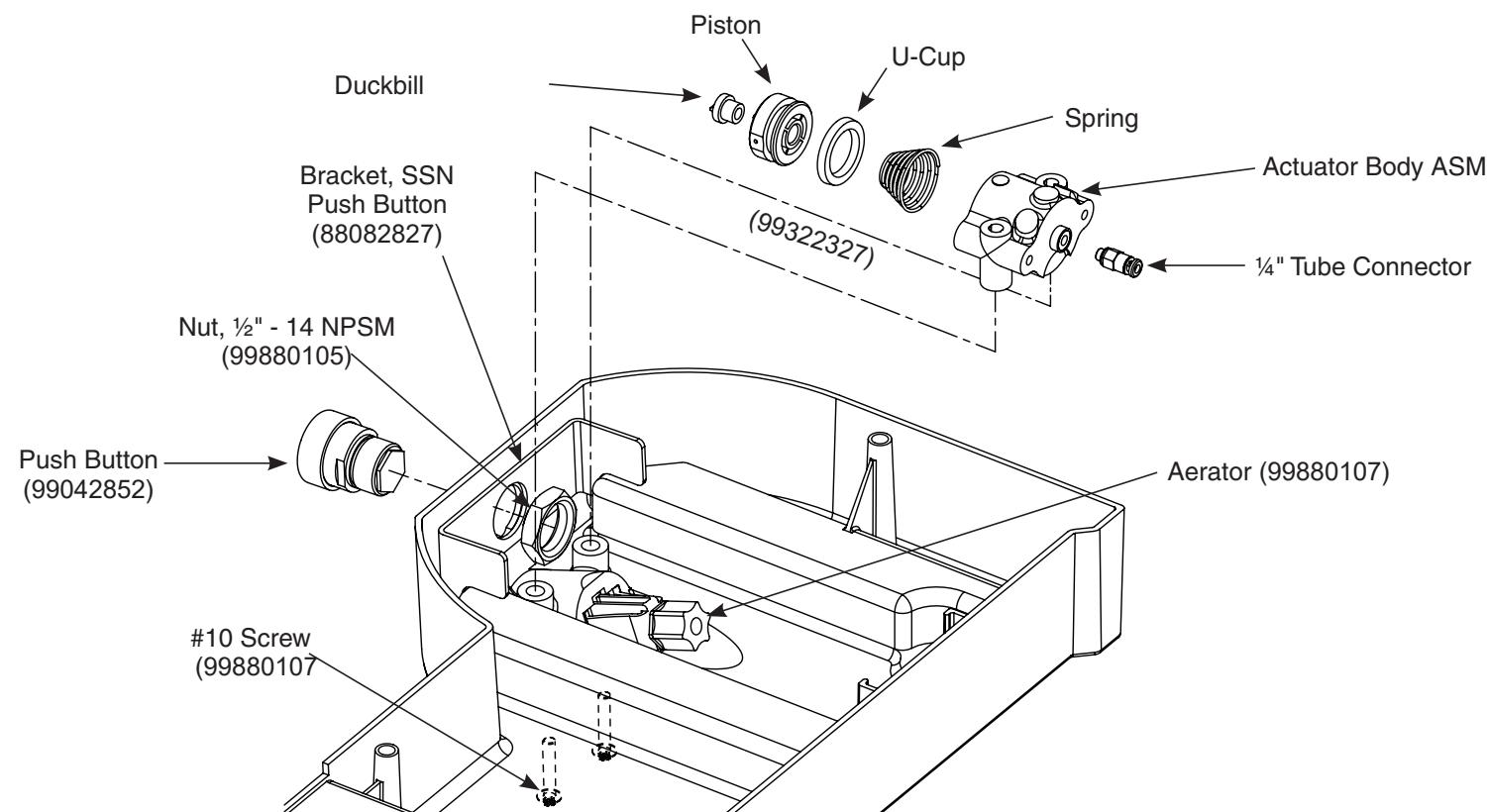


## Sprayhead Components

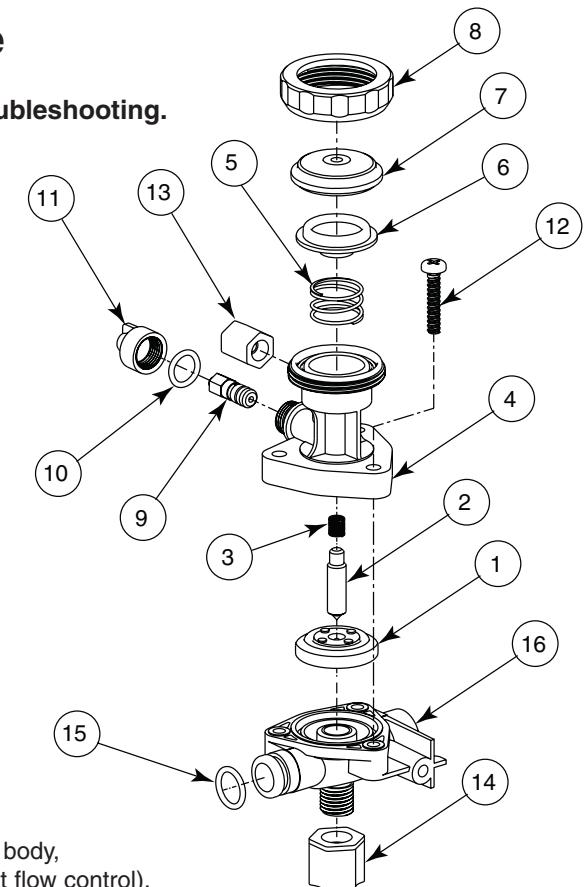


## Troubleshooting – Metering Air Valve

**WARNING** Turn off water supplies to the unit before troubleshooting.

Item	Qty.	Description
1	1	Diaphragm
2	1	Armature
3	1	Spring
4	1	AST 4 Valve Upper Body
5	1	Spring
6	1	Magnet/Diaphragm Assembly
7	1	AST 4 Valve Cover
8	1	AST 4 Valve Clamp Nut
9	1	AST 4 Valve Timer Assembly
10	1	O-Ring
11	1	AST 4 Valve Timer Cover
12	3	Screw, #8 x 7/8"
13	1	Compression Nut, 1/8" Tube
14	1	Compression Nut, 1/4" Tube
15	1	O-Ring
16	1	Valve Body

For complete valve, order service part S07-077S (AST4 valve, closed body, without flow control) or S07-077AS (AST4 valve, through body, without flow control).



Problem	Cause	Solution
Valve will not shut off.	Timing mechanism is clogged.	Clean and inspect timing mechanism: <ol style="list-style-type: none"> <li>If compressed air is available, blow water and debris from timer cover of timing mechanism.</li> <li>Turn adjusting screw out all the way. Clean and inspect screw and valve body.</li> <li>Turn adjusting screw in to desired cycle time.</li> </ol>
Valve will not turn on.	Water is not being supplied to unit.	Open all stops on mixing valve.
	Water pressure is over 80 PSI.	Install a pressure reducing valve.
	Failed diaphragm/magnet assembly.	Unscrew the valve clamp nut on valve. Remove valve cover. Gently press the diaphragm. The valve should activate. If not, replace the diaphragm/magnet assembly.
Timing can not be adjusted for more than 5 seconds.	There is an air leak.	Check the valve assembly: <ol style="list-style-type: none"> <li>Check all tubing and fittings for proper assembly.</li> <li>Tighten cap and nut on 1/8" tubing.</li> </ol>
Pushbutton does not work properly.	Air volume may not be sufficient to operate valve.	Check for leaks and lubricate U-cup: <ol style="list-style-type: none"> <li>Check all fittings for air leaks.</li> <li>Disassemble pushbutton and lubricate U-cup seal (see pushbutton assembly diagram on page 9).</li> </ol>
Water is dripping from the streamformers.	Debris has accumulated on valve seat or orifices.	Clean and inspect valve seat: <ol style="list-style-type: none"> <li>Remove screws and disassemble metering valve.</li> <li>Clean valve seat and inspect for deep gouges or scratches. Replace valve body if necessary.</li> <li>Remove any debris clogging off-center hole in rubber diaphragm.</li> </ol>

