BLOOMFIELD

INTEGRITY™

Brewing Systems

OWNER'S MANUAL

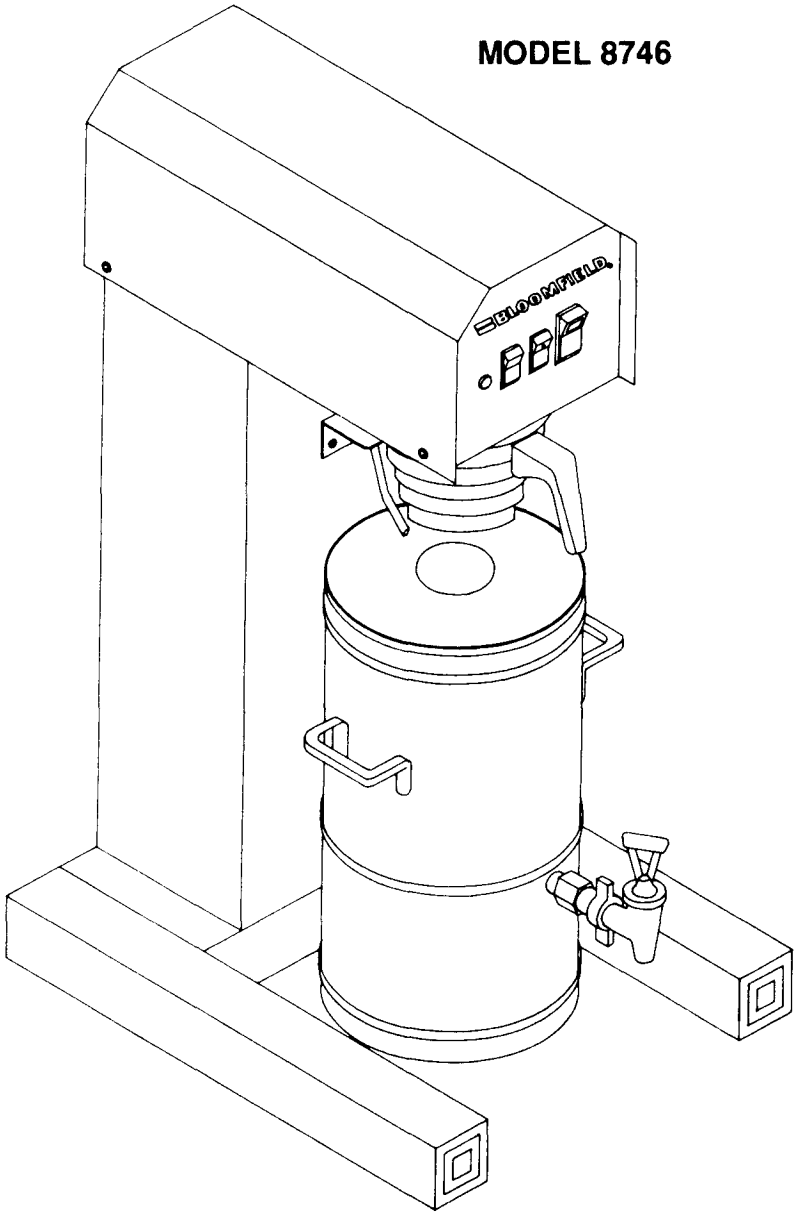
OPERATING INSTRUCTIONS
MAINTENANCE INSTRUCTIONS
and

PARTS LIST

FOR

ICED TEA

MODEL 8746



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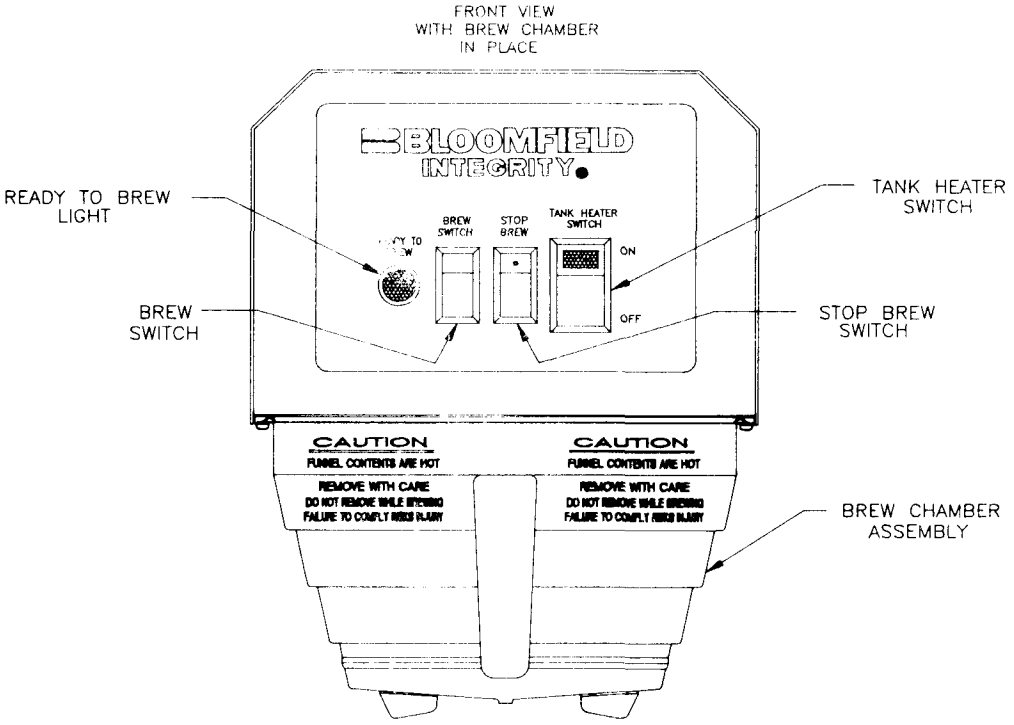


The INTEGRITY BREWERS have been designed with adjustment flexibility to cover a wide spectrum of customer needs. Adjustments on the running thermostat and inlet timer are simple adjustments easily accomplished by the purchaser, but NOT **COVERED UNDER ANY WARRANTY SERVICE AGREEMENT**. Brewers must be installed in accordance with installation instructions in the owner's manual for the warranty to be valid.

WARNING:
DO NOT PLUG IN OR ENERGIZE THIS UNIT UNTIL INSTALLATION INSTRUCTIONS ARE READ AND FOLLOWED.

INTRODUCTION TO THE UNITS

This manual covers the six (6) gallon tea brewer and the six (6) gallon tea dispenser.

1. The Model 8746 is the tea brewing section only and does not have a storage and/or dispensing reservoir as part of the unit.

2. The Model 8806 is the six (6) gallon stainless steel reservoir to hold the finish brew.

All brewers are shipped from the factory with:

1. A Stainless Steel Brew Funnel.
2. A Wire Grid to support the filter paper and
3. A 25 pack of Filter Papers, and
4. A Water Line Filter.

Electrical Requirements:

Unit requires a power source capable of supplying: 115 Volt, AC., 60 Hertz, Single Phase, 15 Amp. Service.

The unit is shipped from the factory with a 3-wire, 2-pole polarized power cord and cap attached.

Plumbing Requirements:

Unit must be installed on a water line with a flowing pressure between 20 PSI and 90 PSI. If water pressure does not fall into this range or varies greatly a pressure regulator should be installed in the water supply line.

SET UP

1. Carefully remove brewer and tea reservoir from cartons.

2. Set brewer in operating location and level, using adjustable legs.

3. Connect water line to 1/4" flare fitting on back of unit. Turn on water and check for leaks.

4. Make sure tank heater switch on front panel is in **OFF** position. *Bottom* portion of switch rocker should be pressed in.

5. Plug unit into 110-120 Volt grounded outlet, fused at 15 Amps.

6. Place reservoir under brewer.

7. Press momentary brew switch, to initiate brewing cycle.

   NOTE: Water will immediately begin to flow from dilute water spout

CAUTION: During this initial fill cycle, check level of water in reservoir. *Before* initiating another brew cycle, the reservoir must be emptied to prevent overfilling and flooding.

8. Repeat brewing cycles until water begins to flow from spray disc.

9. After end of final cycle, turn tank heater switch to ON position - top portion of switch rocker pressed in.

10. When tank water is up to proper temperature, the green READY TO BREW light will be lit.

    NOTE: During the initial heatup, some water will drip from spray disc. This is normal.

11. Discard all water in reservoir and brew one (1) additional cycle. *CAUTION!* Water dispensed from spray disc will be *HOT!* Watch out for splashing. If water level needs to be adjusted, see tea brewer adjustments.

12. Discard water in six gallon dispenser, place brew-through cover on dispenser then reposition empty dispenser on brewer.

13. Place filter and tea in brew chamber. Slide brew chamber into place on brewer.

14. Brewer is now ready for brewing tea.

BREWING

1. Place filter paper in brew chamber and add tea. Slide brew chamber into rails, pushing it to full back stop location.

2. Check to see that reservoir with cover is properly located to accept dilute water spout flow and brew chamber drain flow.

3. Press brew switch to initiate brewing cycle.

4. Dilute water will begin to flow immediately into reservoir. Brewed tea will begin to flow from brew chamber in about 20 to 30 seconds, and continue for approximately 10 to 12 minutes. Make sure drip-out is complete before removing brew chamber.

5. If for any reason there is a need to stop the brewing cycle before its completion, press the "Brew Stop" switch. This stops water flow to the brew chamber and the flow from dilute water spout. The timing cycle is also cancelled and timer resets to start.

6. Check level in reservoir - finished brew should be approximately 1" from top edge.

7. Brewed tea is now ready for use. If a change in strength is desired, add or reduce tea, to taste . preference and continue for approximately 10 to 12 minutes. Make sure drip-out is complete before removing brew chamber.

TEA BREWER ADJUSTMENTS

The brewer is factory adjusted to produce six (6) gallons of tea in a 1-5 ***brew*** to dilute water ratio. Should it become necessary to adjust for total volume, follow these steps below.

TIMER ADJUSTMENT (Total Volume Change)

1. Unplug unit.

2. Remove four (4) screws (2 on each side of cover) lift off cover to expose timer.

3. To brew more tea, turn knob slightly clockwise; to brew less, turn slightly counterclockwise.

4. Plug unit in and cycle unit. Check for required volume - repeat if needed, until desired volume is attained. Replace cover on brewer.

   Normal delivery should be six (6) gallons (766 ounces) of water.

5. *Do not readjust setting of needle valve!*

BREW WATER VOLUME ADJUSTMENT
(Ratio Change)

1. Follow steps 1 through 4 in Timer Adjustment Procedure.

2. Turn the handle of the needle valve clockwise IN (facing the valve stem and handle) to increase the ratio. This causes more water to be diverted to the dilute flow, and less to the brew. A counter-clockwise *OUT* rotation will do the opposite.

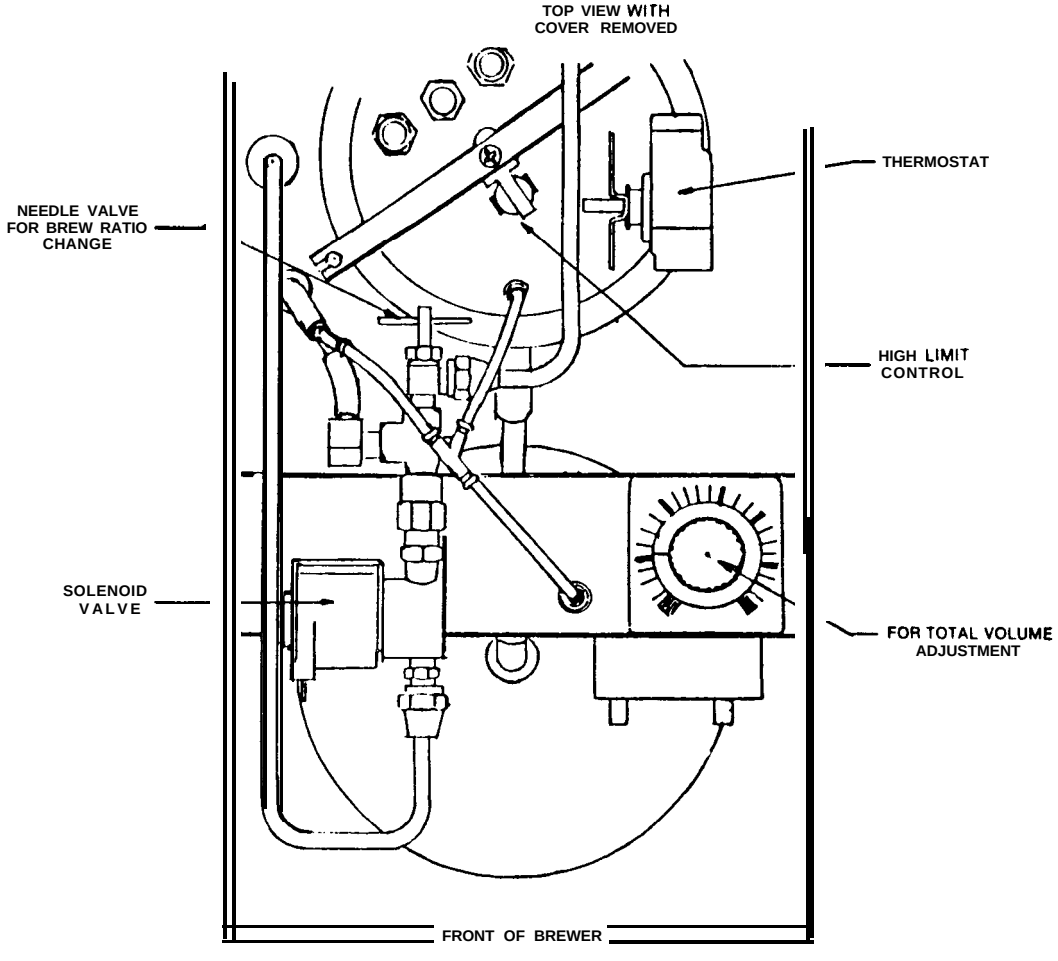
3. Adjustments must be made in 1/4 turn increments to avoid drastic changes. One (1) full turn in either direction is the maximum advised. Average factory setting is two full turns counter-clockwise from a fully closed position.

4. Water flow from spray disc and dilute spout should be measured separately to determine that the desired ratio has been achieved.

   NOTE: If flow from spray disc is very weak and slow in starting, the ratio adjustment made is starving the brew water flow.

   If, however, water flows from the vent tube, located next to the spray disc assembly, then the ratio of water for brewing is too great. It is advisable that the spray disc and vent tube be viewed after an adjustment has been made.

5. After desired adjustments have been made, a complete brew should be made to insure quality of finished product.



REPLACEMENT PARTS LIST - OF BREWING UNIT

MODEL 8746

REF. NO.	PART NO.	DESCRIPTION
1	8543-52	#08x3x8 B.PN.P.SS
2	8746-12	BASIN TOP WELDED
3	7200-6X	#O8-32 X 5/16 PN.P.SS
4	8043-5	HOLD DOWN STRAP ASSY
	8043-47	#10-32 X 1 PN.P.SS
6	8543-69	SHORTY BUSHING-HEYCO
7	8812-49	TUBE, CONNECTOR
8	8746-38	WATER OUTLET TUBE
9	8043-13	SPRAY ELBOW
10	8746-5 1	12 MINUTE TIMER 120V
11	8746-13	BASIN WELDED ASSY
12	8706-9	WIRE RACK
13	8707-3	#1O-32 X 5/16 HEX HEAD
14	8707-2	BASKET HANDLE
15	88 12-760	BREW CHAMBER STAMPED
16	8543-42	SPRAYHEAD GASKET
17	8543-44	SPRAYER DISC
18	8718-31	PILOT LT. GREEN, 125V
19	8707-28	BREW SWITCH, ROCKER
20	8812-79	SWITCH, MOMENTARY NC
21	8707-34	SWITCH, LIGHTED 12OV
22	8543-23	TINNERMAN NUT
23	8746-22	BODY WELDED ASSY
24	8746-16	WATER SPOUT ASSY
25	88 12-56	MALE HOSE BARB FTG.
26	8812-15	HOSE 1-1/2" LONG
27	88 12-54	FTG. NYLON Y 1/4 X 3/16
28	8746-59	SPOUT CONN. HOSE 3#
29	8710-10	NUT 7/16-20 X 1/8
30	88 12-57	UNION 1/4X 1/4M FLR.
31	8810-70	WASHER-RESTRICTOR
32	851 4-26	NEEDLE SEAT VALVE
33	8746-52	TANK INLT. TUBE ASSY
34	8812-55	PIPE TEE
35	8596-1240	1/4 x 1/8 FPT. REDUCER
36	8706-20	VENT TUBE
37	8043-15	VENT TUBE
38	8541-120	SOLENOID VALVE, 12OV
39	8706-160	CONNECTOR
40	8746-50	TUB. ASSY. VALVE INLT
41	8746-34	WATER TANK, 6 GAL TEA
42	7510-22	NUT, 1/2-24
44	8812-70	WASHER-BACK-UP
45	8812-41	OUTLET ELBOW ASSY
46	8043-506	#8-32 HEX ACORN NUT
47	8746-36	FILL TUBE ASSEMBLY
48	9102-9	HTG. ELEM, 12OV, 1675W
49	8551-53	S.S. WASHER
50	8942-33	GASKET, FILL TUBE

REPLACEMENT PARTS LIST (continued)

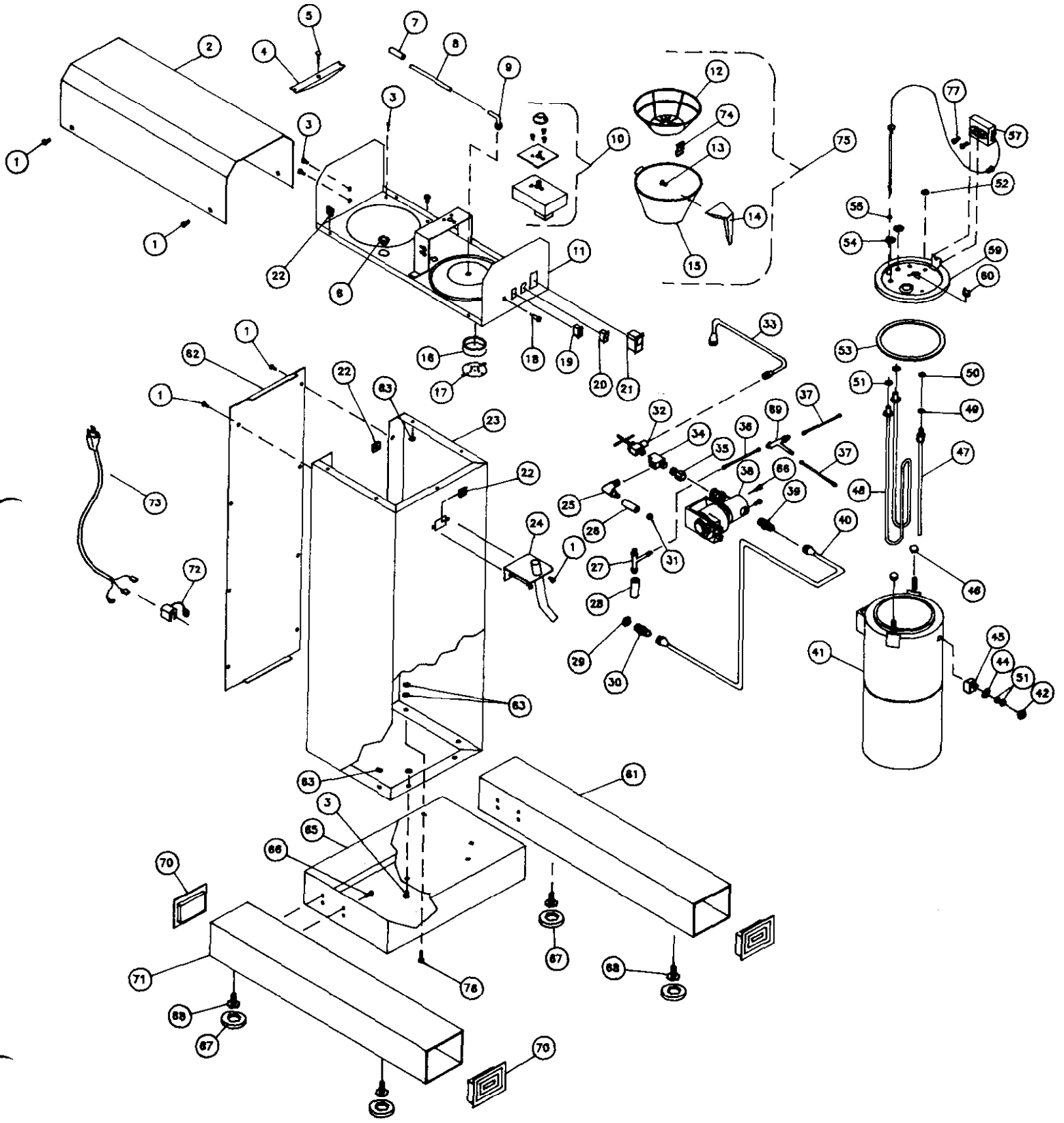
REF. NO.	PART NO.	DESCRIPTION
51	8043-30	HTG ELEMENT GASKET
52	8710-10	NUT 7/16-20 X 1/8
53	8043-12	TANK COVER GASKET
54	8043-28	NUT, HEX /2-20 2B
55	8512-41	SEAL WASHER
57	8512-51	THERMOSTAT - R. SHAW
59	88 12-34	TANK COVER. WELDED ASSY
60	8043-83	HI-LIMIT THERMOSTAT
61	8746-28	LEG (LEFT)
62	8746-21	BACK PANEL
63	8942-92	NUT, #8-32 KEPS HEX
65	8746-30	TEA 6 G STAND BASE
66	D 20002-3	#10-32 X 5/16 PN.P.SS
67	8033-56	LEG LEVELER CAP
68	8033-55	LEG LEVELER
69	88 12-47	FITTING, NYLON Y3/16
70	8746-27	END CAP FOR LEG
71	8746-29	LEG (RIGHT)
72	35-210	CORD, GRIP, HEYCO LG
73	8942-48	CORD & CAP - (12OV)
74	8812-73	BREW BASKET CLIP
75	8812-80	BREW CHAMBER ASSY
76	7506-39	#8-32 X 1/2
77	3-100	SCREW 6-32 X 1/4 R.H.

ITEMS NOT SHOWN

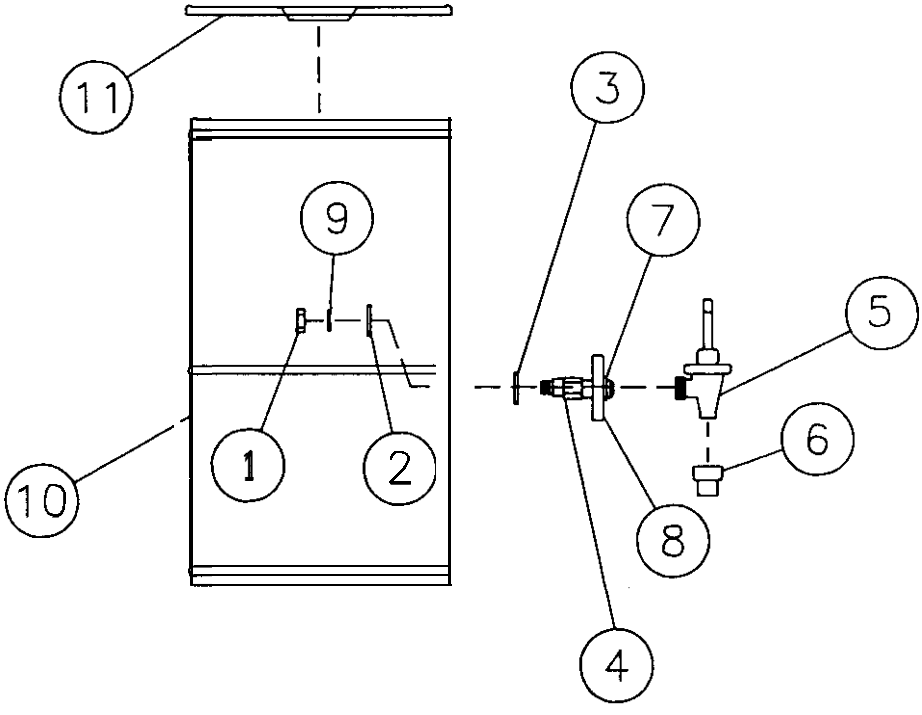
PART NO.	DESCRIPTION
8747-8	BASIN FRONT LABEL (LUZIANNE)
8541-120JS	SOLENOID REPAIR KIT
8541-120KS	SOLENOID OVERHAUL KIT

EXPLODED VIEW - OF BREWING UNIT

MODEL 8748



EXPLODED VIEW
FOR
RESERVOIR AND DISPENSER
SECTIONS OF MODEL NO. 8808



MODEL NO. 8806
Model Without Slght Glass

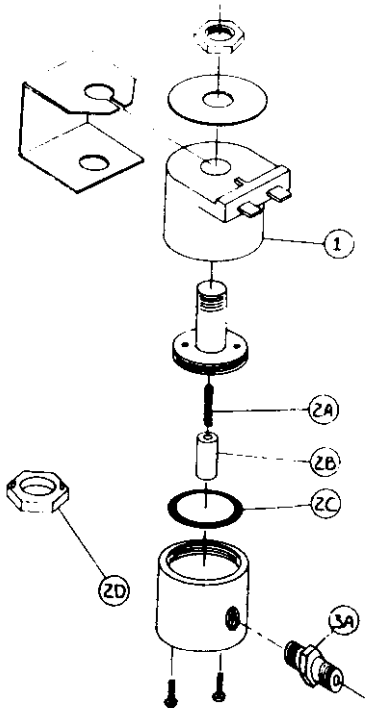
REPLACEMENT PARTS LIST

REF NO.	PART NO.	DESCRIPTION
1	8600-50	Nut
2	8600-28	Flat Washer
3	8600-12	Nylon Washer
4	8600-8	Shank
5	8600-15	Faucet ONLY, Plastic
6	8700-25 L	Seat Cup
7	8600-26	"C" Ring
6	8600-27	Wing Nut
9	6942-33	Gasket
10	6606-I	Vessel
11	8806-5	Cover
12	66061	Label ("Luzianne" - not shown)

ADDITIONAL SERVICE INFORMATION

COLD WATER ENTRANCE SOLENOID VALVE PART NO. 8541-120

(Consists of Valve and Flow Control)



SOLENOID VALVE REPLACEMENT PARTS

(For Black Coil Valve)

(No Kit Parts Sold Separately)

(1) 8541-120CS Coil Assembly 120V.

(2) 8541-120K Solenoid Repair Kit
Vacuum Pac consists of:
(2A) Spring
(2B) Plunger
(2C) Seal Ring

(3) 8541-120JS Solenoid Repair Kit
Vacuum Pac consists of:
(2A) Spring
(2B) Plunger
(2C) Seal Ring
(20) Service Wrench

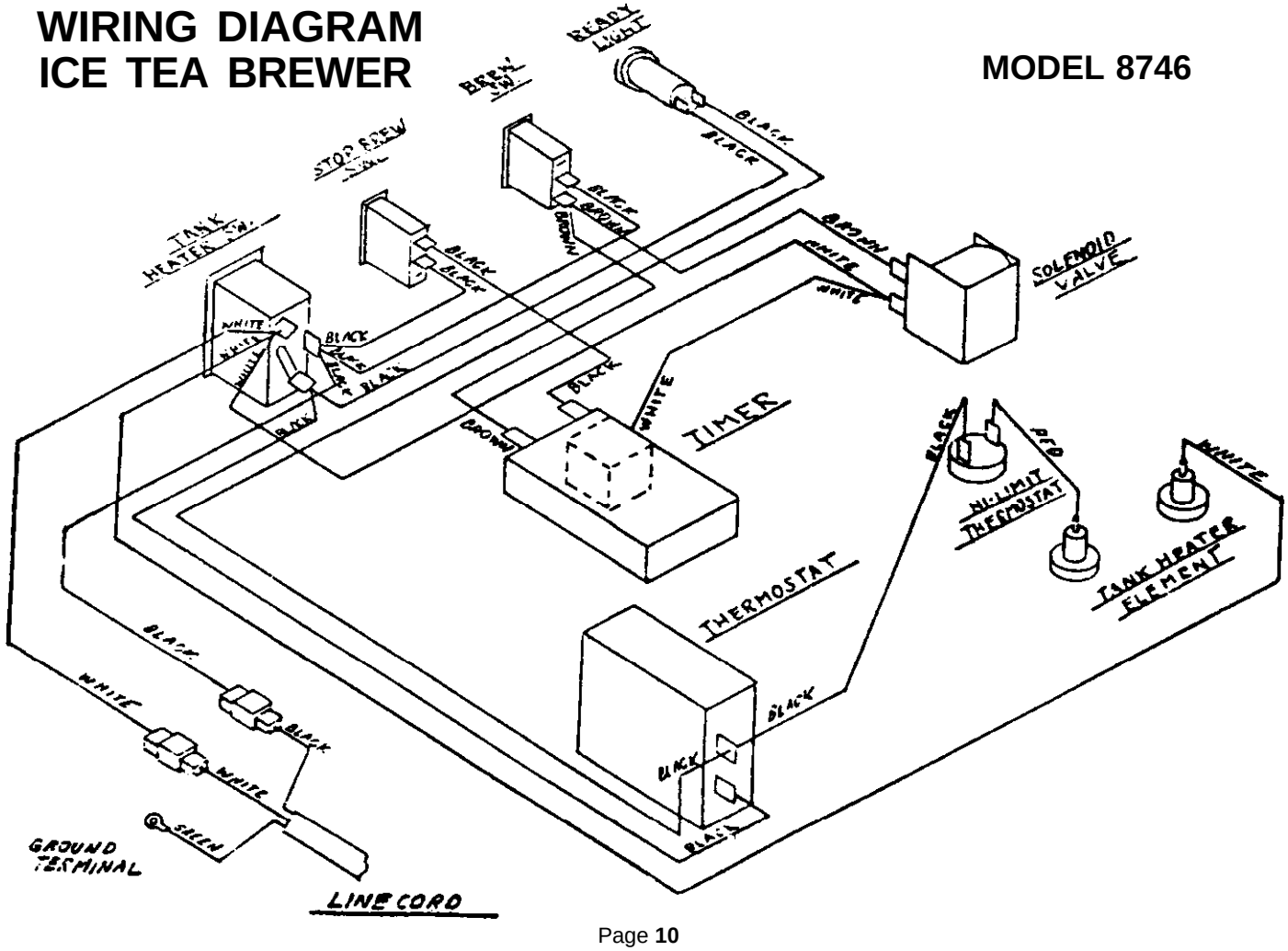
(4) 8541-120KS Solenoid Overhaul Kit
Vacuum Pac consists of:
(2A) Spring
(2B) Plunger
(2C) Seal Ring
(20) Service Wrench
(3A) Flow Control

(5) 8541-120F (3A) Flow Control

(6) 8541-120WS (2D) Service Wrench

WIRING DIAGRAM
ICE TEA BREWER

MODEL 8746



WARRANTY

For a period of one (1) **year** from date of installation, **all** defective parts on Bloomfield equipment will be replaced free of charge, providing parts did not become defective through accident, neglect, improper installation, mishandling or damage in transit. The service necessary to replace these defective parts will also be free of charge, provided this service is performed by an authorized BLOOMFIELD service station, wherever authorized service is available.

BREWER WARRANTY IS VOID IF:

Other than genuine Bloomfield replacement parts are used.

Brewer is plugged into voltage other than specified on serial plate.

Tank heating element is energized before water tank is filled.

Recommended Bloomfield servicing procedures are not followed.

How to Order-

Individual users and owners must order replacement parts thru their distributors or the local authorized service station.

Terms - Prices, terms, designs, materials, weights, specifications and dimentions for equipment or parts are subject to change without notice.

Service Information - To obtain service assistance in addition to that contained in this manual, call Bloomfield's toll free number (800) 621-8556.

Be prepared to give the Model and Serial Numbers of your brewer, as well as the problem and the trouble-shooting steps already taken, to the service technician when calling for assistance.

=BLOOMFIELD

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PRINTEO IN U.S.A.

INSTALLATION INSTRUCTION

FOR BASE EXTENDER KIT #83334

FOR MODEL 8748
TEA BREWER

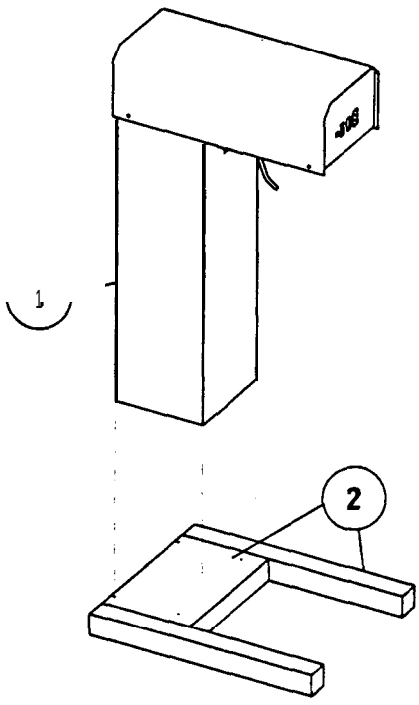

FIGURE A

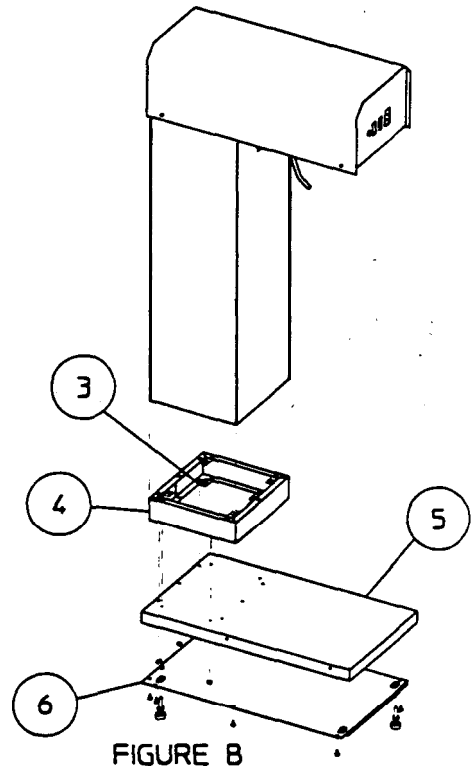

FIGURE B

ELECTRICAL **SHOCK HAZARD: Turn off the Tank Heater Switch and disconnect power supply to Brewer before removal of any panel. Electrical shock will cause death or serious Injury.**

CAUTION: **Wait until the water in the tank has cooled down to room temperature before Installing this Kit. Failure to comply will cause severe burns.**

STEP 1: Remove the Screws from the Back Panel (ITEM 1). Remove the Back Panel. (FIG A)

STEP 2: Drain Tank.

STEP 3: Set the Brewer on It's side and remove the Bottom Base and Legs (ITEM 2). (FIG A)

STEP 4: Locate the Base Extender (ITEM 4) and the Speed Nuts (ITEM 3) included in the Kit. Push the Speed Nuts onto the top and bottom flanges at each hole location. (FIG B)

STEP 5: Orient the Base Extender (ITEM 4) with the seam to the rear, the Bottom Base (ITEM 5) and the Bottom Panel (ITEM 6) included in the Kit as shown on the exploded view (FIGURE B). Make sure all the holes line up. Mount the Extender first, then the Base and Bottom Plate with the Screws included in the Kit.

STEP 6: Replace the Back Panel (ITEM 1).

FOLLOW THE INITIAL INSTALLATION INSTRUCTION IN THE 8746 MANUAL FOR PROPER BREWING.