Halsey Taylor®

OWNERS MANUAL

HTVBLEE-MVP Series Barrier-Free Water Coolers

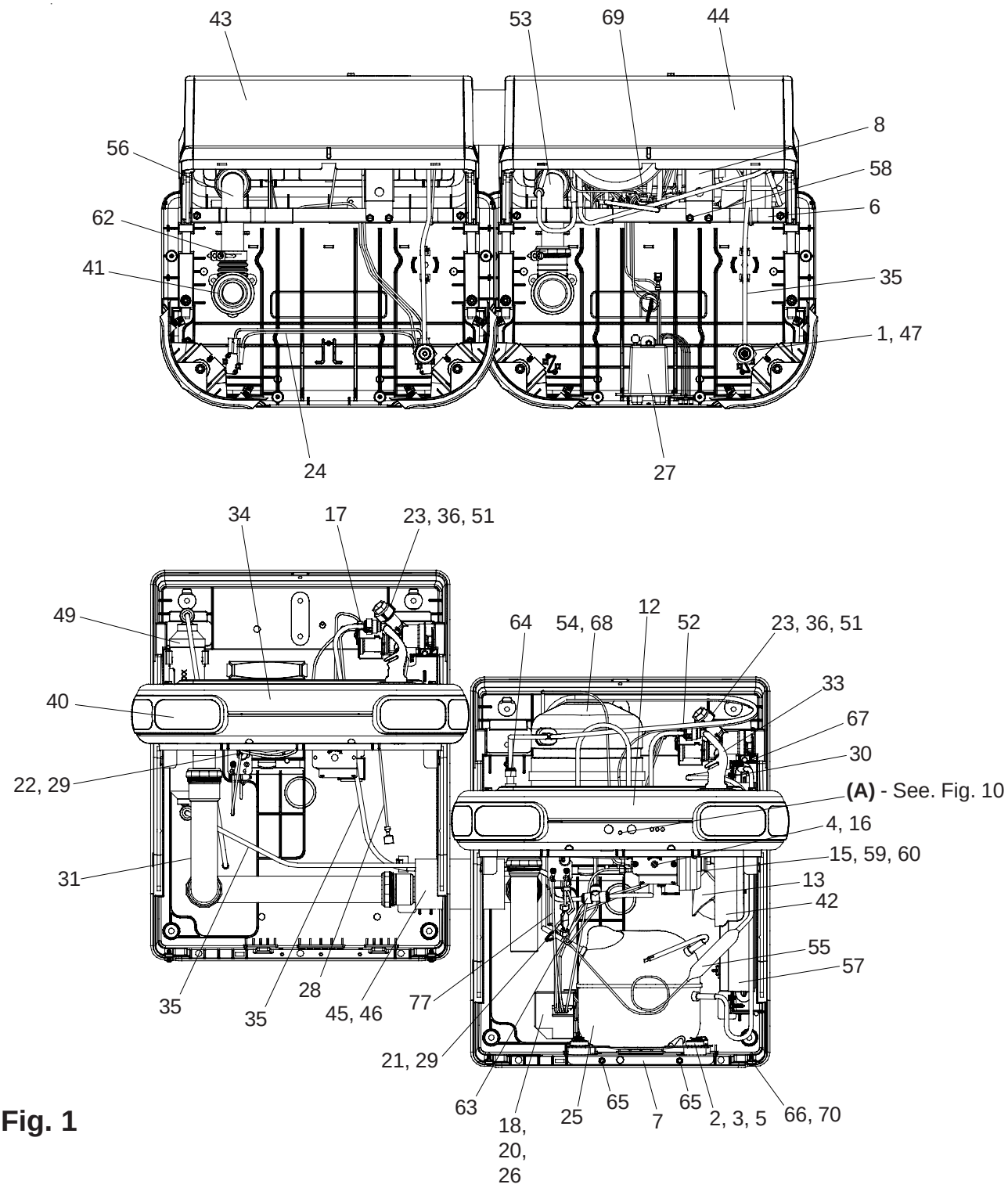


Fig. 1

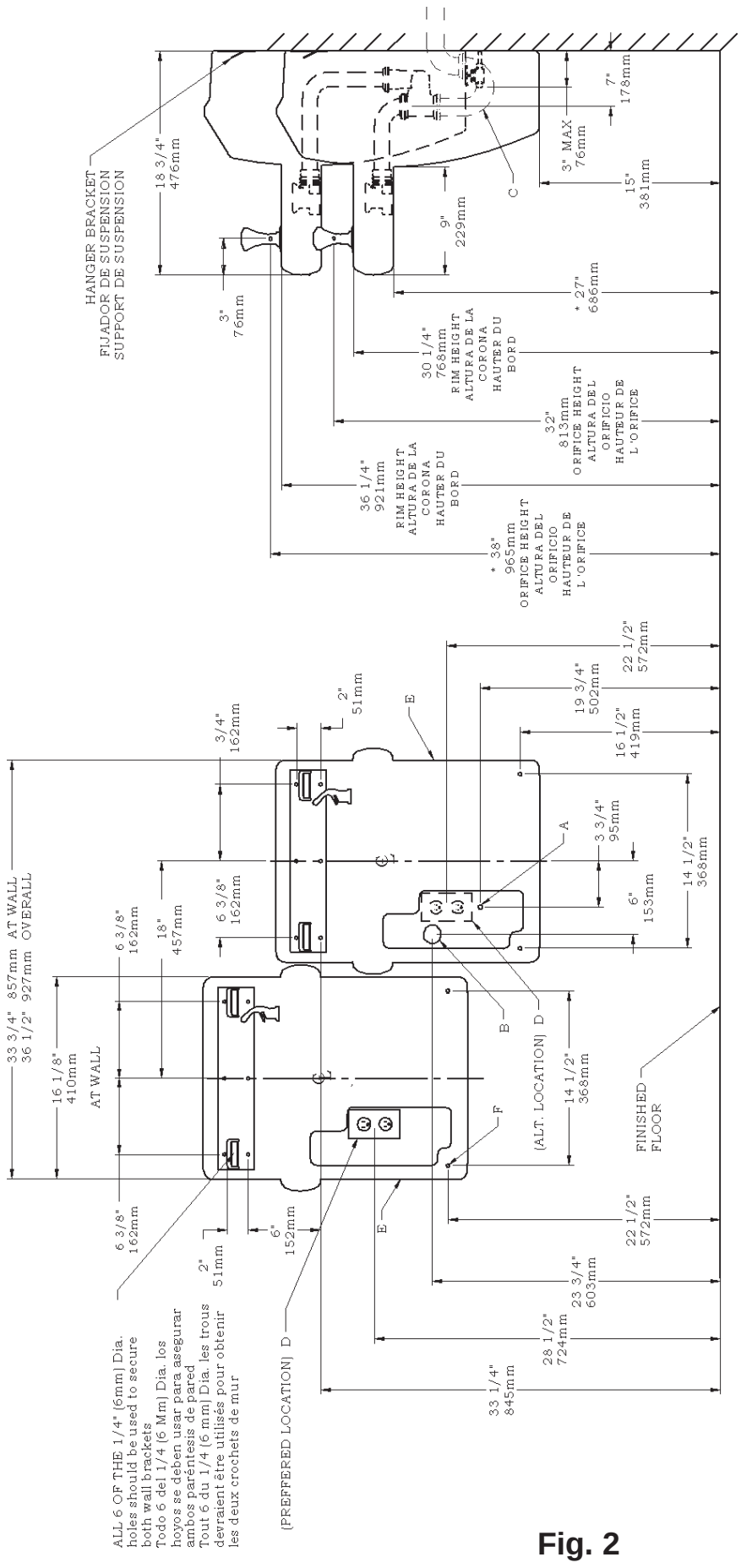


Fig. 2

*****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.

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. El TUBO del COBRE de UNPLATED
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
UBICACIÓN RECOMENDADA PARA EL DRENAJE DE SALIDA DE AGUA, DE 1¼" DE DIÁMETRO.
EMPLACEMENT RECOMMANDÉ POUR LE DRAIN DE D.E. 1-1/4" DE SORTIE D'EAU.

C = 1-1/2 TRAP NOT FURNISHED**
PURGADOR DE 1-1/2 NO PROPORCIONADO**
SIPHON 1-1/2 NON FOURNI**

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

E = INSURE PROPER VENTILATION BY MAINTAINING 6" (152 mm) (MIN.) CLEARANCE FROM CABINET LOUVERS TO WALL.
ASEGURE UNA VENTILACIÓN ADECUADA MANTENIENDO UN ESPACIO E 6" (152 mm) (MÍN.) DE HOLGURA ENTRE LA REJILLA DE VENTILACIÓN DEL MUEBLE Y LA PARED
ASSUREZ-VOUS UNE BONNE VENTILATION EN GARDANT 6" (152 mm) (MIN.) ENTRE LES ÉVENTS DE L'ENCEINTE ET LE MUR.

F = 5/16 BOLT HOLES FOR FASTENING UNIT TO WALL
AGUJEROS DE LAS TUERCAS DE 5/16 PARA SUJETAR LA UNIDAD A LA PARED
TROUS D'ÉCROUS 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. 16) 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 62) at the drain fitting (Item 41) 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.

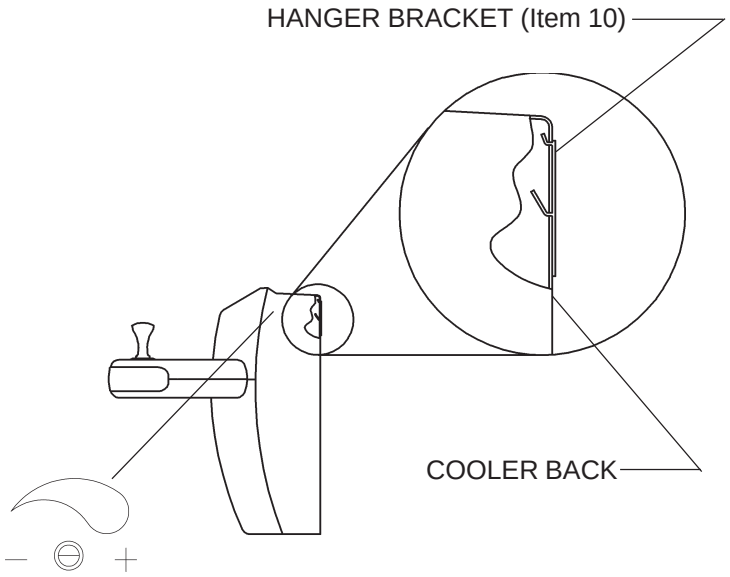


Fig. 3

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 43 or 44). 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 16) counterclockwise 1/4 turn.

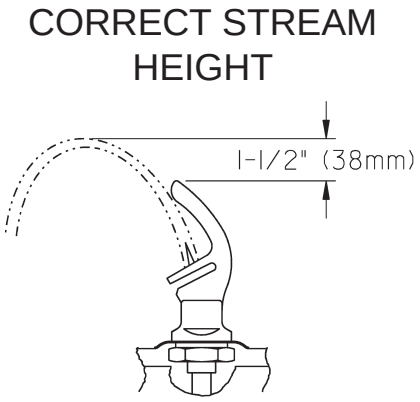


Fig. 4

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.**

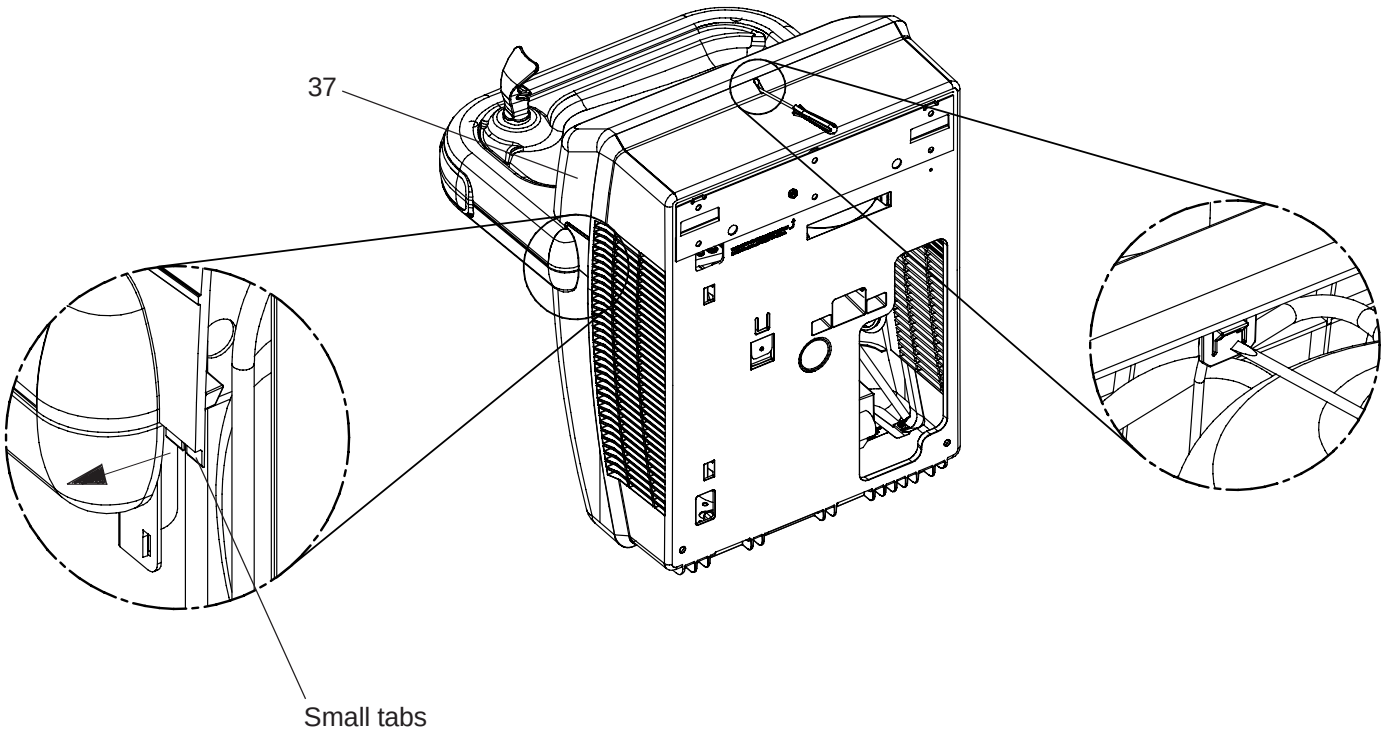
IMPORTANT:

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 37), 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.

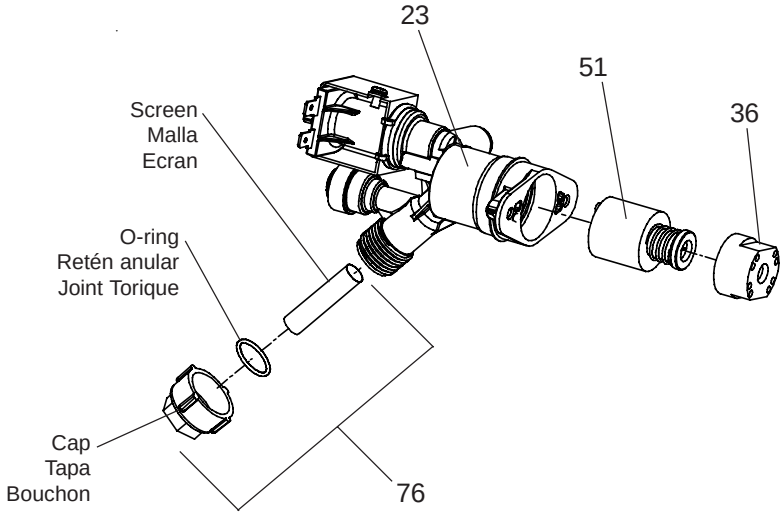
FIG. 5



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.

FIG. 6



Removing the basin

To remove the basin (Item 12 or 34), remove two screws (Item 58) on top of the basin (Shown in Fig. 7). Then remove the four screws (Item 71) located underneath the dispenser bottom (Item 39 or 50) as shown in Fig. 7. Finally pull polytube (Item 35) out of bubbler nipple (Item 47) as shown in Fig. 8. and remove the basin.

FIG. 7

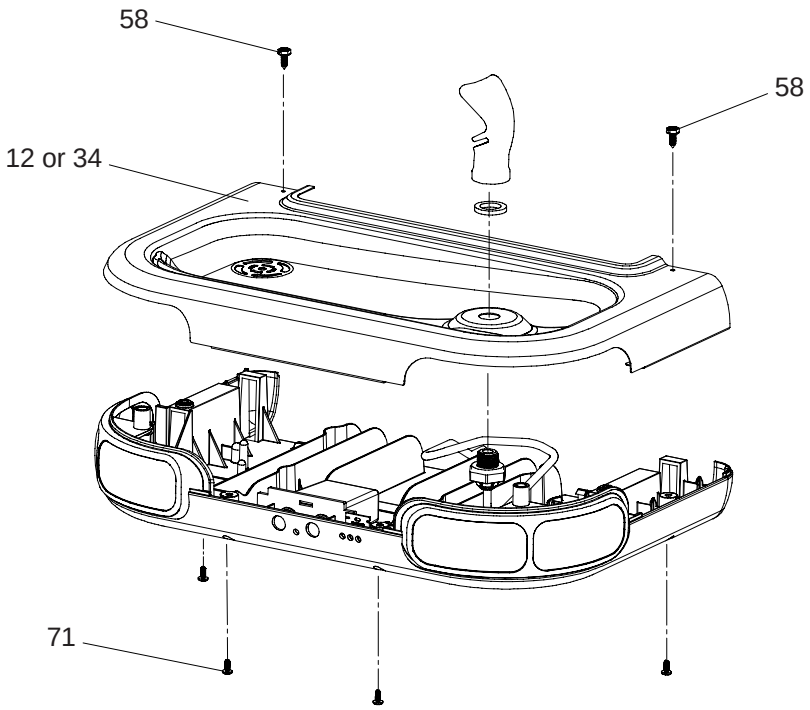
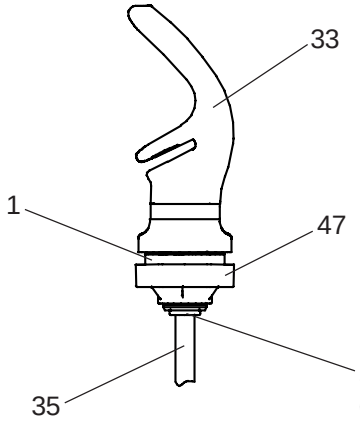
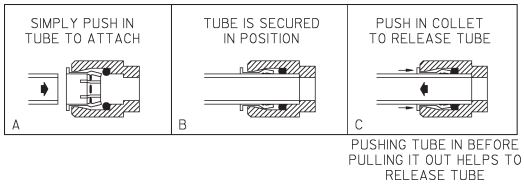


FIG. 8



See figure below for Operation of Quick Connect Fittings

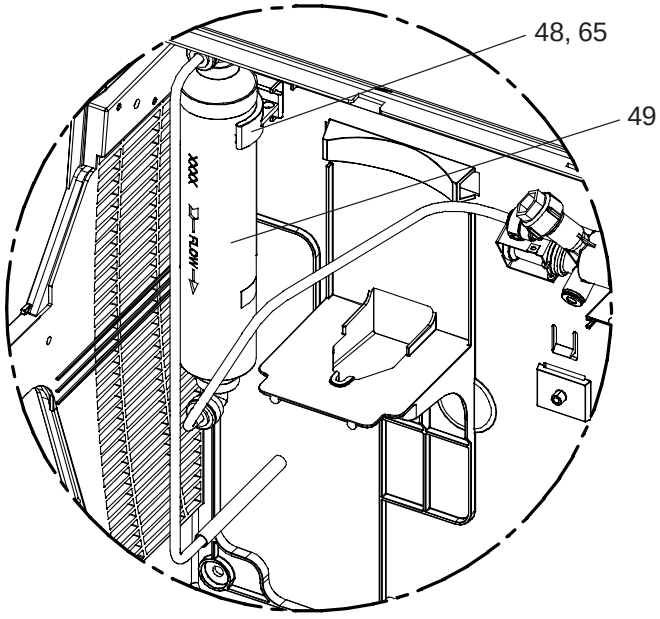


PUSHING TUBE IN BEFORE PULLING IT OUT HELPS TO RELEASE TUBE

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.

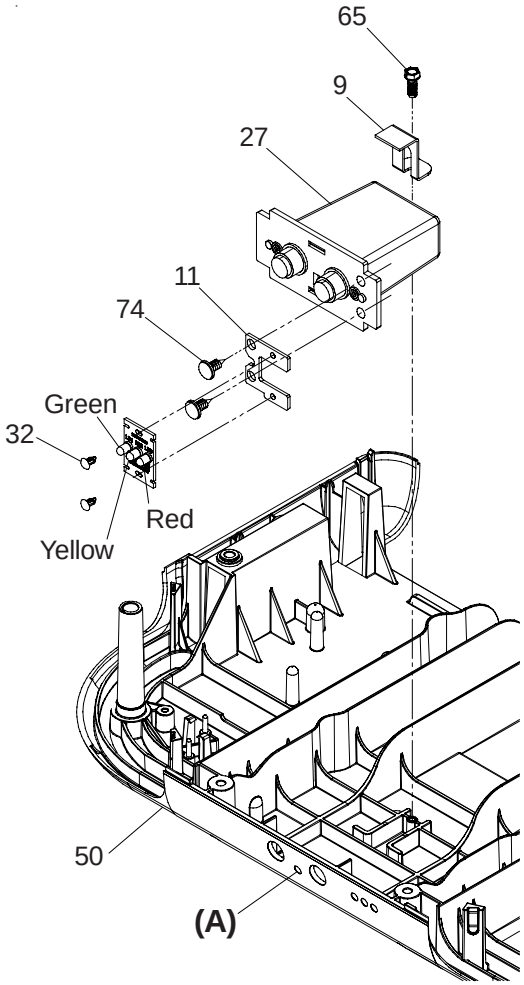
SENSOR CONTROL: If sensor fails to operate valve mechanism or operates erratically, check the following.

A. Ensure there are no obstructions within a 40 inch (1016mm) radius in front of cooler.

B. Check wire connections at the solenoid valve and 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.

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.

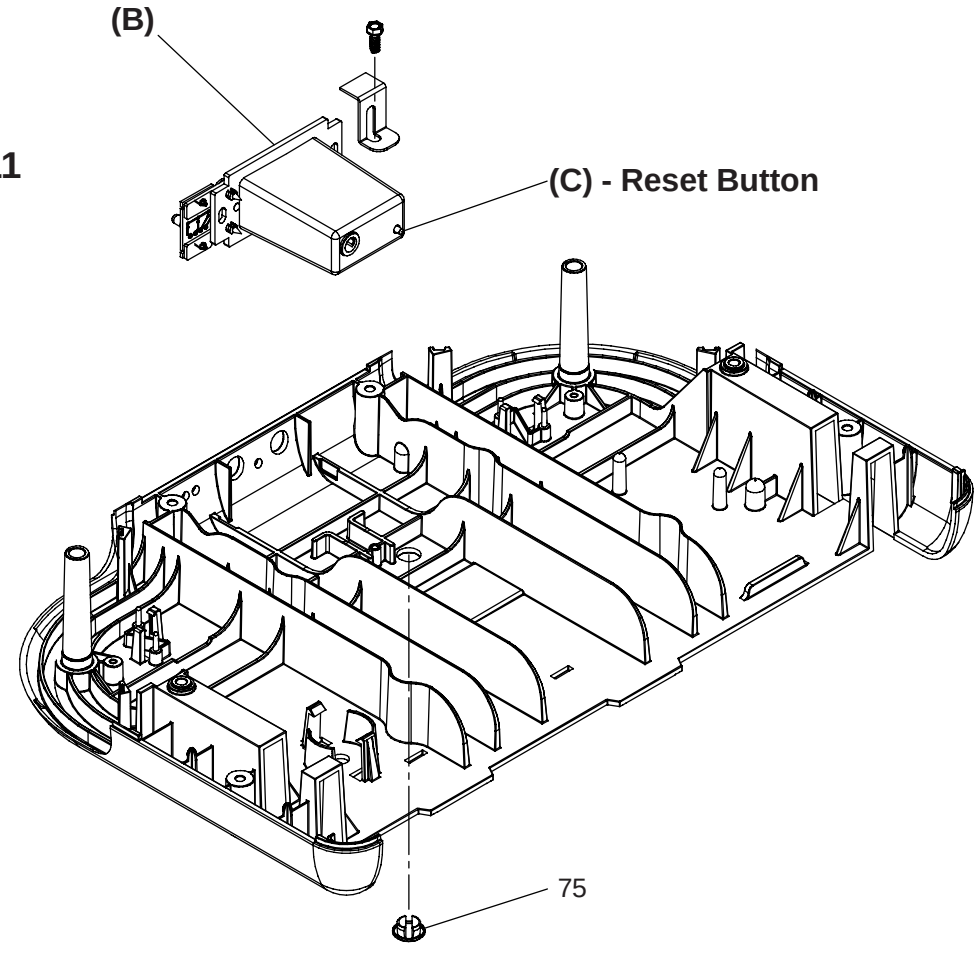
Once power is applied to the water cooler, if all three LED's flash then the Green LED aluminates, this indicates that there is some filter usage memory stored. When the Green LED comes on only, this indicates that the filter life is at absolute 0% of filter life. NOTE: You may have some very minimal 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 75) 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. 11



Switch Activation Detail

FIG. 12

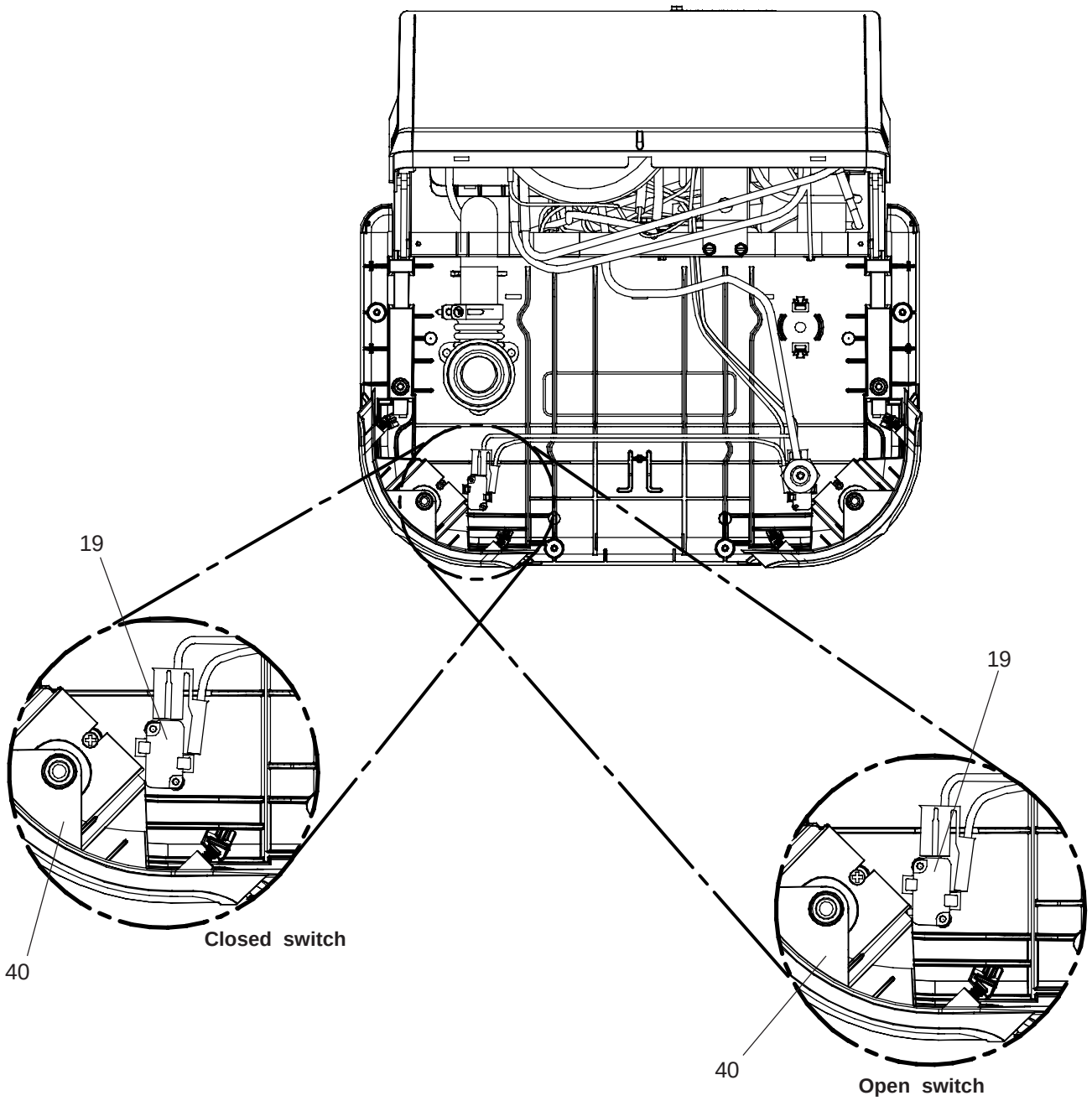
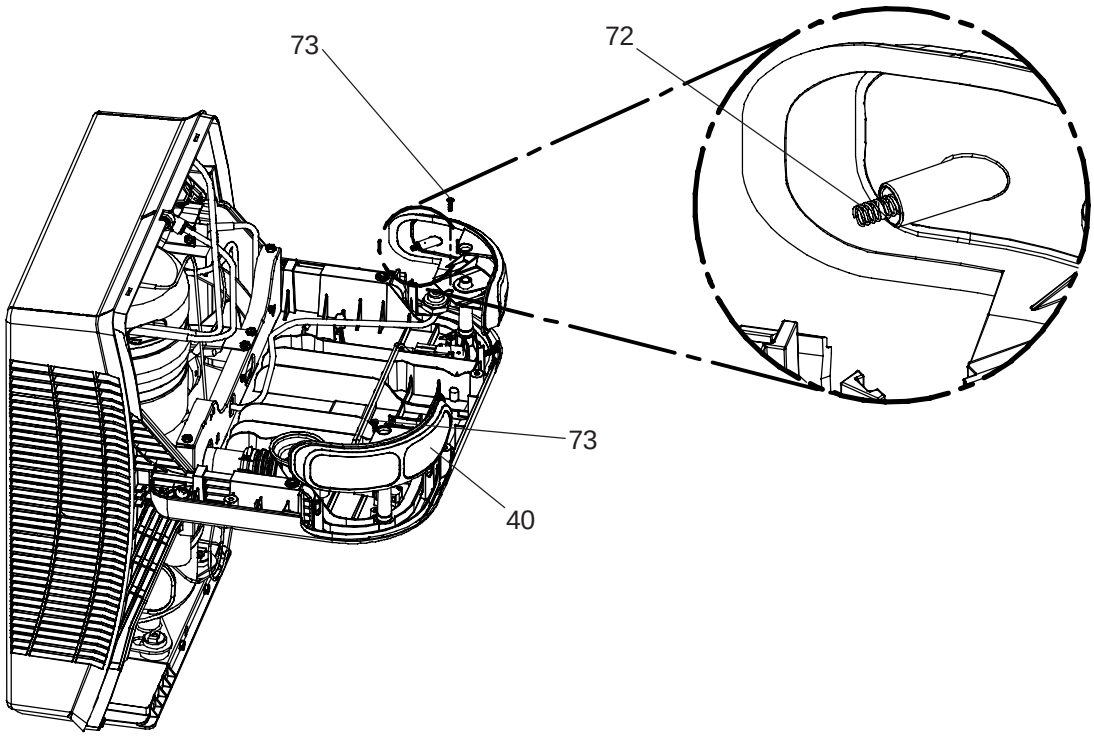


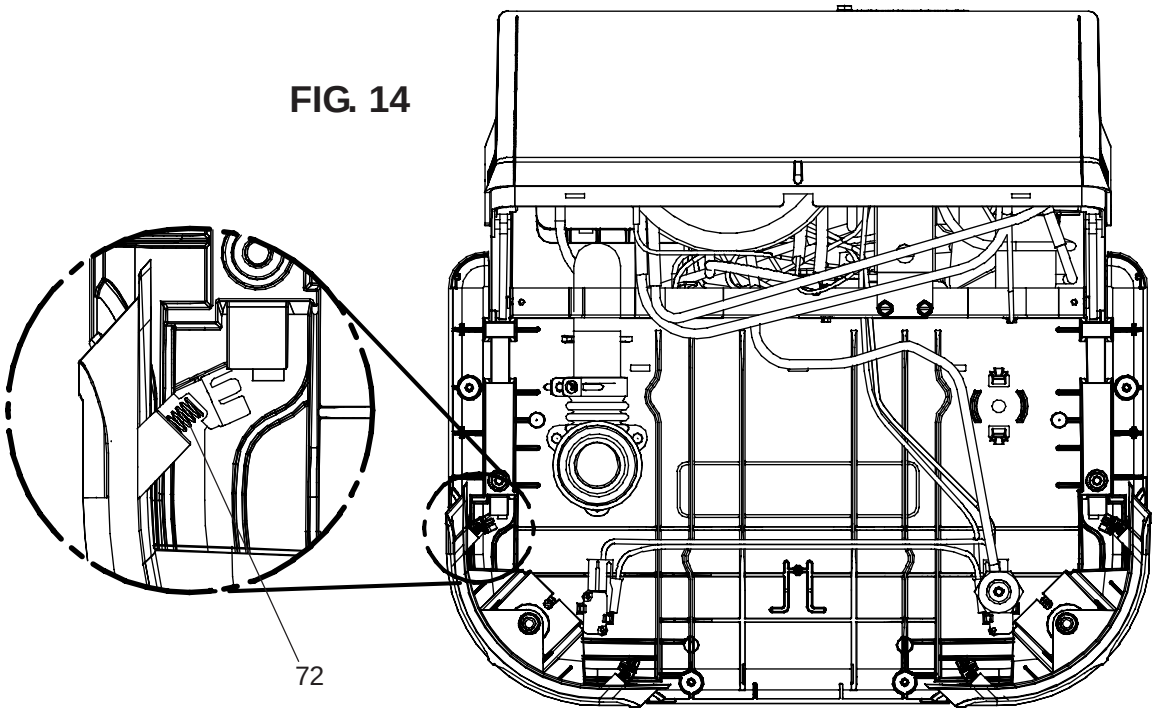
FIG. 13

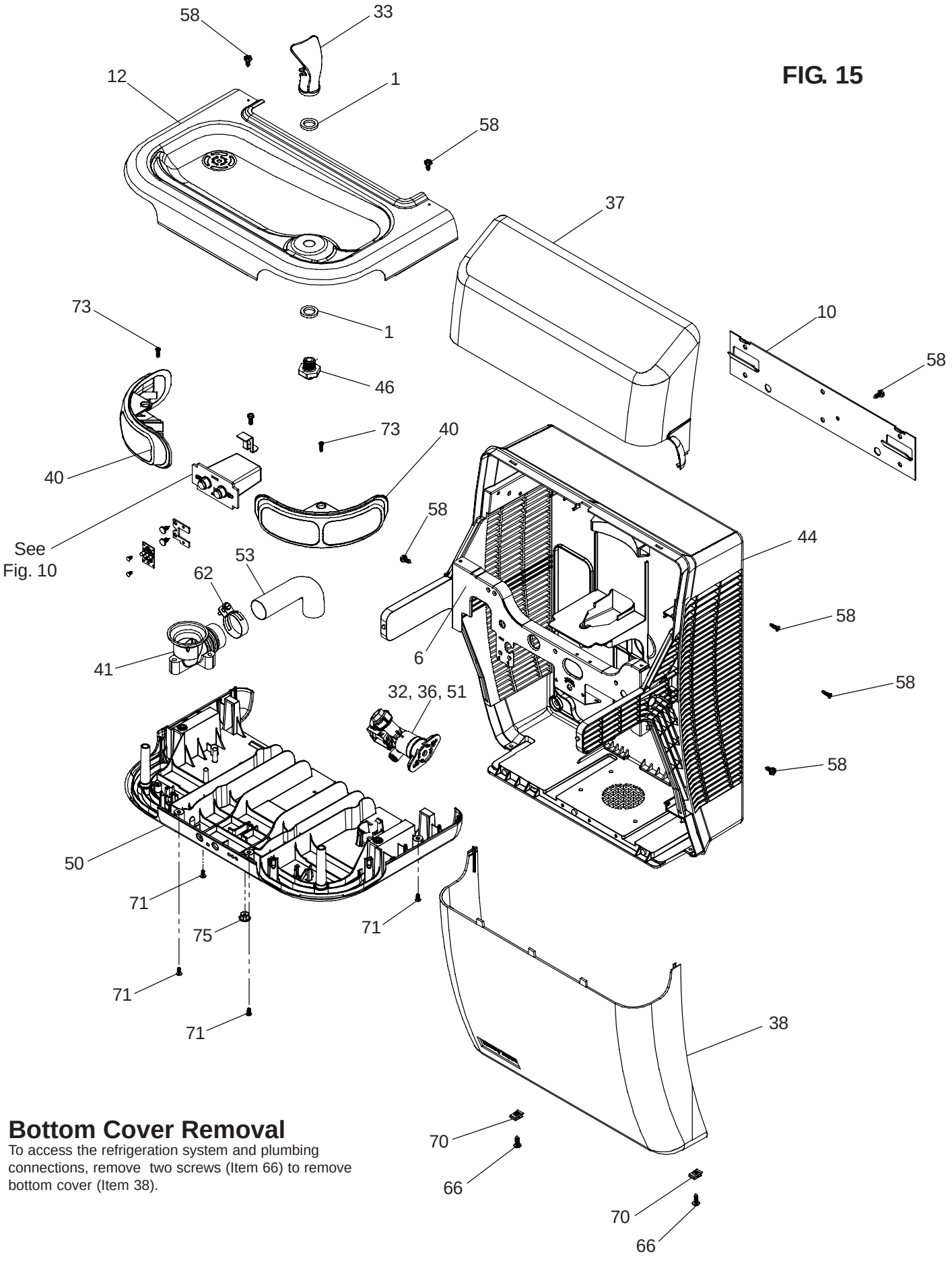


Pushbar Replacement

Please remove the basin before removing the pushbars. Remove screw (Item 73) that holds pushbars in place. Then simply slide the pushbars upward and remove. Do not discard the small springs or screws. When replacing pushbars do not over tighten screws, because the pushbars need to move freely. **See Figures 13 & 14 for proper spring placement.**

FIG. 14

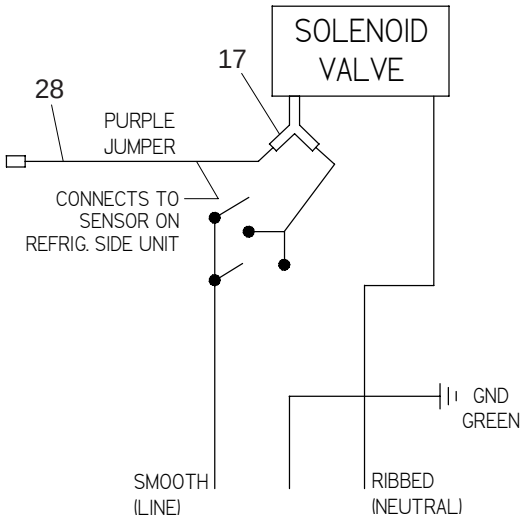




Bottom Cover Removal

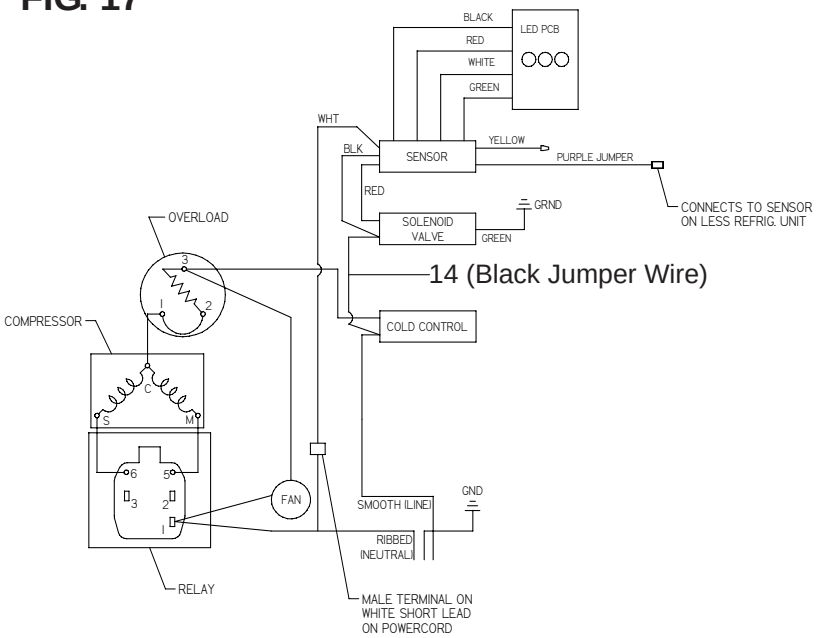
To access the refrigeration system and plumbing connections, remove two screws (Item 66) to remove bottom cover (Item 38).

FIG. 16



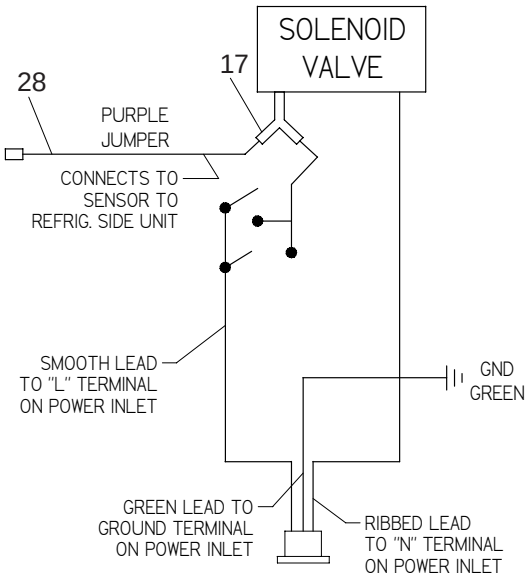
WIRING DIAGRAM
HTVD8BL-MVP - 115V

FIG. 17



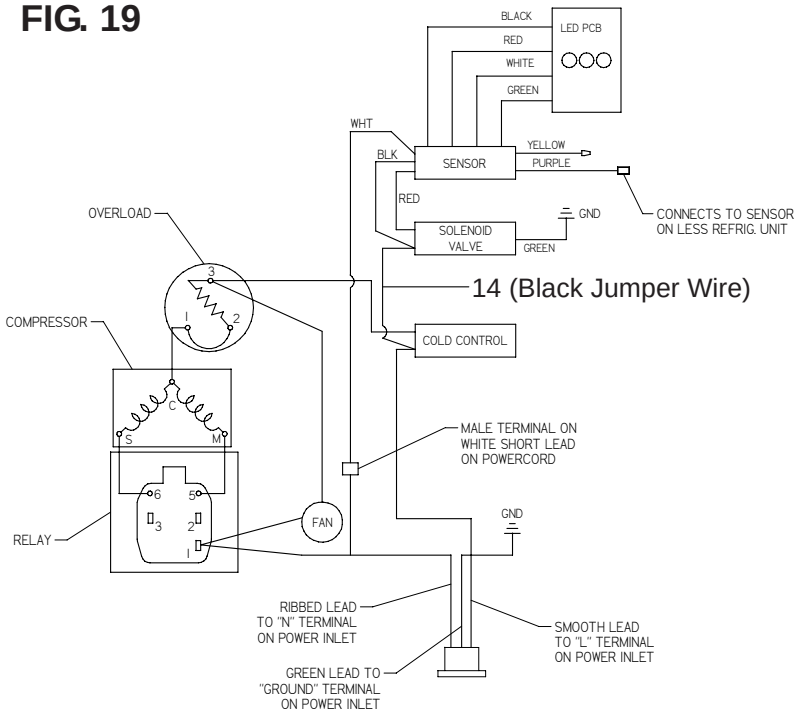
WIRING DIAGRAM
HTV8BLEE-MVP - 115V

FIG. 18



WIRING DIAGRAM
HTVD8BL-MVP - 220V-50/60Hz

FIG. 19



WIRING DIAGRAM
HTV8BLEE-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 Unit)
13	30646C	Fan Blade
14	30873C	Jumper Wire - Black
15	31490C	Fan Motor
16	31513C	Cold Control
17	33133000	Adapter Tab
18	35768C	Cover - Relay
19	35948C	Switch Electrical
20	35959C	Relay
21	35978C	Power Cord (Refrig. Unit)
22	35980C	Power Cord (Less Refrig. Unit)
23	36247C	Solenoid Valve
24	36279C	Wiring Harness
* 25	36094C	Compressor Serv. Pak EMI 70
26	36158C	Overload
27	36263C	Sensor - EE (Filter Monitor)
28	36265C	Jumper Wire (Purple)
29	38397000	Bushing - Strain Relief
30	38417001	Screw - #8-18 x .37 HHSM
31	45875C	Waste Line Assy.
32	75717C	Rivet - Push In
33	51544C	Bubbler - Chrome
34	55001122	Basin
35	56092C	Tubing - Poly (Cut To length)
36	56082C	Regulator Nut
37	56098C	Top Cover
38	56102C	Bottom Cover
39	56106C	Dispenser Bottom (Less Refrig. Unit)
40	56110C	Pushbar
41	56118C	Fitting - Drain
42	56122C	Fan Shroud
43	56128C	Frame (Less Refrig. Unit)
44	56132C	Frame (Refrig. Unit)
45	56154C	Bushing
46	56155C	Drain Cover
47	56159C	Nipple - Bubbler
48	56190C	Bracket - Filter Mounting
49	56191C	Filter Assembly
50	56291C	Dispenser Bottom (Refrig. Unit)
51	66654C	Regulator
52	66661C	Heat Exchanger
53	66697C	Waste Line (Refrig. Unit)
54	66700C	Evaporator Assembly
55	66703C	Drier
56	66697C	Waste Line (Less Refrig. Unit)
57	66762C	Condenser
58	70002C	Screw - #10 x 1/2" Lg. HHSM
59	70009C	Screw - Fan Motor
60	70018C	Hex Nut
61	75718C	Screw - #8-18 Flat hd. Torx Drive
62	70444C	Clamp - Drain Gasket
63	70682C	Fitting - Tee 1/4"
64	70683C	Fitting - Union 1/4"
65	71014C	Screw - #10-16 x .50" HHHL
66	75532C	Screw - #10-16 x .63" THSM
67	75533C	Screw - #8 x .63 HHSM
68	75568C	Screw #12 x 1.50" HHSM
69	75583C	Fitting - Elbow 5/16" x 1/4"
70	75599C	Clip - Tinnerman
71	75663C	Screw - #10 x .50 HHSM
72	75621C	Spring - Pushbar
73	75625C	Screw - HTV Pushbar
74	75715C	Rivet - Push In Ratcheting
75	75716C	Finishing Plug
76	98169C	Kit - Replacement Cap/Screen/O-Ring
77	36090C	Ground Wire - Green

***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.

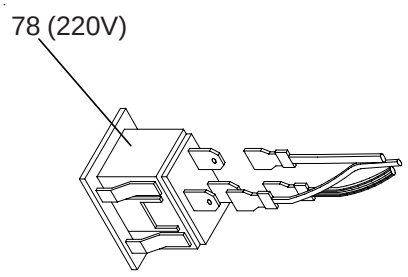
220V-50Hz PARTS LIST

ITEM NO.	PART NO.	DESCRIPTION
15	31431C	Fan Motor
20	36050C	Relay
21	36066C	Power Cord (Refrig. Unit)
22	36067C	Power Cord (Less Refrig. Unit)
23	36248C	Solenoid Valve
* 25	36085C	Compressor Serv. Pak
26	36195C	Overload
78	35826C	Power Inlet
NS	28350C	Bracket - Power Inlet

220V-60Hz PARTS LIST

ITEM NO.	PART NO.	DESCRIPTION
15	31431C	Fan Motor
20	36050C	Relay
21	36066C	Power Cord (Refrig. Unit)
22	36067C	Power Cord (Less Refrig. Unit)
23	36248C	Solenoid Valve
* 25	36092C	Compressor Serv. Pak
26	36174C	Overload
78	35826C	Power Inlet
NS	28350C	Bracket - Power Inlet

FIG. 20



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