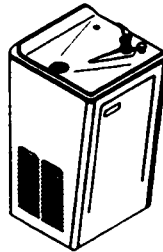


Halsey Taylor Owners Manual

WM16W-Q

(USES HFC 134A REFRIGERANT)

GLASS FILLER COMPATIBLE: See CAUTIONS in item 6 below.



Installer

The WM series coolers are among the easiest to install Wall Mount Models 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 cooler for future reference.

IMPORTANT

ALL SERVICE TO BE PERFORMED BY AN AUTHORIZED SERVICE PERSON

1. Insure proper ventilation by maintaining 4" (min.) clearance from cabinet louvers to wall on each side of cooler.
2. Water supply 3/8" O.D. Waste 1-1/4" O.D. Contractor to supply waste trap and service stop valve in accordance with local codes.
3. Connecting lines should be thoroughly flushed to remove all foreign matter before being connected to cooler. This cooler is manufactured in such a manner that it does not in any way cause taste, odor, color or sediment problems. If a taste, odor or sediment problem is prevalent, try installing our water filter module, Part No. 73-15242-51-550, on the supply line.
4. Connect 3/8" O.D. water line from cooler to the service (See Fig. 1). NOTE: "Y-Strainer not used on units with filter. Simply insert 3/8" water line into fitting on filter head until a positive stop-approx. 3/4".
5. Electrical: Insure power supply is identical in voltage, cycle and phase to that specified on the cooler data plate. NEVER wire compressor directly to the power supply.
6. Halsey Taylor has glass fillers and glass filler plumbing kits specifically designed for use in your water cooler. Check local listings for a Halsey Taylor dealer near you.

WARNING: Warranty is voided if:

- The plumbing kit or glass filler is not specified for use by Halsey Taylor for this particular model.
 - Installation is not made in accordance with current Halsey Taylor instructions.
7. These products are designed to operate on 20 to 105 psig supply line pressure. If inlet pressure is above 105 psig, a pressure regulator must be installed in supply line. Any damage caused by reason of connecting this product to supply line pressure lower than 20 psig or higher than 105 psig is not covered by warranty.

START UP

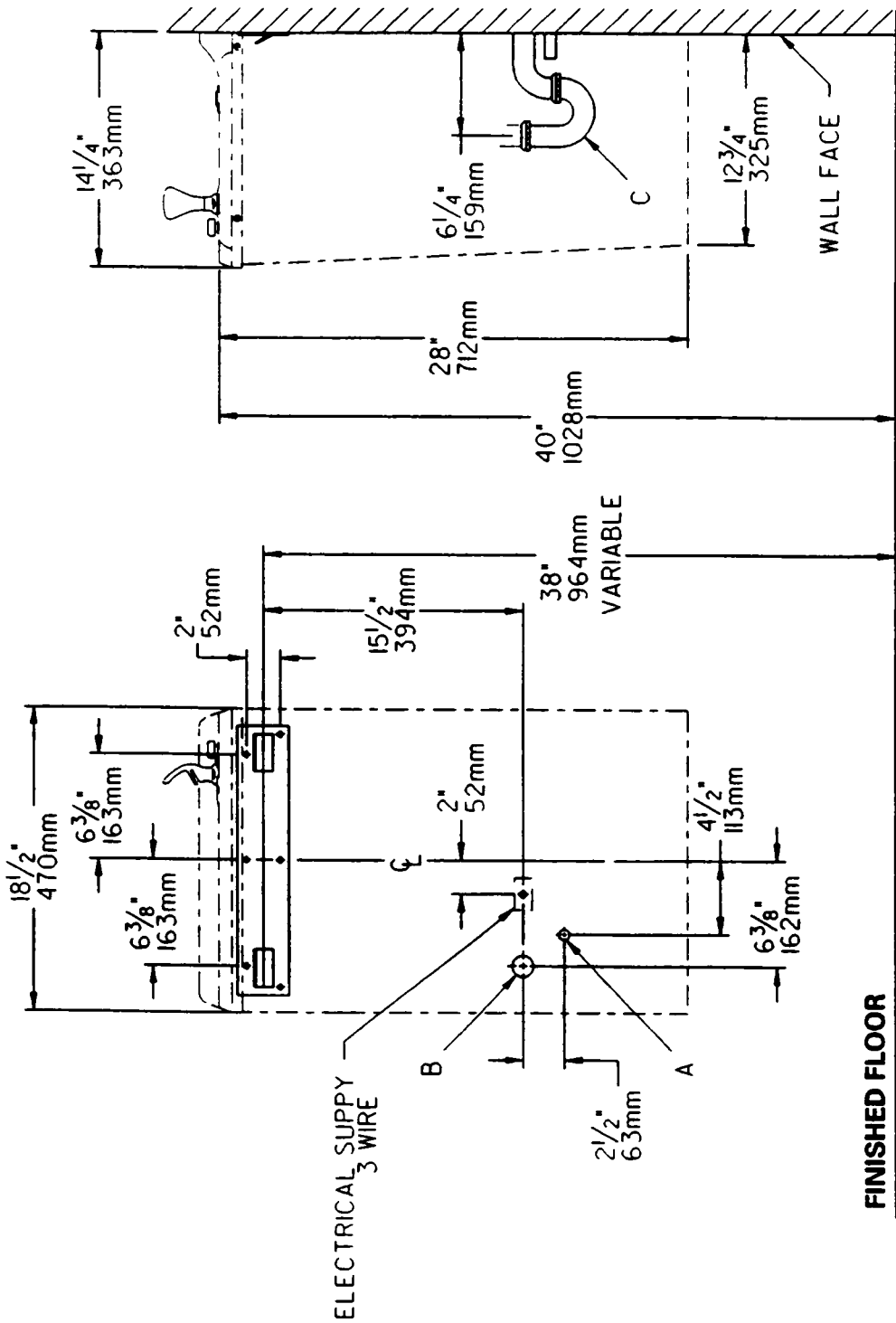
1. Turn on the building water supply and check all connections for leaks.
2. Depress push button until all air is bled from cooler water system. A steady stream flow assures all air is removed.
3. Stream height is factory set at 35 PSI. If supply pressure varies greatly from this, re-adjust stream height to approximately 1-1/2" above the bubbler guard by turning adjustment screw on regulator. (See push button valve adjustment - Figure 4).
4. Recheck all water and drain connections with water flowing through system.
5. Plug cooler power cord into building electrical receptacle.
6. Replace the front panel and secure by replacing the two (2) screws in the bottom of the front panel and tighten securely.

INSTALLER PLEASE NOTE: IMPORTANT!

This water cooler has been designed and built to provide water to the user which has not been altered by materials in the cooler water ways. The grounding of electrical equipment such as telephones, computers, etc. to water lines is a common procedure. This grounding may be in the building but may also occur away from the building. This grounding can cause electrical feedback to a water cooler creating an electrolysis which creates a metallic taste or causes an increase in the metal content of the water. This condition is avoidable by installing the cooler using the proper materials as noted below.

NOTICE

This water cooler must be connected to the water supply using a dielectric coupling - the cooler is furnished with a non-metallic "Y" strainer which meets this requirement.
The drain trap which is provided by the installer should also be plastic to completely isolate the cooler from the building plumbing system.

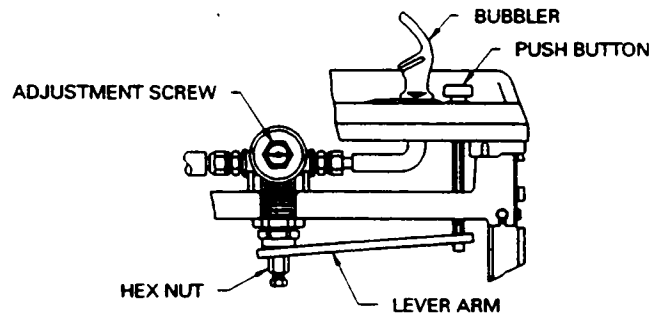
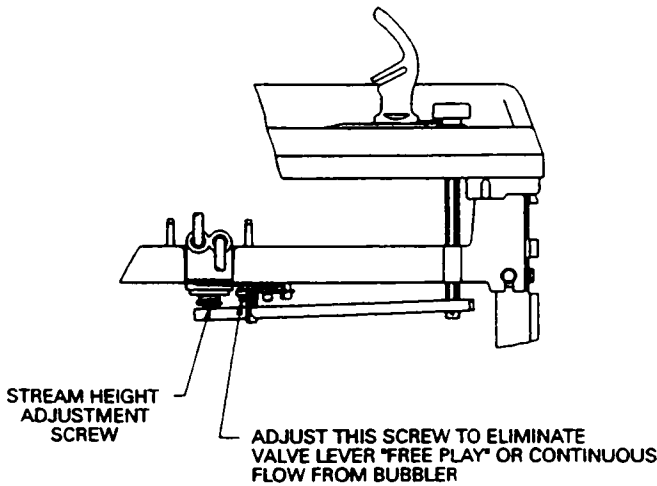


1" END:
 3/8" O.D. TUBE CONNECT SHUT OFF VALVE BY OTHER
 WATER OUTLET 1 1/4" O.D. DRAIN STUB OUT FROM WALL 1" (25mm)
 1/4" O.D. TAILPIECE (TRAP NOT FURNISHED)

FIG. 1

PUSH BUTTON VALVE ADJUSTMENT

THIS DETAIL IS FOR UNITS PRODUCED PRIOR TO SEPTEMBER 1994.



IF WATER TRICKLES FROM BUBBLER, TURN THE HEX NUT TO TIGHTEN THE LEVER ARM.
TO ADJUST THE STREAM HEIGHT, DEPRESS THE PUSH BUTTON AND THE ADJUSTMENT SCREW.

FIG. 4

HANGER BRACKET & TRAP INSTALLATION

- 1). Remove hanger brackets fastened to back of cooler by removing screws.
- 2). Mount hanger bracket and remove trap.
NOTE: Hanger Bracket **MUST** be supported securely. Add fixture support carrier if wall will not provide adequate support.

IMPORTANT:

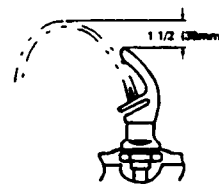
- 6 1/4 in. dimension from back of unit to centerline of trap must be maintained for proper fit.
- Anchor hanger securely to wall using all six (6) 1/4" dia. mounting holes.

- 3). Install 3/8" IPS. female x 3/8" compression straight service stop to building water inlet stub. (service stop not furnished)

INSTALLATION OF COOLER

- 4). Hang the cooler on the hanger bracket. Be certain the hanger bracket is engaged properly in the slots on the cooler back.
- 5). Remove the two (2) screws at the bottom of the front panel and set aside. Remove the front panel and set aside.
- 6). Remove the slip nut and gasket from trap and install them on the cooler waste line making sure that the end of the waste line fits into the trap. Assemble the slip nut and gasket to the trap and tighten securely.
- 7). Connect cooler to building supply line with a shut-off valve and install a 3/8" O.D. water line between the valve and the cooler.

NOTE: If required, the 1/4" O.D. water inlet line to cooler may be cut to a desired length. However, if water line is cut, all burrs must be removed from outside of tube before it is inserted into the Y-strainer.



CORRECT STREAM HEIGHT

FIG. 5

CONDENSER WATER VALVE ADJUSTMENT

The condenser water valve is factory preset for a condenser water outlet temperature of 95° to 100° F. If actual temperature varies greatly from this, readjust water flow rate at the valve using the following procedure:

1. START UP COMPRESSOR

This can be accomplished by depressing the cooler push button (see page 4 - item no.15). Keep water running during the entire readjustment procedure.

2. ADJUST CONDENSER WATER VALVE

Adjust valve by rotating adjustment stem (see Fig.6 below). Rotating stem clockwise will increase water flow. Counter-clockwise rotation will decrease water flow. Increasing water flow will result in a lower condenser outlet temperature, while decreasing water flow will result in a higher outlet temperature. Proper adjustment is attained when condenser outlet temperature is 95° to 100° F.

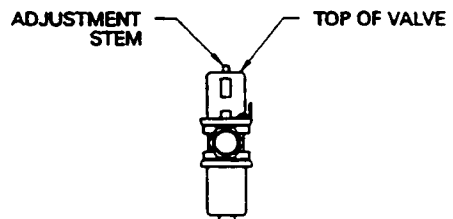


FIG. 6

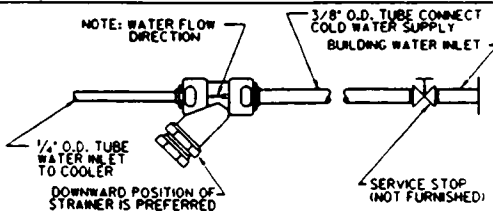
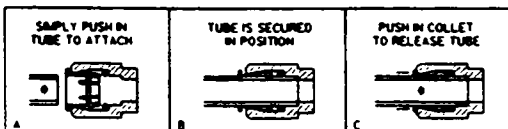


FIG. 2

OPERATION OF QUICK CONNECT FITTINGS

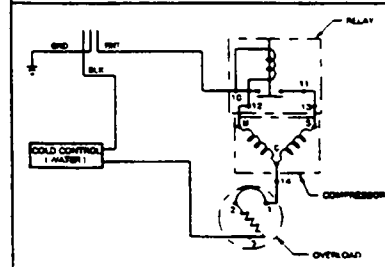


PUSHING TUBE IN BEFORE PULLING IT OUT HELPS TO RELEASE TUBE

FIG. 3

WIRING DIAGRAM

This drawing is merely for illustrating the components of the electrical system.



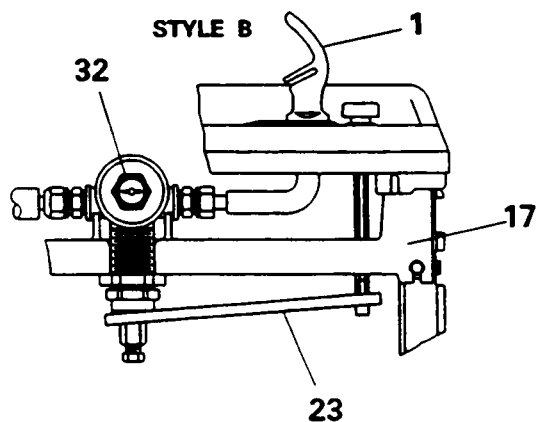
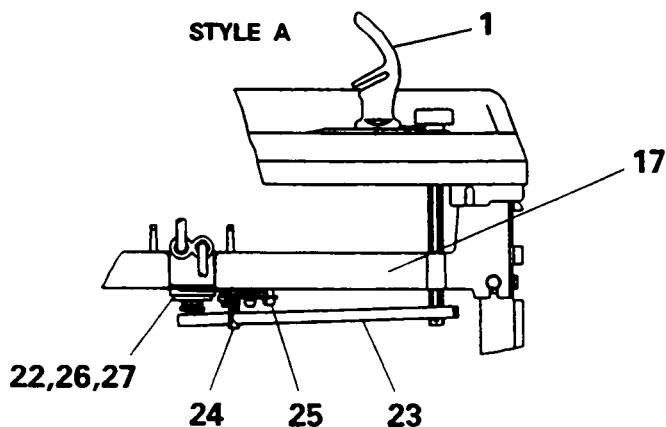
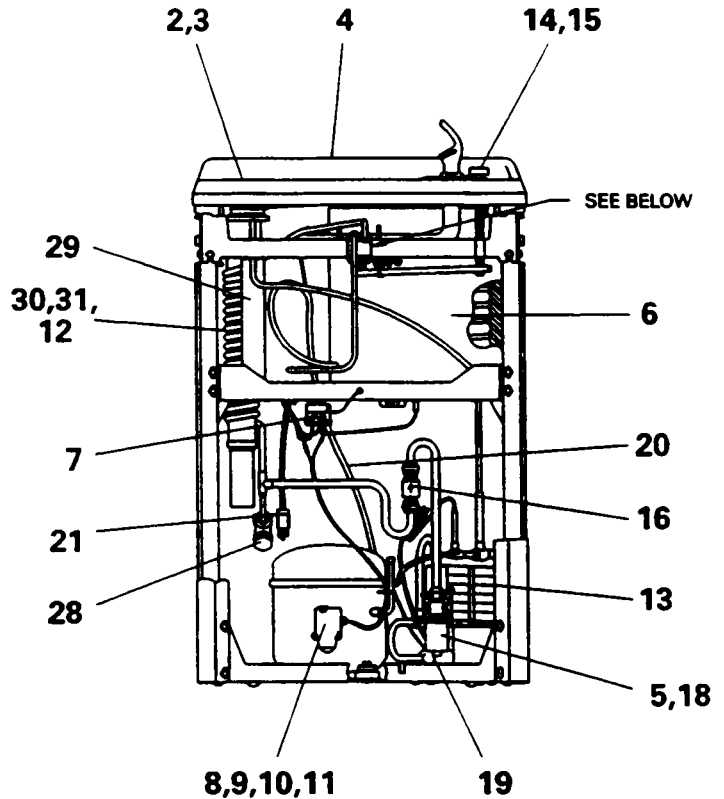
ITEMIZED PARTS LIST

ITEM NO.	PART NO.	DESCRIPTION
1	51544C	Bubbler (Style A)
	10-14228-31-640	Bubbler (Style B)
2	10-26399-31-640	Drain Plug
3	16-02705-08-640	Strainer Plate
4	17-14548-42-590	Receptor
5	70568C	Elbow 5/16 O.D. Tube x 3/8 NPT
6	66327C	Evaporator
7	35839C	Cold Control
8*	35762C	Compressor Serv. Pak
9	31027C	Overload/Relay Assy
10	19-42439-01-550	Electrical Shield
11	35766C	Relay Cover
12	45697C	Precooler (Style A) Includes 30 & 31
	60-26405-51-550	Precooler (Style B)
13	60-14181-51-550	Condenser
14	10-15434-31-640	Cap Push Button
15	10-15075-31-550	Push Button Stem
16	75494C	Check Valve
17	55860C	Regulator Bracket (Style A)
	10-14532-31-550	Valve Bracket (Style B)
18	40136C	Water Temperature Valve
19	66202C	Drier
20	66245C	Heat Exchanger
21	19-26679-51-550	Power Cord
22	10031C	Regulator Retaining Nut
23	26860C	Regulator Lever (Style A)
	40-26741-43-730	Valve Bracket (Style B)
24	26861C	Pivot Bracket
25	26862C	Regulator Retaining Bracket
26	50985C	Regulator Holder
27	61314C	Regulator
28	70788C	Y-strainer
29	40140C	Vacuum Break
30	55885C	Nut 1-1/4 Slip Joint
31	55913C	Adaptor-Drain
32	60-15903-51-550	Valve Assy (Style B)

*REPLACE WITH SAME COMPRESSOR USED IN ORIGINAL ASSEMBLY.
 NOTE: All correspondence pertaining to HALSEY TAYLOR water coolers or orders for repair parts MUST include Model No. and Serial No. of cooler, name, and part number of replacement part.

TROUBLE SHOOTING & 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:** To adjust stream height, see instruction no. 11 under "START UP" section on page 3.
- Temperature Control:** Factory set for 50°F water (± 5) under normal conditions. For colder water, adjust screw on item no.7 (see below). Do not force cold control screw against stops. Turn clockwise for colder water, counter-clockwise for warmer water.
- Condenser Water Valve:** Condenser water valve is set at factory for average operating conditions. See page 3 for condenser water valve adjustment.



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FOR PARTS, CONTACT YOUR LOCAL DISTRIBUTOR OR CALL 1.800.323.0620