

OPERATION and SERVICE MANUAL

COLDELITE CORPORATION OF AMERICA

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FOREWORD

Thank you for selecting COLDELITE to meet today's fast growing demands. Your COLDELITE freezer has been manufactured at one of the most modern freezer manufacturing plants in the U.S.A., our Winston-Salem, North Carolina facility, utilizing the most advanced equipment and technology available in the industry. We at COLDELITE, take great pride and care in the manufacture of each and every freezer, using only the finest components available, to provide you with years of trouble-free operation.

Over twenty-five years of experience in the manufacturing of dispensing equipment have guided us in the preparation of this Operation and Service Manual. PLEASE READ IT CAREFULLY. Keep it for future reference and most of all, follow the instructions from the very time your machine is put into service.

On the following pages, you will find important information and procedures which describe the proper installation, sanitizing, operation, and maintenance of your COLDELITE machine. We feel certain that your full compliance with these instructions will assure you of excellent performance, trouble-free operation and a profitable business for years to come.

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MODEL LB-100 B

IMPORTANT

Failure to closely follow set-up, operational and maintenance procedures may result in damage to the unit and/or void your warranty. Coldelite Corporation will not be responsible for any machine not properly maintained.

In the event this unit should malfunction, please contact your Coldelite Distributor or authorized service agency.

PART 1

INSTALLATION

Before starting this procedure, make certain the shipping case does not show any evidence of having been dropped, tampered with or abused in such a way as to indicate that its contents may have been damaged in transit.

IMPORTANT: Should the outside of the shipping case give any indication of possible hidden damage, state this on the bill of lading before signing. Contact the carrier immediately and request an inspection of the damage. If this procedure is not adhered to, you will forfeit your right to file a damage claim and be responsible for subsequent repair costs.

A) UNCRATING

Proceed as follows:

1. Remove the machine from its carton and remove all protective crating material.

2. Remove the single screw at the bottom of each side panel. Remove the side panels by pulling in a downward and outward direction, allowing the panel to slide free. The protective plastic coating which is laminated to the panels can now be removed by simply peeling off.

B) POSITIONING THE MACHINE

1. The machine is now ready to be positioned onto your counter. The counter must be capable of supporting 225 lbs., and should be vibration free. Reinforce it if necessary. Remember, when choosing a location, your unit is air cooled, proper air flow will need to be maintained. Allow at least six (6) inches on either side and a minimum of twelve (12) inches between the rear of the machine and any obstruction. (Ref. Fig. 1)



FIGURE 1

Clearances Required For

Proper Air Cooling

NOTE: If these clearances are not maintained, the production capacity will be reduced, cycling will increase and the potential exists that the machine will stop immediately.

- 2. The machine should be within four feet of the power supply outlet.
- 3. Position the machine for easy accessibility when cleaning, servicing and performing routine maintenance.
- 4. Position the machine away from direct sunlight. For every 2 °F above 68 °F, the machine's performance will decrease by approximately 1%.
- 5. Once the machine is set in position, it should be leveled as accurately as possible.

C) ELECTRICAL REQUIREMENTS

All wiring installed to operate this freezer must be in accordance with the National Electrical Code and/or local electrical codes, rules and regulations. The machine must be properly grounded. It is recommended the power supply be installed by a licensed electrician.

VOLTAGE LB-100B: 115 Volts RUNNING AMPERAGE FLA: 23.0 FUSE SIZE: 30 AMP Max. WIRE SIZE: (50 Ft. Max.) #10

POWER SUPPLY must be adequate to meet requirements at all times. Voltage fluctuations, with the machine in operation, should not exceed \pm 10% of the normal or rated voltage.

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The model LB-100B requires a 115 Volt 60 Hertz dedicated circuit (no other electrical appliances on the circuit). A separate circuit breaker rated at 30 AMPS is required.

ADEQUATE WIRING must be provided with respect to wire size or gauge. This includes the direct power line to the machine electrical and connection box.

Coldelite batch freezers are equipped with protection for the beater motor. Should the line voltage drop, or in the unlikely event a short circuit occurs, the overload protector will automatically disconnect the contactor. This will stop the machine immediately so that no permanent damage will be caused to the motor.

To restart the freezer, depress the reset button which is accessible through an opening at the lower right corner of the right side panel. The protector must cool for several minutes before the reset will operate (Ref. Fig. 2).

The compressor is internally protected. If the Klixon protector trips due to an overload condition, the compressor will stop and automatically restart once the protector has cooled for several minutes.

D) ELECTRICAL CONNECTIONS (REF. FIG. 5).

Having removed the right side panel, the machine's electrical component/ wiring connection box can be located at the lower right corner. Remove the electrical connection box cover.

The power line is first passed through the access hole located at the bottom right rear of the machine. The line is then passed upward through the access hole in the bottom deck directly into the electrical connection box. The power line may now be connected to terminals L1 and L2. Use appropriate electrical wiring hardware and connectors as governed by electrical codes.

In all installations, the machine MUST be properly grounded. Adequate ground continuity is assured by running and securely fastening a ground line (conductor) to the ground lug located in the electrical connection box.



E) COMPLETING THE INSTALLATION

Sanitary regulations may require that the counter model machine be sealed to the counter top. To seal, proceed as follows:

- 1. Clean the counter top thoroughly to remove any dirt, dust, etc.
- Clean the lower rim, or bottom flange of the machine base (Ref. Fig. 3).
- Apply a bead (approx. 1/4" wide) of General Electric RTV-102 silicone sealnat (or equivalent) to the bottom surface of the base.
- 4. Place the machine on the counter in the location chosen.
- 5. Remove any excess sealant by slowly running a flat edged tool (spackling tool) around the flange of the base frame. This will create aseamless joint between the frame and the counter top (Ref. Fig. 3).
- 6. Allow sealant to dry thoroughly (refer to sealant manufacturer's directions) before operating the machine.





All operator controls are conveniently located at the front of the machine. (Ref. Fig. 4).

A) THE SELECTOR SWITCH

The selector switch is a four position, four function switch. The positions of the switch (Ref. Fig. 4) along with respective functions are as follows:

1. OFF - The machine does not operate in this position.



- 2. PRODUCTION This position is used to freeze the mix ingredients to a finished product. Both compressor and beater are in operation.
- 3. EXTRACTION This position is used for dispensing of frozen, finished product. The beater is in operation and the compressor is inactivated.
- 4. CLEAN This position is used for cleaning and sanitizing procedures. Only the beater motor is activated in this mode. All refrigeration circuits are de-energized.

B) MECHANICAL TIMER (Ref. Fig. 4)

The mechanical timer is a device for setting the minutes required to produce a batch of finished product. At the end of the freeze cycle the timer will signal and audible reminding the operator the production cycle, finished product, is completed. The timer is a reminder only and does not turn off the machine. The timer will be discussed in detail in Part VI, Starting The Machine.

C) DISPENSE HANDLE (Ref. Fig. 4)

Moving the dispense handle in an upward direction raises the gate cover for dispensing finished product. A downward motion closes the gate.



The Electrical Control Panel, located behind the right hand side panel and in the lower right corner, contains the components for the machine controlling circuit. This panel is to be accessed only by trained, experienced technicians.

WARNING!

DISCONNECT FREEZER FROM THE SOURCE OF ELECTRICAL SUPPLY BEFORE ATTEMPING TO SERVICE.

The following is an explanation of the control panel components:

- COMPRESSOR CONTACTOR Activates the refrigeration compressor. When the machine is operated in the PRODUCTION mode, the compressor contactor will be energized by the electronic Hard-O-Matic control (H.O.M.).
- BEATER MOTOR CONTACTOR Activates the beater drive motor. The beater motor contactor is energized by the selector switch when either in the PRODUCTION, EXTRACTION or CLEAN MODES.
- 3. OVERLOAD PROTECTOR Senses the current (amperage) supplied to the beater motor. In the event of a current overload, the protector will trip and stop the entire machine. The trip AMPS have been pre-set at the factory and are indicated on the control panel cover. This device also contains the overload reset mechanism. If reset is required, position the selector switch to the OFF position before pushing the reset button. Return selector switch to the desired mode.
- 4. ELECTRONIC HARD-O-MATIC (H.O.M.) Automatically senses and controls product consistency when the freezer is operating in the PRODUCTION mode. Depending on signals received from the beater drive motor, the H.O.M. activates or stops the refrigeration system to maintain pre-set product consistency.
- 5. CURRENT TRANSFORMER Monitors beater motor current characteristics and provides signal to H.O.M.
- 6. TRANSFORMER (MAIN) Steps down the primary 115 line voltage to 24 volt secondary supply for the control circuit.
- TERMINAL BLOCKS (115 Volt) Inter-connection point for high voltage components, I.E. compressor, main transformer, beater motor, and condenser fan motor. Also, used to connect power supply wires.

889 TERMINAL BLOCKS (24 Volt) - Serves as the interconnection point for all 24 volt controlling circuit components.

E) OTHER CONTROLS

- 1. HIGH PRESSURE CUT-OUT CONTROL Located on the right side of the freezer's upper left corner, and is installed into the compressor discharge line (high pressure side). In the event of a high pressure condition, it will shut down the compressor. Reset is automatic when the high pressure subsides. A common cause for cut-out is restricted air flow through the condenser coil.
- 2. SAFETY SWITCH DISPENSE HEAD The switch is located behind the front panel and is a normally open switching device that is mechanically activated to the closed position when the dispense head is securely closed and latched with the retaining knob. Should an attempt be made to open the dispense head during freezer operation, the switch automatically opens de-energizing the machine.

PART III INITIAL CLEANING PROCEDURE

The new machine must be completely disassembled, washed, and sanitized prior to starting. Proceed as follows:

1. Remove the items packaged with the freezer, (spare parts or startup kit, sample sanitizer, and sanitary lubricant).

THE SPARE PARTS OR START UP KIT will include; a complete set of replacement o-rings and rubber seals, o-ring extractor, cleaning brush, a tube of sanitary lubricant, four sample packages of sanitizer, a spatula, and the Operation and Service Manual.

HELPFUL SUGGESTION: Before proceeding with the disassembly of the freezer, it is recommended that a plastic dish pan be used in which to place the parts. This will minimize the possibility of misplacing or damaging the various component parts.

2: Proceed with the disassembly by removing the dispense head (Ref. Fig. 6).



Grasp and pull the retaining knob outward. Rotate the knob clockwise one quarter turn to unlatch the dispense head.

Swing the dispense head open and lift upward removing it from the hinge pin.

3. Further disassemble the dispense head by removing the fill cover retaining rod and the plastic fill cover.

To remove the dispense handle and gate cover, carefully unscrew the dispense handle pivot knob at the left and slowly pull the handle forward releasing the handle, tension spring and gate cover.

- 4. Remove the beater from the freezer cylinder with a straight and forward pull. Slide the rubber beater shaft (lip) seal off of the beater shaft.
- 5. Using the O-RING EXTRACTOR, remove the large o-ring from the back of the dispense head, and the gate cover o-ring.
- 6. The machine is now completely disassembled. The parts will be washed, rinsed and sanitized. (Ref. Fig. 7).



7. Wash all parts in luke-warm water (80°-85°F) using a mild detergent and the cleaning brush provided in the START-UP KIT.

DO NOT USE HOT WATER FOR PROCESSING ANY OF THE PLASTIC PARTS AS DAMAGE TO THE PARTS CAN RESULT.

- 8. Rinse the parts in luke-warm water (80°-85°F).
- Place the parts in luke-warm water, containing sanitizer, for 2 to 5 minutes. Use the sample sanitizer provided in the START-UP KIT following the manufacturer's directions.
- 10. Arrange the parts on a clean, sanitized counter area and allow to air dry or reassemble wet if desired. DO NOT TOWEL DRY OR RINSE THE SANITIZED PARTS.
- 11. The cylinder walls must also be washed and rinsed using lukewarm water (80°-85°F), mild detergent, and followed by wiping with sanitized water. Allow cylinder to air dry or reassemble wet.

PART IV ASSEMBLING THE FREEZER

Once the cylinder and parts have been washed, rinsed and sanitized, the freezer is ready to be re-assembled. Prior to beginning the re-assembly procedure, sanitize your hands by submerging in sanitizing solution. Re-assemble as follows:

A) ASSEMBLING THE BEATER

- Lubricate and install the BEATER LIP SEAL. Using the sample sanitary lubricant included in the START-UP KIT, lightly coat the front and back surfaces of the seal and slide the seal onto the beater shaft.
- 2. Insert the BEATER into the freezing cylinder. Hold the beater horizontal and slide it into the cylinder until it will go no further. Be sure the BEATER LIP SEAL is in place.
- 3. Rotate the BEATER until you feel the drive shaft engage and push the beater further toward the rear to properly seat.

B) ASSEMBLING THE DISPENSE HEAD (Ref. Fig. 6).

- Begin by gathering all of the parts required to assemble the DISPENSE HEAD. These parts include: one (1) dispense head o-ring, dispense head, fill cover, fill cover retaining rod, gate cover, gate cover 0-ring, tension spring, dispense handle and retaining knob.
- 2. Install the o-ring into the gate cover o-ring groove. Lightly lubricate the o-ring with sanitary lubricant for free movement of the gate cover during dispensing.
- 3. Position the tension spring between the handle and gate cover recess and remount the handle onto the pivot stud. Install the white plastic retaining knob.
- 4. Re-attach the fill cover to the fill chute by inserting its retaining rod.
- 5. Install the dispense head o-ring into the o-ring groove located on the back side of the head. Lubricate the o-ring with a light coating of sanitary lubricant.
- 6. Attach the DISPENSE HEAD to the freezer by guiding the head pivot onto the hinge pin.
- 7. Close the dispense head and latch into place with the retaining knob.

The machine is now completely assembled and ready to be sanitized.

PART V SANITIZING THE FREEZER

Prior to starting the freezer with the product that will be served, the freezer must be sanitized.

Sanitizing the freezer is most important as the procedure retards the growth of bacteria and insures acceptable product test results when examined by local Health and/or Agriculture Departments.

The frequency of cleaning and sanitizing cycles must comply with local Health Regulations. If uncertain about the regulations in your area, contact the local Board of Health or Department of Agriculture.

To begin the sanitizing process, you will need a clean pail, wire wisk, and a soft plastic bristle brush.

 Mix 2 oz. of sanitizer, STERA SHEEN GREEN LABEL OR EQUIVALENT, (sample packs included in the START-UP KIT) into a pail containing one gallon of warm water. Dissolve sanitizer by stirring with a wire wisk. This formula will make a 200 P.P.M. (parts per million) concentration of chlorine sanitizing solution.

IMPORTANT: Do not exceed the formula recommended by the sanitizer manufacturer as it will not add to its effectiveness.

- 2. Lift the fill chute cover and pour the sanitizing solution into the cylinder until the solution rises in the fill chute.
- 3. Turn the selector switch to the CLEAN position for 30 seconds (Ref. Fig. 4, PG. 5). The beater will run allowing the sanitizing solution to come in contact with all internal product contact areas. During the 30 second CLEAN period, the remainder of the one gallon of sanitizing solution should be added filling the fill chute.
- 4. Turn the selector to the OFF position.
- 5. Using a sanitized soft bristle brush, brush the dispense chute, the underside of the fill chute cover, and the sides of the fill chute that will come in contact with product. Close the fill cover. Allow the sanitizing solution to remain in contact with the product areas for three (3) to five (5) minutes.

- Place a clean pail under the dispense chute and slowly raise the dispense handle and gate cover to drain the sanitizing solution from the cylinder.
- 7. Allow the sanitizer to drain completely. Close the dispense handle.

HELPFUL SUGGESTION: When the sanitizer has stopped flowing from the dispense head, leave the dispense handle in the OPEN position and turn the selector switch to the CLEAN position for two to three seconds to assist in removal of the last bit of sanitizer.

DO NOT RINSE THE MACHINE WITH FRESH WATER AFTER THE SANITIZING PROCESS HAS BEEN COMPLETED AS THIS ACTION WOULD COMPLETELY NEGATE THE ENTIRE PROCESS.

CAUTION: It is recommended that the beater be turned as little as possible during the washing and sanitizing processes as excessive rotation can result in premature wear of beater blade surfaces.

PART VI STARTING THE FREEZER

Only after the machine has been thoroughly cleaned and sanitized is the freezer ready for production of the initial batch.

You have the finest, fastest and most dependable freezer manufactured. Congratulations! You are now ready to make hard ice cream, sherbets, ices, gelato and more.

A successfull retail business depends entirely on the quality of the product it produces. Therefore you are urged to choose wisely only quality ingredients for the formulation of your frozen products. Please remember, inexpensive and inferior ingredients will result in a similar inferior product and a disatisfied customer.

Please observe the following recommendations:

- 1. Make your mixes from high quality natural products or obtain from a reliable and trustworthy supplier.
- 2. Do not serve the product to the customer unless its quality and appearance are entirely satisfactory.

- 3. Be sure the machine is kept clean at all times.
- 4. In the event the freezer requires service, always contact an authorized COLDELITE Technician.

Batch sizes will vary depending on the mix ingredients, desired overrun, etc.. Experience will be the teacher for judging the desired size of each batch. For example, when making ices, a larger quantity of mix may be poured into the cylinder as the final finished batch will have less expansion due to minimum overrun.

The initial quantity of mix to be poured into the cylinder is a minimum of 1.7 quarts (54 oz.) and 2.2 quarts (70 oz.) maximum. As a guide, when charging the cylinder with mix, the horizontal mix level mark on the dispense head will indicate a fill of 1.9 quarts (60 oz.).

Prepare 1.7 to 2.2 quarts of liquid mix, approximately 38° to 42°F, in a clean, sanitized measuring container.

PART VII

OPERATING THE FREEZER

- 1. Pour the mix into the fill chute and close the chute cover.
- 2. Set the timer to 10 minutes and the selector switch to PRODUCTION. (Ref. Fig. 4, Pg. 5).
- 3. Allow the machine to freeze the product to the desired consistancy. The timer may produce an audible prior to or after the completion of the freeze cycle. The 10 minute timer setting is an average. Exact timing must be arrived at based on the mix used, desired overrun and firmness, and the consistancy control setting to be discussed in PART VIII TECHNICAL INFORMATION.
- 4. On the initial batch when the timer sounds at 10 minutes, turn the selector switch to EXTRACTION. lift the dispense handle and draw the finished batch from the cylinder into a sanitized, cold container. After dispensing is complete return the selector switch to OFF.

Note that the second batch will be made in a lesser time. Again, exact timing must be concluded based on the desired finished product characteristics.

When working with different flavors, plan the sequence of batches before hand. Example, always start with vanilla, possibly cherry vanilla, vanilla chip, followed by coffee, walnut or other light colored flavors. Naturally, chocolate would be the final flavor dispensed. Always remember to use quality ingredients. Producing quality ice creams, ices or sherbets will guarantee a superior product and a happy customer.

PART VIII

TECHNICAL INFORMATION

A) REFRIGERATION

Compressor: Hermetic, .75 H.P., R-502 Refrigerant Voltage: 115 Volt, Single Phase, 60 Hertz FLA: Ampergae = 23 Suction Pressure: 19 PSI Discharge (Head) Pressure: 225 PSI Cooling System: Air Refrigerant Charge: 1.8 LBS

B) BEATER MOTOR

Voltage: 115 Volt, Single Phase, 60 Hertz, 3/4 H.P. H.O.M: Cut-out Amperage 6.3 to 6.7 Overload Cut-out Amperage 7.6

1) Adjusting Batch Temperature

The LB-100B uses a Hard-O-Matic system which is referred to as H.O.M.. This electronic device controls the refrigeration system for the freezing cylinder by 'sensing' the consistency or hardness of the product inside the freezing cylinder. No thermostats are used with this system.

The firmness of the batch product will depend on the setting of the H.O.M. electronic control.

The compressor must cut off when the current, absorbed by the beater motor, reaches the amperage indicated on the label in the electrical control box (H.O.M. Cut-out AMPS). By using an ammeter and clamping around one leg of the power line feeding the beater motor, it is possible to read the amperage drawn by the motor. Factory set cut-out is 6.3 to 6.7 AMPS.

2) Electronic Hard-O-Matic Control Adjustment

To reduce product consistency, turn the TRIMMER adjustment (see Fig. 8). counter clockwise.

To increase product consistency, turn the TRIMMER adjustment screw clockwise.

The electronic H.O.M. (see Fig. 8) has the possibility of working in three different ranges of amperage. Be sure that the range selected is in accordance with the beater motor amperage range. If modification is required, remove the bridge and reposition on the appropriate range. (See Figure 8).



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To obtain a different H.O.M. range, from that the factory setting, the bridge must be moved the pins as shown in A,B,C, and D for the requi amperage. The factory bridge setting 'D' will α likely be suitable for all mixes and will rarely τ quire repositioning.

C) DRIVE SYSTEM The rotation of the beater is counter clockwise and is motivated by a belt drive system.

PARTIX

MAINTENANCE

Your COLDELITE machine has been designed, engineered and manufactured to achieve high performance and long durability.

The life expectancy of a machine, any machine, does not depend only on the quality of its components and design, but also on the beneficial effects of basic procedures.

It is important to you, therefore, to become familiar with a few of these basic procedures:

- 1. Remove 'O' rings only with the 'O' ring extractor supplied with the machine.
- 2. Clean the machine according to the instructions.
- 3. Lubricate all 'O' rings and seals, as instructed.
- 4. The wearing or the improper cleaning of the beater shaft seal, will result in leakage from the rear. Check the drip tray frequently and replace the seal when necessary.
- 5. Replace any 'O' ring that has a nick in it. If not replaced, it will leak and interfere with the proper performance of the machine.
- 6. When all the spare parts supplied with the machine are used, re-order immediately. Do not wait until the part is required again.
- 7. NEVER use the AUTO position for washing, sanitizing and initially filling the freezing cylinder.
- 8. IMPORTANT During the washing and sanitizing period, run the machine only for time strictly necessary for this operation. Prolonged use of the beater in the Cleaning position may cause severe damage to the machine.
- 9. Always wash metal, plastic or rubber parts in lukewarm water. NEVER, NEVER USE HOT WATER!

IMPORTANT

As the model LB-100B is an air cooled machine, its efficiency depends on the air cooled condenser. The fins of the condenser must be cleaned every two or three months to assure efficiency.

WARNING

Extreme care must be taken when removing side, rear or control box panels.

Always turn the Selector Switch to the OFF position. Also, turn off the Disconnect Switch on the electrical supply line before exposing any electrical connections and/or moving parts, such as belts, pulleys, fan blades and beater.

TROUBLE SHOOTING GUIDE

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PROBLEM	POSSIBLE CAUSE	SUGGESTED REMED	
1) Machine will not start	a) No power to the machine	a) Check circuit brea selector switch po and power supply w	
	b) Off on overload	b) Wait 5 minutes and push reset button	
	c) Malfunctioning selector switch	c) Contact service ac	
	d) Dispense head	d) Check if dispense	
	safety switch not energized	is properly closed if pin is activating the safety switch located behind the front panel	
	e) Beater motor	e) Check if 24 volt	
	and compressor contactor not energized	transformer is ope ating properly	
	calibration or malfunctioning b) Machine low on refrigerant c) Insufficient freezing time	service agency b) Contact authorize service agency c) Increase freezing	
3) Product too hard	a) Freezing time too long	a) Check for proper freeze time and t H.O.M. setting	
4) Machine will not freeze	a) Restricted air flow	a) Remove obstructi or restriction	
	b) Compressor not working	b) Contact authorize service agency	
	c) System refrigerant low	c) Contact authorize service agency	
	d) Malfunctioning H.O.M.	d) Contact authorize service agency	
	e) Malfunctioning	e) Contact authorize	
	contactor f) Insufficient power supply	service agency f) Contact authorize service agency	

5) Compressor will not start		Low line voltage Open starting capacitor. Relay contacts not closing		Check power supply voltage. Determine voltage drop Replace start capac Replace defective re
, T		c)	Off on high pressure	c)	Clean condenser. Refrigerant over-cha
6)) Compressor operates long or continuously	a)	Shortage of refrigerant	a)	Repair leak and recharge
			Dirty condenser Location too warm		Clean condenser Change to cooler location
7)	Burnt rubber odor		Product in cylinder frozen too hard Drive belt slipping		Refer to H.O.M. adjustment Tighten belt
8) Mix dripping from dispense head	a)	Damaged or worn O-ring	a)	Replace suspect o-ring
9)) Mix dripping from side overflow drip tray	a)	Damaged or worn beater seal	a)	Replace beater seal

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CODE NO.	DESCRIPTION		
1654250	Retaining Knob		
1657380*	Retaining Spring		
1720070*	Seal -Selector Switch		
1720110	Selector Switch - Complete		
1720172*	Knob-Selector Switch		
1723070	Mechanical Timer		
1745050	Plastic Drip Tray		
1745390	Console .		
1902151	Panel – Left Side		
1903142*	Panel – Right Side		
1904141*	Panel – Rear		
1907130	Panel – Top		

*Not Pictured

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CODE NO.	DESCRIPTION		
1651341	Dispense Head - Plastic		
1652340	Gate Cover – Round		
1653290	Knob - Ball		
1654080	Retaining Rod – Cover		
1654310	Stud – Ball Knob		
1657020	Dispense Handle		
1657200	Dispense Chute		
1657270	Pivot Bracket - Dispense Head		
1657350	Tension Spring – Gate Cover		
1750490	Fill Cover		
3410130	0-Ring 228		
1685160	0-Ring 443		
3516390	Screw – Ball Knob		

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CODE NO.	DESCRIPTION	
1411190	Beater Seal	
1518090	Snap Ring	
1612120	Base - Transmission Housing	
1613091	Shaft - Drive Transmission	
1613370	Seal Plug	
1616180	Seal	
1618201	Flywheel	
1640471	Beater	
1708271	Motor Sheave	
1785170	Ball Bearing	
1914260	Drive Belt	
3112180	Condenser Fan	
3202050	Beater Motor	
3203210	Condenser Fan Motor	

LB-100B PARTS IDENTIFICATION

ITEM NO.	CODE NO.	DESCRIPTION	
1	1724350	Compressor Contactor	
2	1724350	Beater Motor Contactor	
3	1724660	Overload Protector	
17	1723780	Electronic H.O.M.	
5	3213500	Current Transformer	
6	3213090	Main Transformer	
7	3219400	Terminal Block 115 V (Individual Block)	
- 8	1711560	Terminal Block 24 V (Individual 4 Conductor)	
9	1711550	Terminal Block 24 V (Individual 2 Conductor)	

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ELECTRICAL PARTS (REFERENCE FIG.S PG.6)

SPARE PARTS NOT PICTURED

CODE NO.	DESCRIPTION	CODE NO.	DESCRIPTION
1540130	Spatula	1745380	Screw-Console MTG.
1540140	O-Ring Extractor	1746010	Cover-Drip Tray Hole
1610260	Pulley-Belt Tension Arm	1746020	Spring-Cover
1610700	Arm-Belt Tension	3250060	Compressor Start Capacitor
1720321	Safety Switch-Disp. Head	3250410	Beater Motor Start Capacitor
1720370	Reset Button-Complete	3250420	Beater Motor Run Capacitor
1727500		3250570	Compressor Relay
or 1727560	EXPANSION VALVE	330236	Compressor .75 HP
1727570	Orifice for 1727500	3306390	High Pressure Cut-Out
or 1727840	Orifice for 1727560	3540110	Sanitary Lubricant
1731200	Air Condenser	<u></u>	
1731301	Shroud for 1731200		

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