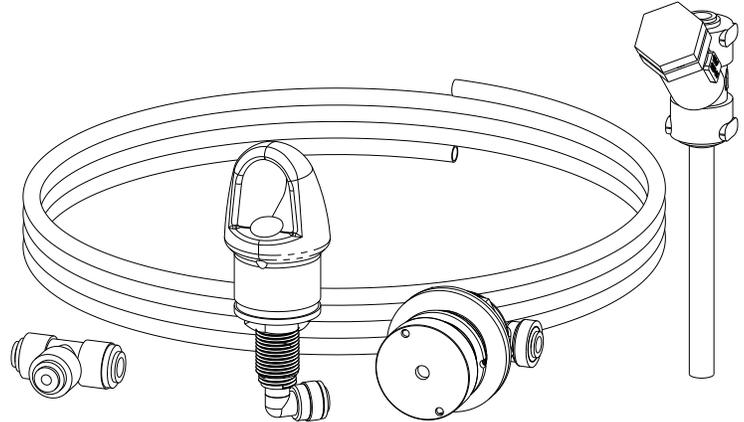


# BUBBLER / PUSHBUTTON RETROFIT KIT

1 / 2 / 3 STATION DRINKING  
FOUNTAIN KIT



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## REQUIRED ITEMS FOR INSTALLATION - NOT SUPPLIED

- ✍ 7/8" Open End Wrench
- ✍ 1-5/8" Open End Wrench or Channel Lock Pliers
- ✍ Roll Pin Punch (or 16d Nail)
- ✍ Thread Seal Teflon Tape
- ✍ Utility Knife

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7020-908-001 Rev: 03/11/22 E

**COMPLIES WITH STANDARDS**



**NSF/ANSI 61**



Federal Public Law 111-380 (No Lead)

Test rating conditions are compliant with ARI 1010.

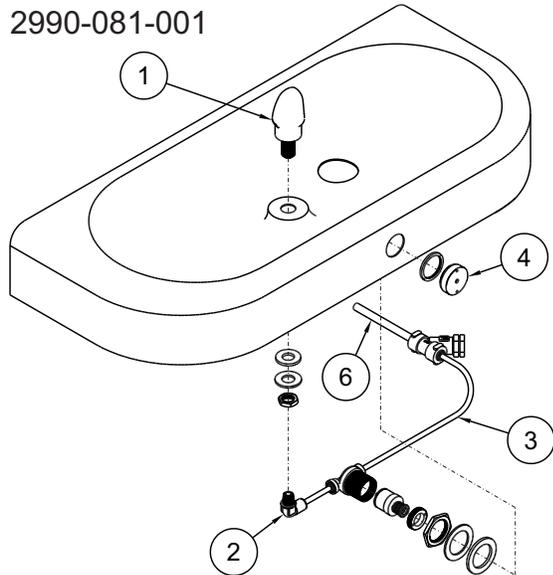
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**1 STATION KIT**

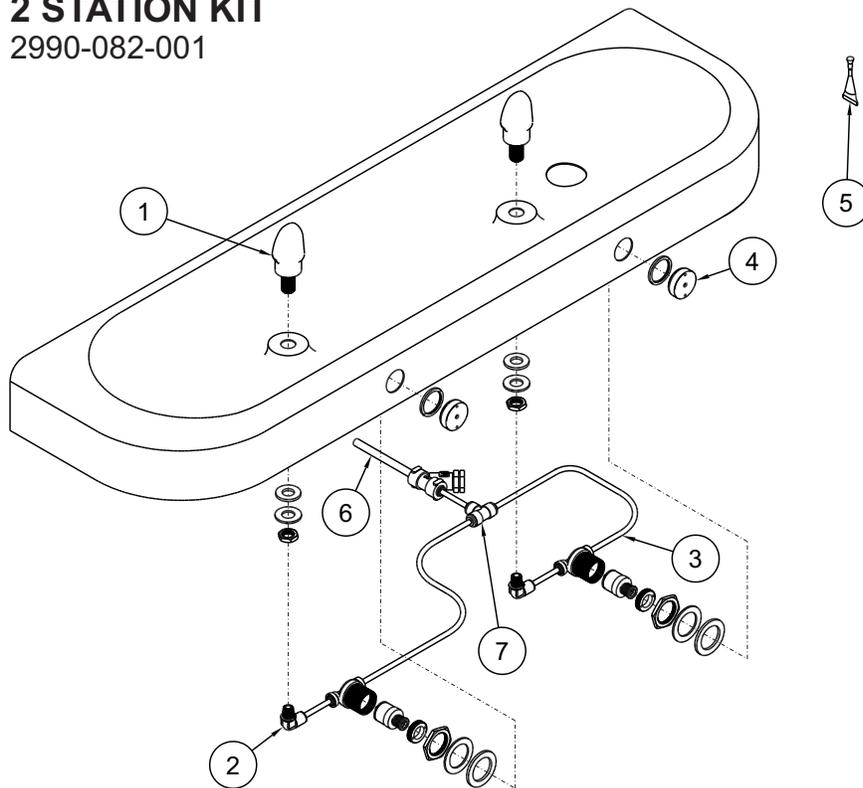
2990-081-001



1. Bubbler Assembly
2. 1/4" NPT x 1/4" OD Elbow, Push-In Fitting
3. 1/4" OD Poly Ethylene Tubing
4. Pushbutton Valve Assembly
5. Hand Tool Strength Thread Lock
6. 3/8" OD Inlet x 1/4" OD Outlet, "Y" Strainer with 3/8" OD NCT x 4" Long, Copper Tube
- 7: 1/4" OD Tee, Push-In Fitting

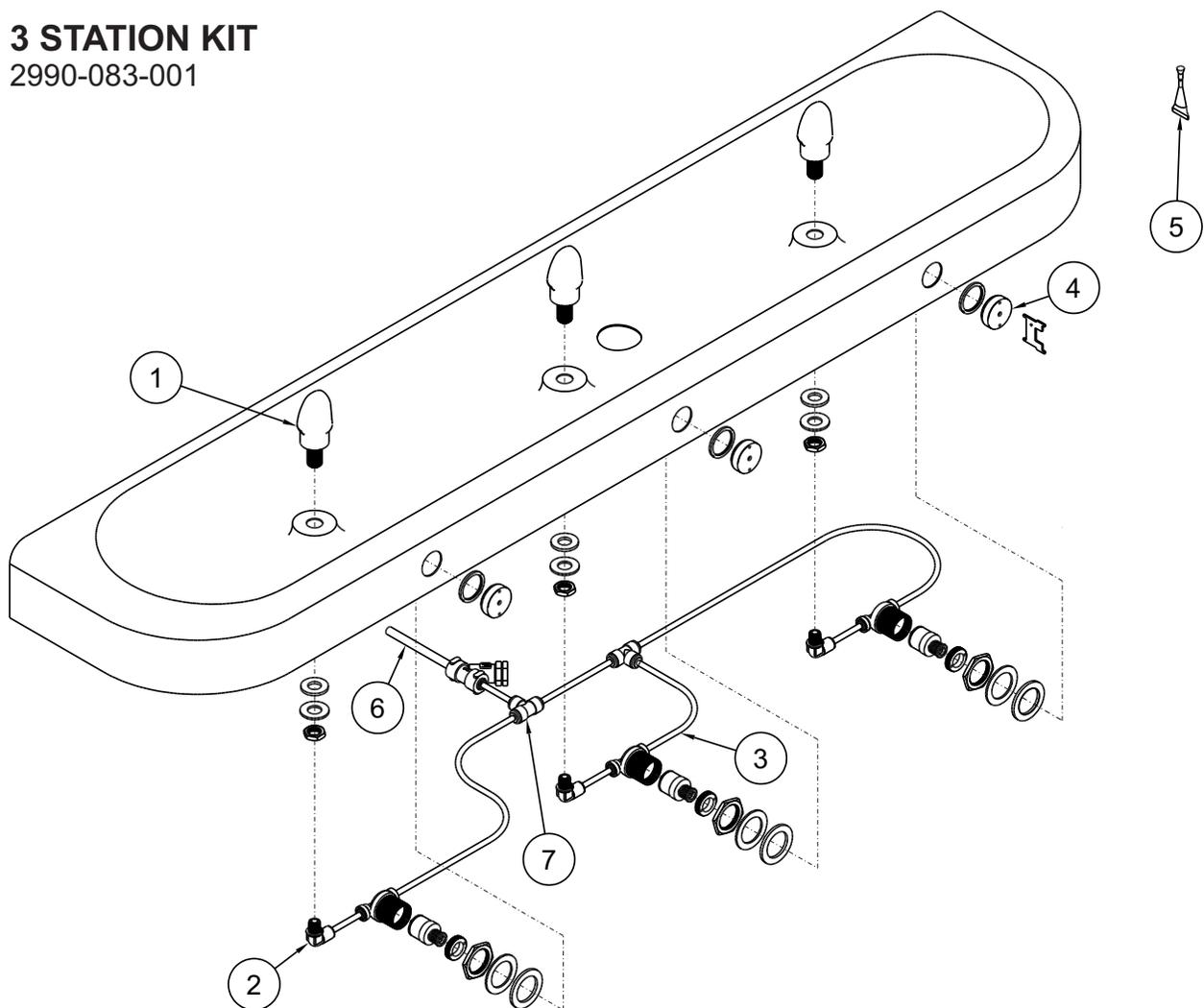
**2 STATION KIT**

2990-082-001



1. Bubbler Assembly
2. 1/4" NPT x 1/4" OD Elbow, Push-In Fitting
3. 1/4" OD Poly Ethylene Tubing
4. Pushbutton Valve Assembly
5. Hand Tool Strength Thread Lock
6. 3/8" OD Inlet x 1/4" OD Outlet, "Y" Strainer with 3/8" OD NCT x 4" Long, Copper Tube
7. 1/4" OD Tee, Push-In Fitting

**3 STATION KIT**  
2990-083-001

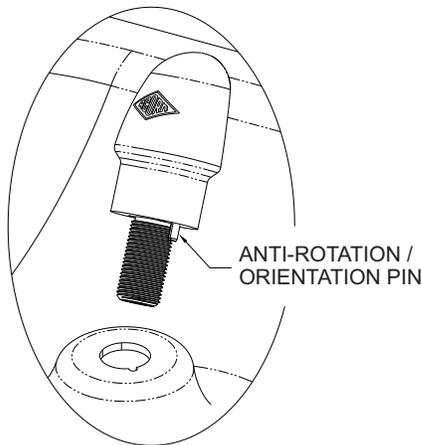


**INSTALLATION –ACORN RETROFIT**

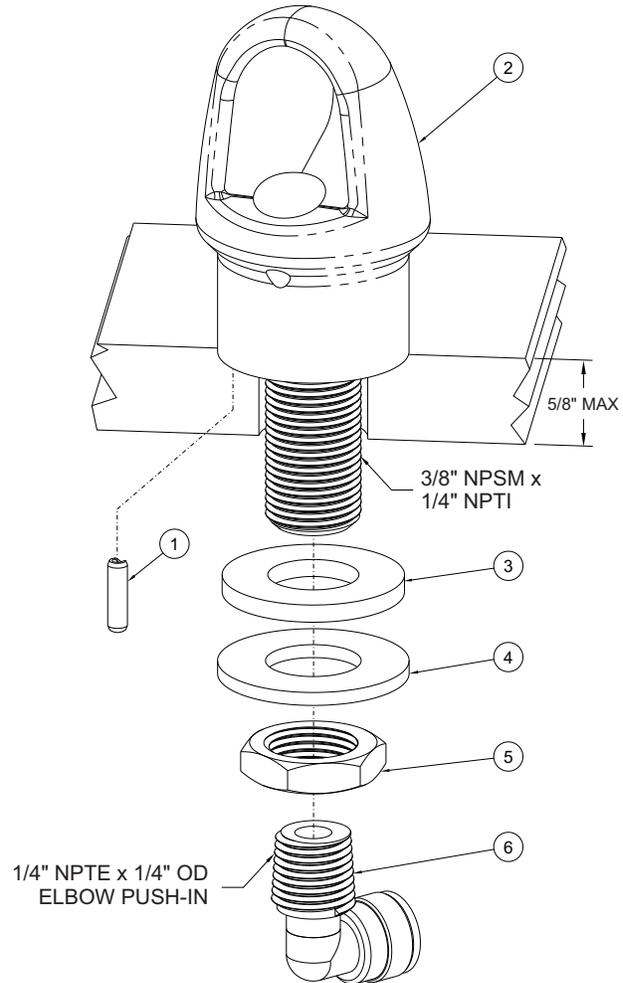
Acorn Retrofit Kit is intended to replace your worn pushbuttons and bubblers with contemporary replacement parts for your one, two and three station drinking fountains. Before installing the retrofit kit, remove the old, worn existing bubblers, tubing and pushbutton assemblies from your existing drinking fountain and review the installation manual provided.

**BUBBLER INSTALLATION:**

1. For fountains with an anti-rotation punching, verify orientation and fit of bubbler BEFORE inserting anti-rotation pin in the appropriate location on the bottom of the new bubbler. Insert anti-rotation pin tapping gently with appropriate roll pin punch or other similar object (such as a 16d nail) to fully seat and avoid damaging bubbler threads.
2. Align bubbler threaded inlet tube and anti-rotation pin with appropriate holes on deck and secure with washers, and locknut provided as shown.



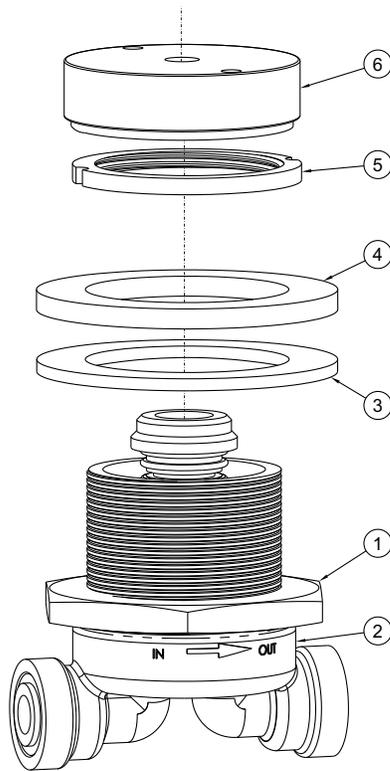
3. Carefully thread 1/4" NPT x 1/4" OD Tube Push-In fitting elbow to bubbler. Do not cross thread fitting onto bubbler threads.



1. Anti-Rotation / Alignment Pin
2. Stainless steel drinking bubbler
3. Rubber Gasket
4. Zinc Plated Mild Steel Washer
5. 7/8" x 3/8" NPSMI Brass Nut
6. 1/4" NPT x 1/4" OD Push-in Elbow Fitting

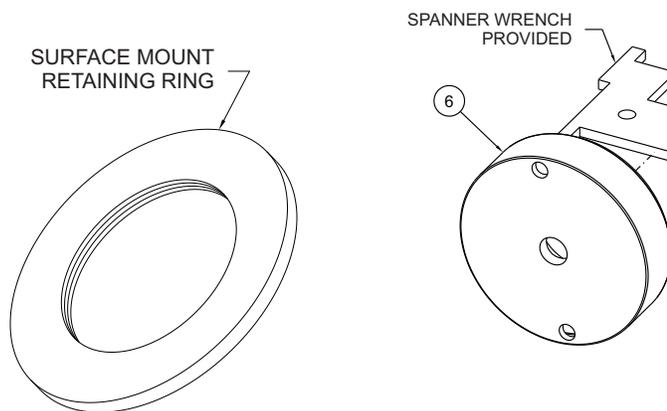


Flush supply lines of all foreign material such as pipe dope, pipe chips, solder, sand etc. before making up supply connections.



1. 1-5/8" x 1-1/4"-18 UNEF Brass Nut
2. Valve Cartridge Assembly
3. Stainless Steel Washer
4. Rubber Gasket
5. Chrome Plated Surface Retaining Ring
6. Pushbutton Cap Assembly

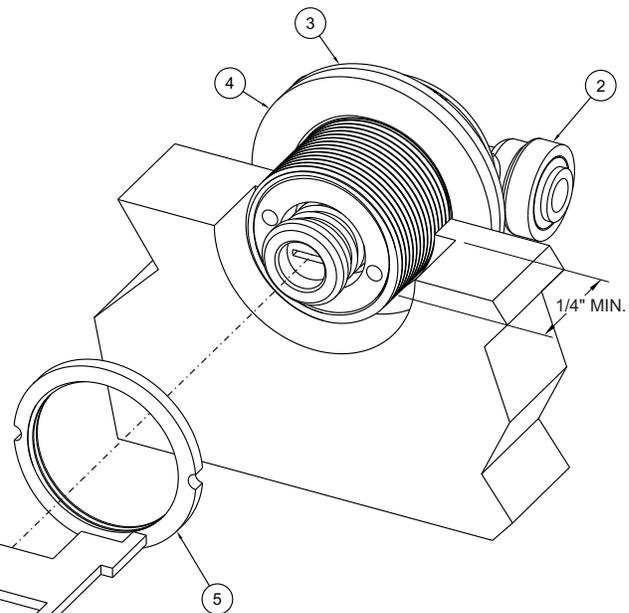
\*Surface Mount Retaining Ring below not required for recessed installation.



Do not use regulator valve assembly for leverage as this may cause damage to the body.

**RECESSED PUSHBUTTON VALVE INSTALLATION:**

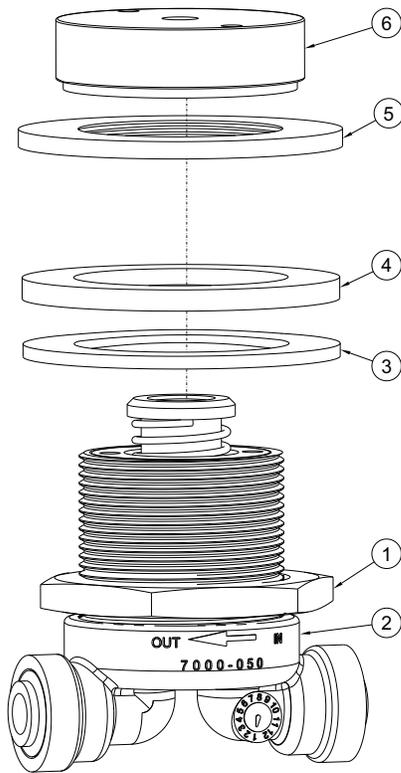
1. Turn the 1-5/8" x 1-1/4"-18 UNEF brass jam nut on the valve cartridge assembly back until it nears the white regulator valve body. Do not loosen further. Do not use the valve body for leverage as this may damage to the valve body.
2. Assemble stainless steel washer and rubber gasket to pushbutton valve body as shown. From the fixture underside, fit valve cartridge assembly with washers as shown thru opening in basin and hand tighten chrome plated retaining ring to fixture. Hand tighten retaining ring with spanner wrench provided until the wrench slips. Use spanner wrench to hold retaining ring while tightening jam nut with 1-3/4" open end wrench.



3. After securing the valve body to the fixture apply 1 drop of hand tool strength thread lock provided to threads on pushbutton assembly and tighten to exposed valve threads.

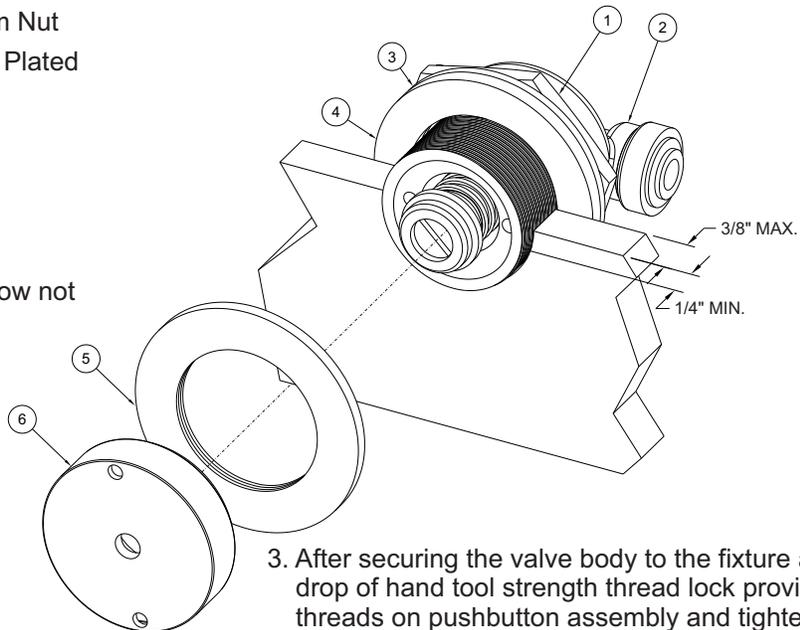


Apply thread lock provided to threads on pushbutton assembly and tighten to exposed valve threads.



1. 1-5/8" x 1-1/4"-18 UNEF Brass Jam Nut
2. Valve Cartridge Assembly Chrome Plated Surface Retainer Ring
3. Rubber Gasket
4. Stainless Steel Washer
5. Chrome Plated Retainer Ring
6. Pushbutton Cap Assembly

\*Recessed Mount Retaining Ring below not required on surface installation.



3. After securing the valve body to the fixture apply 1 drop of hand tool strength thread lock provided to threads on pushbutton assembly and tighten to exposed valve threads.



Do not use regulator valve assembly for leverage as this may cause damage to the body.

**SURFACE PUSHBUTTON VALVE INSTALLATION:**

1. Turn the 1-5/8" x 1-1/4"-18 UNEF brass jam nut on the valve cartridge assembly back until it nears the white regulator valve body . Do not loosen further. Do not use the valve body for leverage as this may damage to the valve body.
2. Assemble stainless steel washer and rubber gasket to pushbutton valve body as shown. From the fixture underside, fit valve cartridge assembly with washers as shown thru opening in basin and hand tighten chrome plated surface mounting ring leaving approximately 3/16" of thread remaining above mounting ring. Use 1-5/8" open end wrench to tighten jam nut to fixture securing pushbutton valve assembly.



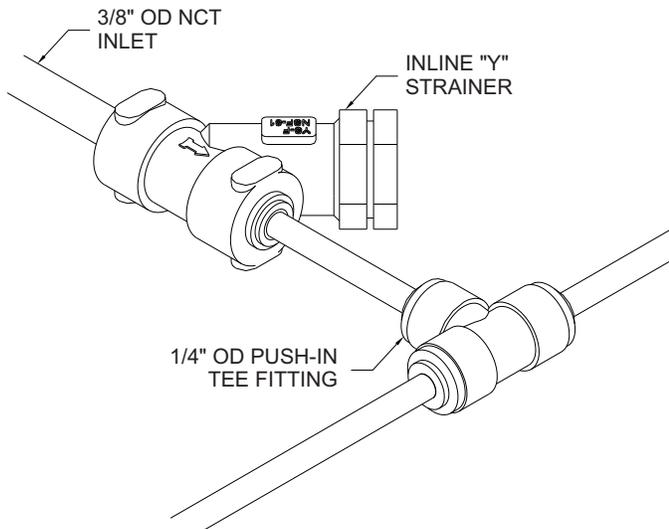
Apply thread lock provided to threads on pushbutton assembly and tighten to exposed valve threads.

**! IMPORTANT**

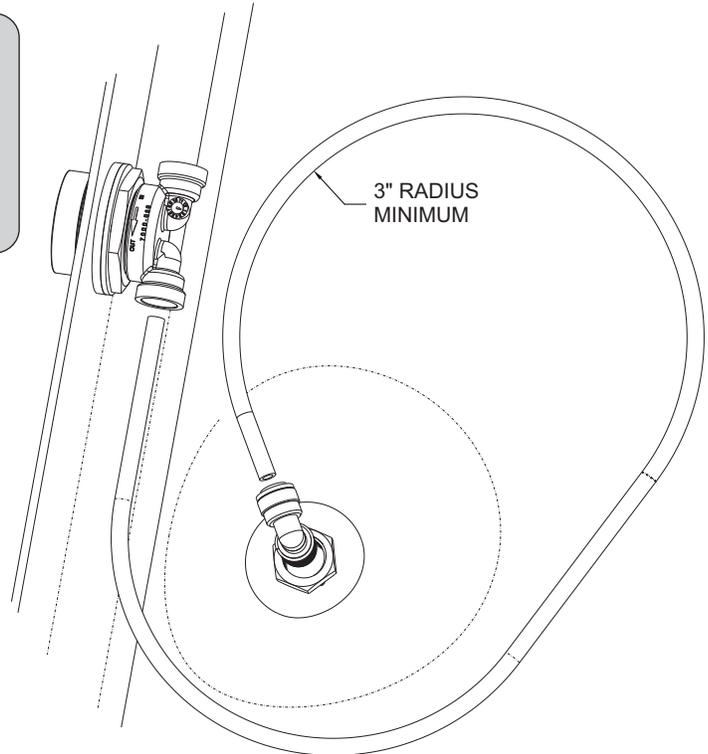
Cut Poly Ethylene tubing square. Tubing that is cut at a diagonal or with an irregular finish will produce leaks. To avoid leaking connections ensure tubing ends are cut square.

**TUBE & SUPPLY LINE CONNECTIONS:**

1. Starting from bubbler elbow fitting(s) dry fit 1/4" OD tubing to corresponding white regulator valve body "OUT" port; ensuring that all bend radii are greater than or equal to 3". Cut 1/4" OD Poly Ethylene tubing square and make up connection to Push-in fittings provided, pushing 1/4" OD tube as far as it will go to fully seat.
2. From the "IN" port on the white regulator valve body dry fit 1/4" OD tubing to union tee or directly to the top port of the "Y" strainer as required ensuring that all bend radii are greater than or equal to 3". Cut 1/4" OD Poly Ethylene tubing square and make up connection to Push-in fittings provided, pushing 1/4" OD tube as far as it will go to fully seat.

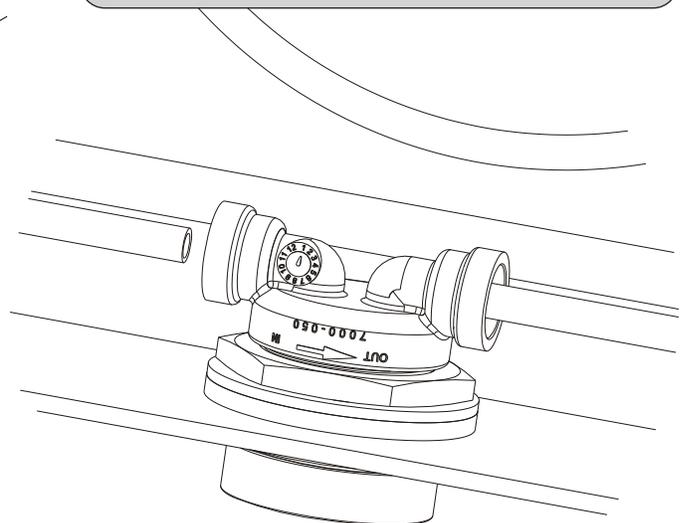


3. Flush supply inlet to complete installation before connecting to 3/8" NCT tubing inlet on "Y" strainer.

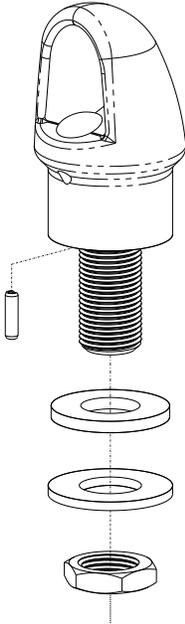
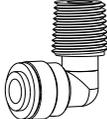
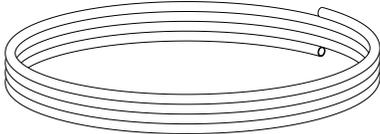
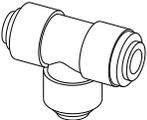


**! IMPORTANT**

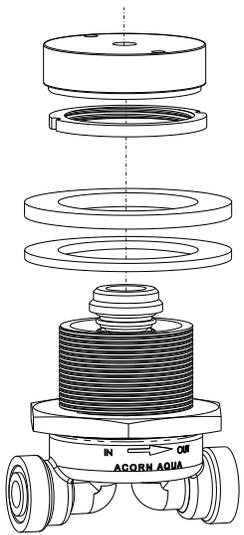
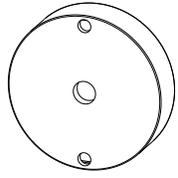
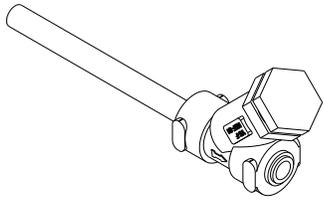
NOTE: Make up connections to the Pushbutton Regulator Valve as indicated on the valve. I.E. Connect tubing from the valve "OUT" port to the elbow fitting on the bubbler. Connect tubing from valve "IN" port to supply inlet from tee or riser.



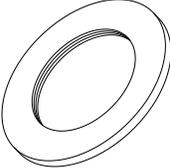
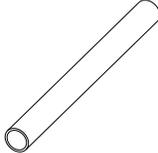
**COMPONENTS & REPAIR PARTS**

Description	Part No.	Diagram
Stainless Steel Bubbler, Retrofit Assembly	2990-080-001	
1/4" NPT x 1/4" OD Elbow, Push-in Fitting	1895-705-000	
1/4" OD x 10 Feet Long LLDPE Tubing	2169-000-000	
1/4" OD Tube Union, Push-In Fitting	1895-710-000	

**COMPONENTS & REPAIR PARTS**

Description	Part No.	Diagram
<p>Recessed Pushbutton Retrofit Valve Assembly</p>	<p>7000-070-001</p>	
<p>Retrofit Pushbutton Assembly</p>	<p>7000-092-001</p>	
<p>Flow Regulator Cartridge</p>	<p>7000-060-000</p>	
<p>"Y" Strainer Assembly</p>	<p>7000-022-001</p>	

**COMPONENTS & REPAIR PARTS**

Description	Part No.	Diagram
Retaining Ring, Brass, Chrome Plated, Surface Mounting	7000-066-199	
3/8" OD Inlet x 1/4" OD Outlet, "Y" Strainer	7000-021-001	
3/8" OD x 4" Long NCT, Copper Tubing	7000-023-199	



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## **WARRANTY INFORMATION**

Acorn warrants that all of its products are guaranteed against defective material or poor workmanship for a period of one year from date of shipment. Acorn's liability under this warranty shall be discharged by replacing without charge F.O.B. City of Industry, California, any goods, or part thereof, which appears to the company upon inspection to be of defective material or not of first class workmanship, provided that claim is made in writing to the company within reasonable period after receipt of the product. Where claims for defects are made, the defective part or parts shall be delivered to the company, prepaid, at City of Industry, California for inspection. Acorn will not be liable for the cost of repairs, alterations or replacement, or for any expense connected therewith made by the owner or his agents, except upon written authority from the Acorn City of Industry office. Acorn will not be liable for any damages caused by defective materials or poor workmanship, except for replacements, as above provided. Contact local Acorn Representative for complete terms and conditions.