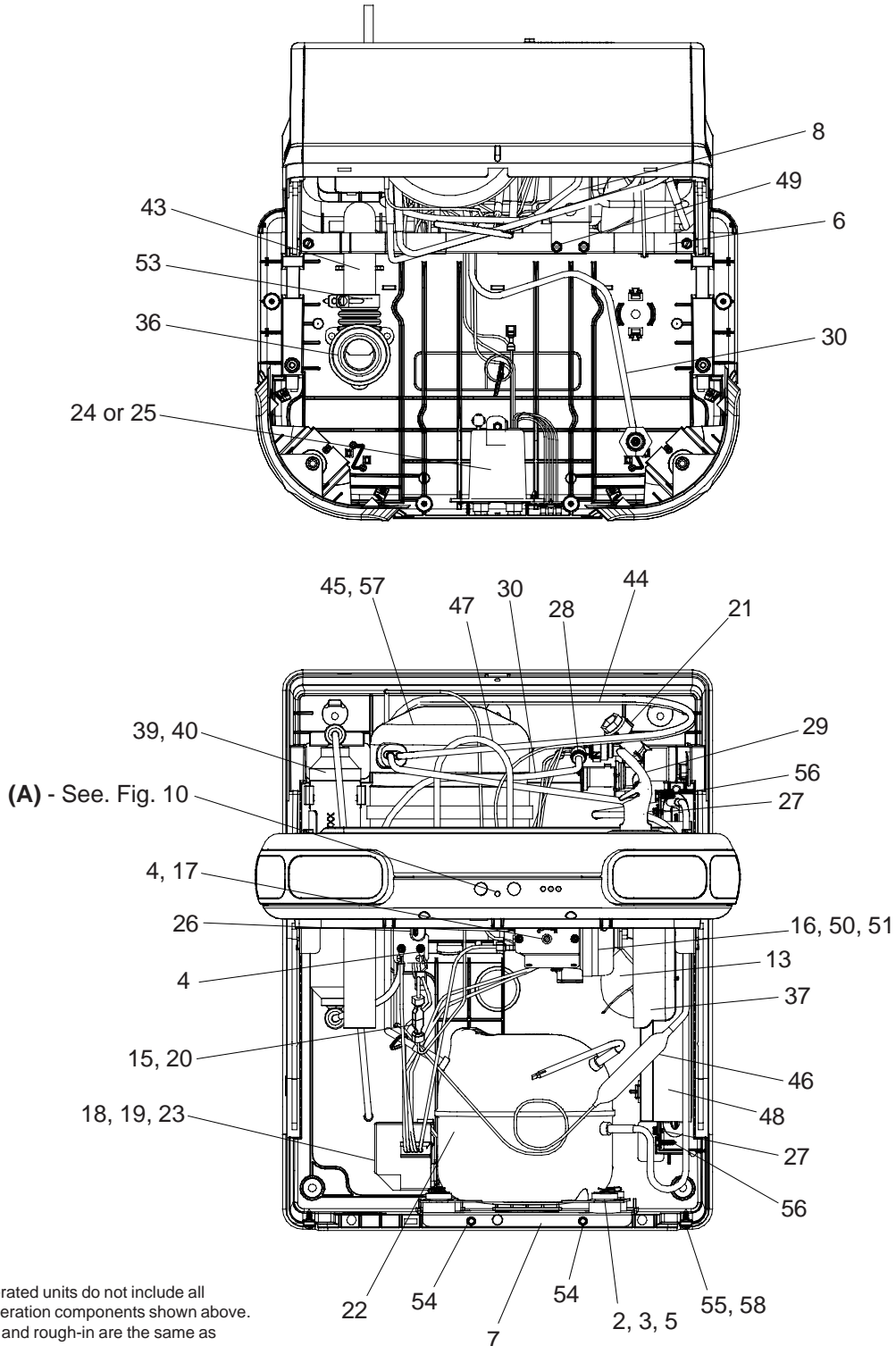


# Halsey Taylor®

## OWNERS MANUAL

### HTVEE-MVP Series Barrier-Free Water Coolers



**Fig. 1**

**NOTE:** Non-refrigerated units do not include all electrical and refrigeration components shown above. Other components and rough-in are the same as shown.

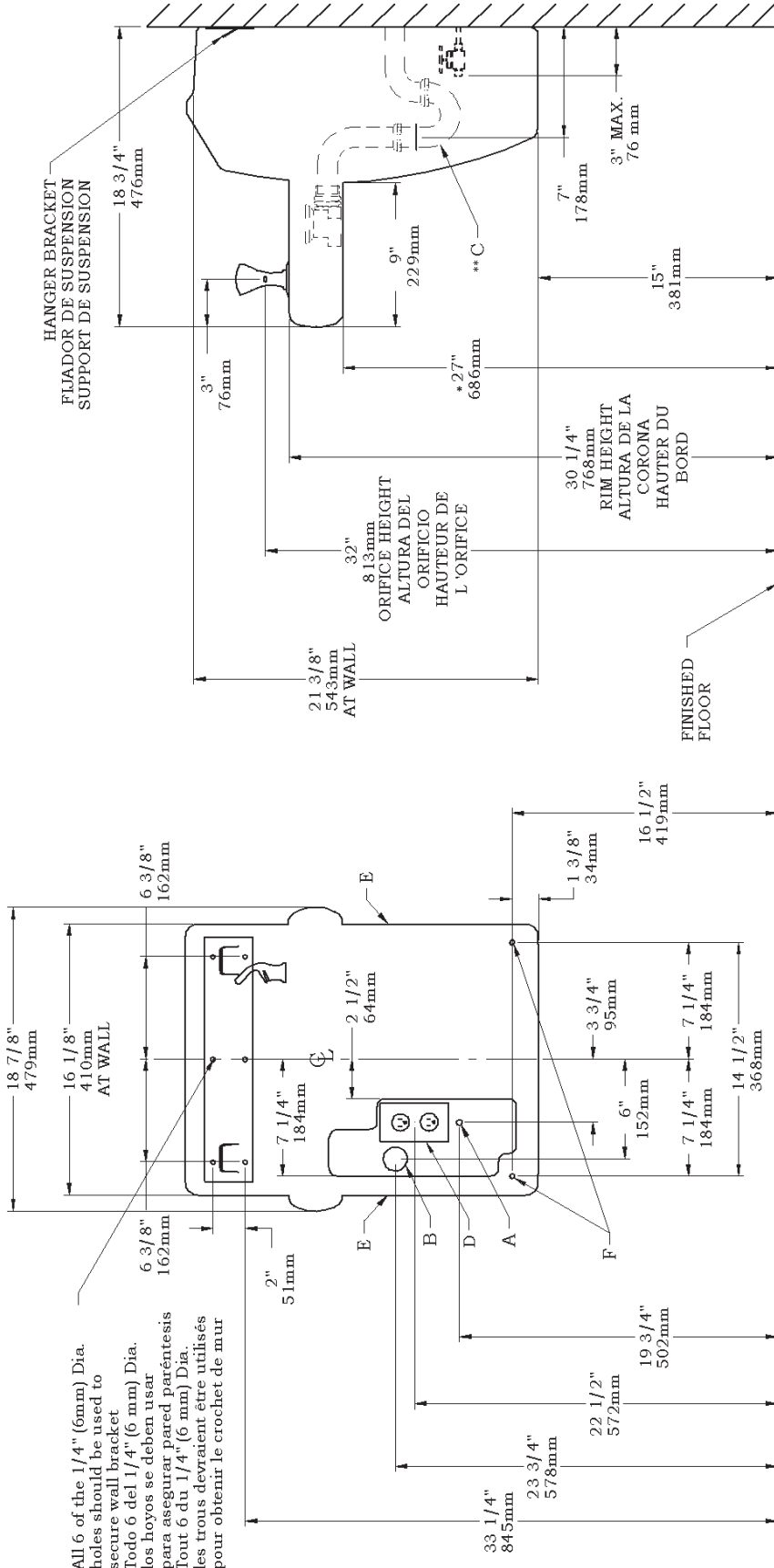


Fig. 2

**\*ADA REQUIREMENT**  
**\*REQUISITO DE A.D.A.**  
**\*EXIGENCE ADA**

Reduce height by 3" (76mm) for installation of childrens ADA cooler.  
 Reduzca la altura por 3" (76 mm) para la instalación de childrens ADA más fresco.  
 Réduire la hauteur par 3 (76 mm) pour l'installation de childrens ADA plus frais.

When replacing a Model "HAC" with a new unit Model "HTV", installer must cut 1-1/2 inches from length of cooler waste line before connecting to trap (see installation instruction No.6)  
 Cuando reemplace un Modelo "HAC" con una unidad nueva Modelo "HTV" el instalador deberá cortar 1½ pulgadas del largo del tubo de desague del enfriador antes de conectar el purgador (vea las instrucciones de instalación No. 6)  
 En remplaçant un modèle "HAC" avec un nouveau modèle "HTV", l'installateur doit couper 1 1/2 pouce de longueur de la canalisation résiduaire du refroidisseur avant de le raccorder au siphon (voir instruction d'installation no. 6)

**NOTE:** Halsey Taylor's recommended orifice mounting height for children 38" to 46" tall (approx. four through seven years old) is 23" from the finished floor.

**LEGEND/LEYENDA/LÉGENDE**  
**A = RECOMMENDED WATER SUPPLY LOCATION. SHUT OFF VALVE (NOT FURNISHED) TO ACCEPT 3/8" O.D. UNPLATED COPPER TUBE.**  
 La UBICACION RECOMENDADA de ABASTECIMIENTO DE AGUA. APAGUE VALVULA (no AMUEBLADO) ACEPTAR 3/8 O. D. LE TUBE DE L'EMPLACEMENT DE PROVISION D'EAU RECOMMANDE. ETEINDRE LA SOUPAPE (PAS FOURNI) ACCEPTER 3/8 O.D. LE TUBE DE CUIVRE DE UNPLATED.

**B = RECOMMENDED LOCATION FOR WASTE OUTLET 1-1/4" O.D. DRAIN**  
 UBICACION RECOMENDADA PARA EL DRENAJE DE SALIDA DE AGUA, DE 1½" DE DIÁMETRO.  
 EMLACEMENT RECOMMANDE POUR LE DRAIN DE D.E. 1-1/4" DE SORTIE D'EAU.

**C = 1-1/4" TRAP NOT FURNISHED\*\***  
 PURGADOR DE 1½ NO PROPORCIONADO\*\*  
 SIPHON 1-1/4 NON FOURNI\*\*

**D = ELECTRICAL SUPPLY (3) WIRE RECESSED BOX**  
 CAJA RECESIVA DE ALAMBRES (3) DE SUMINISTRO ELÉCTRICO  
 BOÎTE ENCASTRÉE D'ALIMENTATION ÉLECTRIQUE (3) FILS

**E = INSURE PROPER VENTILATION BY MAINTAINING 6" (152 mm) (MIN.) CLEARANCE FROM CABINET LOUVERS TO WALL.**  
 ASEGURE UNA VENTILACION ADECUADA MANTENIENDO UN ESPACIO E 6" (152 mm) (MIN.) ENTRE LES ÉVÉNENTS DE L'ENCEINTE ET LE MUR.  
 ASSUREZ-VOUS UNE BONNE VENTILATION EN GARANTANT 6" (152 mm) (MIN.) ENTRE LES ÉVÉNENTS DE L'ENCEINTE ET LE MUR.

**F = 5/16 BOLT HOLES FOR FASTENING UNIT TO WALL**  
 AGUEROS DE LAS TUERCAS DE 5/16 PARA SUJETAR LA UNIDAD A LA PARED  
 TROUS D'ECROUS 5/16 POUR FIXER L'APPAREIL AU MUR

**HANGER BRACKET & TRAP INSTALLATION**

- 1) Remove the hanger bracket fastened to back of the cooler by removing one (1) screw.
  - 2) Mount the hanger bracket as shown in Fig. 2 & Fig 3.
- NOTE:** Hanger Bracket **MUST** be supported securely. Add fixture support carrier if wall will not provide adequate support. Anchor hanger securely to wall using all six (6) 1/4 in. dia. mounting holes.

**IMPORTANT:**

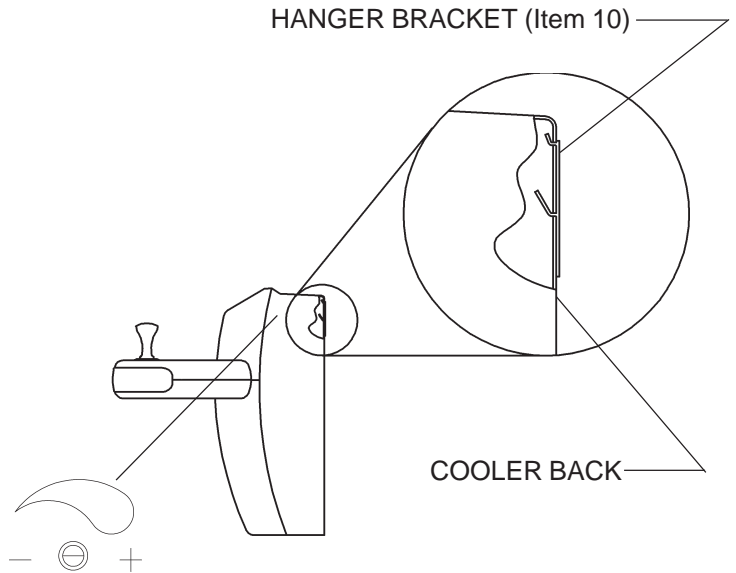
7 in. (178mm) dimension from wall to centerline of trap must be maintained for proper fit.

**INSTALLATION OF COOLER**

- 3) Hang the cooler on the hanger bracket. Be certain the hanger bracket is engaged properly in the slots on the cooler back as shown in Figure 3.
- 4) Remove the two (2) screws holding the bottom cover at the bottom of cooler. (Shown in Fig. 12) Remove the bottom cover by pulling straight down and set aside.
- 5) Connect water inlet line--See Note 4 of General Inst.
- 6) Install trap. Remove the slip nut and gasket from the 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.

**IMPORTANT:** If it is necessary to cut the wasteline, loosen the clamp (Item 53) at the drain fitting (Item 36) and remove. Check for leaks after re-assembly.

- 8) Plug in electrical power and re-install bottom cover. Unit must have electrical power to have water flow.



**Fig. 3**

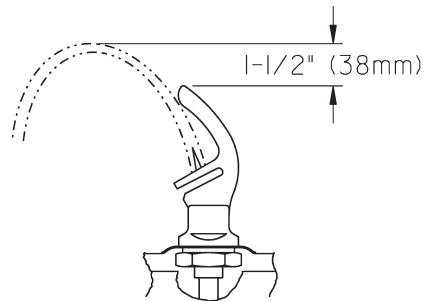
**START UP**

**Also See General Instructions**

- 9) Stream height is factory set at 35 PSI. If supply pressure varies greatly from this, adjust screw located on upper side of frame (Item 32). See Fig. 3. CW adjustment will raise stream and CCW adjustment will lower stream. For best adjustment, stream should be 1-1/2" above bubbler hood. (See Fig. 4)

**NOTE:** If continuous flow occurs at the end of the compressor cycle, turn cold control (Item 17) counterclockwise 1/4 turn.

**CORRECT STREAM HEIGHT**



**Fig. 4**

**CAUTION: PLASTIC COMPONENTS**

Any service of this unit that requires use of a torch, care should be taken not to melt any of the plastic components. To keep flame away from plastic, the use of a shield may be required.

**CLEANING:**

Warm, soapy water or mild household cleaning products can be used to clean the exterior panels of the HTV series coolers. Use of harsh chemicals or petroleum based cleaners **WILL VOID THE WARRANTY.**

**IMPORTANT:**

When installing cooler, do not solder 3/8" copper inlet tube while inserted into union fitting as damage to o-ring and plastic will result.

## Top Cover Removal

Please remove bottom cover before removing top cover. To remove top cover (Item 33), use a small screwdriver to release the snap for the top cover as shown in Fig. 5. Then pull the small tabs on each side of the top cover outward slightly and slide upward to remove.

FIG. 5

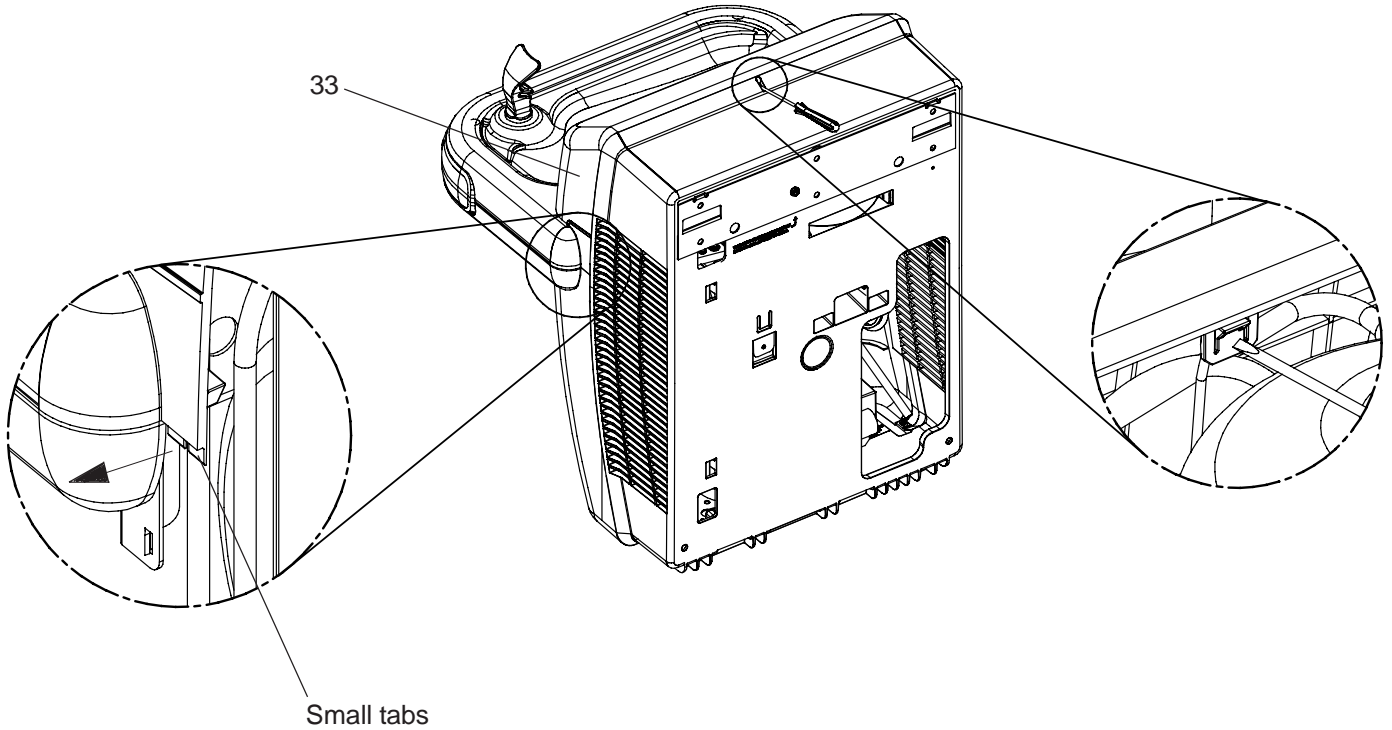
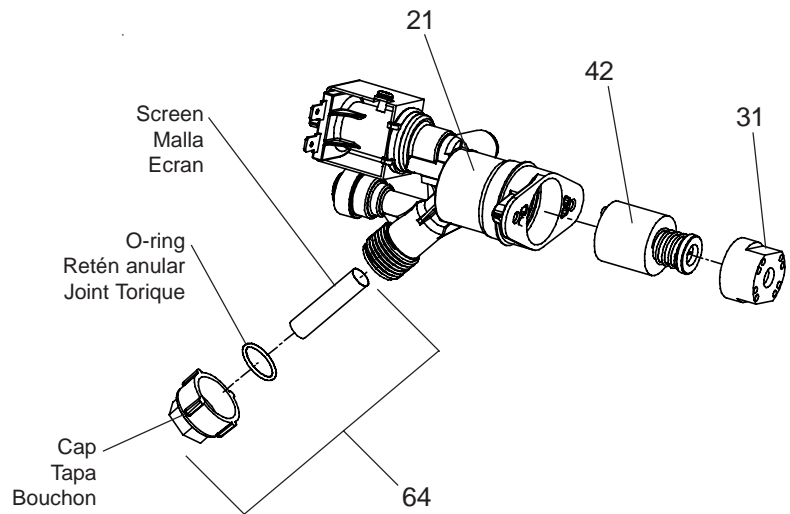


FIG. 6

## Cleaning the strainer

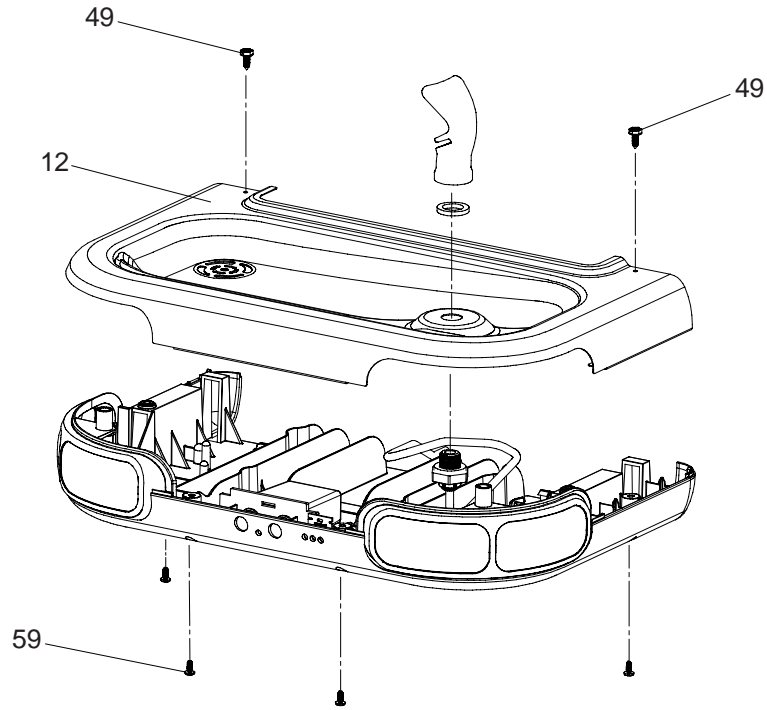
To clean the strainer, unscrew the cap of the solenoid valve. Remove screen and rinse thoroughly with water. Insert screen back into solenoid valve and screw cap on. Make sure the o-ring is placed properly.



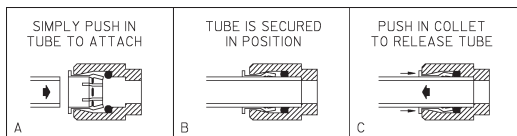
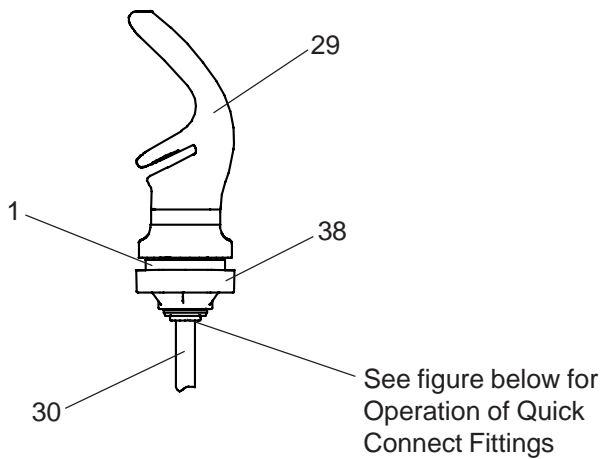
## Removing the basin

To remove the basin (Item 12), remove two screws (Item 49) on top of the basin (Shown in Fig. 7). Then remove the four screws (Item 59) located underneath the dispenser bottom (Item 41) as shown in Fig. 7. Finally pull polytube (Item 30) out of bubbler nipple (Item 38) as shown in Fig. 8. and remove the basin.

**FIG. 7**



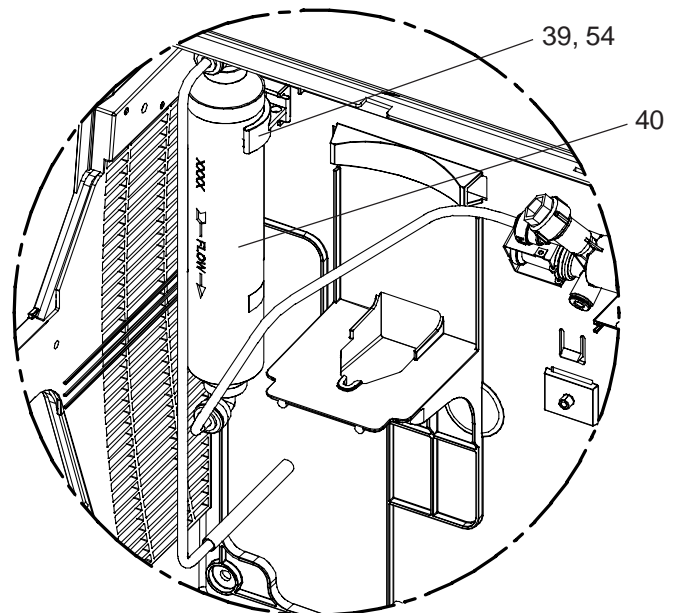
**FIG. 8**



PUSHING TUBE IN BEFORE PULLING IT OUT HELPS TO RELEASE TUBE

**FIG. 9**

## Filter Installation Detail (Some parts hidden for clarity)



## SENSOR RANGE ADJUSTMENT: (A)

The electronic sensor used in this cooler is factory pre-set for a "visual" range of 36 inches (914 mm). If actual range varies greatly from this or a different setting is desired, follow the range adjustment procedure below:

- Using a small tip screwdriver, locate range adjustment screw through the small hole between the sensor lenses **(A)**. Turn this screw clockwise to increase range and counterclockwise to decrease range.

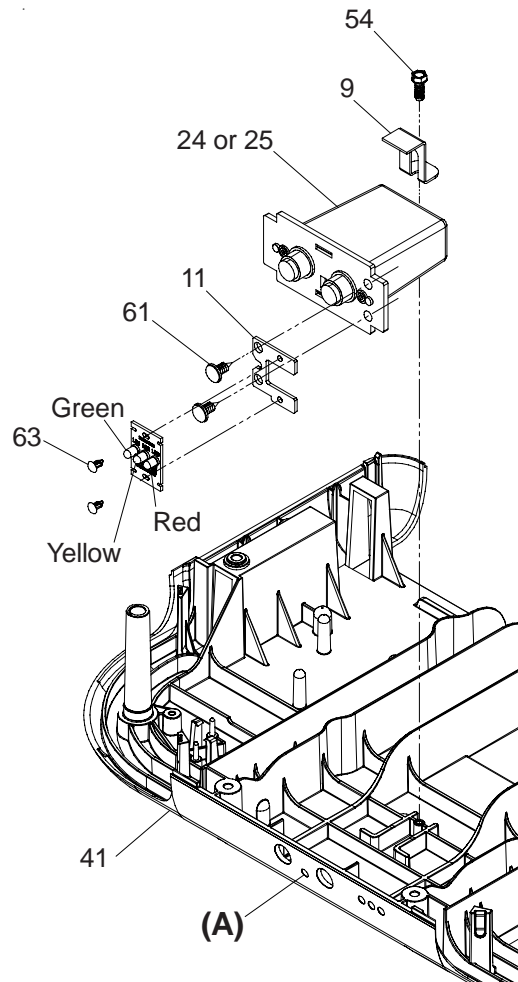
**CAUTION:** Complete range of sensor (24-46 inches/610-1168mm) is only one turn of the adjusting screw.

**SENSOR CONTROL:** If sensor fails to operate valve mechanism or operates erratically, check the following.

- Ensure there are no obstructions within a 40 inch (1016mm) radius in front of cooler.
- Check wire connections at the solenoid valve and 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.

**FIG. 10**



## SENSOR WITH FILTER LIFE INDICATOR: (B)

The electronic sensor includes LED filter status indicators that are factory preset to monitor filter life. The sensor monitors the "ON" time of the water valve solenoid and keeps track of total time water is dispensed. There are (3) LED's and indicates the following:

Green LED (Good) indicates that the filter is operating within 0% - 80% of its life.

Yellow LED indicates that the filter is operating within 80% - 100% of its life.

Red LED (Replace) indicates that the filter needs to be replaced since it has reached end of filter life.

Once power is applied to the water cooler, if all three LED's flash then the Green LED illuminates, this indicates that there is some filter usage memory stored. When the Green LED comes on only, this indicates that the filter life is at absolute 0% of filter life. NOTE: You may have some very minimal filter life in memory upon receiving water cooler due to factory functional testing.

**NOTE: The filter status will be retained until reset (see resetting filter monitor). The filter monitor will retain its memory even during a loss of power.**

## RESETTING FILTER LIFE INDICATOR: (C)

In order to reset the filter life indicator status LED's, you must remove the finishing plug (Item 62) underneath the front dispenser. With a straight blade screw driver or pen, reach inside opening and depress the reset button located on the back of the sensor as seen on (C) for a minimum of 1 second. (You may need a flashlight). Reinstall finishing plug and the Green LED should be illuminated indicating that the visual filter monitor has been reset.

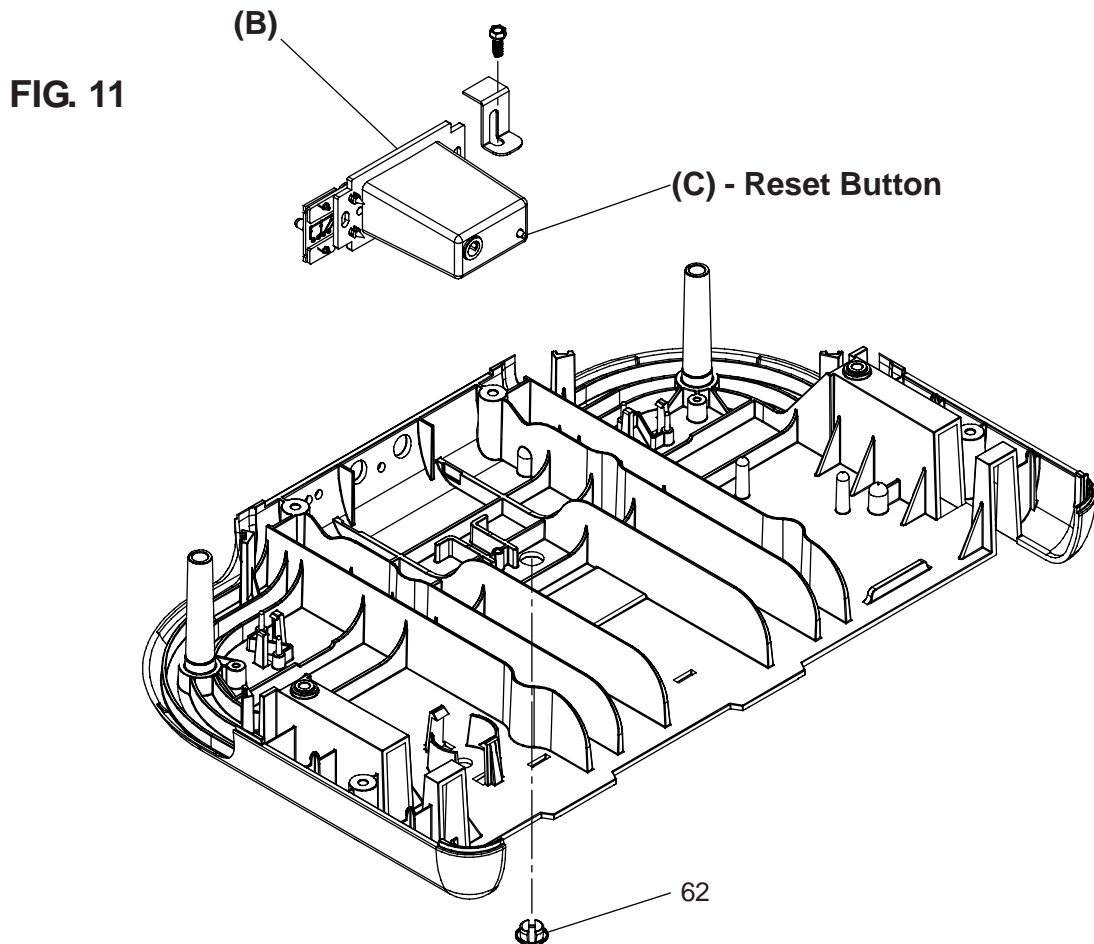
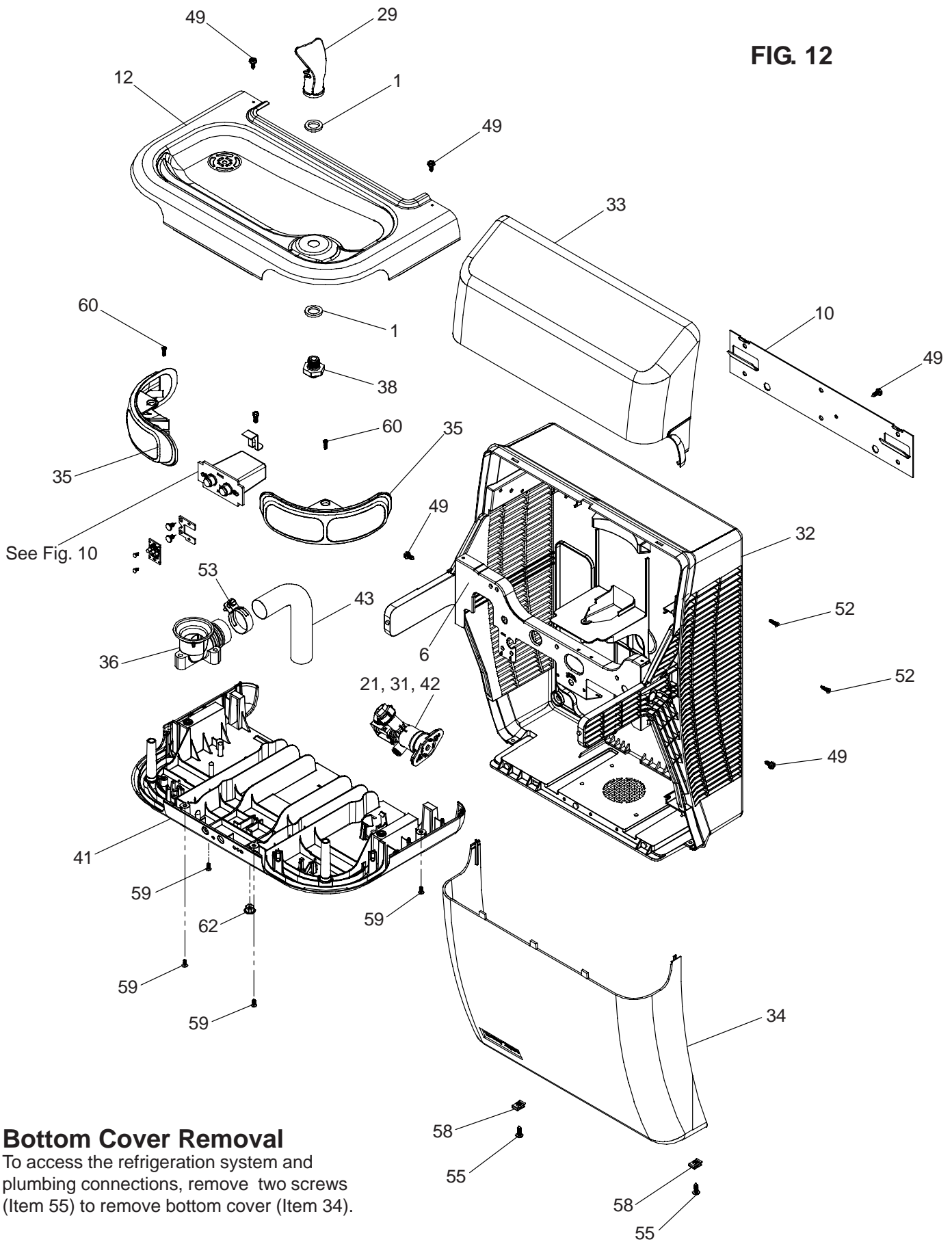
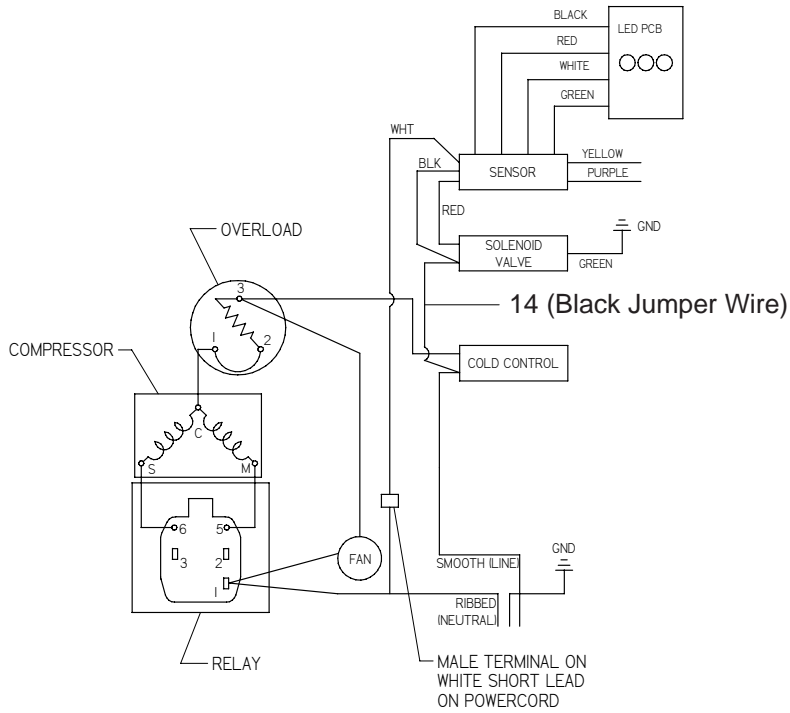


FIG. 12

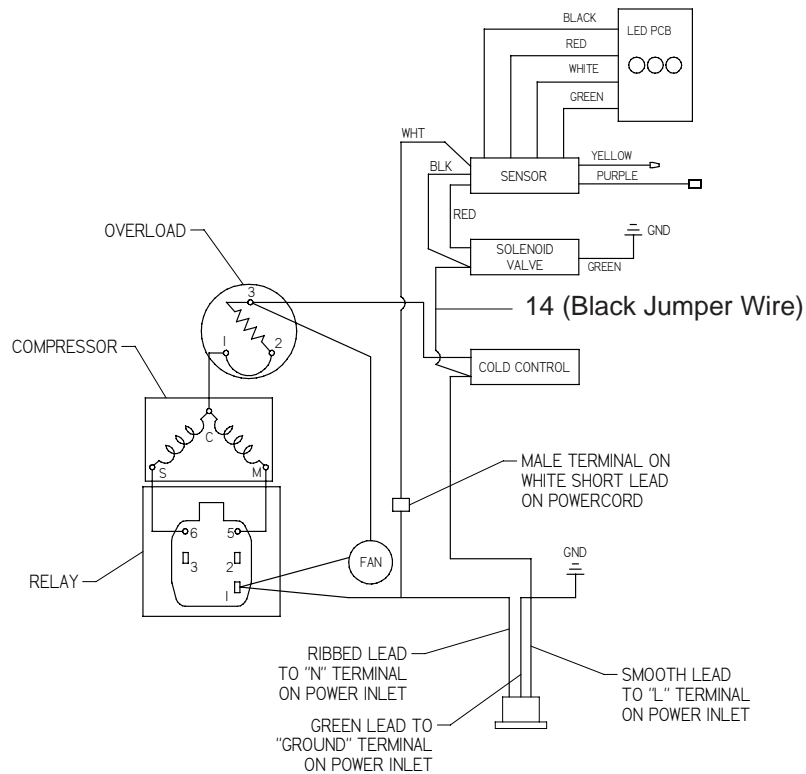


**FIG. 13**



**WIRING DIAGRAM - HTV8EE-MVP - 115V**

**FIG. 14**



**WIRING DIAGRAM - HTV8EE-MVP - 220V-50/60Hz**

**PARTS LIST**

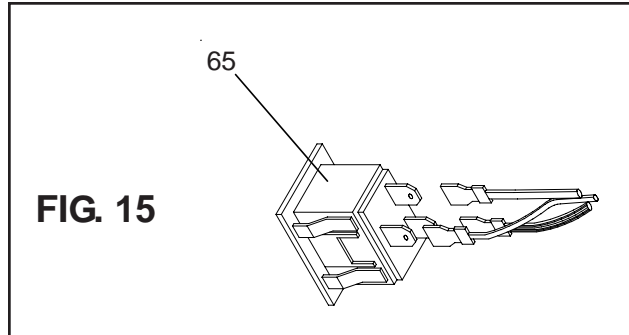
ITEM NO.	PART NO.	DESCRIPTION
1	100322740560	Gasket - Bubbler (upper and lower)
2	100806740570	Grommet - Compressor Mtg.
3	101516143550	Stud - Compressor Mtg.
4	111411443890	Screw - #8 -36 x .38 Tri-Lobed
5	19037000	Clip - Compressor Mtg.
6	28237C	Support Brace
7	28238C	Compressor Base
8	28239C	Bracket - Fan Motor
9	28246C	Bracket - EE
10	28266C	Hanger Bracket
11	28803C	Bracket - Mtg.
12	28836C	Basin (Filter Monitor)
13	30646C	Fan Blade
14	30873C	Wire
15	31376C	Power Cord (Less Refrig. Unit)
16	31490C	Fan Motor
17	31513C	Cold Control
18	35768C	Cover - Relay
19	35959C	Relay
20	35978C	Power Cord (Refrig. Unit)
21	36247C	Solenoid Valve
* 22	36094C	Compressor Serv. Pak EMI 70
23	36158C	Overload
24	36263C	Sensor Assy. (Refrig. Unit)
25	36266C	Sensor Assy. (Less Refrig. Unit)
26	38397000	Bushing - Strain Relief
27	38417001	Screw
28	70817C	Elbow - Stem 1/4 x 1/4
29	51544C	Bubbler - Chrome
30	56092C	Tubing - Poly (Cut To length)
31	56082C	Regulator Nut
32	56094C	Frame
33	56098C	Top Cover
34	56102C	Bottom Cover
35	56110C	Pushbar
36	56118C	Fitting - Drain
37	56122C	Fan Shroud
38	56159C	Nipple - Bubbler
39	56190C	Bracket - Filter Mounting
40	56191C	Filter Assembly
41	56291C	Dispenser Bottom
42	66654C	Regulator
43	66659C	Waste Line
44	66661C	Heat Exchanger
45	66700C	Evaporator Assembly
46	66703C	Drier
47	66723C	Tube - Evap to Base
48	66762C	Condenser
49	70002C	Screw - #10 x 1/2" Lg. HHSM
50	70009C	Screw - Fan Motor
51	70018C	Hex Nut
52	75718C	Screw - #8-18 Flat Hd. Torx Drive
53	70444C	Clamp - Drain Gasket
54	71014C	Screw - #10-16 x .50" HHHL
55	75532C	Screw - #10-16 x .63" THSM
56	75533C	Screw - #8 x .63 HHSM
57	75568C	Screw #12 x 1.50" HHSM
58	75599C	Clip - Tinnerman
59	75663C	Screw - #10 x .50 HHSM
60	75625C	Screw - HTV Pushbar
61	75715C	Rivet - Push In Ratcheting
62	75716C	Finishing Plug
63	75717C	Rivet - Push In
64	98169C	Kit - Replacement Cap/Screen/O-Ring

**220V-50Hz PARTS LIST**

ITEM NO.	PART NO.	DESCRIPTION
16	31431C	Fan Motor
19	36050C	Relay
20	36066C	Power Cord
21	36248C	Solenoid Valve
* 22	36085C	Compressor Serv. Pak
23	36195C	Overload
65	35826C	Power Inlet
NS	28350C	Bracket - Power Inlet

**220V-60Hz PARTS LIST**

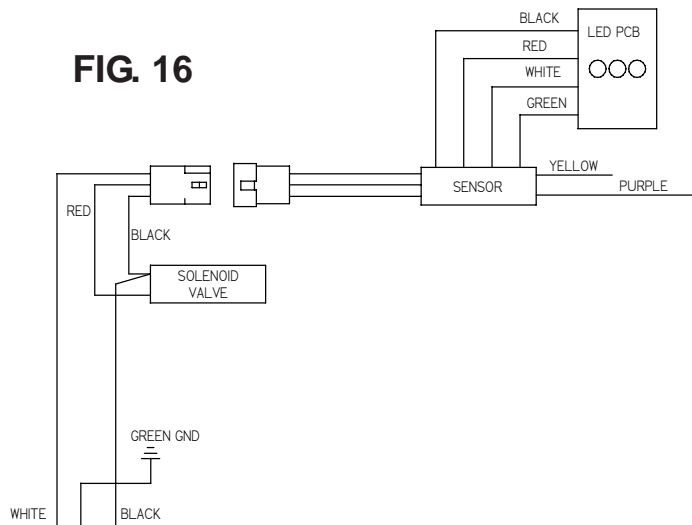
ITEM NO.	PART NO.	DESCRIPTION
16	31431C	Fan Motor
19	36050C	Relay
20	36066C	Power Cord
21	36248C	Solenoid Valve
* 22	36092C	Compressor Serv. Pak
23	36174C	Overload
65	35826C	Power Inlet
NS	28350C	Bracket - Power Inlet



**FIG. 15**

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

**FIG. 16**



**Halsey Taylor**

2222 CAMDEN COURT  
 OAK BROOK, IL 60523  
 630.574.3500

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REPAIR SERVICE INFORMATION TOLL FREE NUMBER 1.800.260.6640  
 FOR PARTS CONTACT YOUR LOCAL DISTRIBUTOR OR VISIT OUR WEBSITE [WWW.HALSEYTAYLOR.COM](http://WWW.HALSEYTAYLOR.COM)

**WIRING DIAGRAM**  
**HTVDEE-MVP - 115V**