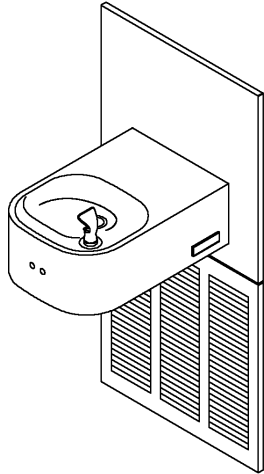
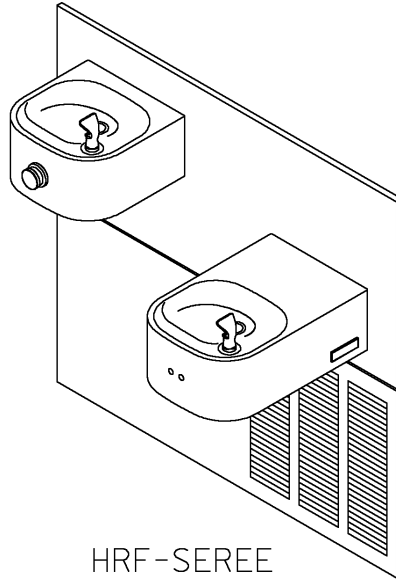


# Halsey Taylor Owners Manual

## Electric Eye Refrigerated Fountain



HRF-EREE



HRF-SEREE

### 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.

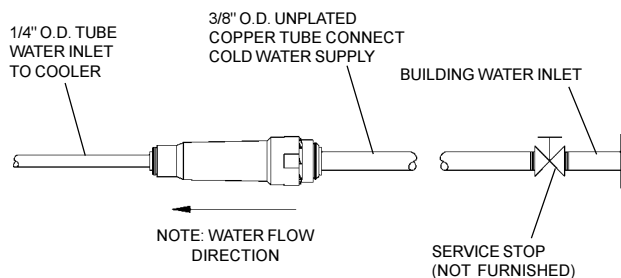


FIG. 1

### OPERATION OF QUICK CONNECT FITTINGS

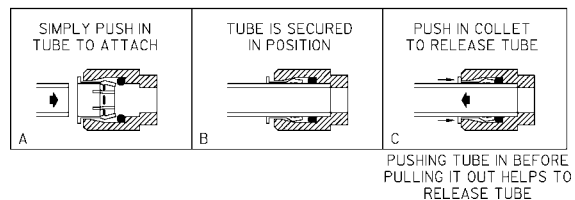


FIG. 2

INSTALLATION INSTRUCTIONS

1. Install mounting frame. See mounting frame instructions.
2. 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.
3. Attach solenoid valve assy to the underside of cross member of mounting frame, on dual station fountain soleniod valve assy mounts to frame with chiller. See Fig 3.
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. 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 strainer 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 Fig. 4. **DO NOT SOLDER TUBES INSERTED INTO THE STRAINER AS DAMAGE TO THE O-RINGS MAY RESULT.**
6. Make connection between remote chiller and solenoid valve assy. Single Fountain Units (See Fig.4) - 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.5) 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.
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 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.
9. 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.
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 thru 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. 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.
13. 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.
14. Make electrical connections to chiller. See chiller instructions.
15. Check stream height from bubbler. Stream height is factory set at 45-50 PSI . If supply pressure varies greatly from this, remove items 9 & 21 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 9)
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 access panel to fountain basin using screws provided. Tighten securely.

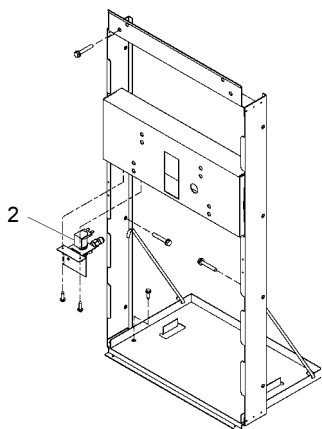


FIG. 3

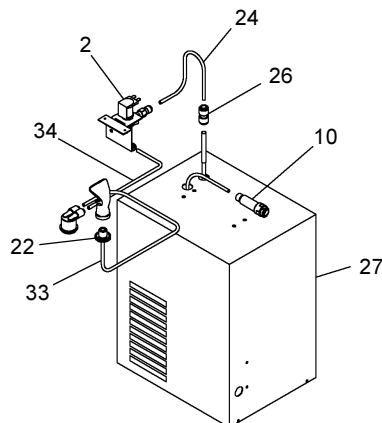


FIG. 4

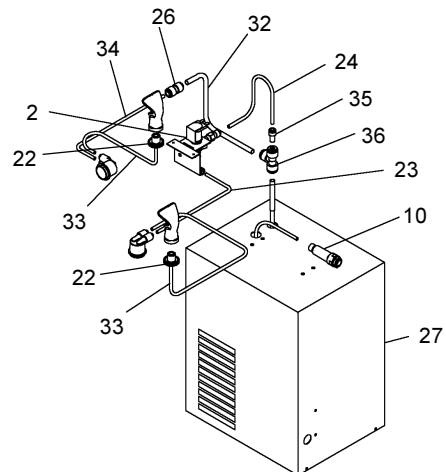


FIG. 5

HRF - EREE\*B HRF - SEREE\*B

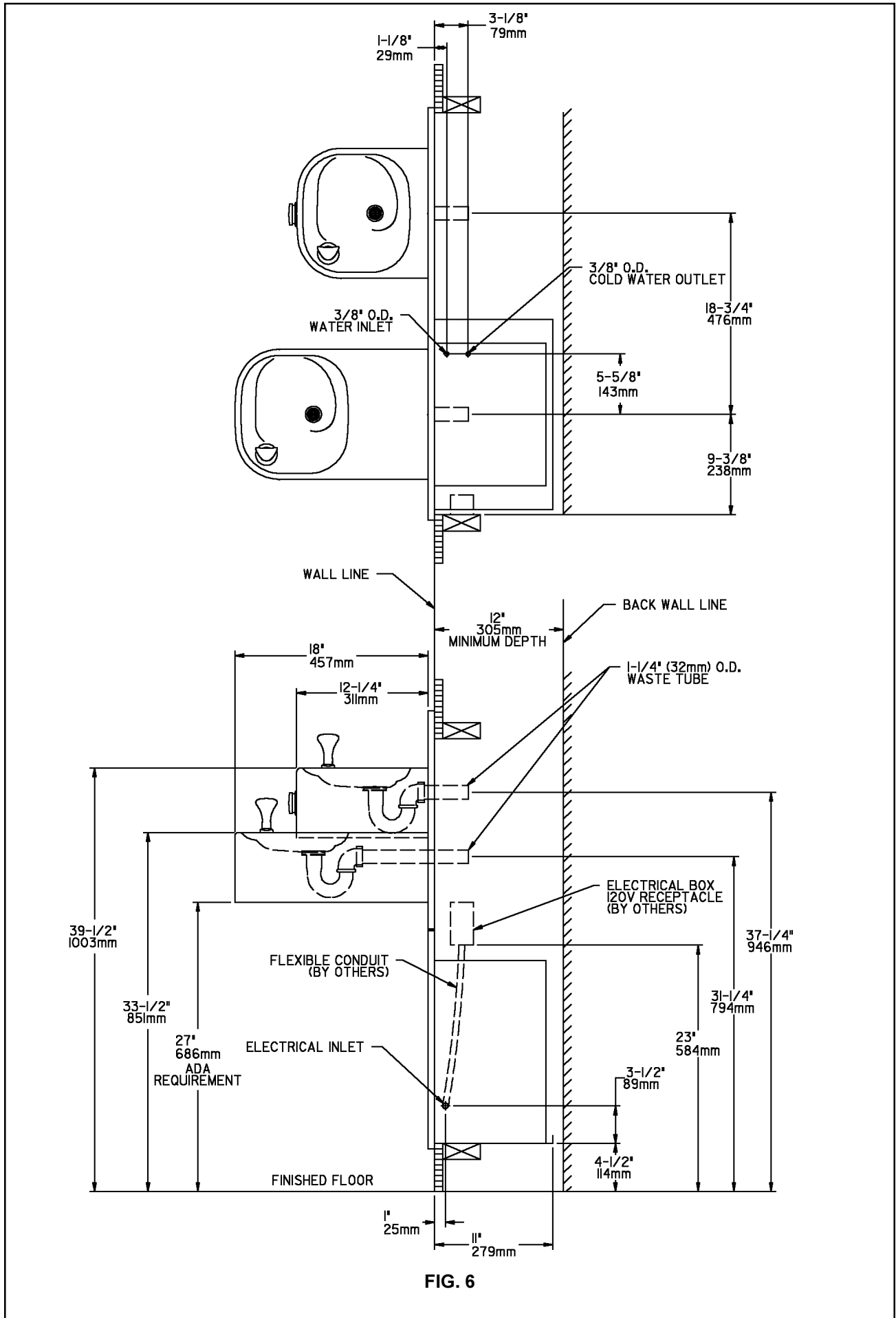


FIG. 6

# HRF - EREE\*B HRF - SEREE\*B

PARTS LIST		
ITEM NO.	PART NO.	DESCRIPTION
1	LK464	Drain
2	31375C	Solenoid Valve Assy
3	15005C	Retaining Nut
4	31376C	Power Cord
5	31384C	Sensor - Clear
6	50986C	Regulator Holder
7	51544C	Bubbler
8	61313C	Regulator
9	112627543890	Screw - #10 - 24 X .50 PHTC
10	55996C	Strainer (See Fig.1)
11	27624C	Fountain Arm-Long
12	55000604	Fountain Arm-Short
13	55000661	Bottom Cover Plate-Short
14	55000665	Bottom Cover Plate-Long
15	26837C	Back Panel-Single Fountain
	26839C	Back Panel-Dual Fountain
16	40045C	Hex Nut
17	22525C	Bracket-Regulator Mounting
18	26833C	Lower Panel-Single Fountain
	27026C	Lower Panel-Dual Fountain
19	56082C	Nut-Regulator
20	70016C	Nut-Hex #10-32
21	51409C	Spacer
22	56159C	Assy-Bubbler Nipple
23	27240C	Bracket-Sensor Support
24	66406C	Tube-Chiller to Solenoid
25	70208C	Screw #10-24 x.37" PHTC
26	70745C	Union 3/8 X 1/4
27	8214080073	Chiller Package
28	45662C	Push Button
29	45663C	Push Button Sleeve
30	70022C	Setscrew #6-32 x .31"
31	27057C	Bracket-Regulator Mounting
32	66401C	Tube-Cu 3/8" x 30.00"
33	56092C	Poly Tubing (Cut To Length)
34	62095C	Tube-Water Inlet
35	75491C	Union 3/8 Stem x 1/4 Tube
36	70852C	Tee-3/8
37	40038C	Strainer-Beehive
38	40619C	Ferrule-Tailpipe
39	70023C	Setscrew #6-32 x .12"

## TROUBLE SHOOTING & MAINTENANCE

- 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.
- Stream Regulator:** If orifice is free of material deposits, regulate flow as in instruction on page 2.
- 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.1). To insert tubing, push tube straight into the fitting until it reaches a positive stop, approximately 3/4".
- Sensor Control:** The sensor has a 2 second delay time. If sensor fails to operate valve mechanism or operates erratically, check the following:
  - Ensure there are no obstructions within a 40 inch radius from the front of fountain.
  - Check wire connections at the solenoid valve and at the sensor.  
**CAUTION:** Make sure unit is unplugged before checking any wiring.
  - 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.
- 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:
  - Remove bottom cover of fountain
  - Remove sensor by removing washers and nuts that secure sensor on studs.
  - 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 46 inches) is only one turn of the adjusting screw.
  - Re-mount sensor on studs and replace bottom cover.

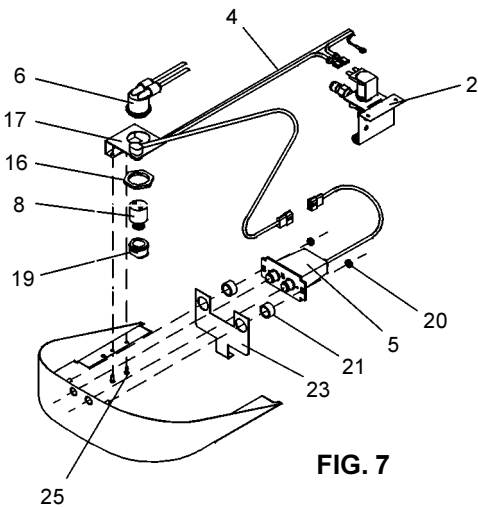


FIG. 7

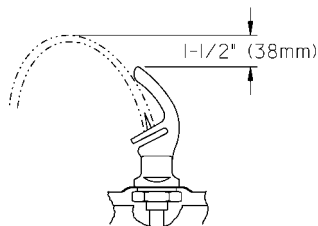


FIG. 9

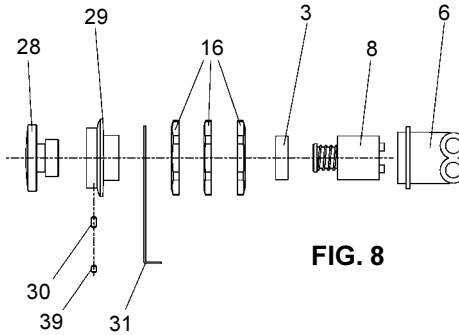


FIG. 8

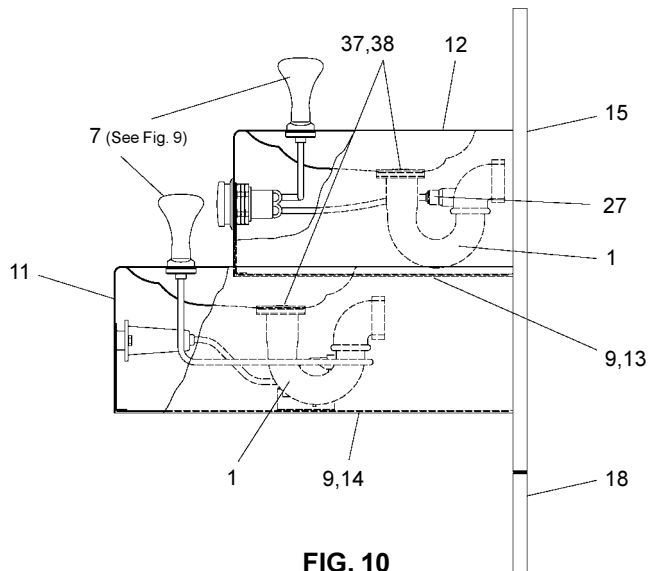


FIG. 10

**Halsey Taylor**

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