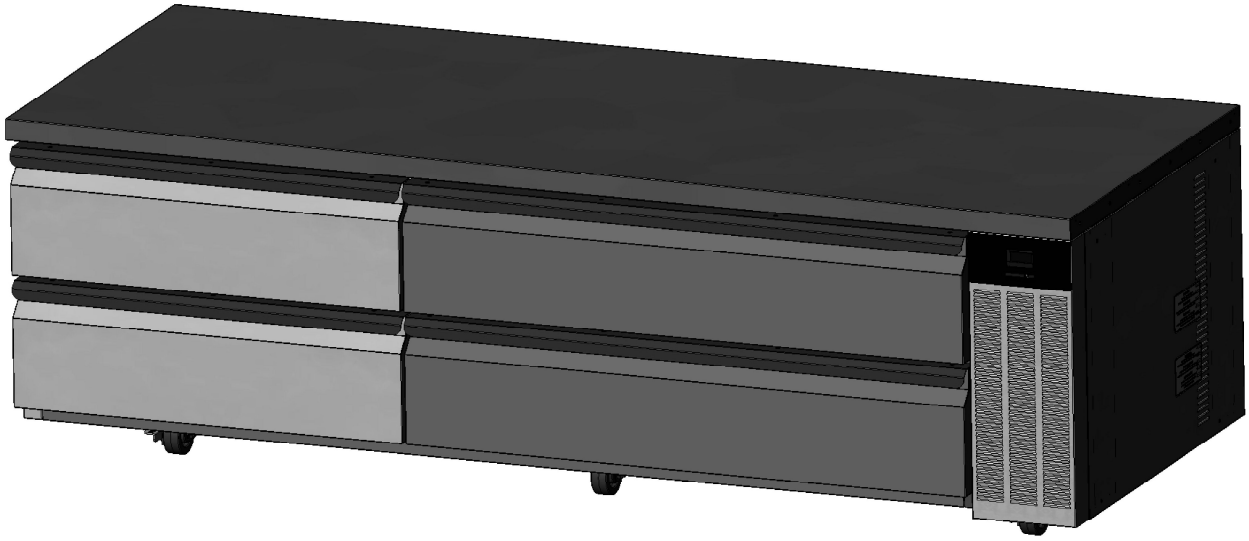
Technical Manual
and
Replacement Parts List

Freezer Chef Base



MODELS SKFCB79H (SHOWN)
SKFCB84H

SILVER KING REFRIGERATION INC.

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Phone (763) 923-2441

SILVER KING®

Specifications Subject to Change Without Notice.

TECHNICAL MANUAL
SILVER KING FREEZER CHEF BASE
MODEL SKFCB79H AND SKFCB84H

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.

INSPECT FOR DAMAGE AND UNCRATE
Upon delivery of your new Silver King unit, uncrate at once to examine and test for possible damage following the instructions printed on the exterior of the container. Report any damages to the carrier responsible for transportation and promptly present a claim for any evidence of mishandling. Save all packaging materials if a claim must be filed.

INSTALLATION
The stainless steel exterior of the cabinet has been protected by a plastic covering during manufacturing and shipping. This covering can be readily stripped before installation. After removing this covering, wash the interior and exterior surfaces using a warm, mild soapy water solution and a sponge or soft cloth. Rinse afterward with clean water and wipe dry. Do not use chlorinated cleaners.

Location
When locating your new Silver King unit, convenience and accessibility are important considerations, but the following installation guidelines must be observed;

- When stacking cooking equipment on these units observe the following load limits: Models SKFCB79H and SKFCB84H have a maximum limit of 1100 pounds of stacked equipment.
- Stacked cooking equipment should not transfer excessive heat down onto the cabinet. When cabinet surface temperatures exceed 150° F damage to cabinet insulation may occur.
- The unit must be level.
- Allow at least 6 inches of space at the back and right side of the unit to allow for proper air flow through the louvered panels.
- All caster brakes should be set when the unit is positioned in its intended place.

Legs/Casters
The unit comes with six legs or casters. To install them, tip the unit on its back (remove the drawers first to lighten the unit) and locate the four hex-screw patterns on the base of the unit. These hex screws are used to mount the plate casters. Remove the hex screws, align a plate caster over the four hole pattern and re-install the hex screws tightly to mount the casters. The casters with brakes should be installed at the front of the cabinet.

Drawers
To remove drawers for cleaning, simply open them fully, lift up on the front of drawer, and pull drawer out. Replace drawers in the same fashion.

With drawer removed, the roller members can be removed by rocking the top of the roller member out when the roller member is pushed all the way to the back of the cabinet.

The drawer system is rated for a maximum dynamic load of 275 pounds. The drawers are not designed or intended as a surface to stand on. At no time should the drawers be extended and used as a platform for standing on to reach elevated equipment.

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 a power source. The specifications on the data plate supersede any future discussion.

The standard unit is equipped with an eight (8) foot power cord that requires a 115 Volt, 60 Cycle, 1 Phase properly grounded electrical receptacle. 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.

The circuit must be protected with a 15 or 20 ampere fuse or breaker. The unit must be isolated on a circuit and not plugged into an extension cord.

OPERATION
Initial Start Up:
After satisfying the installation requirements, the unit is ready to start. The unit will start when the power cord is connected to the required power source. If the compressor does not start when the unit is initially plugged in, check to make sure that the power switch is not in the 'off ' position. Allow the unit to run a minimum of two hours before loading it with product.

Temperature Control
The Electronic Temperature Control is located on the front of the cabinet and is factory set to maintain an average cabinet temperature of -5 to 5 Deg. F. Temperature may rise with prolonged drawer opening or following a defrost cycle.

Temperature Adjustment
Pressing the SET button for one second will display the set-point value.

After pressing the SET button for a few seconds, the set-point value blinks;

Press the UP of DOWN button to increase or decrease the set-point value; press the SET button once/more to confirm the new value. Allow the unit a minimum of one hour to respond to a control setting adjustment.

Manual Defrost
Besides the automatic defrost; it is possible to activate a manual defrost by pressing the DOWN (melting snowflake) button for more than 5 seconds.

Continuous Cycle
The compressor can be put into a continuous run for 4 hours by pressing the UP (snowflake) button for more than 5 seconds.

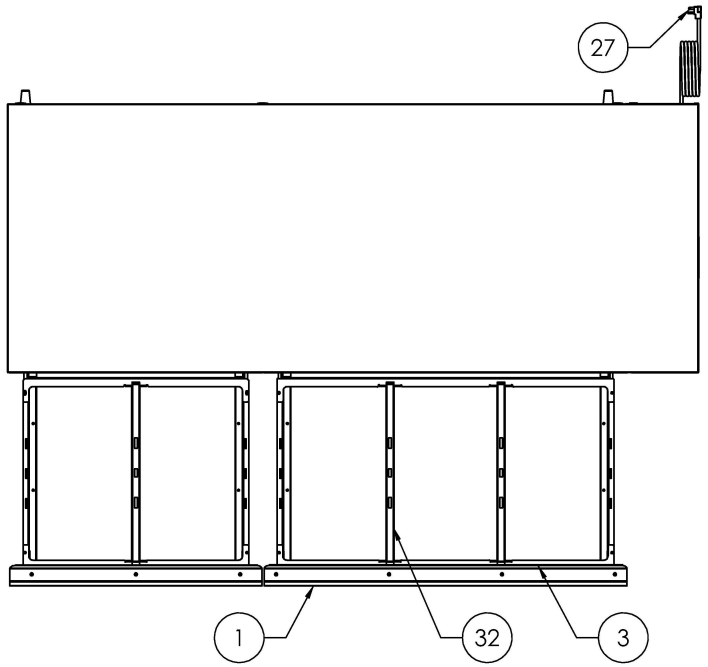
Defrost
Your Silver King unit is an automatic defrost unit. No additional plumbing is required. Defrost water is collected in a pan located in the compressor compartment where it is evaporated into the room air. It is important that the unit be level so the condensate can drain properly.

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. These surfaces should be cleaned periodically with a solution of warm water and mild soap. After cleaning the surfaces should be rinsed with clean water and wiped dry with a soft cloth. Stainless steel cleaners can also be used. Should a surface become stained, do not attempt to clean with an abrasive cleaner or scouring pad. Use a soft cleanser and rub with the grain of the metal to avoid scratching the surface. Always rinse well and dry after cleaning. Do not use chlorinated cleaners.

Condenser
Periodically, the condenser coil must be cleaned. The condenser is located behind the front cover at the right front of the unit. Remove the front cover by removing the two (2) screws at the left side of the cover and swinging the cover off the cabinet. The

MODEL _____ SERIAL NO._____ DATE INSTALLED _____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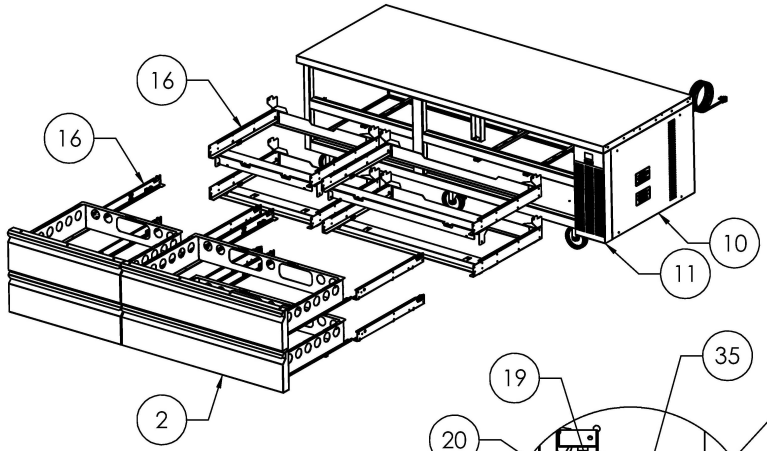
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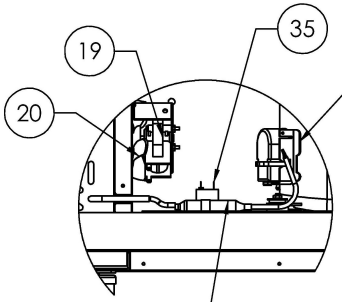
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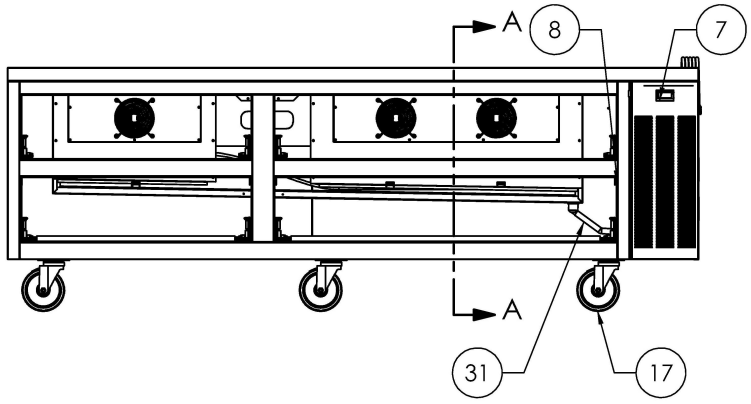
DETAIL B
SCALE 1 : 5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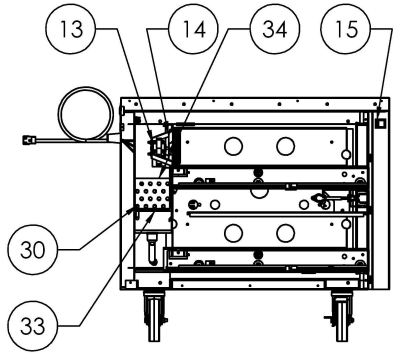
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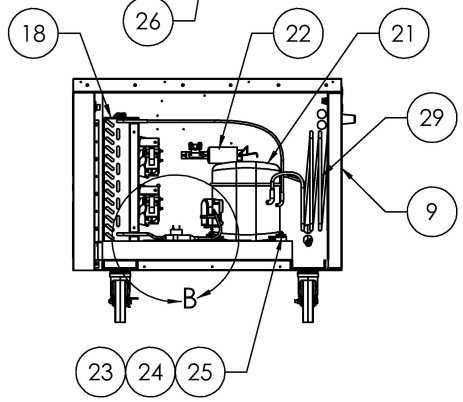
SECTION A-A
SCALE 1 : 10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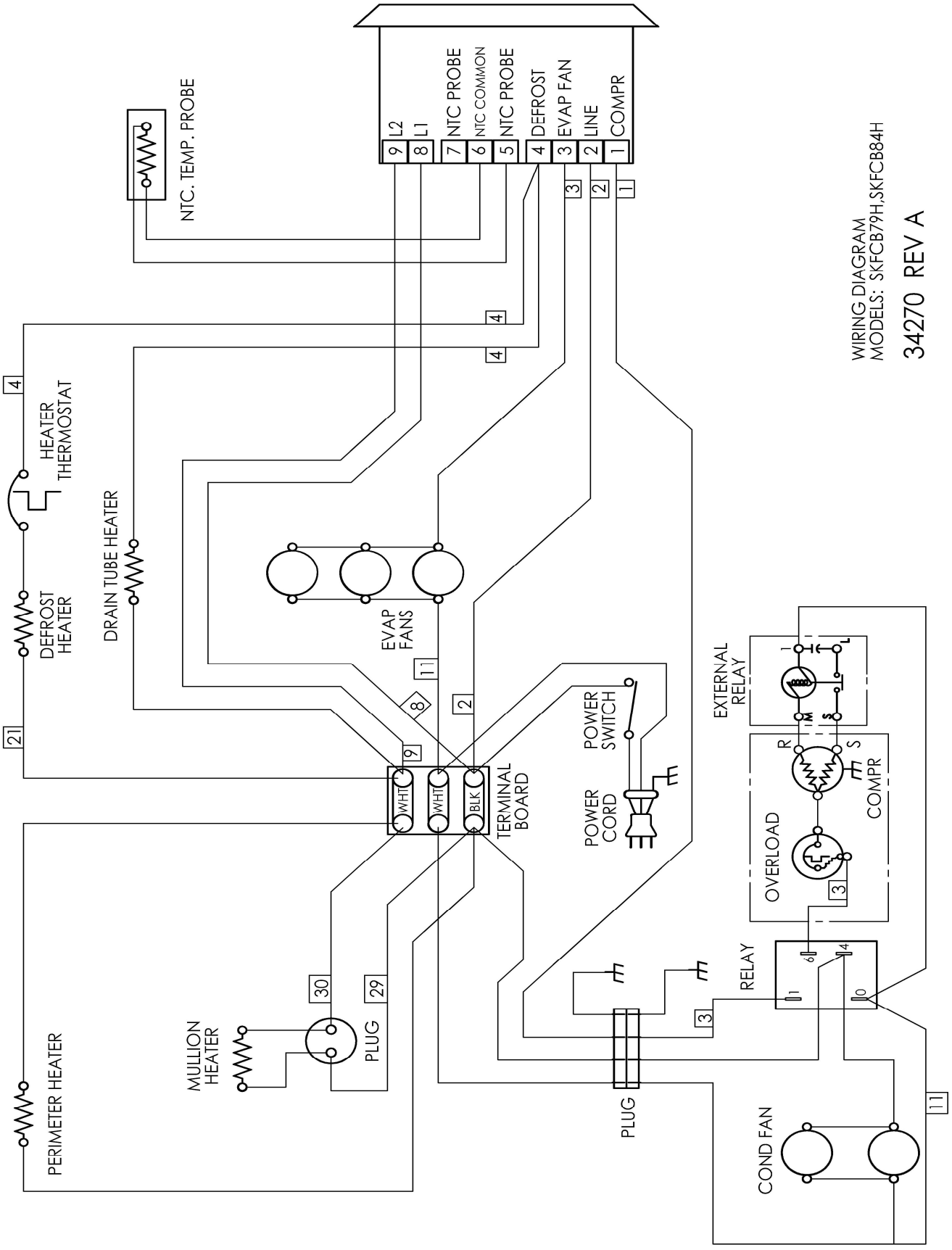
34279 REV. B

REPLACEMENT PARTS LIST – SKFCB79H, SKFCB84H

ITEM NO.	PART DESCRIPTION	PART NO.
1	DRAWER HANDLE (2 PAN DRAWER)	26188
	DRAWER HANDLE (3 PAN DRAWER)	26025
2	DRAWER ASSEMBLY (2 PAN DRAWER)	29013
	DRAWER ASSEMBLY (3 PAN DRAWER)	29014
3	DRAWER GASKET (2 PAN DRAWER)	10310-55
	DRAWER GASKET (3 PAN DRAWER)	10310-56
7	TEMPERATURE CONTROL ELECTRONIC	34835
8	TEMPERATURE CONTROL TEMPERATURE PROBE	30660
9	BACK PANEL	29224
10	RIGHT END PANEL	29223
11	FRONT COVER	32698
	OVERLAY	32700
13	FAN MOTOR 115V	21251-2
14	FAN BLADE	99190
15	POWER SWITCH	26378
16	WELDMENT DRAWER SLIDE BOTTOM 3 PAN	29164
	WELDMENT DRAWER SLIDE TOP 3 PAN	29163
	WELDMENT DRAWER SLIDE BOTTOM 2 PAN	29206
	WELDMENT DRAWER SLIDE TOP 2 PAN	29205
	DRAWER SLIDE ROLLER MEMBER RH	28947
	DRAWER SLIDE ROLLER MEMBER LH	28948
17	LEG KIT (SIX LEGS)	10314-81
	CASTER KIT 4 INCH (SIX CASTERS)	10314-78
	CASTER KIT 6 INCH (SIX CASTERS)	10314-76
18	CONDENSER COIL	29855
19	FAN MOTOR 115V	21251-2
20	FAN BLADE	22943
21	COMPRESSOR KIT 115/60 (SKFCB79H AND SKFCB84H)	10343-65
22	ELECTRICAL KIT (RELAY/OVERLOAD/CAP.) 115/60 (SKFCB79H AND SKFCB	10344-65
23	GROMMET - COMPRESSOR MOUNT	20481
24	CARRIAGE BOLT	99823
25	WASHER - COMPRESSOR MOUNT	20886
	NUT	98040
26	DRIER	23793
27	POWER CORD 115V	32199
29	HEAT EXCHANGER (CAP TUBE AND SUCTION LINE) (SKFCB79H AND SKFCB	32136
30	EVAPORATOR COIL - LARGE	29877
30	EVAPORATOR COIL - SMALL	31922
31	DRAIN TUBE HEATER 115V	29950
32	ADAPTER BAR	28726
33	DEFROST HEATER 115V	32125
34	DEFROST HEATER THERMOSTAT	33338
35	COMPRESSOR RELAY 115V	32589

WHEN ORDERING REPLACEMENT PARTS, PLEASE PROVIDE MODEL AND SERIAL NUMBERS


WIRING DIAGRAM
MODELS: SKFCB79H,SKFCB84H
34270 REV A
NTC. TEMP. PROBE
9 L2
8 L1
7 NTC PROBE
6 NTC COMMON
5 NTC PROBE
4 DEFROST
3 EVAP FAN
2 LINE
1 COMPR
HEATER THERMOSTAT
DRAIN TUBE HEATER
DEFROST HEATER
EVAP FANS
TERMINAL BOARD
WHIT
WHIT
BLK
POWER SWITCH
POWER CORD
EXTERNAL RELAY
OVERLOAD
COMPR
RELAY
COND FAN
PLUG
MULLION HEATER
PERIMETER HEATER