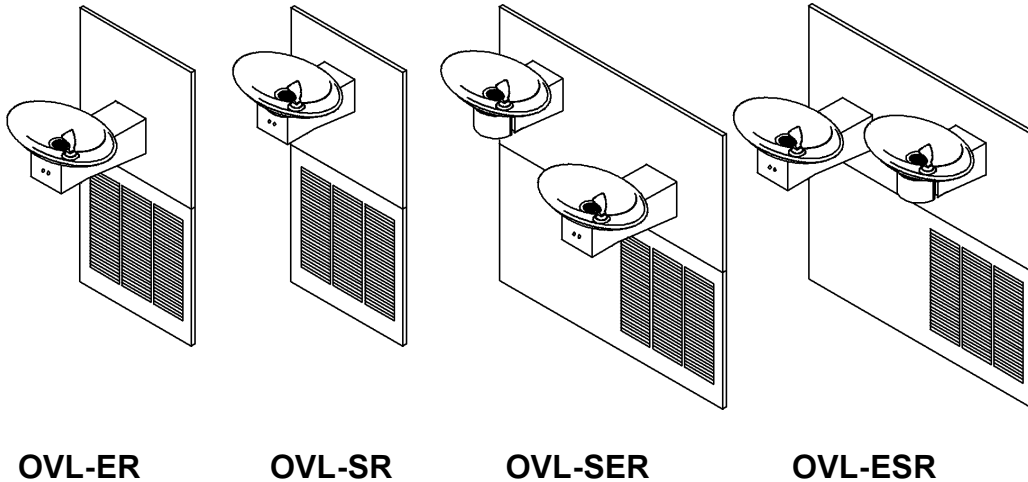


# Halsey Taylor Owners Manual

## Refrigerated Fountains



### Installer

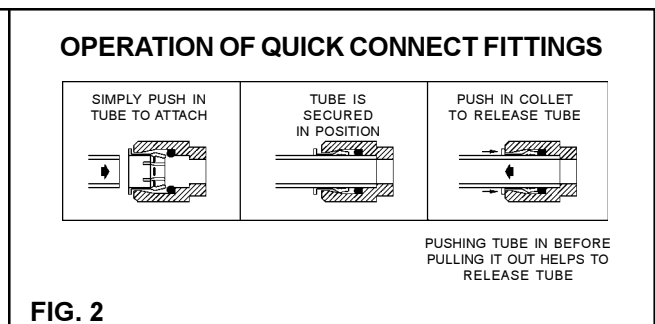
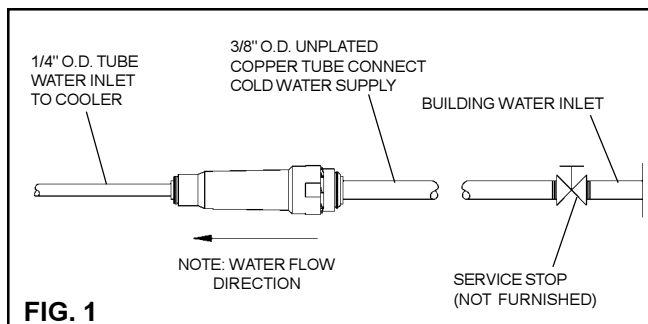
To assure you install this model easily and correctly, PLEASE READ THESE SIMPLE INSTRUCTIONS BEFORE STARTING THE INSTALLATION. CHECK YOUR INSTALLATION FOR COMPLIANCE WITH PLUMBING, ELECTRICAL AND OTHER APPLICABLE CODES. After installation, leave these instructions inside the fountain for future reference.

### IMPORTANT

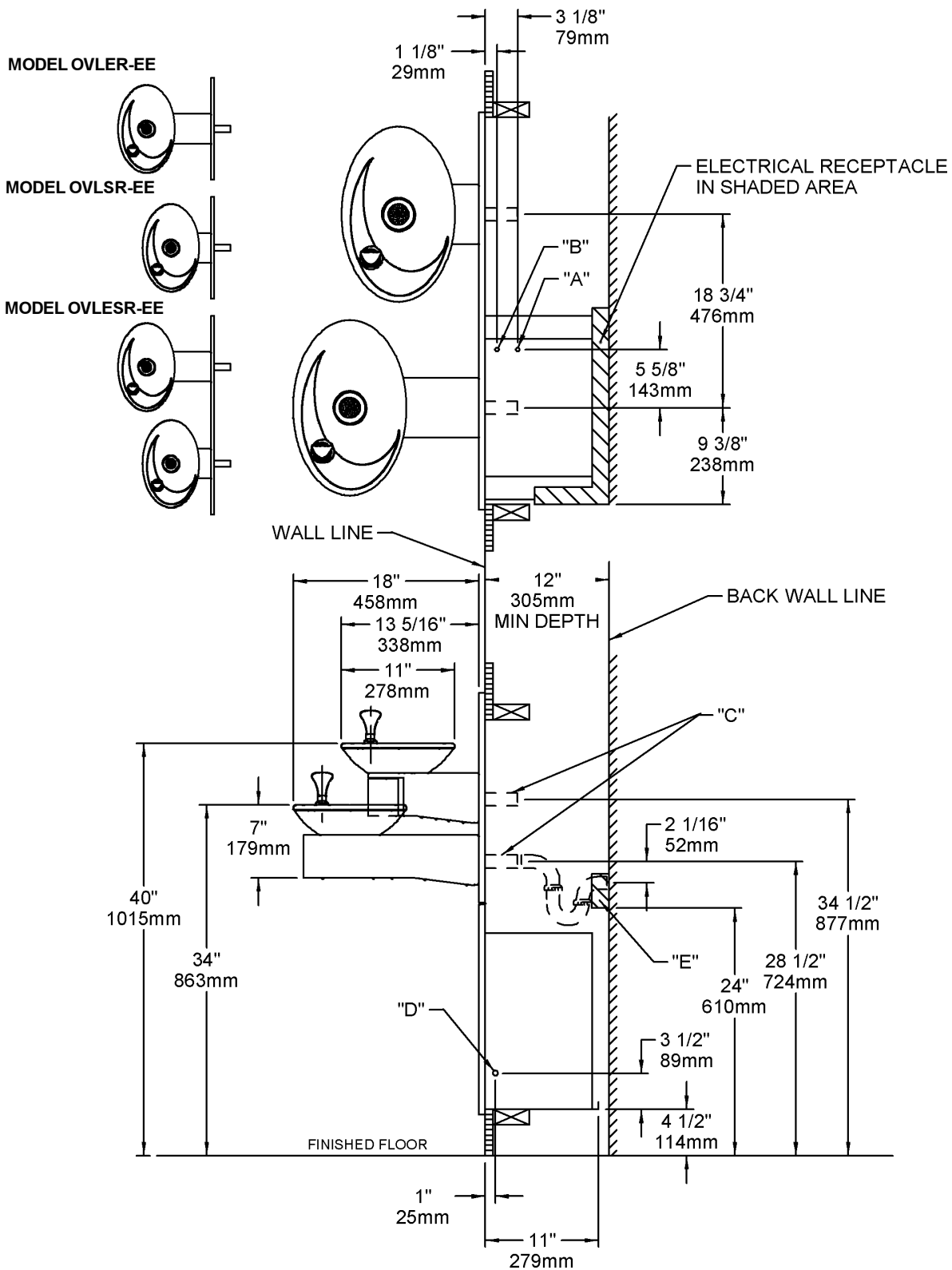
ALL SERVICE TO BE PERFORMED BY AN AUTHORIZED SERVICE PERSON

### 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.



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

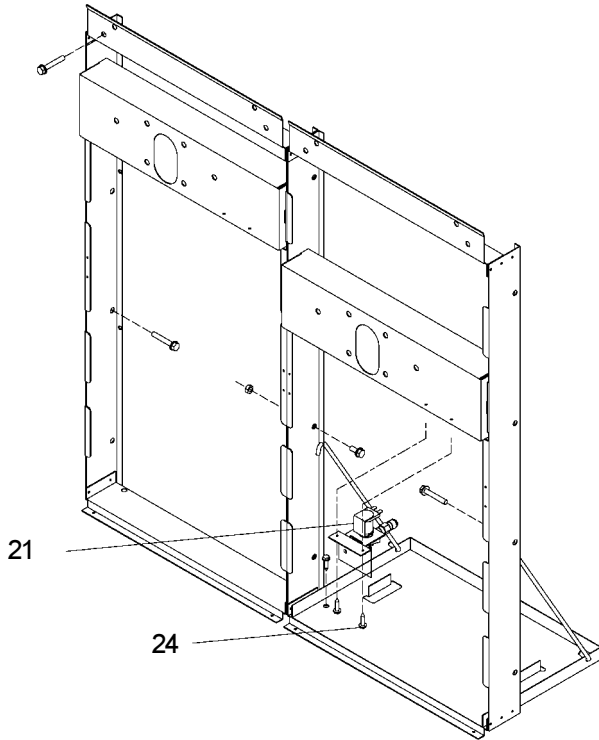
1. Install mounting frame. See mounting frame instructions.
2. These products are designed to operate on 20-105 PSIG supply line pressure. If inlet pressure is above 105 PSIG, a pressure regulator must be installed in the supply line. Any damage caused by reason of connecting these products to supply 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.

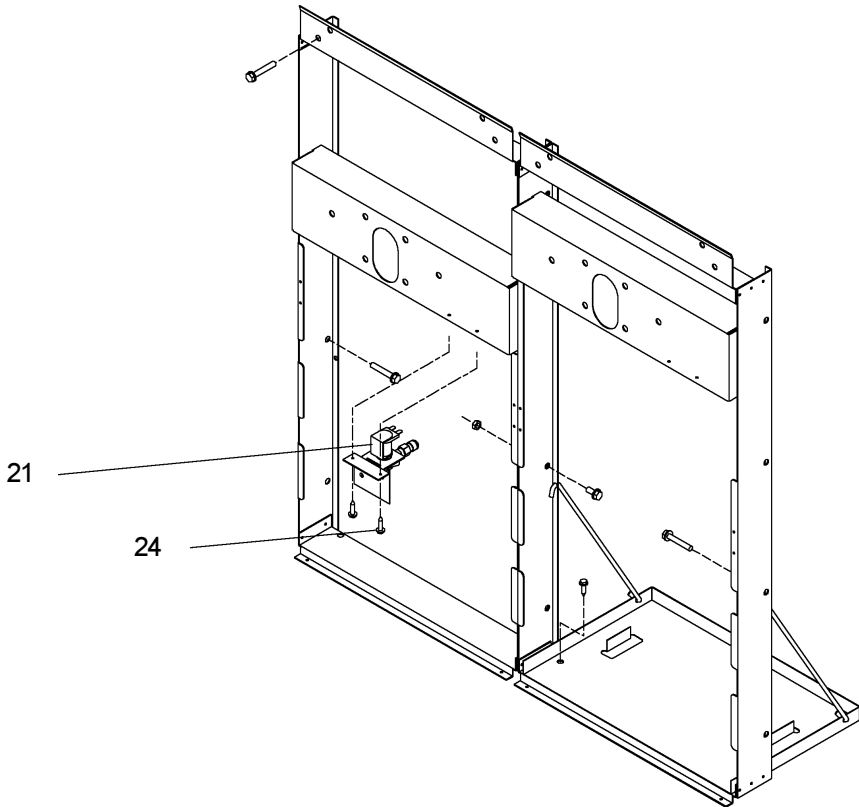
**OVLSER-EE:** Make connection between remote chiller and solenoid valve assy. Install the 3/8" tee (provided) on the chiller outlet tube. Insert end of 3/8" O.D. tube (provided) into outlet of the 3/8" tee and the other end into the 3/8" x 1/4" union. Next insert end of 1/4" O.D. tube (provided) into 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

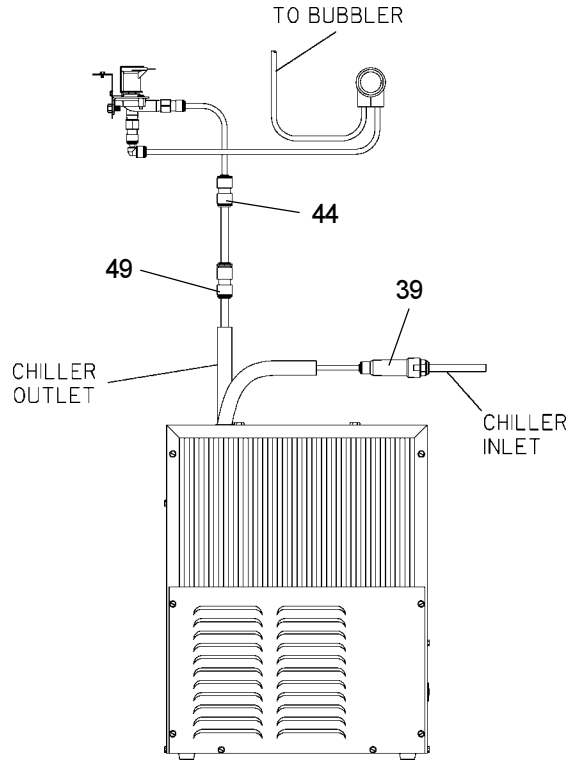


FIG. 5

### OVLSER-EE & OVLESR-EE TUBE ROUTING

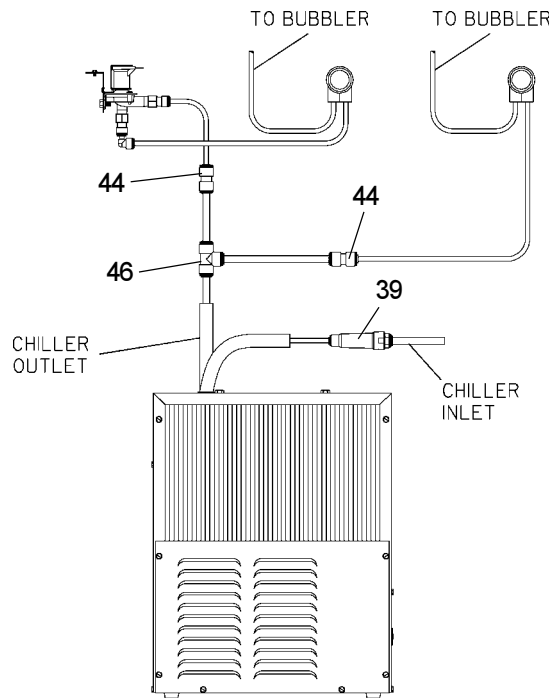


FIG. 6

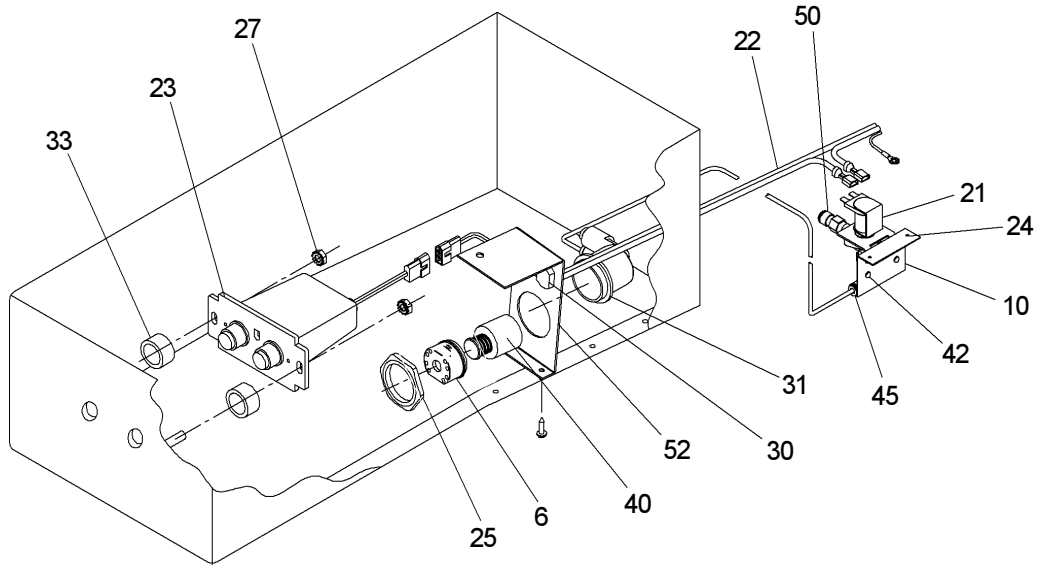


FIG. 7

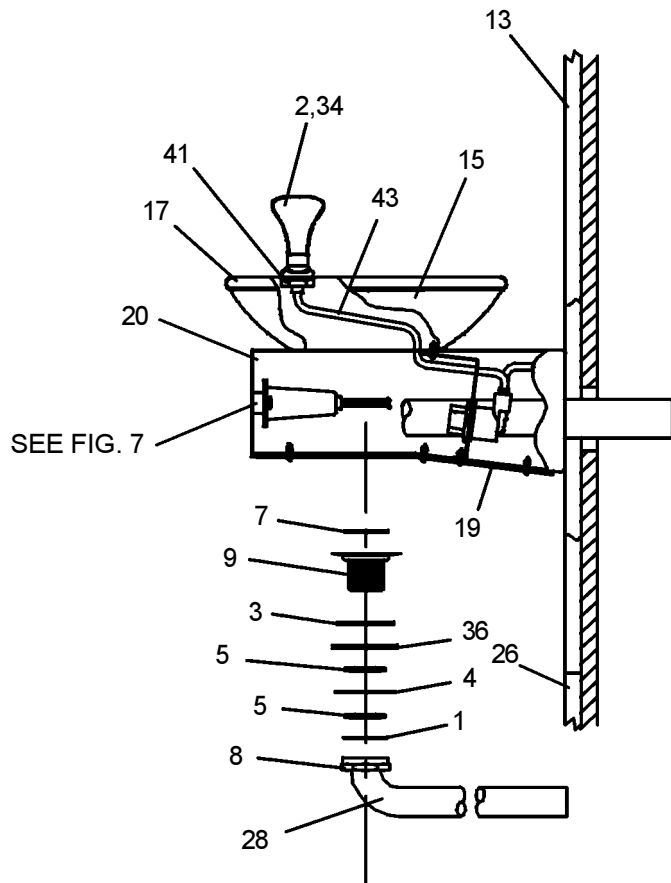


FIG. 8

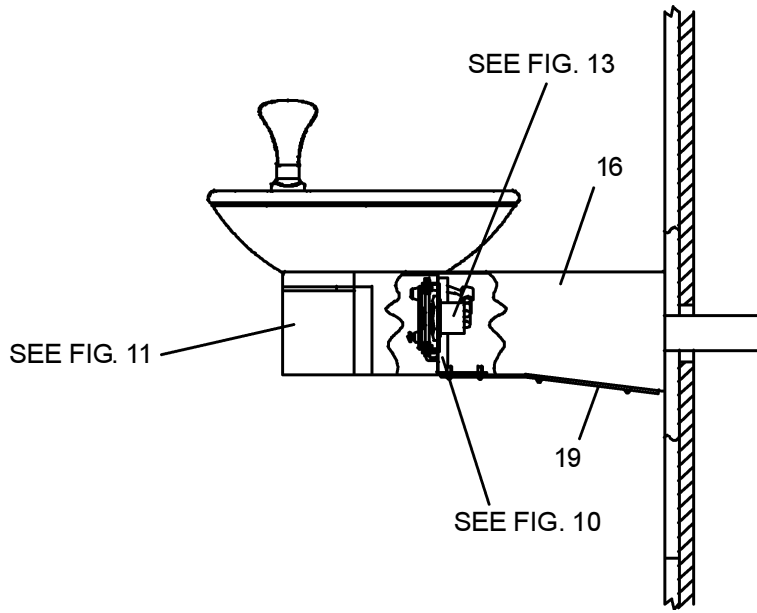


FIG. 9

**REGULATOR MOUNTING MECHANISM**

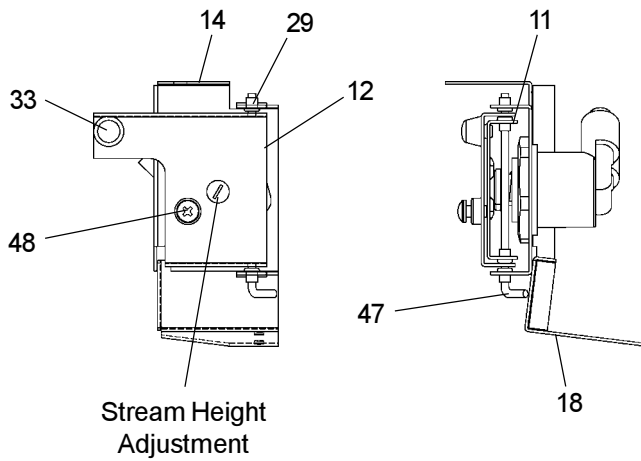


FIG. 10

**PUSH BAR MECHANISM**

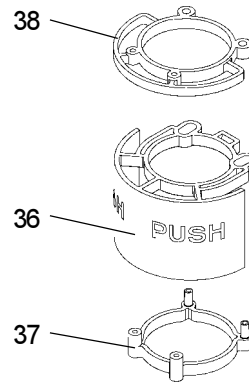


FIG. 11

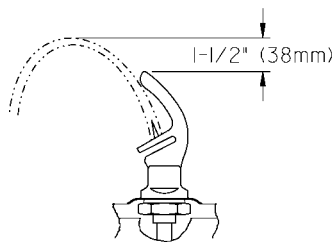


FIG. 12

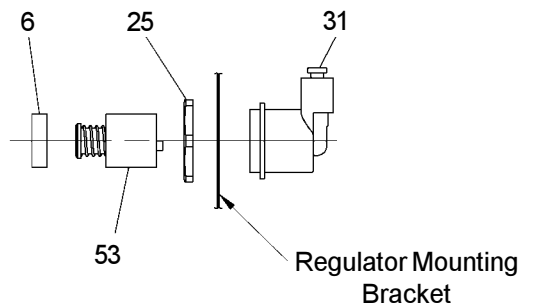


FIG. 13

**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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