# Technical Manual and Replacement Parts List

# Beverage Dispenser



MODEL SKBD105P/SONIC

SILVER KING REFRIGERATION INC.

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# TECHNICAL MANUAL MODEL SKBD105P/SONIC CREAM DISPENSER INSTALLATION, OPERATION AND MAINTENANCE

Thank you for purchasing Silver King food service equipment. Our goal is to provide our customers with the most reliable equipment in the industry today. Please read this manual and the accompanying warranty information before operating your new Silver King unit. Be sure to complete and mail the warranty card within 10 days of purchase to validate your warranty.

Upon delivery of your new Silver King unit, inspect the carton and unit for shipping damages. Report any damage immediately to the transportation carrier and file a written freight damage claim to protect your investment. If a claim is to be filed, save all packaging materials.

#### INSTALLATION

The stainless steel exterior of the cabinet has been protected by a plastic covering during manufacturing and shipping. This covering can be readily peeled before installation. After removing this covering, wash the interior and exterior surfaces using a warm mild soapy water solution and a sponge or cloth, rinse with clean water and wipe dry.

#### Location:

When locating your cream dispenser, convenience and accessibility are important considerations, but the following factors must be observed:

- When placing the unit on a counter, the counter must be able to support a minimum of 100 pounds.
- When placed on a counter, the unit must be on the feet supplied. If the feet are removed the unit will not operate properly and the warranty will be void.
- There must be at least two inches of clear space above, on the sides and behind the unit and open in front.
- Correct serving height is important so that those using the dispenser can operate the dispenser properly.
- The unit must be level. The feet are adjustable to aid in leveling the unit.
- Avoid placing the unit next to an oven, heating element or hot air source which would affect the performance of the unit.

#### **Electrical Connections:**

Be sure to check the data plate, located on the liner of the cabinet, for required voltage prior to connecting the unit to power. The specifications on the data plate supersede any future discussion.

The standard dispenser is equipped with an seven (7) foot power cord that requires a 115 Volt, 60 Cycle, 1 Phase or 230 Volt, 50 Cycle, 1 Phase properly grounded electrical receptacle (please check the serial plate for voltage information). The power cord comes with a 3 prong plug for grounding purposes. Any attempt to cut off the grounding spike or to connect to an ungrounded adapter plug will void the warranty, terminate the manufacturer's responsibility and could result in serious injury.

### Operation

#### **Initial Startup**

After satisfying the installation requirements, the cream dispenser is ready to start. The unit will start when the power cord is connected to a live electrical receptacle. This can be verified by checking the indicator panel on the front of the unit. The indicator should display the current unit temperature. If the unit does not start when the power cord is plugged in, make sure that the switch on the back of the unit is in the 'on' position. Allow the unit to run a minimum of two hours before loading it with product. It is completely normal for the exterior of the unit to feel warm while it is running.

Indicator Panel

The Indicator Panel contains a digital LED display that reads the product temperature during normal operation. The three lower buttons on the Indicator Panel are for selecting portion sizes (small or large). The upper button is used to reset the computer whenever the cream is refilled. This button must be pressed each time the cream is refilled. Press and hold the REFILL button for 3 seconds until the indicator flashes 00.

#### **Preparation for Use**

Once the unit has achieved proper operating temperature, observe the procedures noted in the label on the door liner for loading cream into the cream dispenser. When removing an empty bag of cream, be sure to push the Valve Slide in fully before pulling the Dispensing Tube out of the valve. It may be easier to remove or install the Dispensing Tube in the valve by removing the Valve Insert first then removing or installing the Cream Container. The end of the tube may need to be cleaned daily with a clean cloth to prevent buildup which could affect the dispensing of product. After loading the creamer, press and hold the REFILL button for 3 seconds until the indicator flashes 00.

#### Defrost:

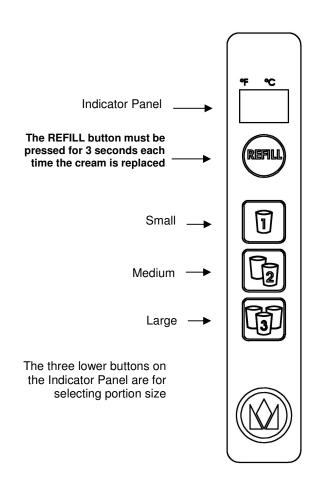
The Silver King cream dispenser is a manual defrost unit. The unit should be defrosted whenever the walls accumulate a frost bank that is 1/2 inch thick. To defrost the unit, either turn the Temperature Control knob to the 'off' position or disconnect the power cord from the electrical receptacle, and open the door. After the frost has melted or come loose from the cabinet walls, wipe out the cabinet interior. Do not attempt to scrape or chisel off the frost as you could do irreparable damage to the unit.

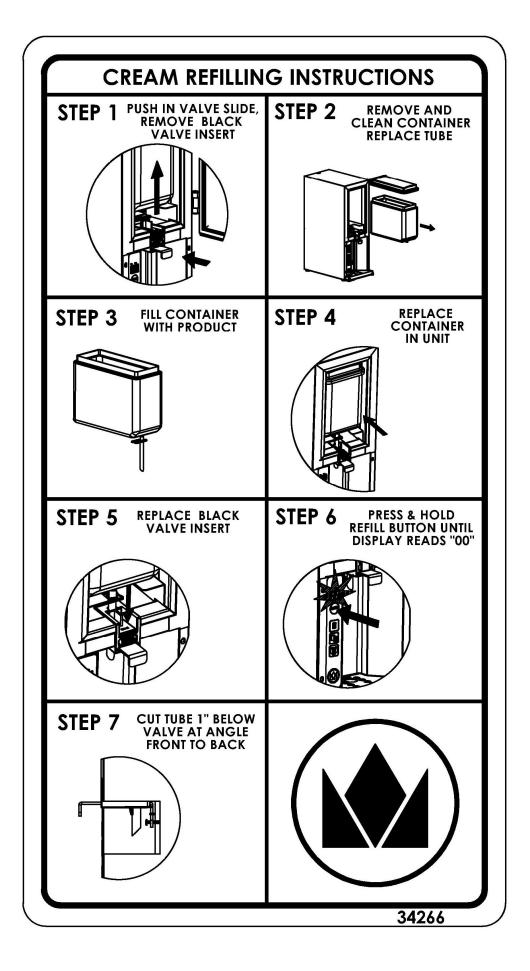
#### **MAINTENANCE**

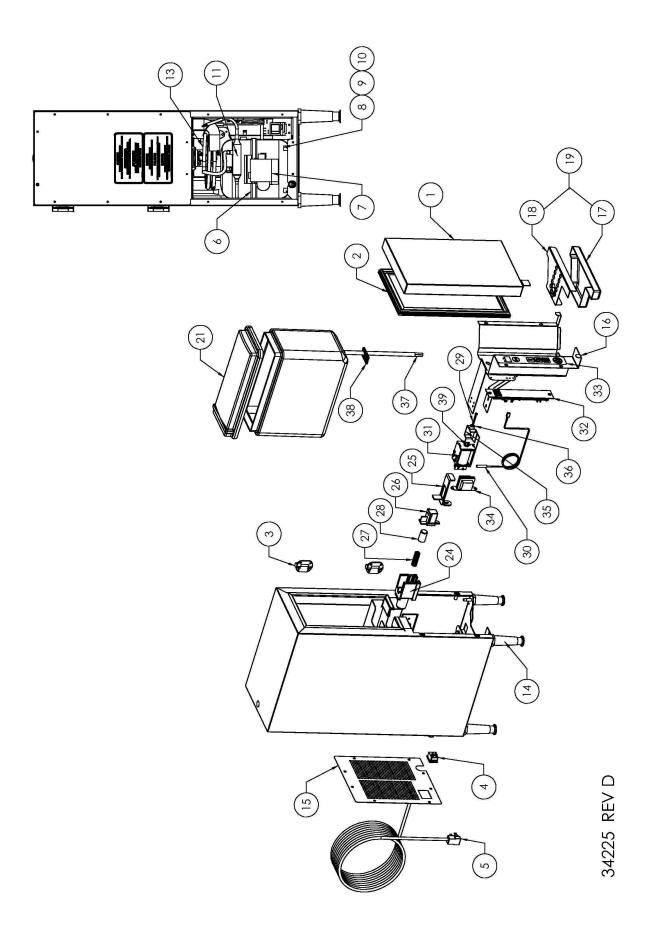
Preventative maintenance is minimal although these few steps are very important to continued operation and maximizing the life of the appliance.

#### **Cabinet Surfaces:**

The cabinet interior and exterior are stainless steel and should be cleaned periodically with a solution of warm water and a mild soap, rinsed and wiped dry with a clean soft cloth. A stainless steel cleaner can also be used. Should a surface become stained or discolored, do not attempt to clean with an abrasive cleaner or scouring pad. Use a soft cleaner and rub with the grain of the metal to avoid scratching the surface. Do not use chlorinated cleaners.







## **REPLACEMENT PARTS LIST - SKBD105P/SONIC**

ITEM NO.	PART DESCRIPTION	PART NUMBER
1	DOOR ASSEMBLY (LESS HINGES)	33501
2	DOOR GASKET	10310-61
3	HINGE	25226
4	SWITCH	26378
5	POWER CORD 115V	22099
6	COMPRESSOR KIT 115V	10343-51
7	ELECTRICALS KIT (RELAY AND OVERLOAD) 115V	10344-51
8	GROMMET, COMPRESSOR MOUNT	20481
9	HAIRPIN CLIP	98106
10	WASHER, COMPRESSOR MOUNT	22401
11	DRIER	22677
13	HEAT EXCHANGER	30876
14	KIT, 4" LEG	10314-89
15	BACK PANEL	31117
16	APRON	31103
17	DRIP TRAY	31118
18	DRIP TRAY COVER	31119
19	KIT, DRIP TRAY AND COVER	33177
21	KIT, REFILLABLE CONTAINER AND LID	34265
24	VALVE BODY	31942
25	VALVE SLIDE	34324
26	VALVE INSERT	31944
27	VALVE SPRING	27019
28	CAP SLEEVE	33726
29	SCREW	25988
30	THERMISTOR	26155
31	SOLENOID 115V	27696
32	ELECTRONIC BOARD (3-BUTTON)	34222
33	MEMBRANE SWITCH (3-BUTTON)	32034
34	ASSY TRANSFORMER 115V	26039
35	SOLENOID LINK	25945
36	PANEL FASTENER	25990
37	TUBE	20323
38	CLIP, TUBE	42256
39	PLUNGER	34877

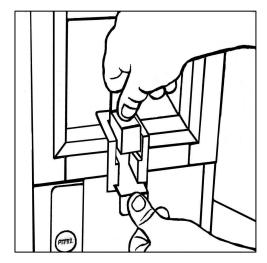
FORM 34225

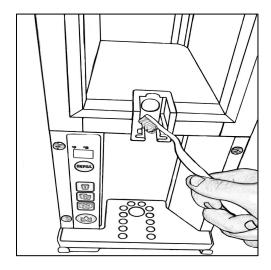
WHEN ORDERING REPLACEMENT PARTS, PLEASE PROVIDE MODEL AND SERIAL NUMBERS

## **Valve Cleaning Procedures**

#### **Removing Valve Insert**

To remove the valve insert once the beverage container is empty, simply press on the valve slide and remove the valve insert by pulling it straight up.





#### Cleaning

Once removed, the valve can be cleaned with a brush and warm soapy water or in a dishwasher. The valve area in the dispenser should also be cleaned with a brush and warm soapy water.

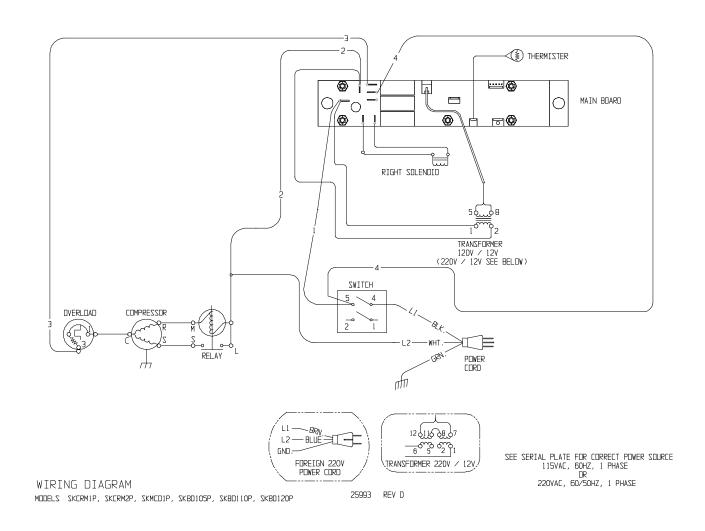
## **Troubleshooting Guide**

Complaint	Cause	Solution
	1. No voltage at wall receptacle	1. Check circuit breaker or fuse
	2. Service cord pulled out of wall	2. Replace
	receptacle	3. Contact power company and
	3. Low voltage causing	confirm that voltage
	compressor to cycle on	fluctuation does not exceed
	overload	10% plus or minus from the
	4. Power switch is in "Off"	nominal rating
	position	4. Turn switch on
Compressor	5. Inoperative control	5. Call service technician
will not run	6. Compressor stuck	6. Call service technician
	7. Compressor windings open	7. Call service technician
	8. Compressor overload stuck	8. Call service technician
	open	9. Call service technician
	9. Relay lead loose	10. Call service technician
	10. Relay loose or inoperative	11. Call service technician
	11. Power cord disconnected from	12. Call service technician
	dispenser	
	12. Faulty cabinet wiring	
	1. System out of refrigerant	1. Call service technician
Compressor	2. Compressor not pumping	2. Call service technician
runs but no	3. Restricted filter drier	3. Call service technician
refrigeration	4. Restricted capillary tube	4. Call service technician
	5. Moisture in system	5. Call service technician
	1. Erratic control thermostat	1. Call service technician
	2. Faulty relay	2. Call service technician
	3. Low voltage	3. Contact power company and
Compressor	4. Compressor draws excessive	confirm that voltage
short cycles	wattage	fluctuation does not exceed
		10% plus or minus from the
		nominal rating
	1 7	4. Call service technician
	1. Temperature to low	1. Adjust temperature control
	2. Erratic control	2. Call service technician
	3. Abnormally high room	3. Reduce room temperature or
	temperature	relocate dispenser
Communication	4. Door or lid gaskets not sealing	4. Adjust or call service
Compressor	5. System undercharged due to	technician
runs too much	leaks	5. Call service technician
or constantly	6. System undercharged from	<ul><li>6. Call service technician</li><li>7. Call service technician</li></ul>
	factory 7. System overcharged	<ul><li>7. Call service technician</li><li>8. Call service technician</li></ul>
	ı •	9. Call service technician
	<ul><li>8. System not clean</li><li>9. Restricted filter drier</li></ul>	10. Call service technician
		10. Can service technician
	10. Restricted capillary tube	

Noisy	<ol> <li>Tubing vibrates</li> <li>Internal compressor noise</li> <li>Compressor vibrating on cabinet frame</li> </ol>	<ol> <li>Call service technician</li> <li>Call service technician</li> <li>Call service technician</li> </ol>
Beverage leaking or not flowing	<ol> <li>Tube kinked</li> <li>Valve stuck</li> </ol>	<ol> <li>Remove valve and pull tube straight through valve area</li> <li>Clean valve and valve area or call for service</li> </ol>

## **Ordering Parts/Service**

Contact Silver King Refrigeration at 800-328-3329 for technical assistance.



Model\_\_\_\_\_ Serial No.\_\_\_\_ Date Installed\_\_\_\_\_