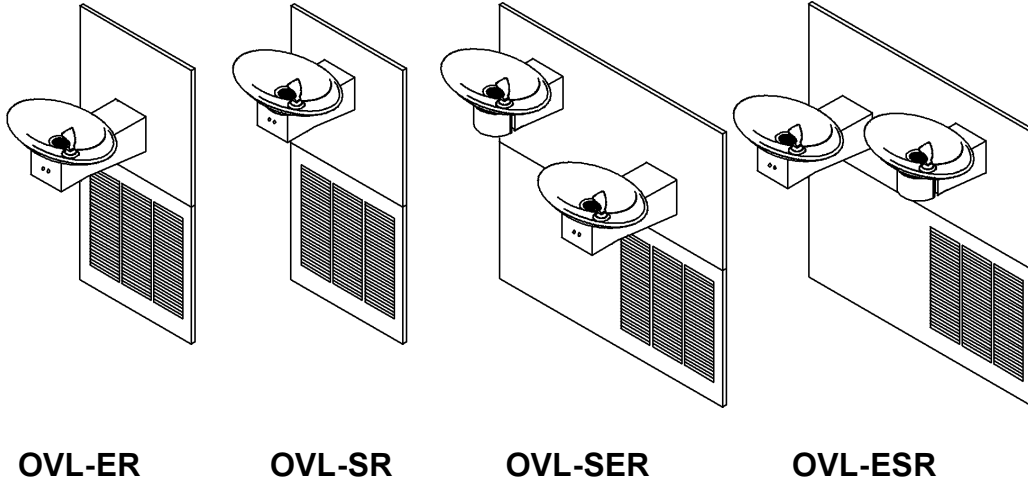


Halsey Taylor Owners Manual

Refrigerated Fountains



OVL-ER

OVL-SR

OVL-SER

OVL-ESR

Installer

To assure you install this model easily and correctly, PLEASE READ THESE SIMPLE INSTRUCTIONS BEFORE STARTING THE INSTALLATION. CHECK YOUR INSTALLATION FOR COMPLIANCE WITH PLUMBING, ELECTRICAL AND OTHER APPLICABLE CODES. After installation, leave these instructions inside the fountain for future reference.

IMPORTANT

ALL SERVICE TO BE PERFORMED BY AN AUTHORIZED SERVICE PERSON

IMPORTANT! INSTALLER PLEASE NOTE.

THE GROUNDING OF ELECTRICAL EQUIPMENT SUCH AS TELEPHONE, COMPUTERS, ETC. TO WATER LINES IS A COMMON PROCEDURE. THIS GROUNDING MAY BE IN THE BUILDING OR MAY OCCUR AWAY FROM THE BUILDING. THIS GROUNDING CAN CAUSE ELECTRICAL FEEDBACK INTO A FOUNTAIN, CREATING AN ELECTROLYSIS WHICH CAUSES A METALLIC TASTE OR AN INCREASE IN THE METAL CONTENT OF THE WATER. THIS CONDITION IS AVOIDABLE BY USING THE PROPER MATERIALS AS INDICATED. ANY DRAIN FITTINGS PROVIDED BY THE INSTALLER SHOULD BE MADE OF PLASTIC TO ELECTRICALLY ISOLATE THE FOUNTAIN FROM THE BUILDING PLUMBING SYSTEM.

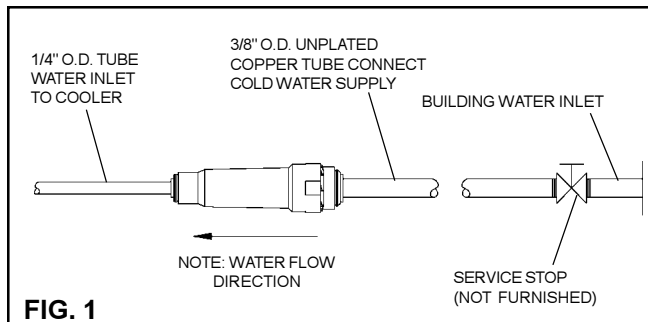
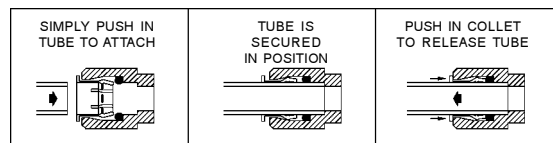


FIG. 1

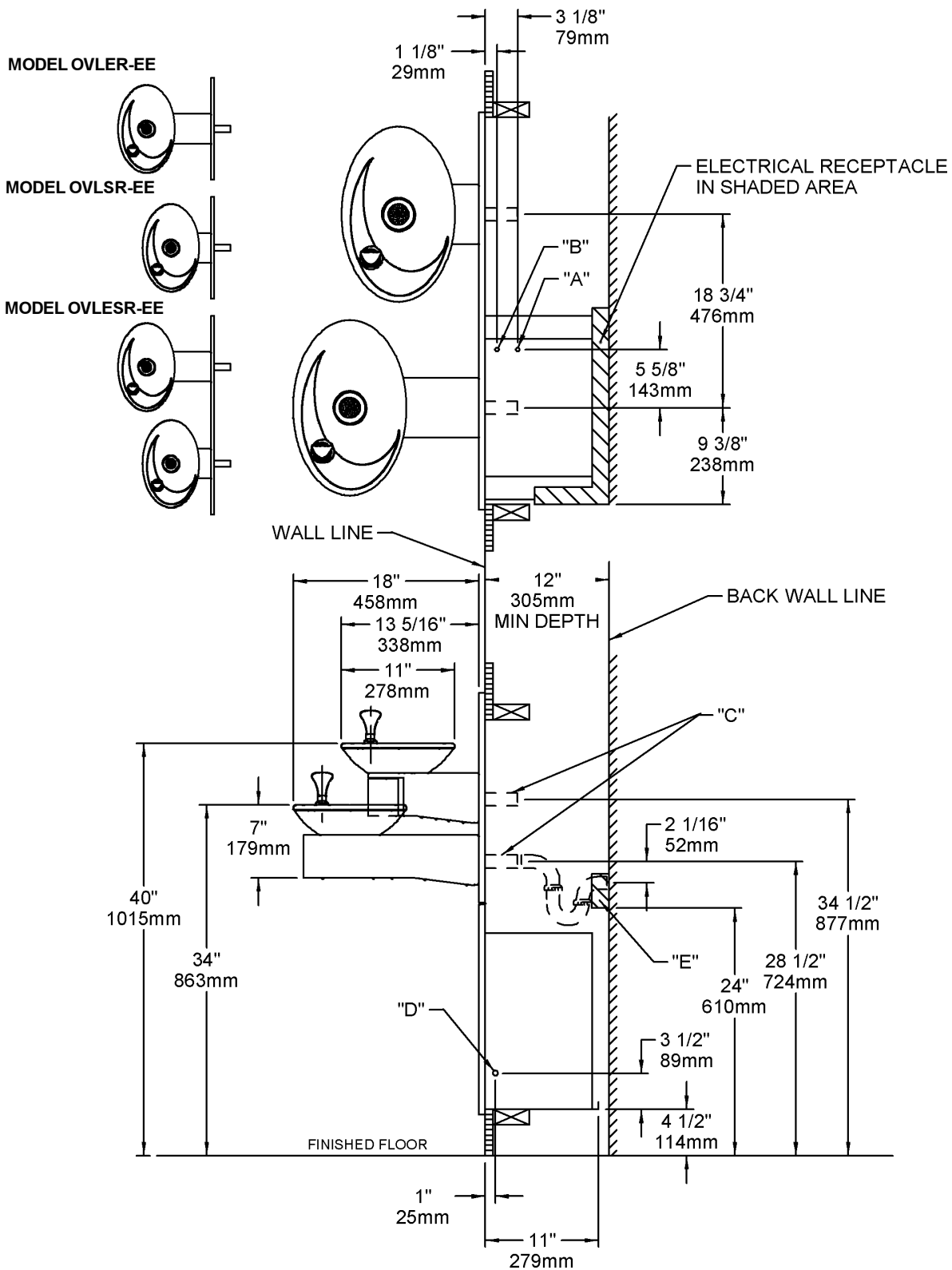
OPERATION OF QUICK CONNECT FITTINGS



PUSHING TUBE IN BEFORE PULLING IT OUT HELPS TO RELEASE TUBE

FIG. 2

MODEL OVLSER-EE SHOWN



LEGEND:

- A = 3/8" O.D. UNPLATED COPPER TUBE CONNECT (CHILLER WATER OUTLET)
- B = 3/8" O.D. UNPLATED COPPER TUBE CONNECT (CHILLER WATER INLET) SHUT OFF VALVE BY OTHERS
- C = 1-1/4" O.D. WASTE TUBE (ELBOW AND TRAP NOT PROVIDED)
- D = ELECTRICAL INLET
- E = ELECTRICAL OUTLET LOCATION. ADDITIONAL UL/CSA LISTED GROUNDED OUTLET (BY OTHERS) REQUIRED FOR 115 VOLT, 60Hz.

FIG. 3

INSTALLATION INSTRUCTIONS

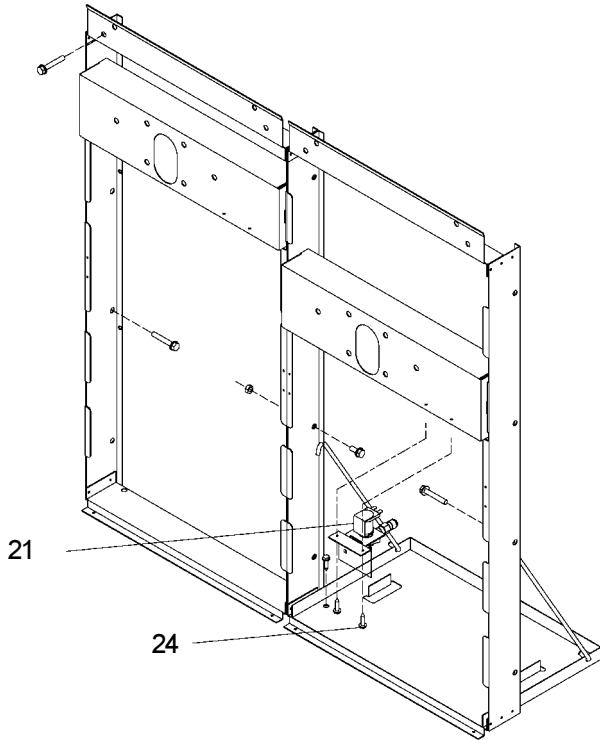
1. Install mounting frame. See mounting frame instructions.
2. These products are designed to operate on 20-105 PSIG supply line pressure. If inlet pressure is above 105 PSIG, a pressure regulator must be installed in the supply line. Any damage caused by reason of connecting these products to supply line pressures lower than 20 PSIG or higher than 105 PSIG is not covered by warranty.
3. Install remote chiller. Remove front panel of chiller. Slide chiller onto the shelf and position it to the left within the guides on the shelf.
4. Make water supply connections. Install a shut-off valve and union connection to building water supply (valve and union not provided). Turn on the water supply and flush the line thoroughly.
5. **OVLER-EE, OVLSR-EE MODELS:** (Ref. Fig. 5) Make connection between remote chiller and building supply line. Remove the 3/8" x 1/4" union (item 44) from the chiller inlet tube and install the 3/8" x 3/8" union (item 49) on the chiller outlet tube. Install the strainer (item 39) on the chiller inlet tube. Install a 3/8" O.D unplated copper water line between the valve and the cooler. Remove all burrs from the outside of the water line. Insert the 3/8" water line into the inlet side of the strainer by pushing it in until it reaches a positive stop, approximately 3/4" (19mm). See Figures 1 and 2. **DO NOT SOLDER TUBES INSERTED INTO THE STRAINER AS DAMAGE TO THE O-RINGS MAY RESULT.**

OVLSER-EE: (Ref. Fig. 6) Make connection between remote chiller and building supply line. Remove the 3/8" x 1/4" union (item 44) from the chiller inlet tube and install it on the water inlet line of the upper fountain. Install the strainer (item 39) on the chiller inlet tube. Install a 3/8" O.D unplated copper water line between the valve and the cooler. Remove all burrs from the outside of the water line. Insert the 3/8" water line into the inlet side of the strainer by pushing it in until it reaches a positive stop, approximately 3/4" (19mm). See Figures 1 and 2. **DO NOT SOLDER TUBES INSERTED INTO THE STRAINER AS DAMAGE TO THE O-RINGS MAY RESULT.**
6. **OVLER-EE, OVLSR-EE:** Make connection between remote chiller and solenoid valve assy. Insert end of 3/8" O.D. tube (provided) into union on chiller outlet and the other end into the 3/8" x 1/4" union. Next insert end of 1/4" O.D. tube (provided) into union and the other end into the straight fitting on solenoid valve assy.

OVLSER-EE: Make connection between remote chiller and solenoid valve assy. Install the 3/8" tee (provided) on the chiller outlet tube. Insert end of 3/8" O.D. tube (provided) into outlet of the 3/8" tee and the other end into the 3/8" x 1/4" union. Next insert end of 1/4" O.D. tube (provided) into union and the other end into the straight fitting on solenoid valve assy.
7. Hang the upper panel on the mounting frame hanger. Align holes in the panel with holes in the mounting frame. Be sure that panel is engaged with hanger at top of frame before releasing it.
8. Install fountains. Remove bottom cover plates on underside of fountains and save the screws. Mount the fountains to the upper panel and the wall frame with (4) 5/16" x 3/4" (19mm) long bolts and nuts (provided). Tighten securely.
9. **OVLER-EE, OVLSR-EE:** Connect solenoid valve assy to regulator holder in fountain by installing 1/4" O.D. tube (provided).

OVLSER-EE: Connect solenoid valve assy and regulator holder in fountain with sensor by installing 1/4" O.D. tube (provided). Connect fountain with push button to chiller by inserting 3/8" O.D. tube (provided) into remaining outlet of the 3/8" tee and the other end into the 3/8" x 1/4" union that was removed from the chiller inlet. Insert 1/4" O.D. tube (provided) into end of union and the other end into the regulator holder of push button fountain.
10. Remove elbow from end of p-trap and attach it to drain tube. Re-attach elbow to p-trap and cut waste tube to required length using plumbing hardware and trap as a guide.
11. Connect power cord of sensor to solenoid valve by running it through the back panel and connecting it as shown in Fig. 7. Connectors may be connected to either terminal on solenoid valve. Attach ground wire to solenoid valve bracket with green ground screw.
12. Attach solenoid valve assy. to the underside of cross member of mounting frame on electric eye unit. See Figure 4.
13. Turn on water supply. Release air from tank by interrupting infrared beam; steady stream of water assures all air is removed. The sensor has a 30 second maximum **ON** time. It may be necessary to step away from beam a few times to allow chiller tank to fill. Check for leaks.
14. Make electrical connections to chiller and replace front panel. See chiller instructions.
15. Check stream height from bubbler. Adjust stream height by adjusting the screw on the regulator (item 40). Clockwise adjustment will raise stream height and counter-clockwise will lower stream height. If needed, adjust push arm/regulator clearance by turning phillips head screw on regulator bracket assy., **Pushbar units only** (item 48, fig. 10). For best adjustment a stream height of 1-1/2" (38mm) above the projector is recommended. (See fig. 12).
16. Mount lower panel. Loosen the (2) #10-24 x 5/8" (16mm) screws at frame bottom lip. Slide upper tongue of lower panel under lower edge of already installed upper panel. Tighten previously loosened screws securely.
17. Replace bottom cover plate to fountain basin using screws provided. Tighten securely.

MOUNTING FRAME OVL-SER



MOUNTING FRAME OVL-ESR

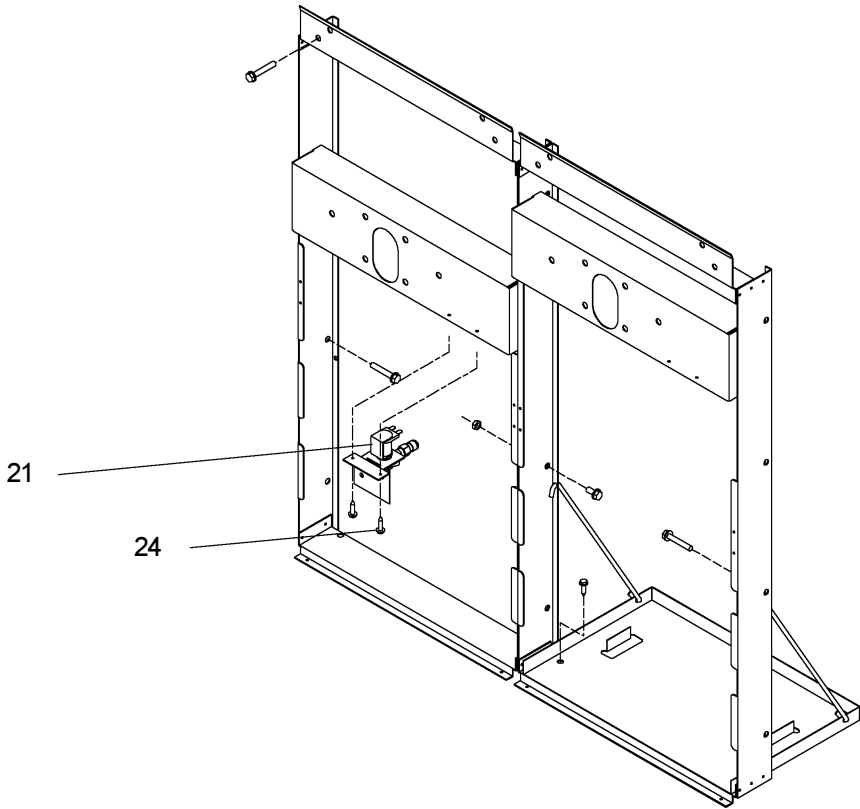


FIG. 4

OVLSR/ER-EE TUBE ROUTING

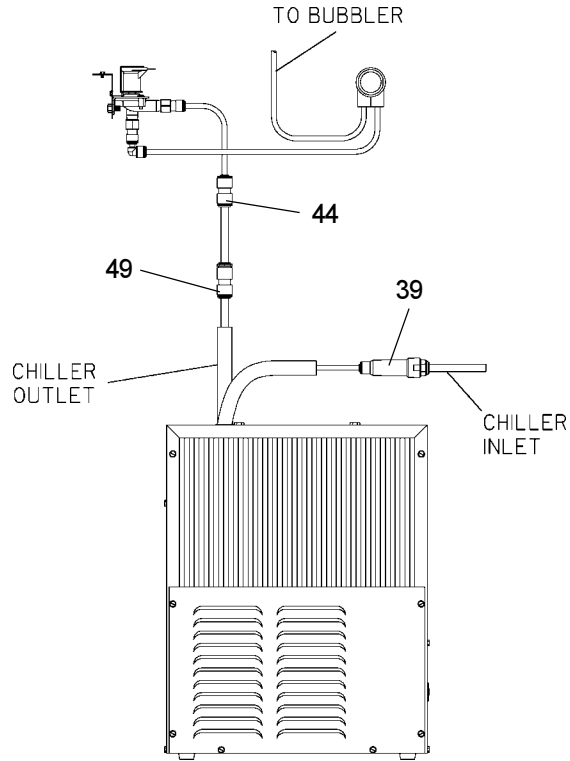


FIG. 5

OVLSER-EE & OVLESR-EE TUBE ROUTING

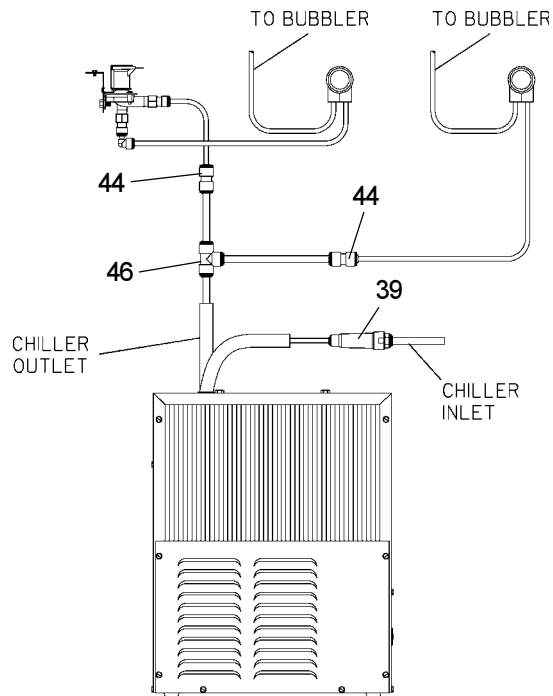


FIG. 6

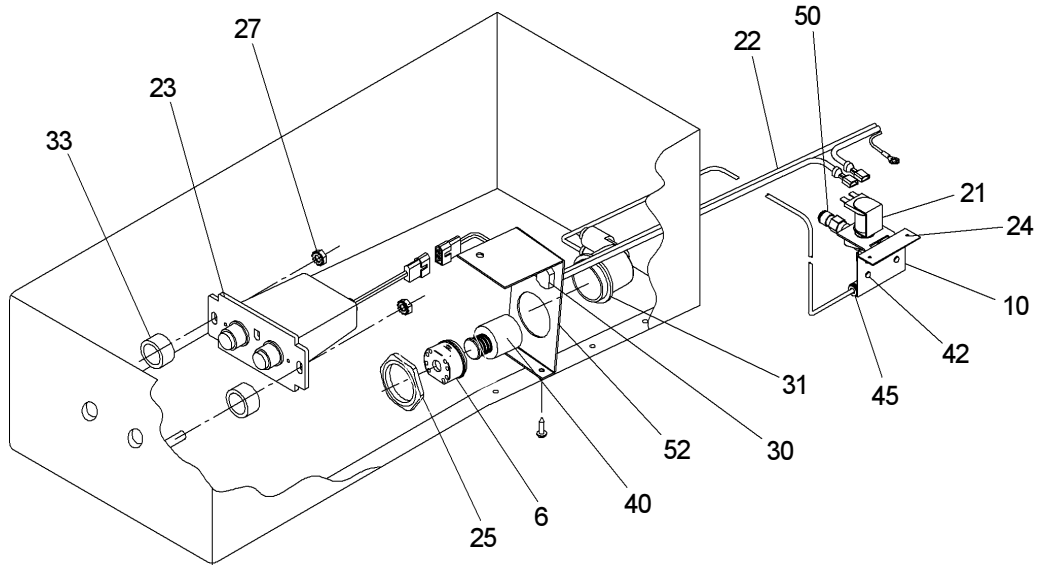


FIG. 7

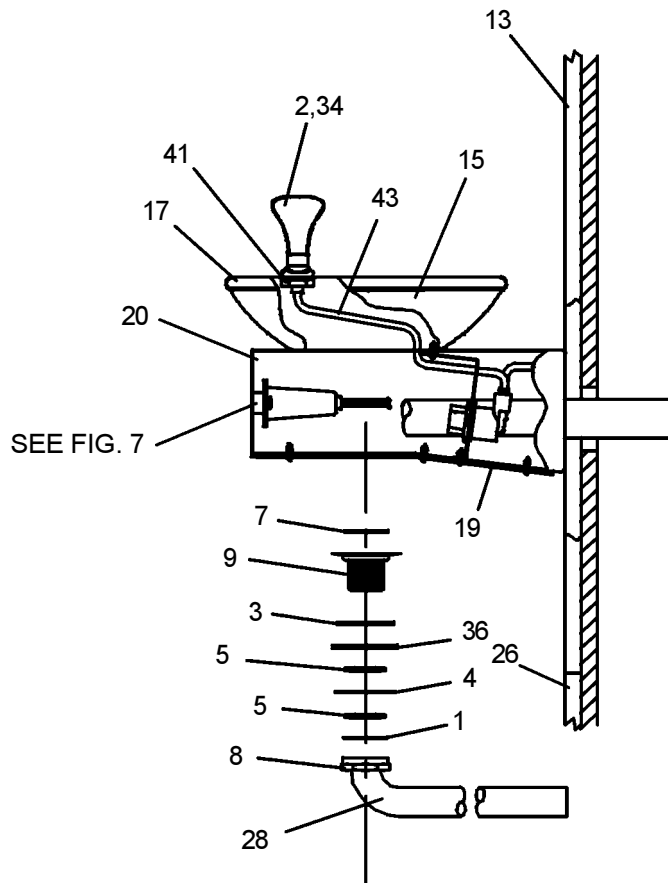


FIG. 8

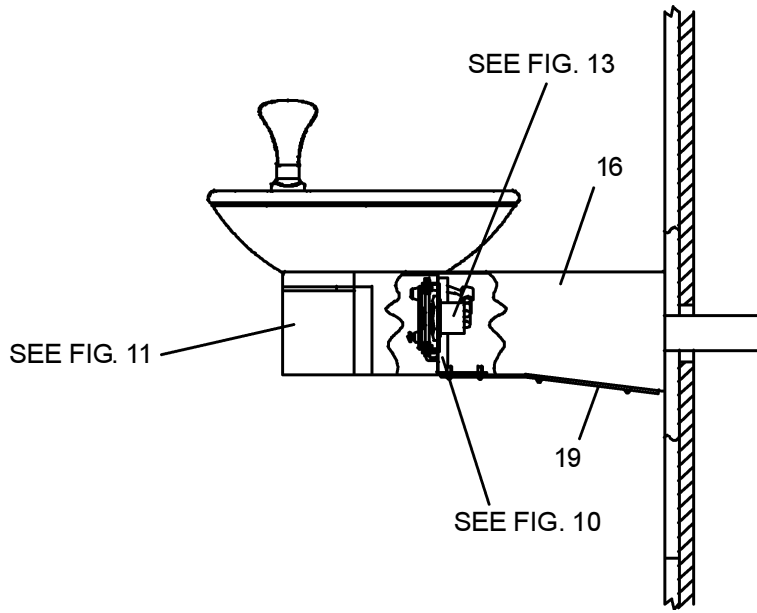


FIG. 9

REGULATOR MOUNTING MECHANISM

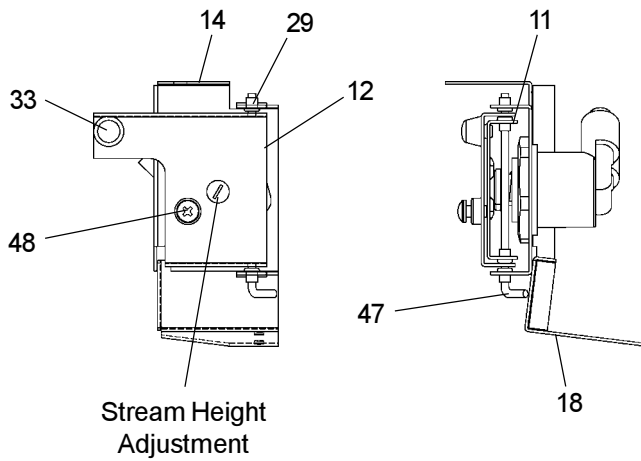


FIG. 10

PUSH BAR MECHANISM

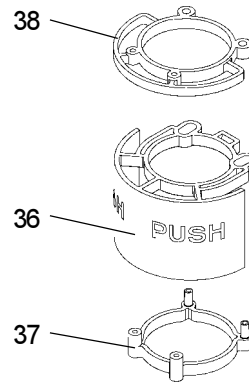


FIG. 11

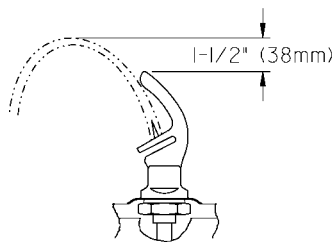


FIG. 12

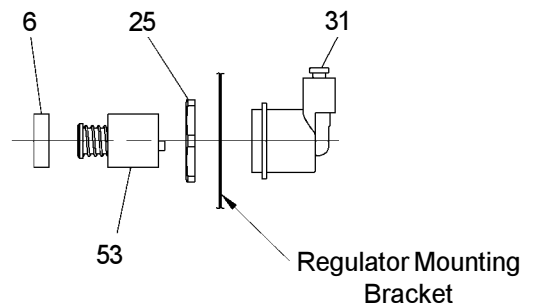


FIG. 13

OVLER-EE * 1F, OVLSR-EE * 1F, OVLSER-EE * 1F, OVLESR-EE * 1F

PARTS LIST		
ITEM	PARTNO.	DESCRIPTION
1	100023340560	Gasket - Neoprene
2	100322740560	Bubbler Gasket
3	101570540560	Gasket
4	101637451550	Friction Ring
5	110346220550	Lock Nut
6	56082C	Nut - Regulator
7	160270508640	Strainer
	45400C	Strainer (AG)
8	161570808550	Slip Nut 1-1/4
9	161637308640	Drain Plug
	45398C	Drain Plug (AG)
10	22526C	Solenoid Mtg. Bracket
11	22635C	Reg. Adjust Arm
12	22646C	Reg. Arm Assy.
13	26958C	Panel - Upper (OVLSER)
	27889C	Panel - Upper (OVLSER) (AG)
	22795C	Panel - Upper (OVLESR)
	27891C	Panel - Upper (OVLESR) (AG)
	22797C	Panel - Upper (OVLER)
	27885C	Panel - Upper (OVLER) (AG)
	22799C	Panel - Upper (OVLSR)
	27887C	Panel - Upper (OVLSR) (AG)
14	26992C	Reg. Mtg. Bracket
15	27000C	Basin Liner
	27344C	Basin Liner (AG)
16	27004C	Arm
	27340C	Arm (AG)
17	27006C	Basin
	27342C	Basin (AG)
18	27008C	Reaction Bracket
19	26990C	Cover - Bottom (OVLSER)
	27688C	Cover - Bottom (OVLSR)
	27689C	Cover - Bottom (OVLER)
20	27691C	Fountain Body Assy. (OVLER)
	27754C	Fountain Body Assy. (OVLER) (AG)
	27692C	Fountain Body Assy. (OVLSR)
	27755C	Fountain Body Assy. (OVLSR) (AG)
21	31272C	Solenoid Valve
22	31376C	Power Cord

PARTS LIST		
ITEM	PARTNO.	DESCRIPTION
23	31384C	Sensor Assy.
24	38417001	Screw - #8-18 x .38 HHSM
25	40045C	Hex Nut 1-5/16
26	27026C	Panel - Lower (OVLSER)
	27895C	Panel - Lower (OVLSER) (AG)
	26833C	Panel - Lower (OVLSR/ER)
	27893C	Panel - Lower (OVLSR/ER) (AG)
27	70016C	Hex Nut 10-32
28	45682C	Drain Tube (OVLSR)
	45683C	Drain Tube (OVLER)
29	50198C	Snap Bushing .125 I.D.
30	50203C	Strain Relief Bushing
31	50986C	Regulator Holder
32	51409C	Spacer
33	51468C	Reg. Valve Assy. Bumper
34	51546C	Bubbler
	45396C	Bubbler (AG)
35	51575C	Packing Ring
36	55836C	Plate - Actuator
37	55991C	Plate - Actuator (AG)
	55839C	Plate - Actuator Bottom
38	55840C	Plate - Actuator Top
39	55996C	Strainer In-Line
40	61313C	Regulator W/Red Spring
41	15008C	Bubbler Nipple Assy
42	70256C	Screw - 1/4-20 x .38 HHTC
43	56092C	Poly Tubing (Cut To Length)
44	70745C	Union - 3/8 x 1/4
45	70817C	Elbow - 1/4
46	70852C	Tee - 3/8
47	70854C	Pivot Rod
48	70856C	Screw - #10-24 x .38 PHMS
49	70870C	Union - 3/8 x 3/8
50	75507C	Fitting - 1/4 NPTF
51	70989C	Screw - #8-36 x .37 Ground
52	27687C	Reg. Mtg. Bracket
53	61314C	Regulator W/Green Spring

TROUBLE SHOOTING AND MAINTENANCE

Orifice Assy: Mineral deposits on orifice can cause water flow to spurt or not regulate. Mineral deposits may be removed from the orifice with a small round file or small diameter wire. CAUTION: DO NOT file or cut orifice material.

Stream Regulator: If orifice is clean, regulate flow as in "STREAM HEIGHT ADJUSTMENT" instructions on page 3. If replacement is necessary, see parts list for correct regulator part number.

Actuation of Quick Connect Water Fittings: Fountain is provided with lead-free connectors which utilize an o-ring water seal. To remove tubing from the fitting, relieve water pressure, push in on the gray collar while pulling on the tubing (See fig. 2). To insert tubing, push tube straight into fitting until it reaches a positive stop, approximately 3/4".

CAUTION: Cleaning of Aztec Gold Models requires special care. Outer surfaces must be cleaned with a mild detergent or mixture of vinegar and water only, rinsed and wiped dry. Abrasive and acidic cleaners may eventually damage the Aztec Gold finish.

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