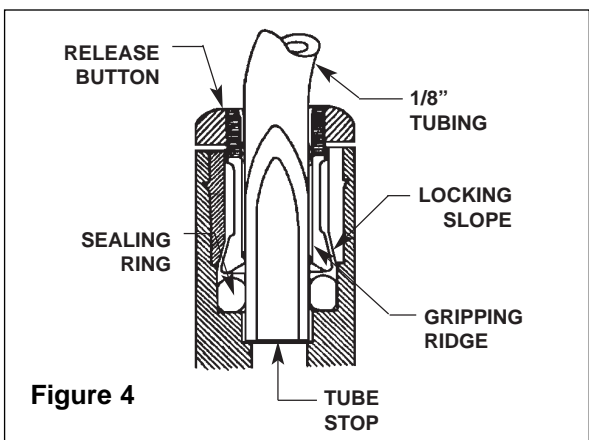


Installation Instructions *continued . . .*

5. Place the push button module over the sprayhead (Figure 3a or 3b). If the 1/8" tubing is not connected to the push button assembly, connect the 1/8" tubing to the tube connector (located at the back of the push button assembly) at this time (Figure 4).
6. Feed the 1/8" tubing down the inside of the support tube to the air valve assembly. (See Figure 3a or 3b).
 - **FOR UNITS WITH TWO ACTUATORS:** connect the 1/8" tubing from the actuators to the tee, then connect the 1/8" tubing from the tube connector on the air valve to the tee (Figures 1a and 4).
 - **FOR UNITS WITH ONE ACTUATOR:** connect the 1/8" tubing from the actuator to the tube connector on the air valve (Figures 1b and 4).

NOTE: Insert the end of the tubing into the connector until it is firmly seated on the tube stop.

7. Turn the water supply back on and check for leaks.
8. Push the button(s) to activate the sprayhead. Water should flow out from the entire sprayhead. If this does not happen, refer to the air valve troubleshooting instructions found on page 7 and follow the procedure outlined there until the water is flowing properly.
9. When the retrofit assembly is complete, reassemble the washfountain.

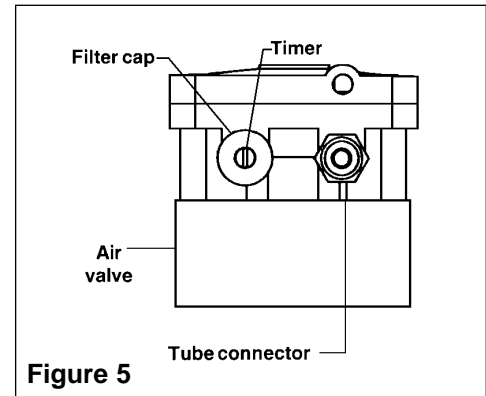


Installation Instructions *continued . . .*

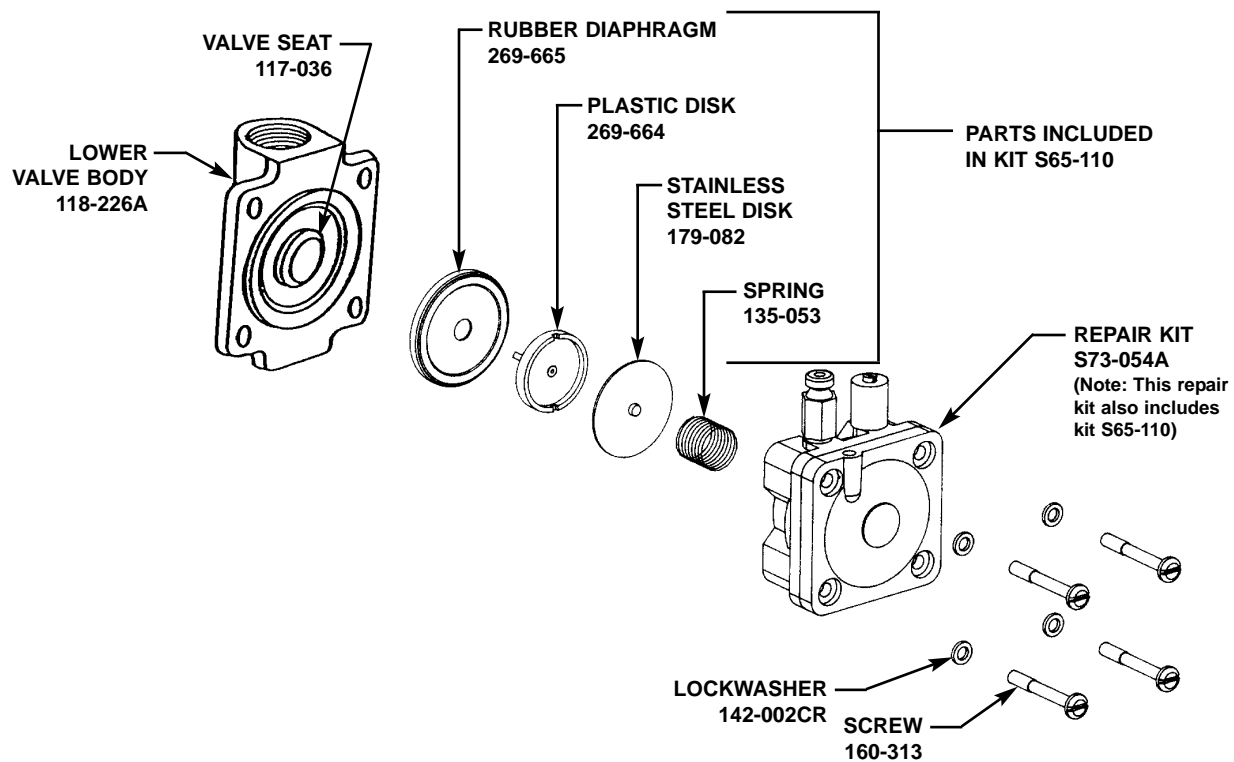
Step 3: Adjust the air valve metering time

Note: The air valve timer is located next to the tube connector on the air valve body. The timer is capped with a filter to prevent dirt build-up on the timer. The air valve timing can be adjusted from 5-45 seconds. Refer to Figure 5 when adjusting the air valve.

1. Remove the filter cap. Use a screwdriver to tighten or loosen the timer. Turning the timer clockwise increases the time, turning the timer counterclockwise decreases the time.
2. Continue to adjust the timer until it is set at the desired length.
3. Replace the filter cap.



Metering Air Valve Repair Kits and Parts List



Metering Air Valve Troubleshooting

Problem: Valve will not shut off.

Cause: Timing mechanism is clogged.

Solution: Clean and inspect timing mechanism:

1. If compressed air is available, blow water and debris from perforated metal sleeve of timing mechanism.
2. Turn adjusting screw in all the way but do not force screw.
3. Turn adjusting screw out to desired cycle time.

Problem: Valve will not turn on.

Cause: Water is not being supplied to unit.

Solution: Open all stops on mixing valve.

Problem: Timing can not be adjusted for more than 5 seconds.

Cause: There is an air leak

Solution: Check the valve assembly:

1. Check all tubing and fittings for proper assembly.
2. Tighten all screws which hold valve together.

Problem: Push button does not work properly.

Cause: Air volume may not be sufficient to operate valve.

Solution: Check for leaks and lubricate U-cup:

1. Check all fittings for air leaks.
2. Disassemble pushbutton and lubricate U-cup seal.

Problem: Water is dripping from the streamformers.

Cause: Debris has accumulated on valve seat or orifices.

Solution: Clean and inspect valve seat.

1. Remove screws and disassemble metering valve.
2. Clean valve seat and inspect for deep gouges or scratches. Replace if necessary.
3. Remove all debris that may be clogging center hole of plastic diaphragm assembly.
4. Remove any debris clogging off-center hole in rubber diaphragm.