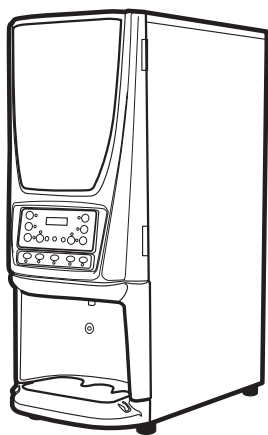




WILBUR CURTIS COMPANY, INC.

Service Manual – Expressions Multi-flavor



Model Included:

■ EXPR



WARNING HOT LIQUID, Scalding may occur. Avoid splashing.



CAUTION: Use this setup procedure before attempting to use this appliance. Failure to follow the instructions can result in injury or the voiding of the warranty.



CAUTION: DO NOT connect this unit to hot water. Inlet valve not rated for hot water.

Important Safeguards/Symbols

This equipment is designed for commercial use. Any servicing other than cleaning and routine maintenance should be performed by an authorized Wilbur Curtis Company Service Technician.

- DO NOT immerse the unit in water or any other liquid
- To reduce the risk of fire or electric shock, DO NOT open service panels. There are no user serviceable parts inside.
- Keep hands and other items away from hot areas of the unit during operation.
- Never clean with scouring powders or harsh chemicals.

Symbols



WARNINGS – To help avoid personal injury



Important Notes/Cautions – from the factory



Sanitation Requirements

This Curtis Generation 3 Unit is Factory Pre-Set and Ready to Go Right from the Box.

Following are the Factory Settings for your Expressions Multi-flavor Beverage System:

- Tank Temperature = 190°F
- Dispensing Mode Set for Manual Dispense

Generally there will never be a reason to change your G3 programming. However, should you need to make slight adjustments to meet your dispensing needs, programming instructions are provided later in this manual.

System Requirements:

- Water Source 20 – 90 PSI (Minimum Flow Rate of 1 GPM)
- Electrical: See attached schematic for standard model or visit www.wilburcurtis.com for your model.

SETUP STEPS

1. The unit should be level (left to right - front to back), on a secure surface.
2. Connect the water line to the water inlet fitting on the rear of the unit. Water volume flow to the machine should be consistent. Use tubing sized sufficiently to provide a minimum flow rate of one gallon per minute.

NOTE: A water filtration system must be used to help maintain trouble-free operation. **Air must be purged from the cartridge prior to connection to equipment.** In areas with extremely hard water, we highly recommend the use of a Curtis approved water filter. For our full line of filters, please log on to www.wilburcurtis.com.



NSF International requires the following water connection:

1. A quick disconnect or additional coiled tubing (at least 2x the depth of the unit) is required so that the unit can be moved for cleaning.
2. This unit must be installed with adequate backflow protection to comply with applicable federal, state and local codes.
3. Water pipe connections and fixtures directly connected to a portable water supply shall be sized, installed and maintained in accordance with federal, state, and local codes.

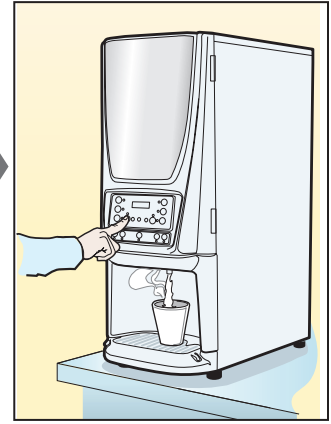
3. Connect the unit to electrical outlet with appropriate amperage rating (see serial tag on machine).
4. Once power has been supplied to the unit, flip the toggle switch to the 'ON' position (located on the rear of the unit), the water tank will begin to fill. When the water level in the tank reaches the probe, the heating element(s) will turn on.
5. Water in the heating tank will require approximately one hour before reaching operating temperature (factory setting of 190°F). Where applicable, turn on the Universal Control Module (UCM). When the unit reaches operating temperature, it will display "READY TO BREW".

ISO 9001:2008 REGISTERED

WILBUR CURTIS CO.
Montebello, CA 90640
For the latest information go to
www.wilburcurtis.com
Tel: 800/421-6150

Operation Instructions

1. Place your cup under the spout.
2. Decide on a flavor and press the dispensing button for this flavor. Hot cappuccino drink will flow from the dispensing spout into the cup.
3. Be sure to release the button when the cup is about $\frac{3}{4}$ full. Hot liquid continues to flow for about four seconds after releasing. This is to clear the whipper chamber of remaining product.



Fill Canisters Daily

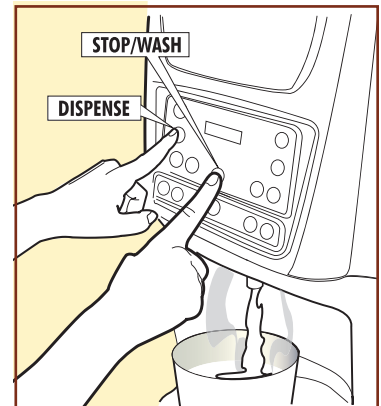
1. Open the front door to access canisters.
2. Rotate the powder delivery elbows upward.
3. The canisters must be removed from the unit for filling. To remove, lift canister slightly while pulling back off the canister tray.
4. Refill all canisters with product, then reposition them on the machine, aligning the gear socket with the gear on the motor shaft.
5. Rotate the powder delivery elbows downward and close the front door.

Cleaning the Curtis Multi-flavor Beverage Dispenser

CAUTION - Do not use cleansers, liquid bleach, powders or any other substance containing chlorine. These products promote corrosion and will pit the stainless steel. THE USE OF THESE PRODUCTS WILL VOID YOUR WARRANTY.

I. EVERY 3 - 4 HOURS OR MORE OFTEN IF NECESSARY

- A. Make sure power is ON.
- B. Catch rinse water. Place a container on top of the drip tray, below the dispensing spout.
- C. Locate the WASH button on the front control panel. Rinse each flavor by pressing and holding the WASH button, at the same time pressing one of the PUSH dispensing buttons on the control panel. Continue holding WASH until the rinse water runs clear.
- D. Dispose of rinse water container and its contents.

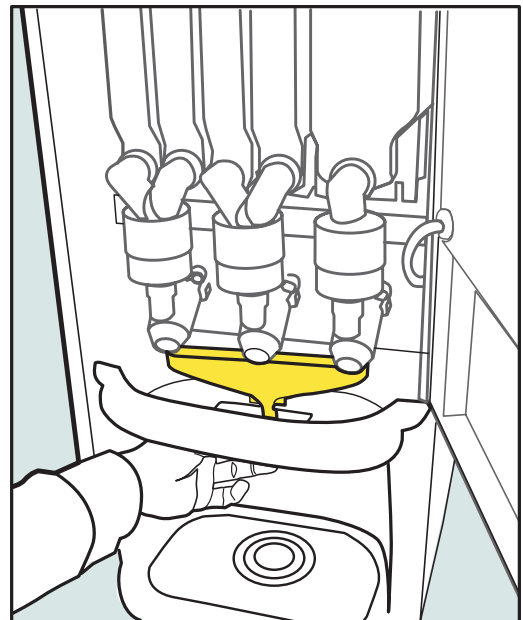


II. DAILY Refer to the daily cleaning instructions on the inside of the front door, see illustration below.

- A. Switch OFF the unit at the power toggle switch, located behind the unit.
- B. Wipe all exterior surfaces with a dampened cloth, removing any spills, residue or dust from the unit.
- C. Remove the drip drawer and louvered screen; then wash out its contents. For hard to clean deposits, use a mild, non-abrasive detergent. Rinse with water.
- D. Wipe and clean the dispensing area with a mild detergent cleaner.
- E. Switch ON the unit at the toggle switch.

III. WEEKLY OR MORE OFTEN IF NECESSARY

- A. Open the front door to locate the whipper assembly. Disassemble and clean the whipper chamber parts with warm water and a mild detergent.
 1. One at a time, lift each canister slightly and rotate the delivery elbow to point upward.
 2. Remove the manifold, pulling back on the spout to release it from the alcove, (illustration right).
 3. Remove the upper mixing cup. Pull cup forward, twist to the left and lift it to separate the upper mixing cup from the lower mixing cup.
 4. To remove the lower mixing cup, pull mixing cup up and forward to free it from the hot water inlet fitting.
 5. Remove the dispensing nozzle from the whipper chamber. Clean the inside using a narrow brush.
 6. Remove the whipper chamber.



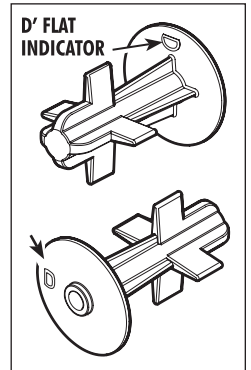
- a. Take hold of the whipper chamber with one hand while holding the whipper mounting plate with the other. Turn it clockwise to free it from the mounting plate.
 - b. Remove whipper chamber from the unit and clean it thoroughly.
7. Pull the whipper propeller from the motor shaft and clean it.



IMPORTANT - When replacing the propeller, make sure the propeller is properly aligned and seated on the motor shaft. Some propellers may have an indicator; a wide, flat surface to lineup with the flat on the shaft (illustration, right).

The newer propellers have an embossed D', indicating how to position the propeller on the motor shaft. Failure to push the propeller in all the way will cause the propeller to fuse with the whipper chamber. This condition will not be covered under warranty.

8. Clean the mounting plate.
 - a. Clean the shaft with a cloth and mild detergent before removing mounting plate.
 - b. Twist the mounting plate clockwise and pull it from the motor shaft.



IMPORTANT - Do not remove pillars to take off mounting plate.

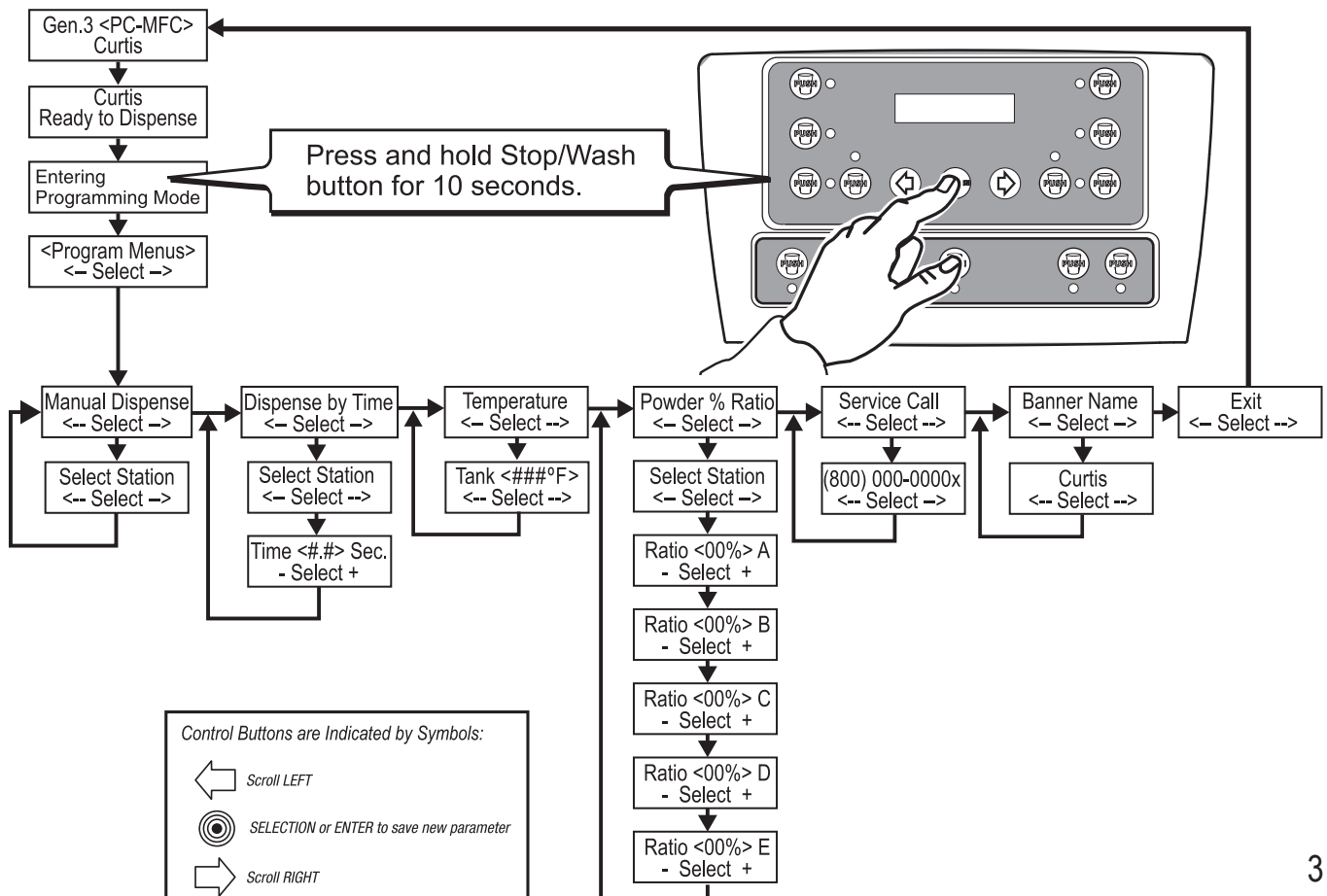
- c. Clean the area behind the mounting plate.
 - d. Clean the water inlet fitting.
 - e. Lubricate the center seal of the mounting plate before reinstalling.
9. Wash and rinse all parts that were removed for cleaning.
10. Allow parts to dry. Assemble the whipper assembly and close the front door.
11. The unit is ready for use.

Steps to Programming

Your Curtis Generation 3 Multi-Flavor Dispenser is Factory Pre-Set for Optimum Performance. Entering the Programing Menus

Press and hold STOP/WASH for about ten [10] seconds until display reads Program Menus (See Illustration). Release button.

Scroll through menu using → or ← control button. Select menu items you wish to enter with the Stop/Wash button.





Program Menus



Manual Dispense (Factory Default)

Press  or  to go to Manual Dispense Select.

Press  to go to Manual Dispense Select Station.






Choose the station and press, the display will read Saving Complete! To select another station for manual dispense, press  to go to Manual Dispense Select Station or press  to continue to the next menu.

Dispense By Time


The next screen is Dispense By Time  Select .







Before making this adjustment and to avoid guessing the time, run a stop watch on the time it takes to fill a cup in the Manual Dispense mode. Use the timed results to determine your Dispense By Time setting.


Press  and all station indicator lights will flash. Select a station to program by pressing the PUSH button on your chosen station. Screen will show the current setting (from 0.0 to 30.0 seconds, in ½ second increments). Press to  increase the time or  to decrease. To set, press  and you will exit back to Dispense by Time screen. Continue with additional selections or press  to continue to the next menu.






Temperature (Factory set at 190°F)

Press  and screen will show Tank Temperature. Temperature is programmable from 170°F to 204°F in 2-degree increments.





Press  or  to go up or down in degrees. Select desired temperature and then  to set. Press  to continue to the next menu.

Powder % Ratio


Press  and the screen will display Powder Ratio Select Station. This is shown as A, B, C, D and E, corresponding to canisters, arranged left to right (when facing the machine), starting with A. Press desired station. Powder ratio for each canister flavor is programmable from 0% to 100%, in 5% increments.


Press  or  to increase or decrease ratio and then press  to set. Press  to continue to the next canister. After E the screen returns to Powder Ratio. Press  to continue to the next menu.

Service Call (Phone number)


Press  to display number and press  change number or  to move places and EX to exit when complete This number will be displayed during a Heating system SENSOR ERROR or a WATER ERROR. Press  to continue to the next menu.

Banner Name

Press  to display letters, press  to change letters or  to move places and EX to exit when complete.

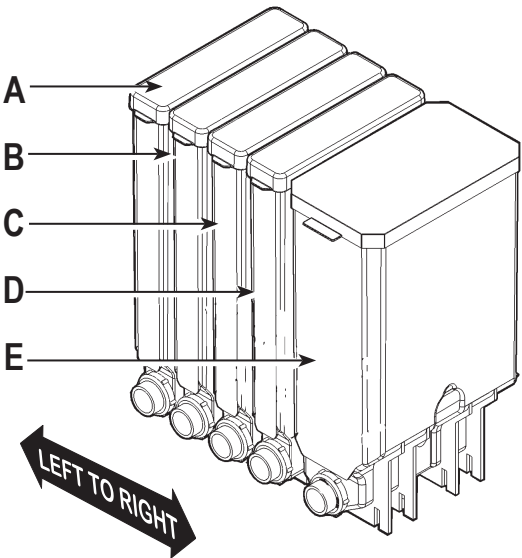
This feature allows up to 14 letters to be programmed for company name or regional name. Programming all blanks disables Banner Name. If programmed, Banner Name is displayed every 5 sec. on and off. Press  to continue to the next menu.

Exit

Press  to select, exits program mode and returns unit to operation.

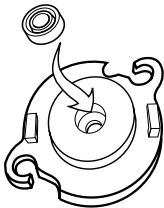
Configuration of Canisters

MODEL	10 LB. CANISTER P/N CA-1113-06R	ULTRA-SLIM P/N CA-1142-07
EXPR	ONE	FOUR

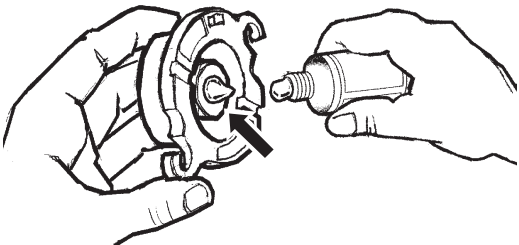


Whipper Plate – Shaft Seals

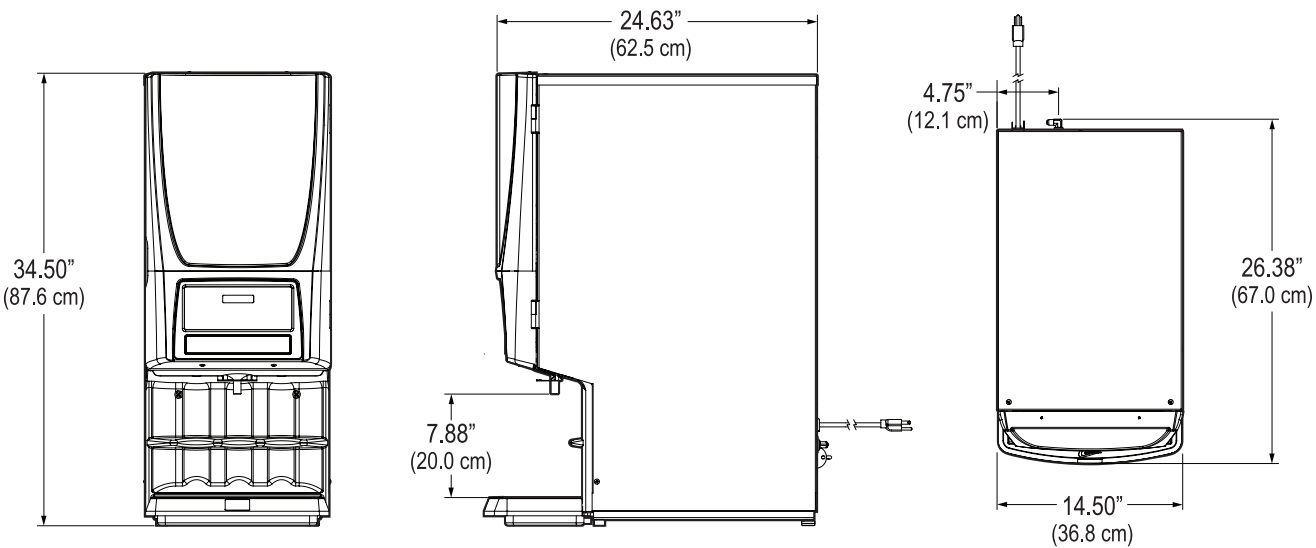
Shaft seals should be replaced with the grooved side facing outward. Place a dab of food grade lubricant in the rear hole of the seal, as shown below.



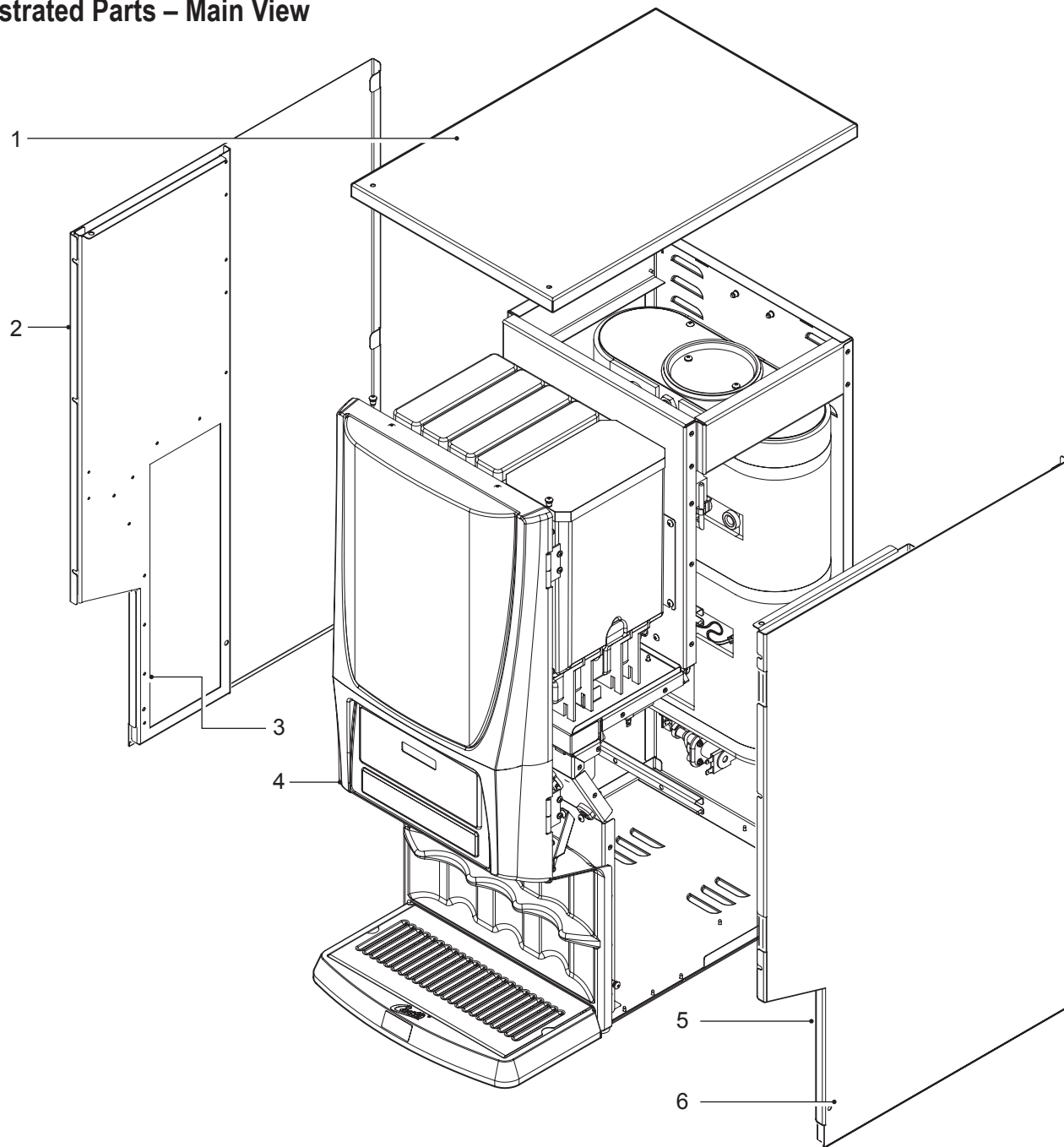
Before mounting a whipper plate, place a dab of food grade lubricant in the rear hole of the seal.



Rough-In Drawing



Illustrated Parts – Main View

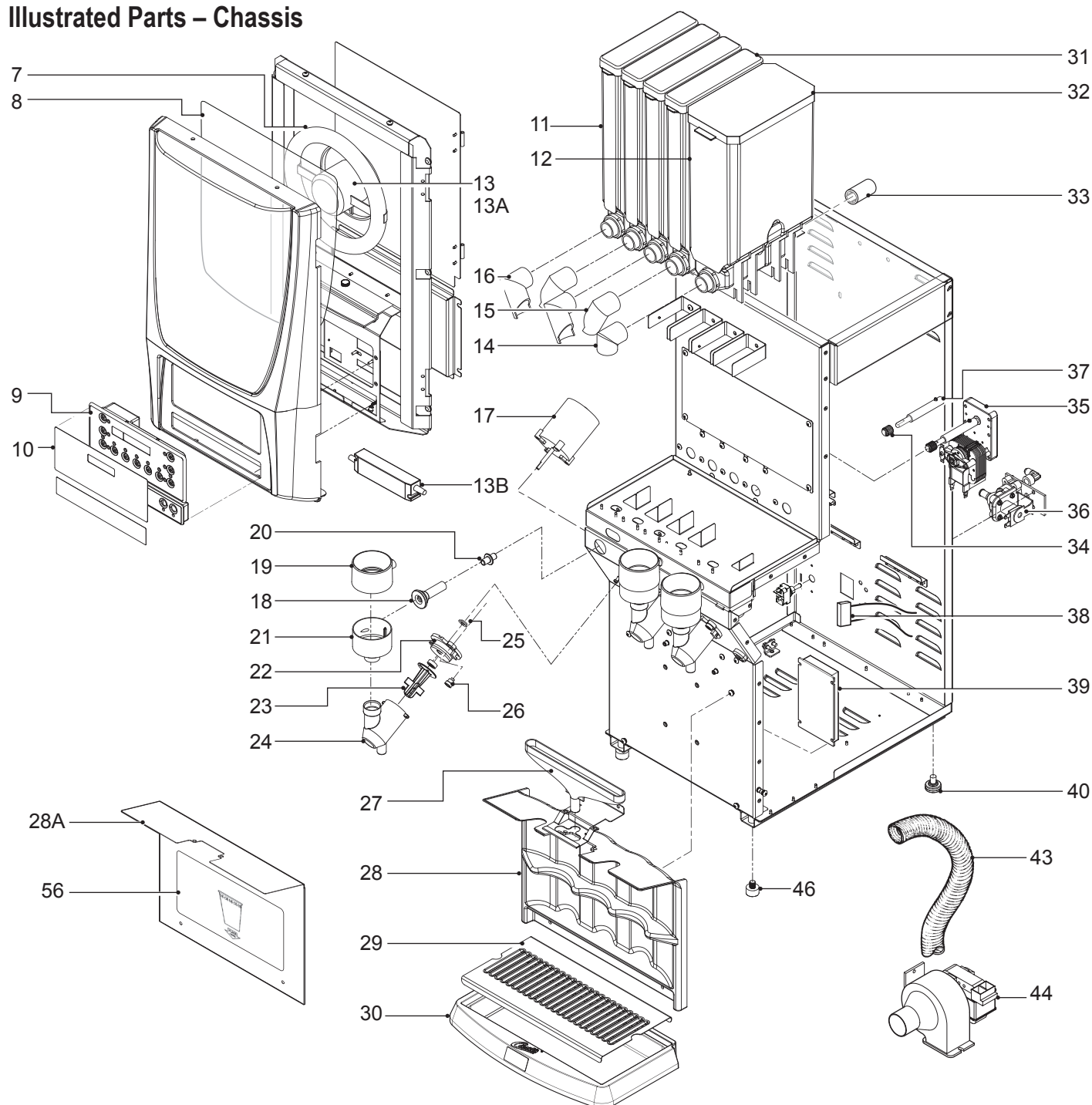


Item №	Part №	Description
1	WC-58222	COVER, TOP
2	WC-68191	PANEL, LEFT SIDE EXPR
3	WC-68175	BRACE, LEFT SIDE
4	WC-58232	DOOR, COMPLETE
5	WC-68174	BRACE, RIGHT SIDE
6	WC-68192	PANEL, SIDE RIGHT
7	CA-1123	LAMP, 30W 5K CIRCULAR (BULB ONLY)
8	CA-1143	FILM, GENERIC EXPR
9	WC-37298*	KIT, UCM & SMART CARD & OVERLAY
10	WC-39608	LABEL, UCM PANEL

Item №	Part №	Description
11*	CA-1142-07	CANISTER, ASSY ULTRA SLIM W/O SPRINGS
12	CA-1113-06R	CANISTER ASSY, 10LB RIGHT PCGTs
13	CA-1127 *	LAMP COMPLETE, W/5K BULB (OLD UNITS)
13A	CA-1174	LAMP, LED ASSY 11-12W 36VDC (NEW UNITS)
13B	CA-1174-101	POWER SUPPLY, 120V - 36VDC (NEW UNITS)
14	CA-1026-03	ELBOW, PC/CK/HC
15	CA-1026-06	ELBOW, CANISTER RIGHT
16	CA-1026-07	ELBOW, CANISTER LEFT
17	WC-3739 *	MOTOR, WHIPPER
18	CA-1011-05	FITTING, BULKHEAD WATER

* Suggested Parts to Stock

Illustrated Parts – Chassis

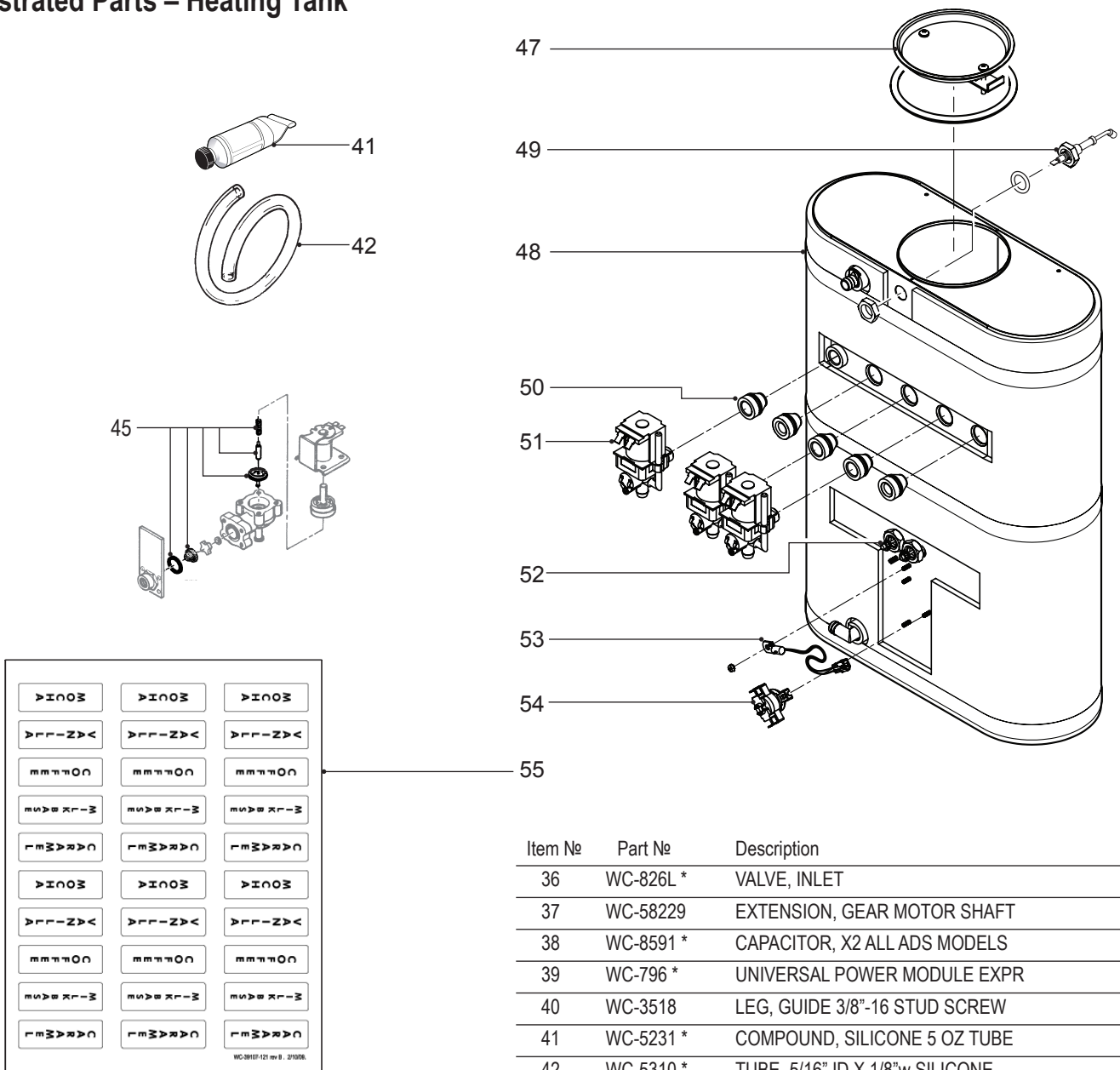


Item №	Part №	Description
19	CA-1005-03 *	STEAM TRAP
20	CA-1095	CONNECTOR, ORIFICE WATER PCGT
21	CA-1009-03 *	BOWL, MIXING
22	WC-37118 *	KIT, WHIPPER PLATE (W/SEAL) 3/PKG
23	CA-1008-07K *	KIT, PROPELLER OFFSET BLADES PKG 6
24	CA-1006-06 *	WHIPPER CHAMBER
25	WC-43791 *	RING, MOTOR SHAFT PLASTIC
26	CA-1024-05	PILLAR, LOCATION BLACK
27	CA-1152 *	MANIFOLD 3 IN 1 BARISTA

Item №	Part №	Description
28	CA-1163	COVER, ALCOVE
28A	WC-58282	COVER, ALCOVE S/S (OPTIONAL)
29	WC-68160	SCREEN, DRIP TRAY
30	CA-1160	DRIP TRAY
31	CA-1142	LID, CANISTER, ULTRA SLIM
32	WC-5664-05	LID, CANISTER, 10LB PCGT's
33	WC-37054	KIT, SOCKET GEAR PC/CK/HC
34	CA-1036 *	GEAR, PLASTIC USE ON CA-1013's
35	WC-37174 *	KIT, GEAR MOTOR, CORK BRAKE PCGT

* Suggested Parts to Stock

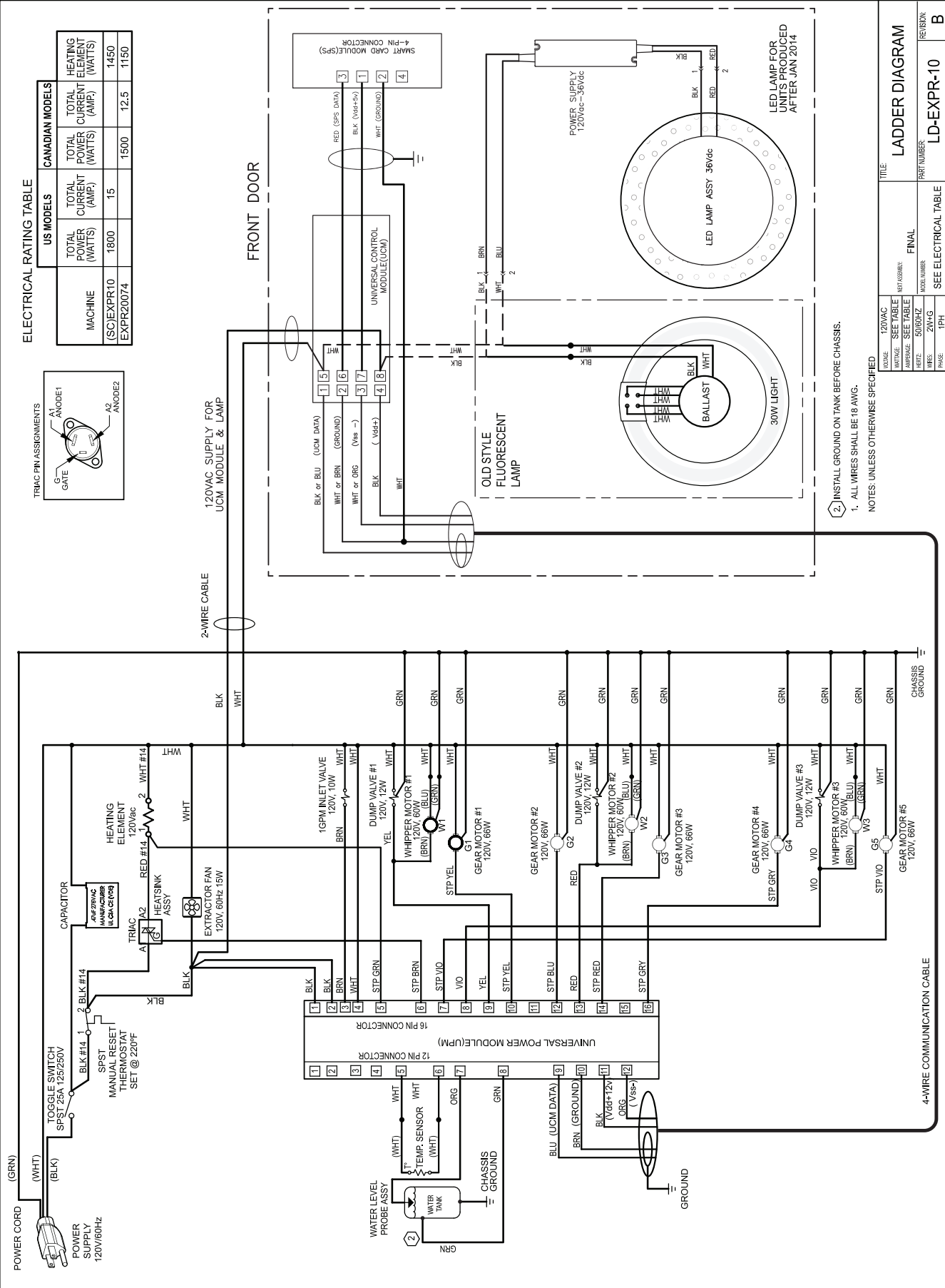
Illustrated Parts – Heating Tank



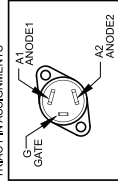
Item №	Part №	Description
36	WC-826L *	VALVE, INLET
37	WC-58229	EXTENSION, GEAR MOTOR SHAFT
38	WC-8591 *	CAPACITOR, X2 ALL ADS MODELS
39	WC-796 *	UNIVERSAL POWER MODULE EXPR
40	WC-3518	LEG, GUIDE 3/8"-16 STUD SCREW
41	WC-5231 *	COMPOUND, SILICONE 5 OZ TUBE
42	WC-5310 *	TUBE, 5/16" ID X 1/8"w SILICONE
43	CA-1030-23	HOSE, EXTRACTOR FAN 23" LONG
44	CA-1014-05	FAN, EXTRACT 120V 29CFM 60Hz
45	WC-3765L *	KIT, INLET VALVE REPAIR USE ON WC-826L
46	WC-3503	LEG, 3/8"-16 STD SCREW BUMPER
47	WC-37008	KIT, TANK LID ROUND
48	WC-3689	INSULATION, WRAP PCGT
49	WC-5527K*	KIT, PROBE WATER LEVEL O-RING & NUT
50	WC-2627	BUSHING, CONICAL .583 ID x .945 OD x .945 L
51	WC-3734 *	KIT, RPLC DUMP VALVE FOR WC-880E
52	WC-917-04*	HEATING ELEMENT, 1.45KW W/JAMNUTS
53	WC-1438-101*	SENSOR, TEMPERATURE TANK
54	WC-523 *	THERMOSTAT, MNL RESET 120/240V 25A
55	WC-39107-04	LABEL, CANISTER FLAVOR EXPR
56	WC-38464	LABEL, SPLASH PANEL EXPR

* Suggested Parts to Stock

Electrical Diagram



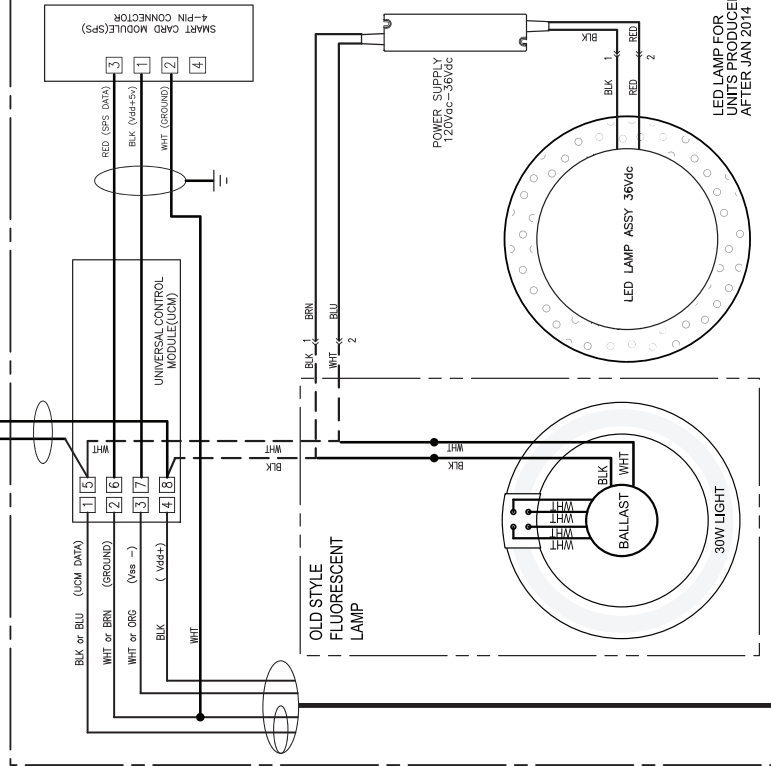
TRAC PIN ASSIGNMENTS



ELECTRICAL RATING TABLE

MACHINE	US MODELS		CANADIAN MODELS	
	TOTAL POWER (WATTS)	TOTAL CURRENT (AMP)	TOTAL POWER (WATTS)	TOTAL CURRENT (AMP)
(SC)EXPR10	1800	15	1500	12.5
EXPR20074			1450	11.50

FRONT DOOR



2. INSTALL GROUND ON TANK BEFORE CHASSIS.

1. ALL WIRES SHALL BE 18 AWG.

NOTES: UNLESS OTHERWISE SPECIFIED

120VAC		WATT (SEMI)		FINAL		SEE ELECTRICAL TABLE		LADDER DIAGRAM	
VOLTAGE	WATTAGE	SEE TABLE	WATTAGE	WATTAGE	WATTAGE	WATTAGE	WATTAGE	WATTAGE	WATTAGE
120VAC	1800	SEE TABLE	1500	1500	1500	1500	1500	1500	1500
120VAC	1450	SEE TABLE	12.5	12.5	12.5	12.5	12.5	12.5	12.5
120VAC	1150	SEE TABLE	10	10	10	10	10	10	10
120VAC	1000	SEE TABLE	8.3	8.3	8.3	8.3	8.3	8.3	8.3
120VAC	800	SEE TABLE	6.7	6.7	6.7	6.7	6.7	6.7	6.7
120VAC	600	SEE TABLE	5	5	5	5	5	5	5
120VAC	400	SEE TABLE	3.3	3.3	3.3	3.3	3.3	3.3	3.3
120VAC	200	SEE TABLE	1.7	1.7	1.7	1.7	1.7	1.7	1.7
120VAC	100	SEE TABLE	0.8	0.8	0.8	0.8	0.8	0.8	0.8
120VAC	50	SEE TABLE	0.4	0.4	0.4	0.4	0.4	0.4	0.4
120VAC	25	SEE TABLE	0.2	0.2	0.2	0.2	0.2	0.2	0.2
120VAC	10	SEE TABLE	0.08	0.08	0.08	0.08	0.08	0.08	0.08
120VAC	5	SEE TABLE	0.04	0.04	0.04	0.04	0.04	0.04	0.04
120VAC	2.5	SEE TABLE	0.02	0.02	0.02	0.02	0.02	0.02	0.02
120VAC	1.25	SEE TABLE	0.01	0.01	0.01	0.01	0.01	0.01	0.01
120VAC	0.625	SEE TABLE	0.005	0.005	0.005	0.005	0.005	0.005	0.005
120VAC	0.3125	SEE TABLE	0.0025	0.0025	0.0025	0.0025	0.0025	0.0025	0.0025
120VAC	0.15625	SEE TABLE	0.00125	0.00125	0.00125	0.00125	0.00125	0.00125	0.00125
120VAC	0.078125	SEE TABLE	0.000625	0.000625	0.000625	0.000625	0.000625	0.000625	0.000625
120VAC	0.0390625	SEE TABLE	0.0003125	0.0003125	0.0003125	0.0003125	0.0003125	0.0003125	0.0003125
120VAC	0.01953125	SEE TABLE	0.00015625	0.00015625	0.00015625	0.00015625	0.00015625	0.00015625	0.00015625
120VAC	0.009765625	SEE TABLE	0.000078125	0.000078125	0.000078125	0.000078125	0.000078125	0.000078125	0.000078125
120VAC	0.0048828125	SEE TABLE	0.0000390625	0.0000390625	0.0000390625	0.0000390625	0.0000390625	0.0000390625	0.0000390625
120VAC	0.00244140625	SEE TABLE	0.00001953125	0.00001953125	0.00001953125	0.00001953125	0.00001953125	0.00001953125	0.00001953125
120VAC	0.001220703125	SEE TABLE	0.000009765625	0.000009765625	0.000009765625	0.000009765625	0.000009765625	0.000009765625	0.000009765625
120VAC	0.0006103515625	SEE TABLE	0.0000048828125	0.0000048828125	0.0000048828125	0.0000048828125	0.0000048828125	0.0000048828125	0.0000048828125
120VAC	0.00030517578125	SEE TABLE	0.00000244140625	0.00000244140625	0.00000244140625	0.00000244140625	0.00000244140625	0.00000244140625	0.00000244140625
120VAC	0.000152587890625	SEE TABLE	0.000001220703125	0.000001220703125	0.000001220703125	0.000001220703125	0.000001220703125	0.000001220703125	0.000001220703125
120VAC	0.0000762939453125	SEE TABLE	0.0000006103515625	0.0000006103515625	0.0000006103515625	0.0000006103515625	0.0000006103515625	0.0000006103515625	0.0000006103515625
120VAC	0.00003814697265625	SEE TABLE	0.00000030517578125	0.00000030517578125	0.00000030517578125	0.00000030517578125	0.00000030517578125	0.00000030517578125	0.00000030517578125
120VAC	0.000019073486328125	SEE TABLE	0.000000152587890625	0.000000152587890625	0.000000152587890625	0.000000152587890625	0.000000152587890625	0.000000152587890625	0.000000152587890625
120VAC	0.0000095367431640625	SEE TABLE	0.0000000762939453125	0.0000000762939453125	0.0000000762939453125	0.0000000762939453125	0.0000000762939453125	0.0000000762939453125	0.0000000762939453125
120VAC	0.00000476837158203125	SEE TABLE	0.00000003814697265625	0.00000003814697265625	0.00000003814697265625	0.00000003814697265625	0.00000003814697265625	0.00000003814697265625	0.00000003814697265625
120VAC	0.000002384185791015625	SEE TABLE	0.000000019073486328125	0.000000019073486328125	0.000000019073486328125	0.000000019073486328125	0.000000019073486328125	0.000000019073486328125	0.000000019073486328125
120VAC	0.0000011920928955078125	SEE TABLE	0.0000000095367431640625	0.0000000095367431640625	0.0000000095367431640625	0.0000000095367431640625	0.0000000095367431640625	0.0000000095367431640625	0.0000000095367431640625
120VAC	0.00000059604644775390625	SEE TABLE	0.00000000476837158203125	0.00000000476837158203125	0.00000000476837158203125	0.00000000476837158203125	0.00000000476837158203125	0.00000000476837158203125	0.00000000476837158203125
120VAC	0.000000298023223876953125	SEE TABLE	0.000000002384185791015625	0.000000002384185791015625	0.000000002384185791015625	0.000000002384185791015625	0.000000002384185791015625	0.000000002384185791015625	0.000000002384185791015625
120VAC	0.0000001490116119384765625	SEE TABLE	0.0000000011920928955078125	0.0000000011920928955078125	0.0000000011920928955078125	0.0000000011920928955078125	0.0000000011920928955078125	0.0000000011920928955078125	0.0000000011920928955078125
120VAC	0.00000007450580596923828125	SEE TABLE	0.00000000059604644775390625	0.00000000059604644775390625	0.00000000059604644775390625	0.00000000059604644775390625	0.00000000059604644775390625	0.00000000059604644775390625	0.00000000059604644775390625
120VAC	0.000000037252902984619140625	SEE TABLE	0.000000000298023223876953125	0.000000000298023223876953125	0.000000000298023223876953125	0.000000000298023223876953125	0.000000000298023223876953125	0.000000000298023223876953125	0.000000000298023223876953125
120VAC	0.0000000186264514923095703125	SEE TABLE	0.0000000001490116119384765625	0.0000000001490116119384765625	0.0000000001490116119384765625	0.0000000001490116119384765625	0.0000000001490116119384765625	0.0000000001490116119384765625	0.0000000001490116119384765625
120VAC	0.00000000931322574615478515625	SEE TABLE	0.00000000007450580596923828125	0.00000000007450580596923828125	0.00000000007450580596923828125	0.00000000007450580596923828125	0.00000000007450580596923828125	0.00000000007450580596923828125	0.00000000007450580596923828125
120VAC	0.000000004656612873077392578125	SEE TABLE	0.000000000037252902984619140625	0.000000000037252902984619140625	0.000000000037252902984619140625	0.000000000037252902984619140625	0.000000000037252902984619140625	0.000000000037252902984619140625	0.000000000037252902984619140625
120VAC	0.0000000023283064365386962890625	SEE TABLE	0.0000000000186264514923095703125	0.0000000000186264514923095703125	0.0000000000186264514923095703125	0.0000000000186264514923095703125	0.0000000000186264514923095703125	0.0000000000186264514923095703125	0.0000000000186264514923095703125
120VAC	0.00000000116415321826934814453125	SEE TABLE	0.00000000000931322574615478515625	0.00000000000931322574615478515625	0.00000000000931322574615478515625	0.00000000000931322574615478515625	0.00000000000931322574615478515625	0.00000000000931322574615478515625	0.00000000000931322574615478515625
120VAC	0.000000000582076609134674072265625	SEE TABLE	0.000000000004656612873077392578125	0.000000000004656612873077392578125	0.000000000004656612873077392578125	0.000000000004656612873077392578125	0.000000000004656612873077392578125	0.000000000004656612873077392578125	0.000000000004656612873077392578125
120VAC	0.0000000002910383045673370361328125	SEE TABLE	0.0000000000023283064365386962890625	0.0000000000023283064365386962890625	0.0000000000023283064365386962890625	0.0000000000023283064365386962890625	0.0000000000023283064365386962890625	0.0000000000023283064365386962890625	0.0000000000023283064365386962890625
120VAC	0.00000000014551915228366851806640625	SEE TABLE	0.00000000000116415321826934814453125	0.00000000000116415321826934814453125	0.00000000000116415321826934814453125	0.00000000000116415321826934814453125	0.00000000000116415321826934814453125	0.00000000000116415321826934814453125	0.00000000000116415321826934814453125
120VAC	0.000000000072759576141834259033203125	SEE TABLE	0.00000000000058207660913467407228125	0.00000000000058207660913467407228125	0.00000000000058207660913467407228125	0.00000000000058207660913467407228125	0.00000000000058207660913467407228125	0.00000000000058207660913467407228125	0.00000000000058207660913467407228125
120VAC	0.0000000000363797880709171295166015625	SEE TABLE	0.0000000000002910383045673370361328125	0.0000000000002910383045673370361328125	0.0000000000002910383045673370361328125	0.0000000000002910383045673370361328125	0.0000000000002910383045673370361328125	0.0000000000002910383045673370361328125	0.0000000000002910383045673370361328125
120VAC	0.00000000001818989403545856475830078125	SEE TABLE	0.00000000000014551915228366851806640625	0.00000000000014551915228366851806640625	0.00000000000014551915228366851806640625	0.00000000000014551915228366851806640625	0.00000000000014551915228366851806640625	0.00000000000014551915228366851806640625	0.00000000000014551915228366851806640625
120VAC	0.000000000009094947017729282379150390625	SEE TABLE	0.0000000000000727597880709171295166015625	0.0000000000000727597880709171295166015625	0.0000000000000727597880709171295166015625	0.0000000000000727597880709171295166015625	0.0000000000000727597880709171295166015625	0.0000000000000727597880709171295166015625	0.0000000000000727597880709171295166015625
120VAC	0.0000000000045474735088646411875751953125	SEE TABLE	0.0000000000000363797880709171295166015625	0.0000000000000363797880709171295166015625	0.0000000000000363797880709171295166015625	0.0000000000000363797880709171295166015625	0.0000000000000363797880709171295166015625	0.0000000000000363797880709171295166015625	0.0000000000000363797880709171295166015625

Product Warranty Information

The Wilbur Curtis Company certifies that its products are free from defects in material and workmanship under normal use. The following limited warranties and conditions apply:

- 3 Years, Parts and Labor, from Original Date of Purchase on digital control boards.
- 2 Years, Parts, from Original Date of Purchase on all other electrical components, fittings and tubing.
- 1 Year, Labor, from Original Date of Purchase on all electrical components, fittings and tubing.

Additionally, the Wilbur Curtis Company warrants its Grinding Burrs for Forty (40) months from date of purchase or 40,000 pounds of coffee, whichever comes first. Stainless Steel components are warranted for two (2) years from date of purchase against leaking or pitting and replacement parts are warranted for ninety (90) days from date of purchase or for the remainder of the limited warranty period of the equipment in which the component is installed.

All in-warranty service calls must have prior authorization. For Authorization, call the Technical Support Department at 1-800-995-0417. Effective date of this policy is April 1, 2003.

Additional conditions may apply. Go to www.wilburcurtis.com to view the full product warranty information.

CONDITIONS & EXCEPTIONS

The warranty covers original equipment at time of purchase only. The Wilbur Curtis Company, Inc., assumes no responsibility for substitute replacement parts installed on Curtis equipment that have not been purchased from the Wilbur Curtis Company, Inc. The Wilbur Curtis Company will not accept any responsibility if the following conditions are not met. The warranty does not cover and is void under the following circumstances:

- 1) **Improper operation of equipment:** *The equipment must be used for its designed and intended purpose and function.*
- 2) **Improper installation of equipment:** *This equipment must be installed by a professional technician and must comply with all local electrical, mechanical and plumbing codes.*
- 3) **Improper voltage:** *Equipment must be installed at the voltage stated on the serial plate supplied with this equipment.*
- 4) **Improper water supply:** *This includes, but is not limited to, excessive or low water pressure, and inadequate or fluctuating water flow rate.*
- 5) **Adjustments and cleaning:** *The resetting of safety thermostats and circuit breakers, programming and temperature adjustments are the responsibility of the equipment owner. The owner is responsible for proper cleaning and regular maintenance of this equipment.*
- 6) **Damaged in transit:** *Equipment damaged in transit is the responsibility of the freight company and a claim should be made with the carrier.*
- 7) **Abuse or neglect (including failure to periodically clean or remove lime accumulations):** *Manufacturer is not responsible for variation in equipment operation due to excessive lime or local water conditions. The equipment must be maintained according to the manufacturer's recommendations.*
- 8) **Replacement of items subject to normal use and wear:** *This shall include, but is not limited to, light bulbs, shear disks, "O" rings, gaskets, silicone tube, canister assemblies, whipper chambers and plates, mixing bowls, agitation assemblies and whipper propellers.*
- 9) **Repairs and/or Replacements** are subject to our decision that the workmanship or parts were faulty and the defects showed up under normal use. All labor shall be performed during regular working hours. Overtime charges are the responsibility of the owner. Charges incurred by delays, waiting time, or operating restrictions that hinder the service technician's ability to perform service is the responsibility of the owner of the equipment. This includes institutional and correctional facilities. The Wilbur Curtis Company will allow up to 100 miles, round trip, per in-warranty service call.

RETURN MERCHANDISE AUTHORIZATION: *All claims under this warranty must be submitted to the Wilbur Curtis Company Technical Support Department prior to performing any repair work or return of this equipment to the factory. All returned equipment must be repackaged properly in the original carton. No units will be accepted if they are damaged in transit due to improper packaging. **NO UNITS OR PARTS WILL BE ACCEPTED WITHOUT A RETURN MERCHANDISE AUTHORIZATION (RMA). RMA NUMBER MUST BE MARKED ON THE CARTON OR SHIPPING LABEL.** All in-warranty service calls must be performed by an authorized service agent. Call the Wilbur Curtis Technical Support Department to find an agent near you.*

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WILBUR CURTIS CO., INC.

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Phone: 800/421-6150 ♦ Fax: 323-837-2410

♦ Technical Support Phone: 800/995-0417 (M-F 5:30A - 4:00P PST) ♦ E-Mail: techsupport@wilburcurtis.com

♦ Web Site: www.wilburcurtis.com

FOR THE LATEST SPECIFICATION INFORMATION GO TO WWW.WILBURCURTIS.COM