

Technical Manual and Replacement Parts List

Freezer



MODELS SKF27
SKF27B



MODELS SKF27D
SKF27BD

SILVER KING REFRIGERATION INC.

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SILVER KING®

Specifications Subject to Change Without Notice.



TECHNICAL MANUAL
SILVER KING FRONT BREATHING FREEZER
MODELS SKF27, SKF27B, SKF27D, SKF27BD

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;

- Always avoid locating the unit adjacent to an oven, heating element or hot air source which could adversely affect the performance of the unit.
- The unit must be level.
- For proper ventilation, the bottom front of the unit must not be obstructed.

Legs/Casters:

Models without a base come with Legs or Casters. To install them, tilt the unit and thread the Legs or Casters into the four Rivnuts in the bottom of the cabinet. Make sure that they are installed tightly to prevent future thread wear.

Condenser Filter Screen

On models without a base, the Condenser Filter Screen, Screen Pull and Filter Guides are packaged inside the cabinet. The instructions for installing these parts are included in this technical manual. On models with a base, the Condenser Filter Screen is factory mounted behind the Base Grill. Remove the Base Grill and ensure that the Condenser Filter Screen is in place. Do not operate the unit without the filter screen installed!

Shelves:

Inside the unit you will find Shelves and a plastic bag containing Shelf Supports. The Shelf Supports with the “tang” go on the rear Pilasters. This shelf system allows for easy adjustment to suit your needs.

Door Adjustment and Swing:

Should the door ever require straightening, loosen the screws on the hinges, square the door with the cabinet and retighten the screws.

The mounting of the door is easily reversible on single door units should space or convenience require that you do so. Simply remove the screws holding the hinges, rotate the door 180 degrees and relocate the hinges on the side opposite their original location.

Drawers:

To remove the Drawers on the drawer models for cleaning, simply open them fully, push the stop levers out of the way on the Cabinet Drawer Tracks while pulling the Drawer out. To reinstall the Drawer, line up the Drawer Tracks on the cabinet and the Drawer and push the Drawer into the cabinet. The Drawer Pan can be removed by lifting it out with the Drawer extended.

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 manufacturers 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 temperature control is not in the 'off' position. Allow the unit to run a minimum of two hours before loading it with product. When loading the unit with product, take care not to block the air flow at the back of the cabinet as this would affect the performance of the cabinet.

Temperature Control:

The Temperature Control is located on the back wall of the cabinet liner and is factory set to maintain an average cabinet temperature of 0 Deg. F. To obtain colder temperatures turn the Temperature Control knob clockwise and visa versa. Allow the unit a minimum of one hour to respond to a control setting adjustment.

Defrost:

Your Silver King unit is an automatic defrost unit. No additional plumbing is required. Automatic defrosting is accomplished by a defrost heater and timer. Frost buildup on the evaporator coil is cleared at six hour intervals. 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 Filter Screen must be cleaned. On cabinets without a base, the Condenser Filter Screen is located on the bottom of the cabinet. To remove it, simply pull it out the front of the unit using the Filter Screen Pull. On cabinets with a base, the Condenser Filter Screen is located behind the Base Grill. Simply remove the Base Grill to gain access to it. Clean the Condenser Filter Screen by rinsing it in a stream of water. Dry the screen by tapping it on a counter or floor. On the models without a base, replace the Condenser Filter Screen by placing it into the Filter Guides on the bottom of the unit and sliding it all the way to the rear of the cabinet. On the models with a base, replace the Condenser Filter Screen by placing it onto the angled support and reattaching the Base Grill. Do not operate the unit without the filter screen installed!

Door Gasket

The Door Gasket will collect dirt and should be wiped clean with a warm, mild soapy water solution to extend its life and assure maximum cabinet performance and life.

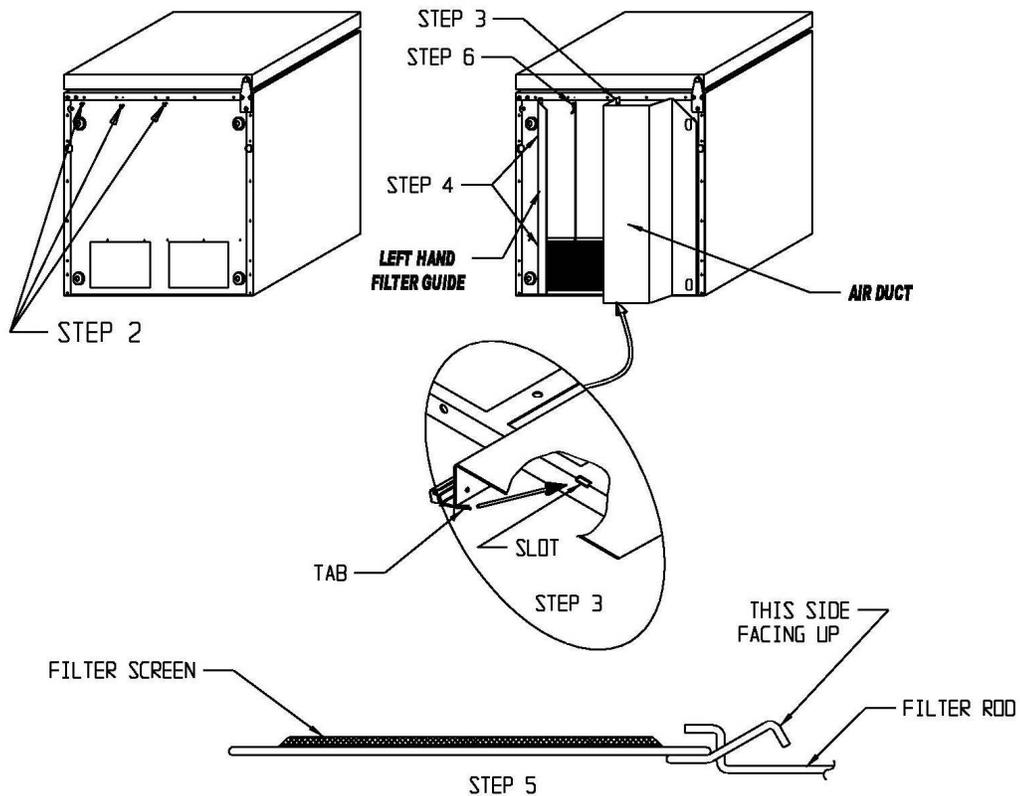
MODEL _____ SERIAL NO. _____ DATE INSTALLED _____

INSTALLATION OF AIR DUCT

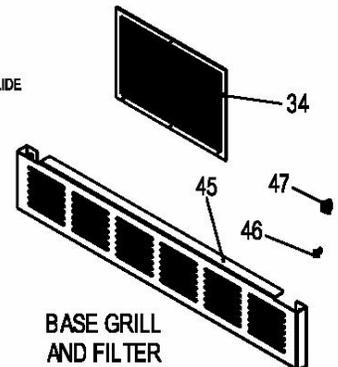
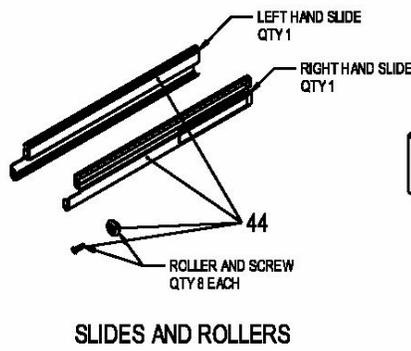
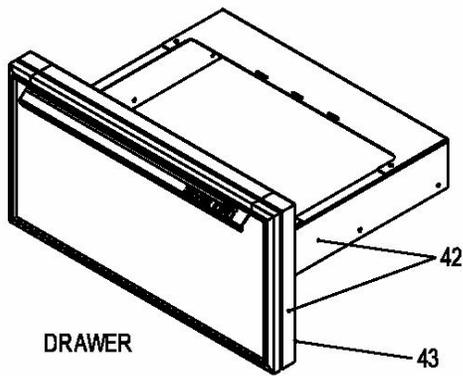
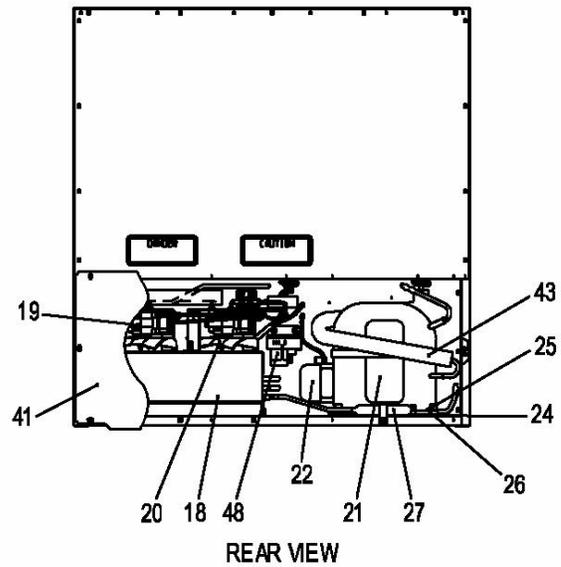
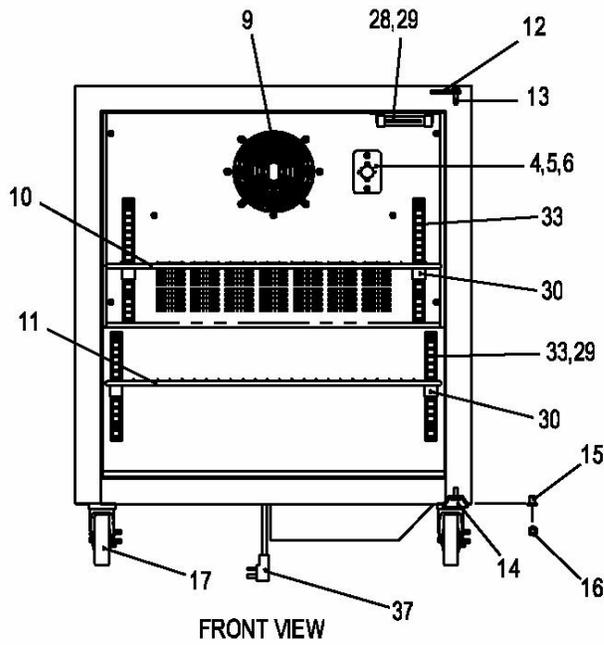
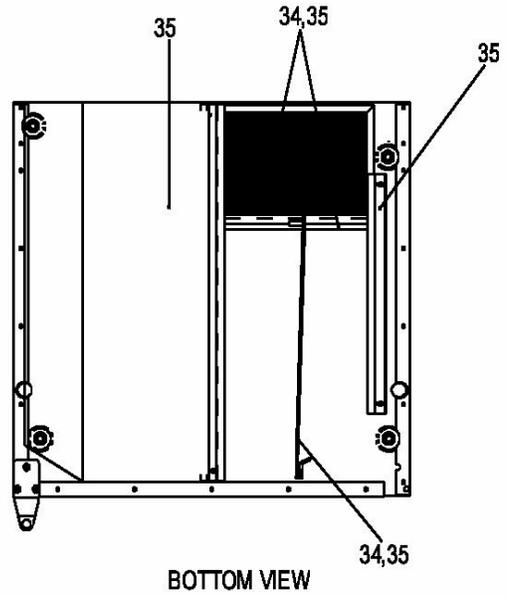
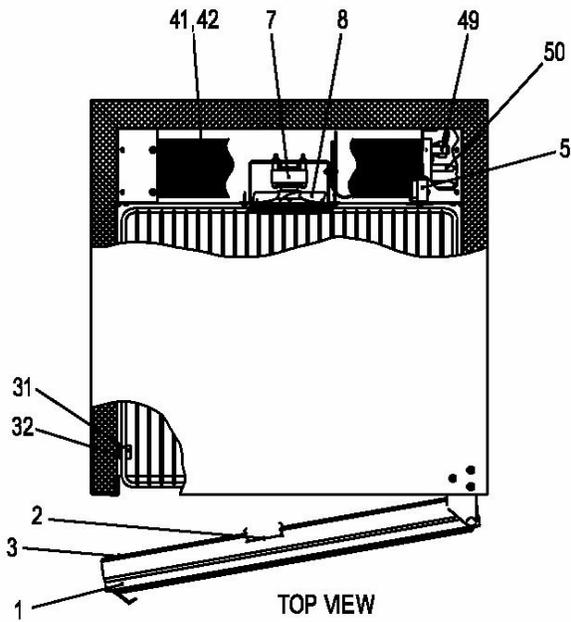
MODELS: SKF27, SKF27D

DO NOT OPERATE UNIT WITHOUT FILTER SCREEN AND AIR DUCT INSTALLED

1. Disconnect unit from power source.
2. Tip the unit on its back and loosen the three phillips screws along the front edge of the base.
3. Insert tab on the end of the air duct assembly into the slot located along the back center edge of the base of the unit tighten screw to secure to base.
4. Slip the ends of the left hand filter guide under the two screws located along the left side of the base and tighten to secure.
5. Hook the filter rod up through the hole in the filter screen as shown.
6. Insert filter screen into guides and slide back until the screen stops, secure the filter rod under the phillips screw as shown and tighten.
7. Install legs or casters.
8. Return unit to original upright position and connect to power source.



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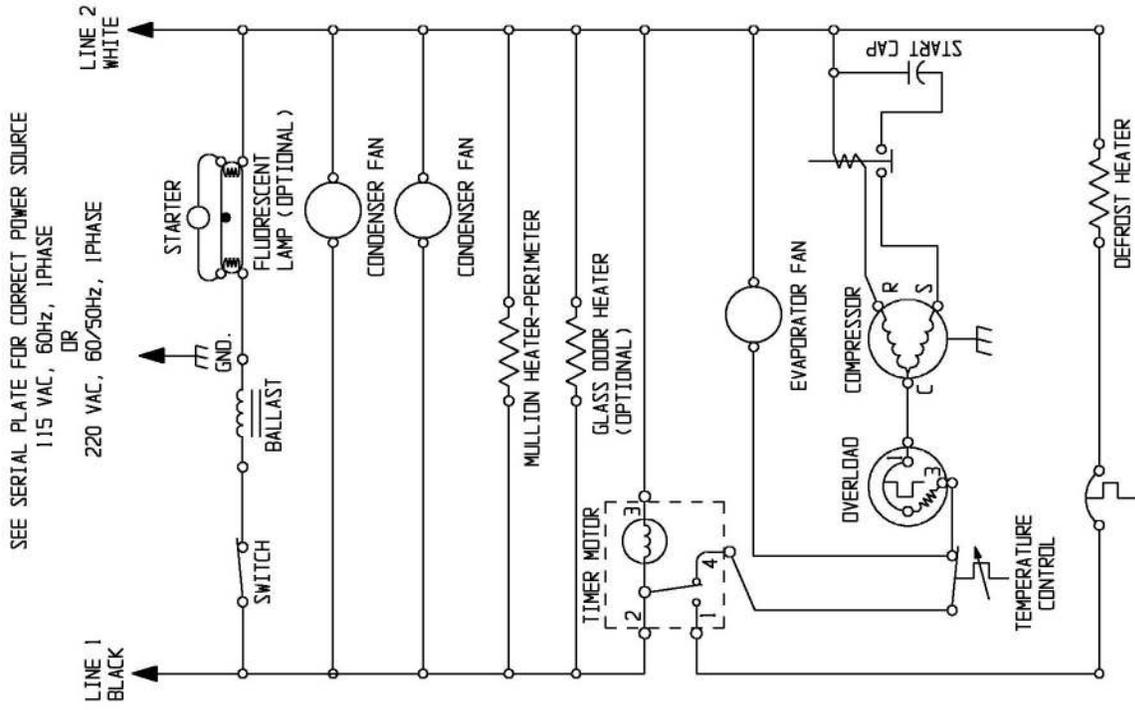
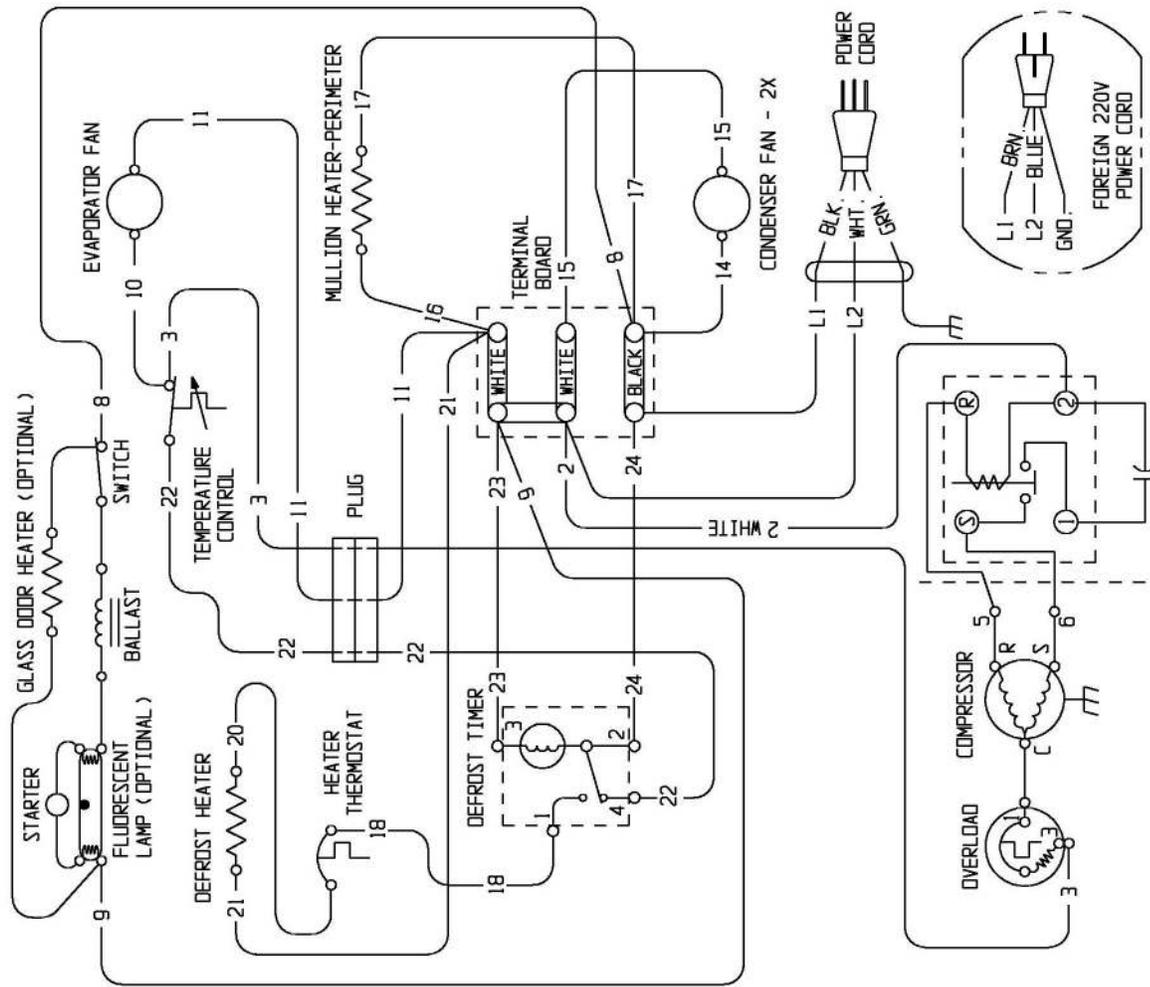


29880 REV A

REPLACEMENT PARTS LIST – MODELS SKF27, SKF27B, SKF27D, SKF27BD

ITEM NO.	PART DESCRIPTION	PART NO.
1	DOOR, COMPLETE	25885
2	DOOR LINER	10309-13
3	DOOR GASKET	10310-44
4	PLATE, TEMPERATURE CONTROL	20653
5	TEMPERATURE CONTROL	42575
6	KNOB, TEMPERATURE CONTROL	21487
7	FAN MOTOR, 115V/60HZ	21256
	FAN MOTOR, 230V/50HZ	21256-1
8	FAN BLADE, 5"	99196
9	FAN GUARD	41473
10	SHELF, UPPER	43503
11	SHELF, LOWER	43504
12	HINGE, TOP	27181
13	HINGE PIN, TOP	22415
14	HINGE, BOTTOM	24549
15	DOOR BUSHING	99711
16	DOOR SPACER	23341
17	CASTER KIT, 3"	10314-63
18	CONDENSER COIL	43339
19	FAN MOTOR, 115V	21251-2
	FAN MOTOR, 230V	21251-3
20	FAN BLADE, 5"	99196
21	COMPRESSOR, 115V/60HZ	10343-59
	COMPRESSOR, 230V/50HZ	10343-61
22	ELECTRICAL KIT, 115V (RELAY, OVERLOAD, CAPACITOR)	10344-59
	ELECTRICAL KIT, 230V (RELAY, OVERLOAD, CAPACITOR)	10344-61
24	GROMMET, COMPRESSOR MOUNT	20481
25	HAIRPIN CLIP	98106
26	WASHER, COMPRESSOR MOUNT	22401
27	DRIER	23793
28	TEMPERATURE INDICATOR	22409
29	SCREW	97007
30	SHELF SUPPORT, WITH TANG	99531
31	SHELF SUPPORT	99530
32	PILASTER, 16"	42986
33	PILASTER, 8.5"	43515
34	FILTER SCREEN ASSEMBLY	27270-1
	FILTER SCREEN	43499
35	FILTER SCREEN KIT WITH AIR DUCT	27263-12
37	POWER CORD, 115V	23514
	POWER CORD, 230V	43263
38	EVAPORATOR / HEAT EXCHANGER ASSEMBLY	63783
39	EVAPORATOR COIL	63455
40	HEAT EXCHANGER	63653
41	REAR PANEL	25258
	REAR PANEL, BASE	27053
42	DRAWER ASSEMBLY	26905
43	DRAWER GASKET	10310-51
44	DRAWER SLIDES AND ROLLERS	10327-15
	DRAWER ROLLER - SINGLE	26943
45	GRILL, BASE	27916
46	GRILL STRIKE, BASE	99825
47	GRILL LATCH, BASE	99824
48	DEFROST TIMER, 115V	99291
	DEFROST TIMER, 230V	99296
49	DEFROST THERMOSTAT	22626
50	DEFROST HEATER, 115V	26072
	DEFROST HEATER, 230V	26073

WHEN ORDERING REPLACEMENT PARTS, PLEASE PROVIDE MODEL AND SERIAL NUMBERS



SEE SERIAL PLATE FOR CORRECT POWER SOURCE
115 VAC, 60Hz, 1PHASE
OR
220 VAC, 60/50Hz, 1PHASE

WIRING DIAGRAM
MODEL SKF27
SKF270
SKF2780