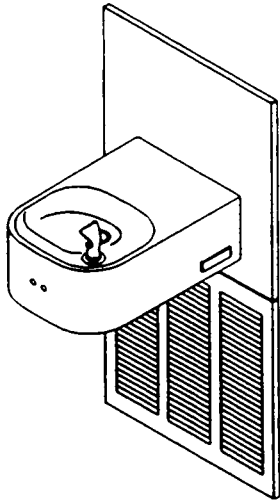


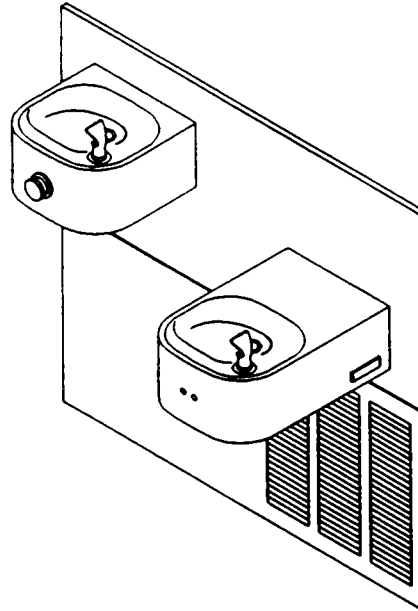
# Halsey Taylor Owners Manual

Models: HRF-EREE/SEREE

*Electric Eye Refrigerated Fountains*



HRF-EREE



HRF-SEREE

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## Installer

These series fountains are among the easiest to install fountains on the market today. 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

# MOUNTING FRAME INSTRUCTIONS

ACTUAL FRAME MAY VARY FROM THE ONE ILLUSTRATED. REFER TO YOUR MODEL FOR ADDITIONAL INFORMATION.

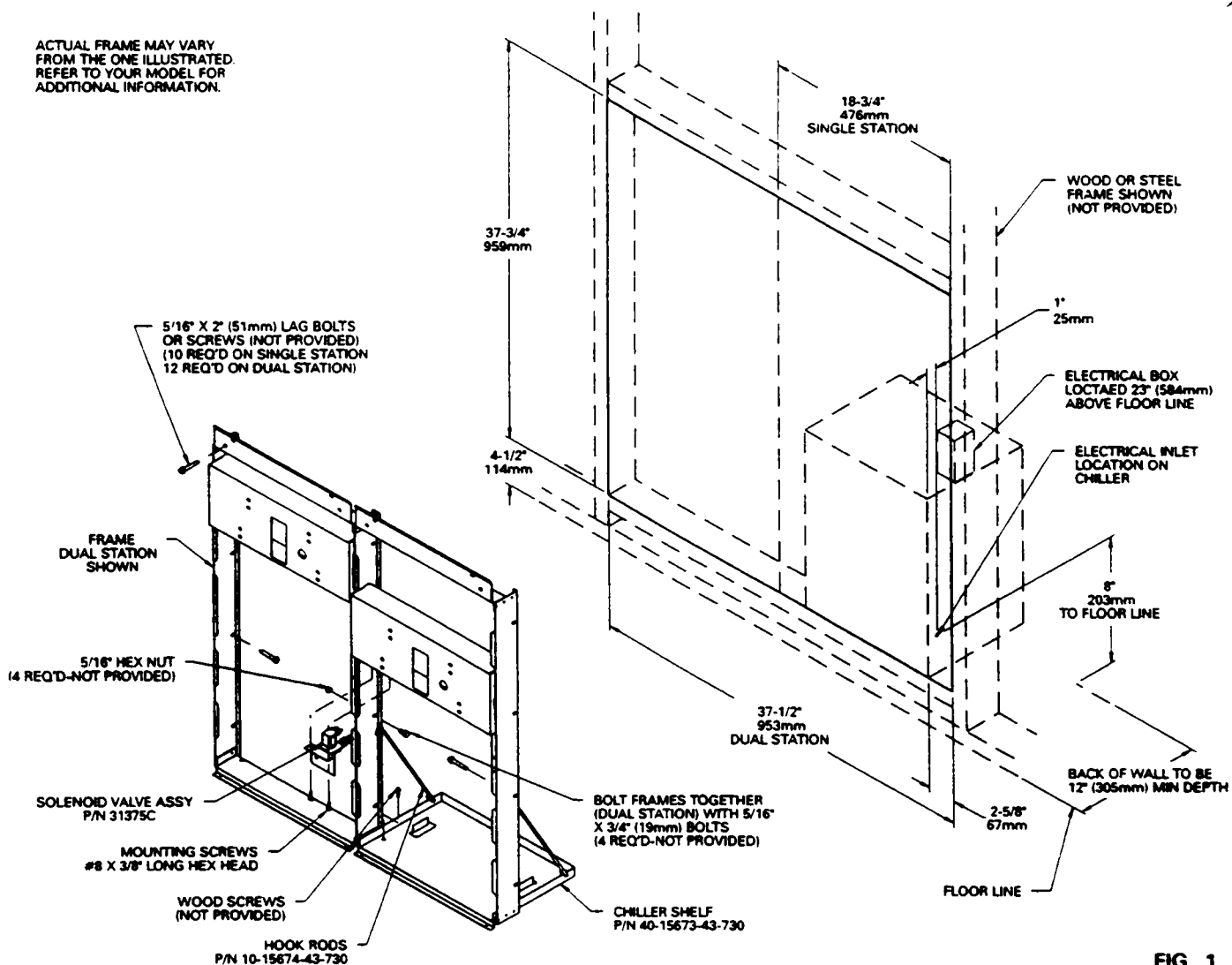


FIG. 1

1. Cut a square rectangular wall opening above the floor line. (See Fig.1.) Single fountain requires an opening 18-3/4" (476mm) wide x 37-3/4" (959mm) high and 4-1/2" (114mm) above the floor line. Dual fountain opening is the same except the width needs to be 37-1/2" (953mm). These dimensions are required to obtain proper rim and bubbler heights for compliance with ANSI standard A117.1 and ADA. (See Fig.2)
2. Reinforce the wall opening on all sides so that it will adequately support the frame water fountain. This reinforcement must support up to 150 lbs static load and provide a means for securing the frame assembly in place.  
**NOTE:** Building construction must allow for adequate air flow on both sides and top of remote chiller unit. Minimum of 4" (102mm) is required. (See Fig.1)
3. Install plumbing and electrical rough-ins. See Figure 2 for location of the supply water inlet to chiller and for the location of the waste water outlet. A junction box for a (3) wire, 10 amp branch circuit is provided on the inside of the chiller. (Standard 120 Volts, 60 Hz and single phase) See Figure 2 for the electrical inlet location.
4. Remove frame assembly and related hardware from packaging. On dual fountains the two frames must be fastened together thru the upright supports with (4) 5/16" x 3/4" (19mm) long bolts and nuts (not provided). Tighten securely.  
**NOTE:** Frame with higher upper channel to be on left side. (See Fig.1)
5. Install the frame assembly squarely in wall opening with frame upright support edges flush with the finished wall face. Secure the frame to the wall thru holes with 5/16" x 2" (51mm) long lag bolts or screws (not provided). Tighten securely.  
**NOTE:** Be sure that frame is squared in location. Do not use less than required screw quantity and size.
6. Attach the chiller shelf support rods to the right side frame uprights at the second set of holes counting from the bottom and to the shelf at the (2) side holes. Line up the other shelf holes with the frame bottom holes and fasten the assembly to the wall using appropriately sized wood screws or bolts and nuts (not provided). (See Fig.1)

# ROUGH-IN

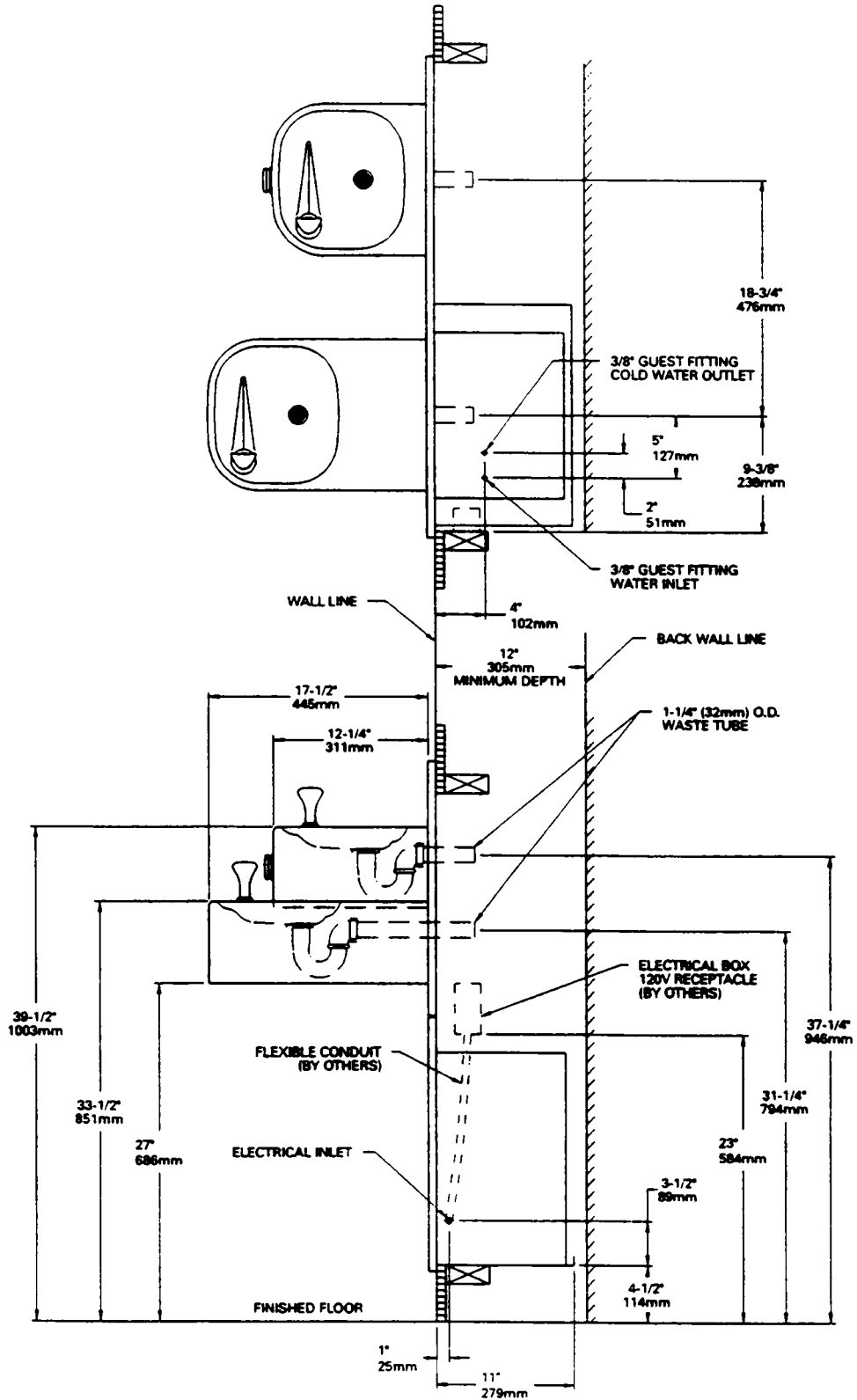


FIG. 2

## INSTALLATION INSTRUCTIONS

- 1. 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.
- 2. Attach solenoid valve assy to the mounting box** as shown in Fig.1.
- 3. 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.
- 4. Make connection between remote chiller and building supply line.** Remove the 3/8" x 1/4" union from the chiller inlet tube and either install it on the chiller outlet tube of single fountain units or on the water inlet line of the upper fountain of dual fountain units. Install the Y-strainer on the chiller inlet tube. Install a 3/8" O.D 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 Y-strainer by pushing it in until it reaches a positive stop, approximately 3/4" (19mm). See Fig. 5.
- 5. Make connection between remote chiller and solenoid valve assy.**  
**Single Fountain Units (See Fig.3)** - Insert end of 1/4" O.D. formed tube (provided) into union on chiller outlet and the other end into straight fitting on solenoid valve assy.  
**On Dual Fountain Units (See Fig.4)** - install the 3/8" tee (provided) on the chiller outlet tube. Install the 3/8" stem x 1/4" O.D. tube union (provided) into 3/8" tee as shown. Install 1/4" formed tube (provided) between 3/8" stem x 1/4" O.D. tube union and the straight fitting on solenoid valve assy.
- 6. 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.
- 7. Install fountain (fountains).** Remove access cover plate(s) on underside of fountain(s) and save the screws. Mount the fountain(s) to the upper panel and the wall frame with 5/16" x 3/4" (19mm) long bolts and nuts (provided). Tighten securely.
- 8. Connect solenoid valve assy and regulator holder in fountain with sensor** by installing 1/4" O.D. x 24" straight tube (provided). On dual station units the fountain with the push button is to be connected to the chiller by installing the 3/8" O.D. x 30" tube (provided). Insert one end into remaining outlet of the 3/8" tee and the other end into the 3/8" x 1/4" union on water inlet line of fountain.
- 9. 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.
- 10. Connect power cord of sensor to solenoid valve** by running it thru the back panel and connecting it as shown in Fig. 10. Connectors may be connected to either terminal on solenoid valve. Attach ground wire to solenoid valve bracket with green ground screw.
- 11. 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 refill. Check for leaks.

- 12. 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.
- 13. Make electrical connections to chiller.** See chiller instructions.
- 14. Check stream height from bubbler.** Stream height is factory set at 45-50 PSI . If supply pressure varies greatly from this, remove items 9 & 19 and adjust the screw on the regulator (item 8). Clockwise adjustment will raise stream height and counter-clockwise will lower stream height. For best adjustment stream height should be approximately 1-1/2" (38mm) above the bubbler guard. (See Fig.7)
- 15. 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.
- 16. Replace bottom access panel to fountain basin** using screws provided. Tighten securely.

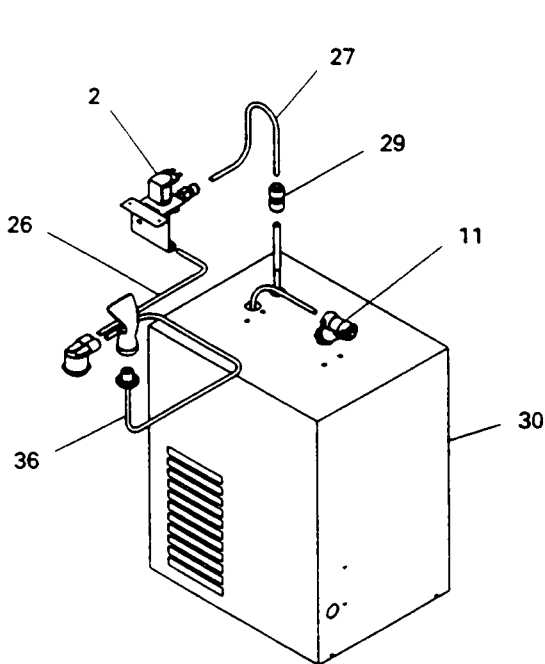


FIG. 3  
(SEE PARTS LIST ON PAGE 6)

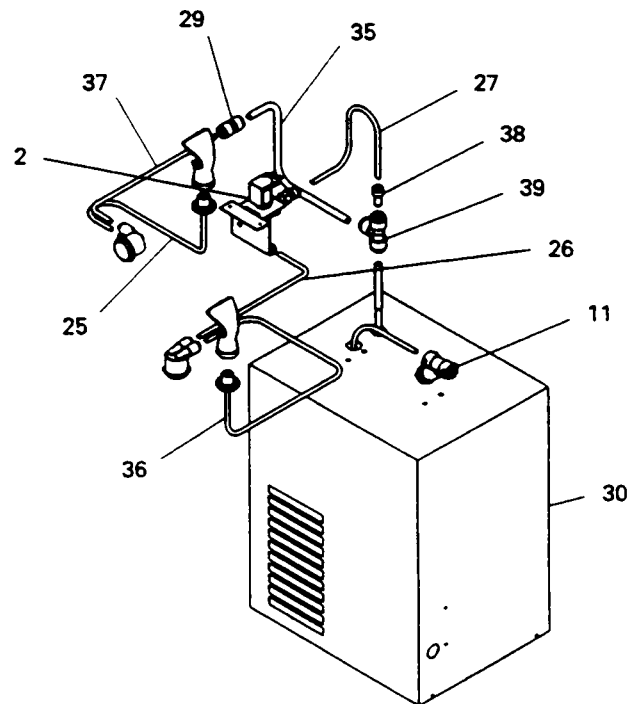
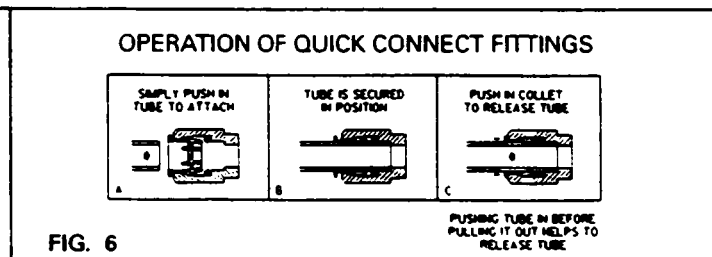
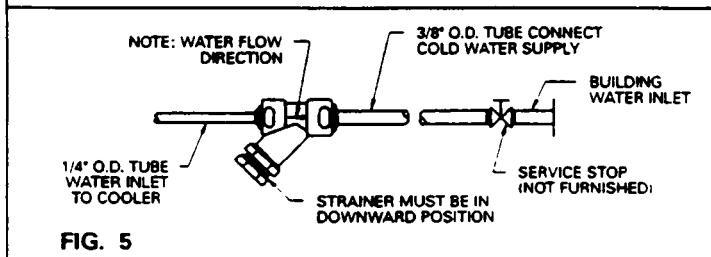
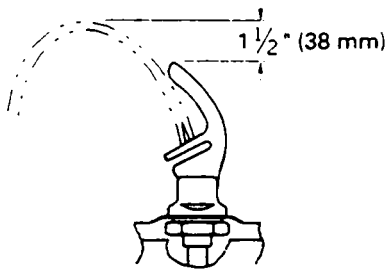


FIG. 4  
(SEE PARTS LIST ON PAGE 6)

## PARTS LIST

ITEM NO.	PART NO.	DESCRIPTION
1	LK464	Drain
2	31375C	Solenoid Valve Assy
3	10031C	Retaining Nut
4	31376C	Power Cord
5	31384C	Sensor Assy
6	50985C	Regulator Holder
7	51544C	Bubbler
8	61313C	Regulator
9	40116C	Cover Nut
10	70426C	Screw #8-32 x .25"
11	70788C	Y-Strainer (See Fig.5)
12	27086C	Fountain Arm-Long
13	5500604	Fountain Arm-Short
14	5500660	Bottom Cover Plate-Short
15	5500661	Bottom Cover Plate-Long
16	26837C	Back Panel-Single Fountain
	26839C	Back Panel-Dual Fountain
17	40045C	Hex Nut
18	70059C	Speed Nut
19	22525C	Bracket-Regulator Mounting
20	26833C	Lower Panel-Single Fountain
	27026C	Lower Panel-Dual Fountain
21	70254C	Clip
22	40617000	Nut #10-32
23	34783003	Star Washer
24	51409C	Spacer
25	66394C	Tube-Reg. to Bubbler
26	62183C	Tube-Cu 1/4" x 24.00"
27	66406C	Tube-Chiller to Solenoid
28	70208C	Screw #10-24 x.37" PHTC
29	70745C	Union 3/8 X 1/4
30	721408007304	Chiller Package
31	45662C	Push Button
32	45663C	Push Button Sleeve
33	70022C	Setscrew #6-32 x .31"
34	27057C	Bracket-Regulator Mounting
35	66401C	Tube-Cu 3/8" x 30.00"
36	66419C	Tube-Reg. to Bubbler
37	62095C	Tube-Water Inlet
38	75491C	Union 3/8 Stem x 1/4 Tube
39	70852C	Tee-3/8
40	40038C	Strainer-Beehive
41	40619C	Ferrule-Tailpipe
42	27240C	Bracket-Sensor Support





CORRECT STREAM HEIGHT

FIG. 7

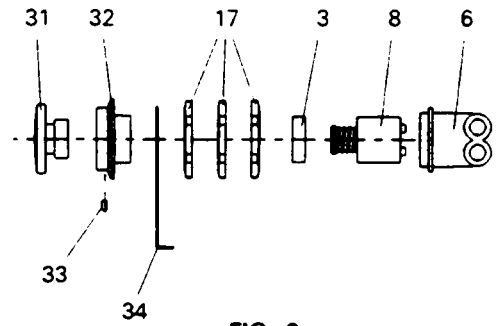


FIG. 8

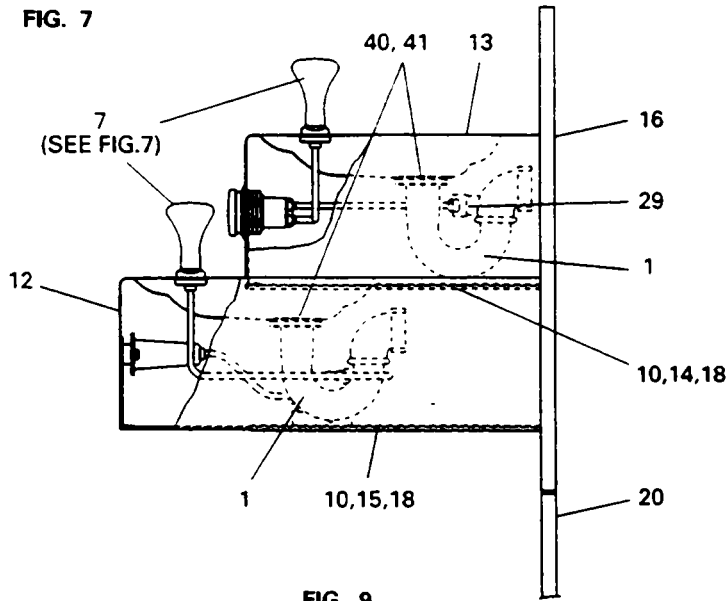


FIG. 9

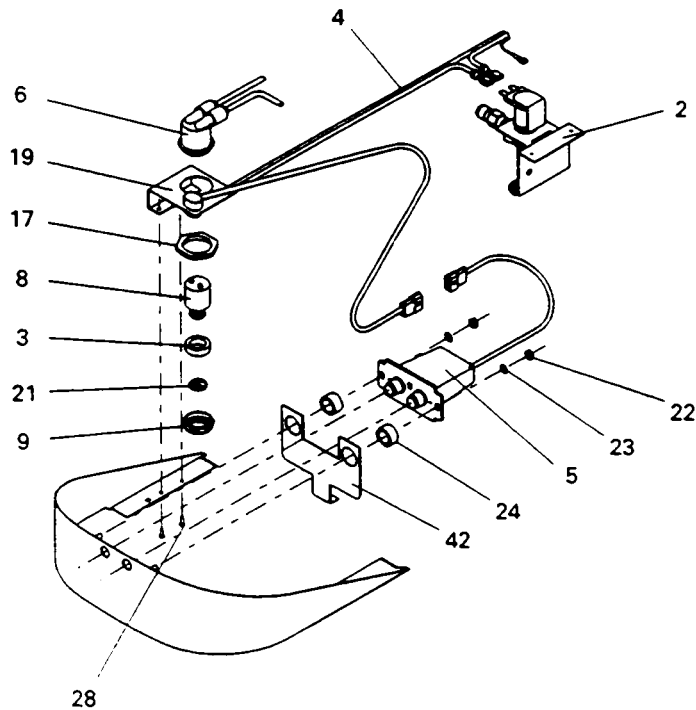


FIG. 10

## TROUBLE SHOOTING & MAINTENANCE

1. **Orifice Assy:** Mineral deposits on orifice can cause water flow to spurt or not regulate. Mineral deposits may be removed from orifice with a small round file not over 1/8" dia. or small diameter wire.  
**CAUTION:** Do not file or cut orifice materials.
2. **Stream Regulator:** If orifice is free of material deposits, regulate flow as in instruction on page 4.
3. **Actuation of Quick Connect Water Fittings:** Cooler 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.6). To insert tubing, push tube straight into the fitting until it reaches a positive stop, approximately 3/4".
4. **Sensor Control:** The sensor has a 2 second delay time. If sensor fails to operate valve mechanism or operates erratically, check the following:
  - a. Ensure there are no obstructions within a 40 inch radius from the front of fountain.
  - b. Check wire connections at the solenoid valve and at the sensor.  
**CAUTION:** Make sure unit is unplugged before checking any wiring.
  - c. Ensure proper operation of solenoid valve. If there is an audible clicking sound yet no water flows, look for an obstruction in the valve itself or elsewhere in the water supply line.  
**WARNING:** Do not expose sensor to direct sunlight.
5. **Sensor Range Adjustment:** The electronic sensor used in this fountain is factory pre-set for a "visual" range of 36 inches. If actual range varies greatly from this, or a different setting is desired, follow the range adjustment procedure below:
  - a. Remove bottom cover of fountain
  - b. Remove sensor by removing washers and nuts that secure sensor on studs.
  - c. Locate range adjustment screw between the red lenses of the sensor, then, with a small tip screwdriver, rotate the range adjusting screw clockwise to increase range or counter-clockwise to decrease range. 1/4 turn of screw is equal to approximately 12-18 inches of range.  
**CAUTION:** Complete range of sensor (24 to 48 inches) is only one turn of the adjusting screw.
  - d. Re-mount sensor on studs and replace bottom cover.

**Halsey Taylor** ©

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