INSTALLATION, CARE & USE MANUAL

PT-1359 Series Drinking Fountains /Water Coolers

IMPOR TANT

THIS IS AN INDOOR APPLICATION ONLY.
ALL SERVICE TO BE PERFORMED BY AN AUTHORIZED SERVICE PERSON.

TOOLS REQUIRED

BUT NOT PROVIDED:

SAFETY GLASSES
GLOVES
1-3/8"**HOLE PUNCH** (**PROVIDED**)
1/2"**DRILL BIT**
ELECTRIC DRILL
3/4"**WRENCH OR CRECENT WRENCH**
5/16"**NUT DRIVER**
UTILITY KNIFE
TAPE MEASURE
PENCIL
CENTER PUNCH
1/2"**SOCKET** & **RATCHET WRENCH**
5/32"**ALLEN WRENCH**

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. WE SUGGEST THAT THE BOTTLE FILLING STATION AND WATER COOLER BE PROTECTED BY A GROUND FAULT CIRCUIT INTERRUPTER (GFCI).

To insure you install these models 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 with the Fountain for future reference.

(Rev. A - 12/2014)

Pictured is unit only without bottle filler.

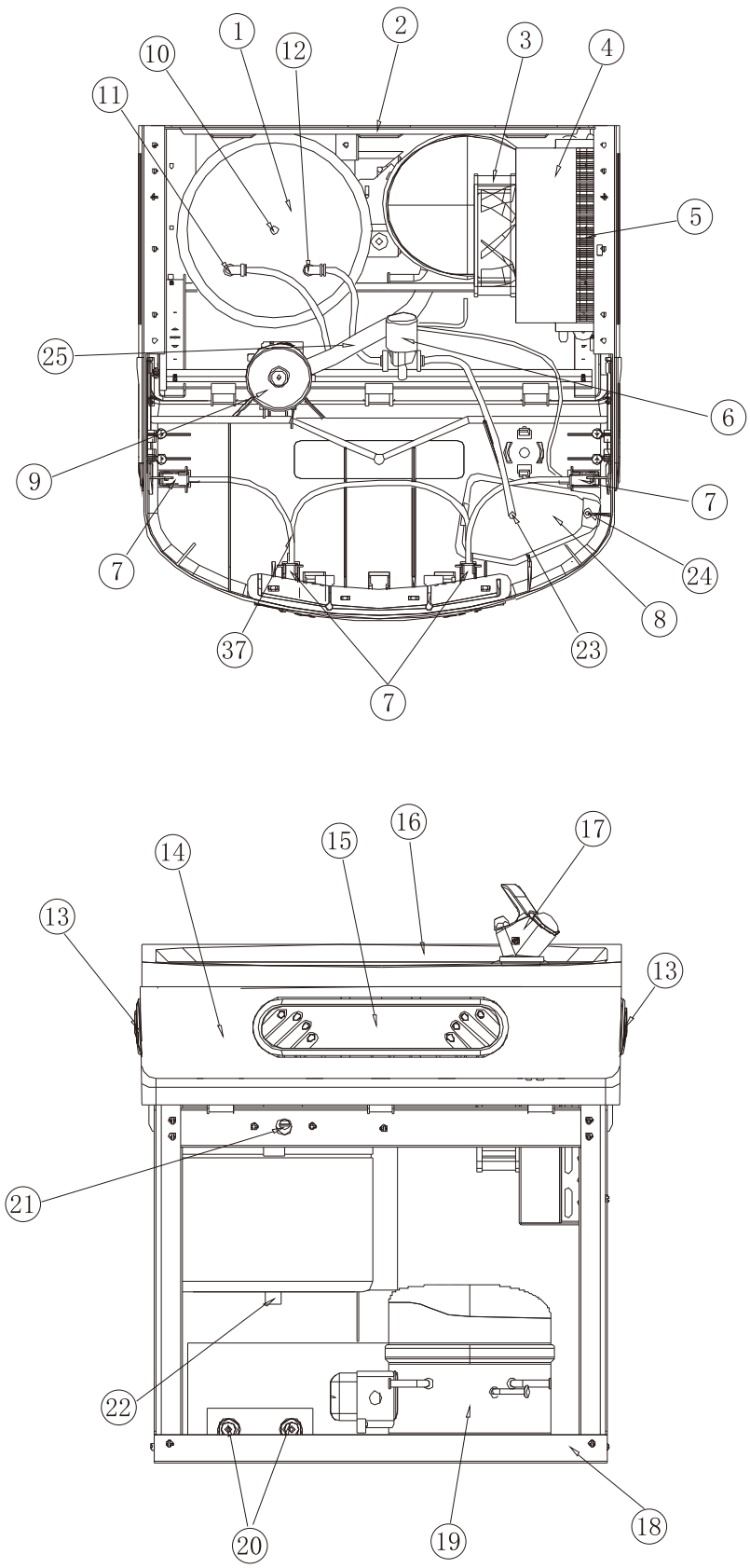

FIGURE 1

Item No.	Description
1	Evaporater
2	Hanger Bracket
3	Fan
4	Shroud-Fan
5	Condenser
6	Solenoid Valve
7	Switch-Electrical
8	Access Panel
9	Drainage Funnel
10	Orifice-Fill Ice Bank
11	Orifice-Water Inlet
12	Orifice-Water Outlet
13	Pushbar-Side
14	Upper Plastic Shroud
15	Pushbar-Front
16	Basin
17	Faucet-Bubbler
18	Lower Shroud
19	Compressor
20	Water Pipe Coupling
21	Cold Water Thermostat
22	Orifice-Overflow
23	Out Water Pipe
24	Retaining Screw(M5)
25	Waste Water Pipe
26	Bubbler Head
27	Stream Adjuster
28	Rubber Seal
29	Locknut
30	Non-return Pad
31	M10 Nut
32	Horn Pad
33	Stopper
34	Fastening Nut
35	1/4" PE Pipe
36	M4 Screw
37	Wiring Harness

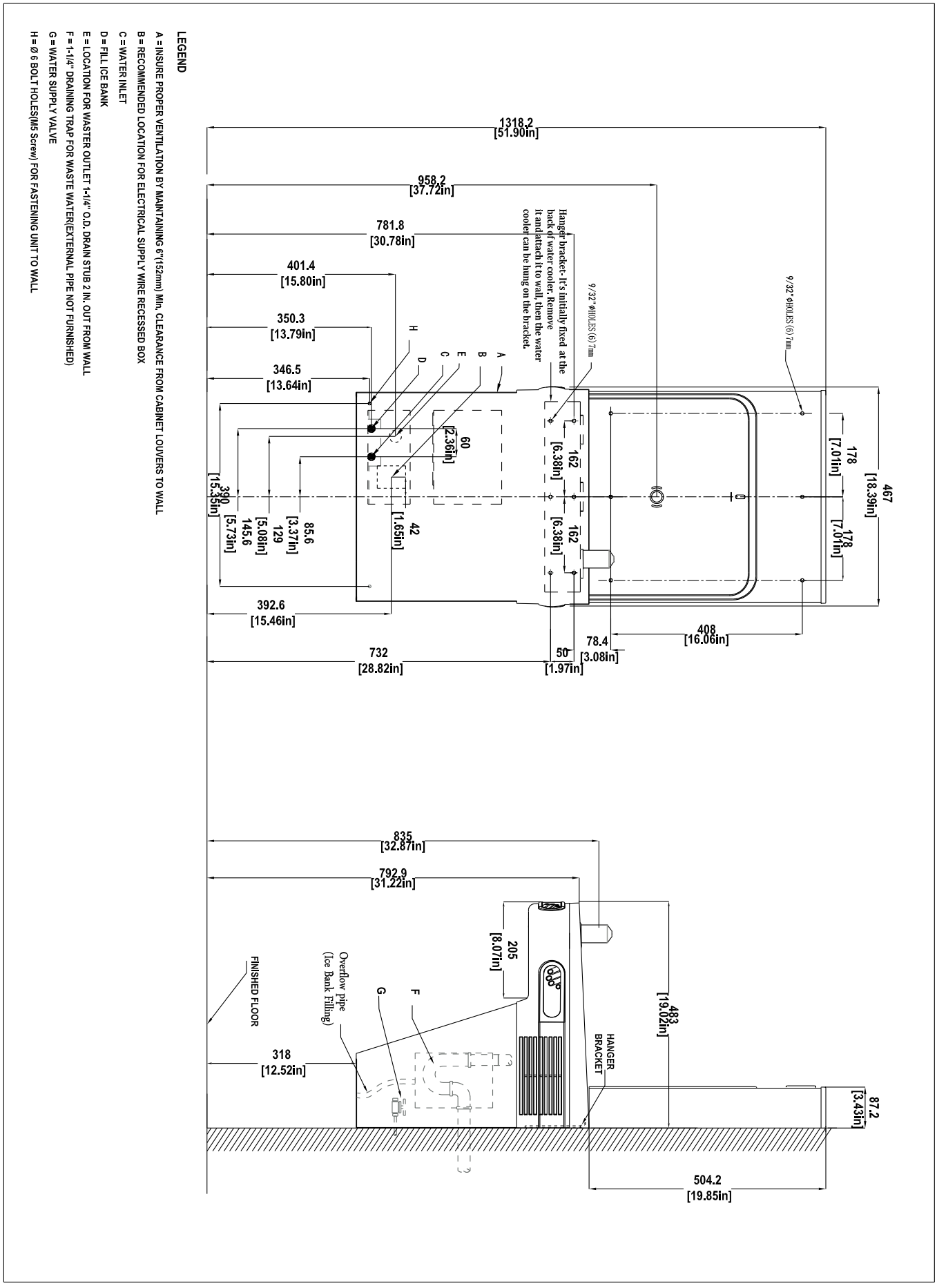
LEGEND
A = INSURE PROPER VENTILATION BY MAINTAINING 6"(152mm) Min. CLEARANCE FROM CABINET LOUVERS TO WALL
B = RECOMMENDED LOCATION FOR ELECTRICAL SUPPLY WIRE RECESSED BOX
C = WATER INLET
D = FILL ICE BANK
E = LOCATION FOR WASTER OUTLET 1-1/4" O.D. DRAIN STUB 2 IN. OUT FROM WALL
F = 1-1/4" DRAINING TRAP FOR WASTE WATER(EXTERNAL PIPE NOT FURNISHED)
G = WATER SUPPLY VALVE
H = Ø 6 BOLT HOLES(M5 Screw) FOR FASTENING UNIT TO WALL
1318.2 [51.90in]
958.2 [37.72in]
781.8 [30.78in]
401.4 [15.80in]
350.3 [13.79in]
346.5 [13.64in]
Hanger bracket- It's initially fixed at the back of water cooler. Remove it and attach it to wall, then the water cooler can be hung on the bracket.
9/32" ΦHOLES (6) 7mm
9/32" ΦHOLES (6) 7mm
60 [2.36in]
162 [6.38in]
162 [6.38in]
178 [7.01in]
178 [7.01in]
467 [18.39in]
390 [15.35in]
145.6 [5.73in]
129 [5.08in]
85.6 [3.37in]
42 [1.65in]
392.6 [15.46in]
732 [28.82in]
50 [1.97in]
78.4 [3.08in]
408 [16.06in]
835 [32.87in]
792.9 [31.22in]
205 [8.07in]
483 [19.02in]
FINISHED FLOOR
Overflow pipe (Ice Bank Filling)
318 [12.52in]
HANGER BRACKET
87.2 [3.43in]
504.2 [19.85in]

FIGURE 2

HANGER BRACKETS & TRAP INSTALLATION

1) Remove hanger bracket fastened to back of cooler by removing one (1) screw. SEE FIGURE 2.

2) Mount the hanger bracket to the wall.

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:

5-7/8 in. (150mm) 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 2.

4) Remove the four (4) screws holding the lower front panel at the bottom of cooler. Remove the front panel by pulling straight down and set aside, SEE FIG. 8, FIG.9,FIG.10.

WATER CONNECTION TO THE MAIN

5) Before making the water connection, make sure the mains water pressure is between 20 and 60 psi.

6) If the mains water pressure exceeds 60 psi, predispose a pressure reducer capable of reducing the latter to the 20~60 psi.

7) Connection to the mains water supply is carried out with the aid of 1/4 in PE tube provided(dia 1/4").

8) The tube terminals (1/2”×1/4”fitting) must be connected to the mains supply by means of a “water supply valve” G (not provided). SEE FIGURE 2.

FILLING INTERNAL ICE BANK(For Refrigerated Type Only)

9) Remove the white plugs marked" Fill Ice Bank".

10) Connect water supply tube into the connector "Fill Ice Bank".

11) Open the "water supply valve" G, let the water enter the ice bank slowly and fill the ice bank; once reach the right level, the exceeding water will run over the outlet of Overflow pipe, then close "water supply valve" G. After that, connect water pipe into coupling-- "water in" with proper pressure. SEE FIGURE 2.

Note: The connection of tank charge--"Fill Ice Bank" has to be disconnected.

12) Insert the white plug back to its original position(overflow).

DRAIN CONNECTION

The drain water is clean and it comes from the tray(basin) that collects any dripping during dispensing.Connect the drain pipe (O.D. 20mm) to drain with a drain-trap. If necessary, cut the pipe so as to avoid narrowing or rising or backflow problems.

CLEANING

Warm, soapy water or mild household cleaning products can be used to clean the exterior panels of the TB35 water coolers. Extra caution should be used to clean the mirror finished stainless steel panels. They can be easily scratched and should only be cleaned with mild soap and water or Windex glass cleaner and a clean, soft cloth. Use of harsh chemicals or petroleum based or abrasive cleaners **will void the Warranty.**

SERVICE INSTRUCTIONS

LOWER AND UPPER SHROUD

To access the refrigeration system and plumbing connections, remove four screws from bottom of cooler to remove the lower shroud. To remove the upper shroud for access to the pushbars, regulator, solenoid valve or other components located in the top of the unit, remove lower shroud, disconnect drain, remove four screws from tabs along lower edge of upper shroud, unplug two wires and water tube. SEE FIG.8, FIG.9 & FIG.10.

BUBBLER

Stream height is factory set at 45-50 PSI. If supply pressure varies greatly from this,readjust stream height to approximately 1-1/2" (38mm) above the bubbler guard by turning adjustment screw, which is just beneath the plastic shroud.

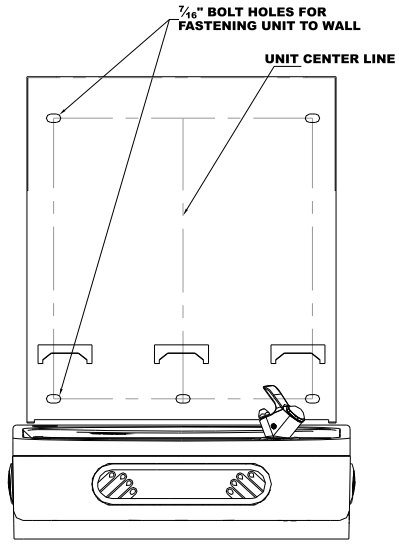

FIGURE 3

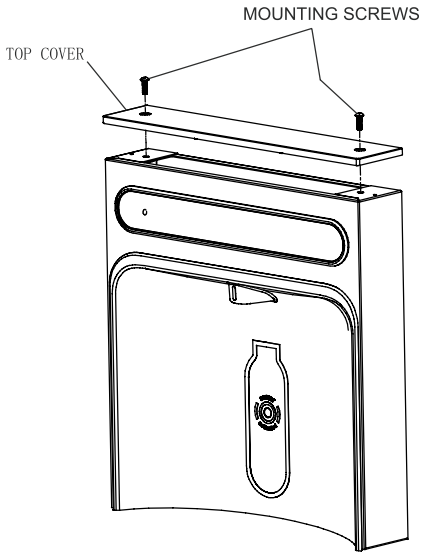

FIGURE 4

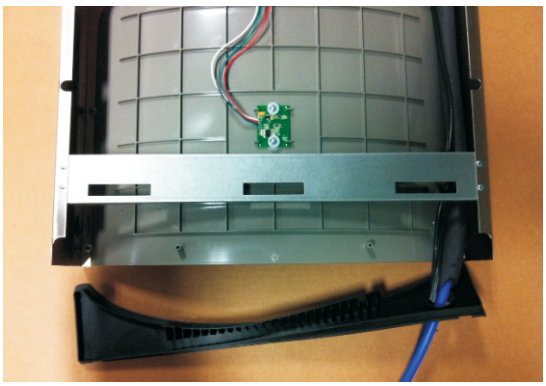

FIGURE 5

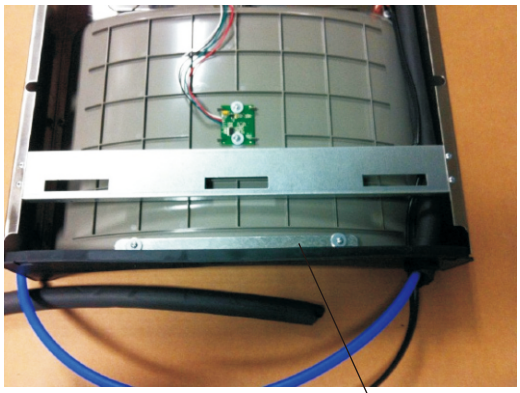

FIGURE 6

Bottle Filler Installation Instructions

1) Remove two (2) mounting screws with 5/32″ Allen wrench holding top cover to Bottle Filler (See Fig. 3). Remove top cover. Note do not discard mounting screws, they will be needed to reinstall top cover.
2) Remove wall mounting plate from Bottle Filler. Place wall plate against wall on top of basin. Center the wall plate side to side with the basin. Mark the six (6) mounting holes with a pencil (See Fig. 2).
3) Remove wall mounting plate from wall. **NOTE**: Mounting plate **MUST** be supported securely.Add fixture support carrier if wall will not provide adequate support.
4) Install wall mounting plate to wall using six (6) 7/16” obround mounting holes (mounting bolts not included) (See Fig. 6). Use appropriate fasteners for your wall type.
5) Feed power cord & 1/4″ water line through hole in tower/basin gasket (See Fig 5).
6) Install gaske t on bottom of bottle filler tower with gasket support bracket (See Fig 6).
7) Fish the wire (single units) up through basin hole & hole in gasket.
8) **For Single Model installations**: Attach the wire from cooler to the wire on the back of the unit.
9) Lay Bottle Filler on water cooler basin and cut insulation from tub even with bottom of gasket, remove this insulation from the 1/4″ tube, but do not discard. Fish the power cord and waterline through the hole on top of water cooler. NOTE: To prevent scratching the basin place a towel or soft cloth over the entire basin when working above it.
10) With the power cord, wire(s), and waterline through hole on top of water cooler place Bottle Filler on the three (3) angled tabs protruding from the wall mounting plate, installed on wall. Make sure round boss in gasket fits in hole of basin. (See Fig. 7).
11) Once Bottle Filler is installed on wall plate tabs, water line, wire(s) and power cord are installed properly, push top of Bottle Filler toward wall and line up top cover two (2) holes.
12) Reinstall Top Cover on Bottle Filler (See Fig. 4) with two mounting screws from step 1 above. Caution, do not over tighten screws.
13) Install remaining tube insulation to the water line from bottle filler, connect Bottle Filler waterline inside of the water cooler by connecting the 1/4” water line to the tee.
14) Turn water supply on and inspect for leaks. Fix all leaks before continuing.
15) Once unit has been inspected for leaks and any leaks found corrected, plug Bottle Filler and unit into wall. Be sure to reinstall fuse to the circuit or switch the circuit breaker back to the “ON” position.
16) Once power is applied to Bottle Filler, the RED indicator light should illuminate .
17) Verify proper dispensing by placing cup, hand, or any opaque object in front of sensor area and verify water dispenses. Note: the first initial dispenses might have air in line which may cause a sputter. This will be eliminated once all air is purged from the line.
18) Once unit tests out, install Lower Panel back on water cooler(s). Units are now ready for use.

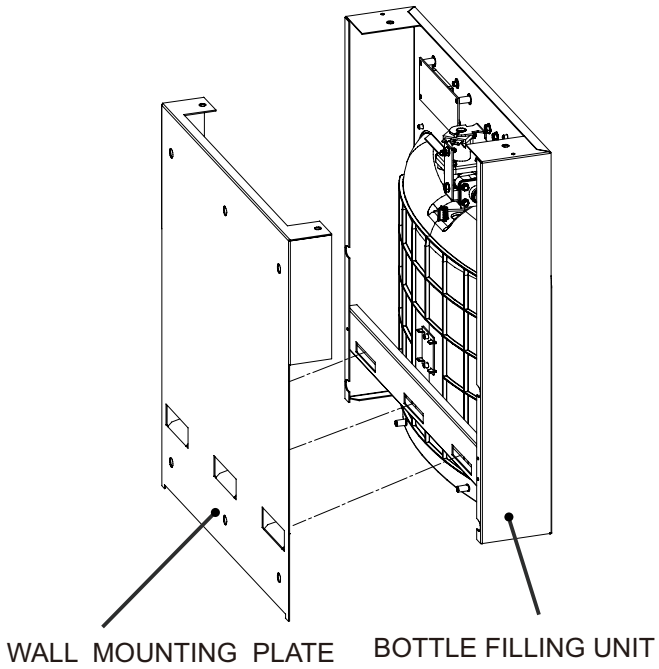

FIGURE 7

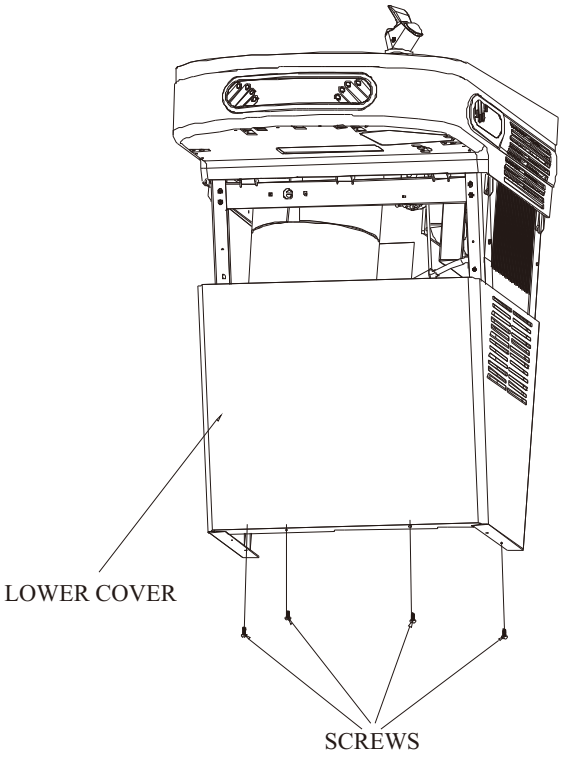

FIGURE 8

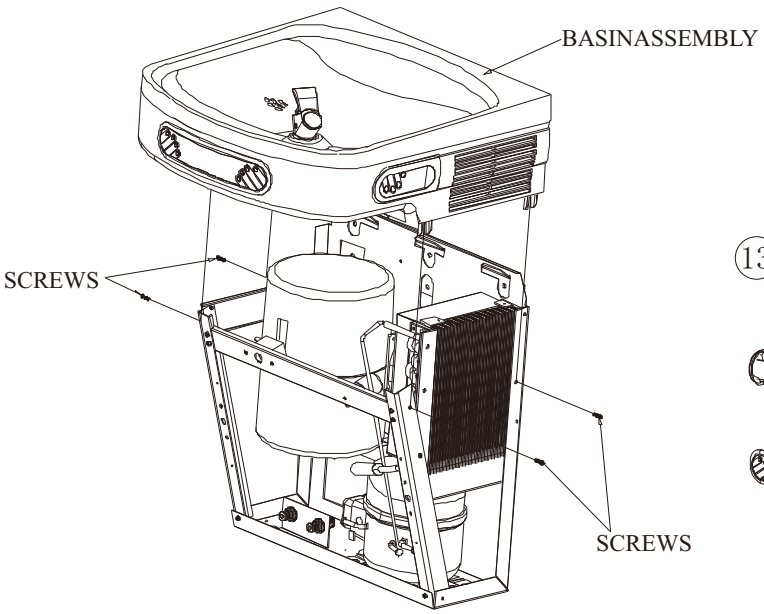

FIGURE 9

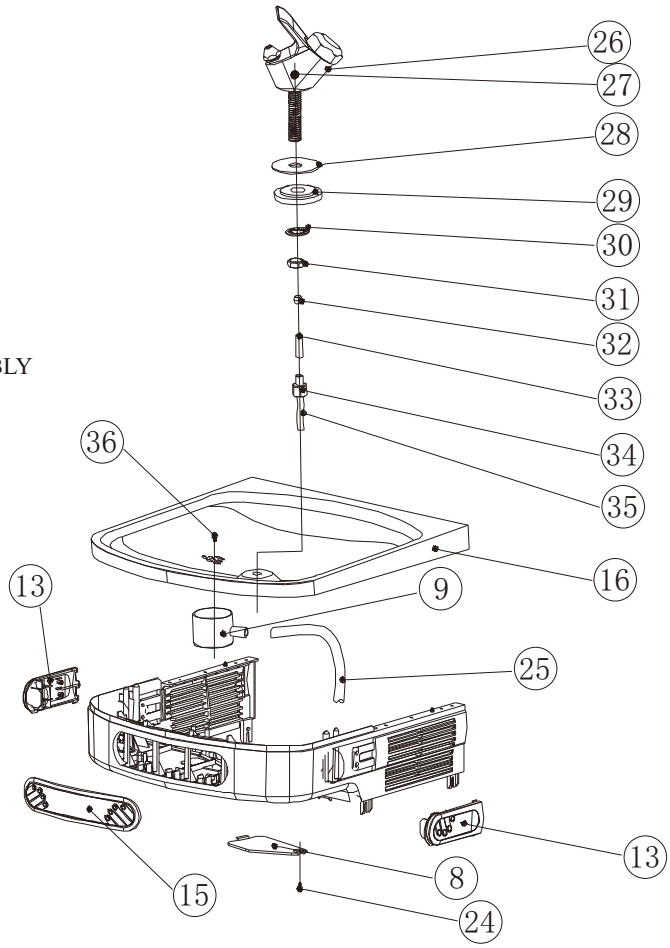

FIGURE 10