



WELLS BLOOMFIELD, LLC

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OWNERS MANUAL

**HALF-SIZE
CONVECTION OVEN
with
HOTPLATE
and GRIDDLE
COOK TOP**

**MODEL
OC-2HG**

**Includes
INSTALLATION
USE & CARE
EXPLODED VIEW
PARTS LIST
WIRING DIAGRAM**

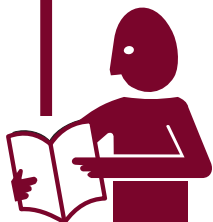


*Model OC-2HG with
Left-Hand Griddle*

IMPORTANT: DO NOT DISCARD THIS MANUAL

This manual is considered to be part of the appliance and is to be given to the OWNER or MANAGER of the restaurant, or to the person responsible for TRAINING OPERATORS of this appliance. Additional manuals are available from your WELLS DEALER.

THIS MANUAL MUST BE READ AND UNDERSTOOD BY ALL PERSONS USING OR INSTALLING THIS APPLIANCE. Contact your WELLS DEALER if you have any questions concerning installation, operation or maintenance of this equipment.



PRINTED IN UNITED STATES OF AMERICA

LIMITED WARRANTY STATEMENT

Unless otherwise specified, all commercial cooking equipment manufactured by WELLS BLOOMFIELD, LLC is warranted against defects in materials and workmanship for a period of one year from the date of original installation or 18 months from the date of shipment from our factory, whichever comes first, and is for the benefit of the original purchaser only.

THIS WARRANTY IS THE COMPLETE AND ONLY WARRANTY, EXPRESSED OR IMPLIED IN LAW OR IN FACT, INCLUDING BUT NOT LIMITED TO, WARRANTIES OF MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PURPOSE, AND/OR FOR DIRECT, INDIRECT OR CONSEQUENTIAL DAMAGES IN CONNECTION WITH WELLS BLOOMFIELD PRODUCTS. This warranty is void if it is determined that, upon inspection by an authorized service agency, the equipment has been modified, misused, misapplied, improperly installed, or damaged in transit or by fire, flood or act of God. It also does not apply if the serial nameplate has been removed, or if service is performed by unauthorized personnel. The prices charged by Wells Bloomfield for its products are

based upon the limitations in this warranty. Seller's obligation under this warranty is limited to the repair of defects without charge by a Wells Bloomfield factory authorized service agency or one of its sub-service agencies. This service will be provided on customer's premises for non-portable models. Portable models (a device with a cord and plug) must be taken or shipped to the closest authorized service agency, transportation charges prepaid, for service. In addition to restrictions contained in this warranty, specific limitations are shown in the Service Policy and Procedure Guide. Wells Bloomfield authorized service agencies are located in principal cities. This warranty is valid in the United States and Canada and void elsewhere. Please consult your classified telephone directory, your foodservice equipment dealer or contact:

Wells Bloomfield, LLC
10 Sunnen Dr., P.O.Box 430129 St. Louis MO 63143 USA
phone (314) 781-2777 or fax (314) 781-2714

for information and other details concerning warranty.

SERVICE POLICY AND PROCEDURE GUIDE and ADDITIONAL WARRANTY EXCLUSIONS

1. Resetting of safety thermostats, circuit breakers, over load protectors, and/or fuse replacements are **not** covered by this warranty unless warranted conditions are the cause.
2. All problems due to operation at **voltages or phase other than specified on equipment nameplates** are **not** covered by this warranty. Conversion to correct voltage and/or phase must be the customer's responsibility.
3. All problems due to **electrical connections not made in accordance with electrical code requirements and wiring diagrams** supplied with the equipment are **not** covered by this warranty.
4. Replacement of items **subject to normal wear**, to include such items as knobs, light bulbs; and, normal maintenance functions including adjustments of thermostats, adjustment of micro switches and replacement of fuses and indicating lights are **not** covered by warranty.
5. Damage to electrical cords and/or plug due to exposure to excessive heat are **not** covered by this warranty.
6. Full use, care, and maintenance instructions supplied with each machine. Noted maintenance and preventative maintenance items, such as servicing and cleaning schedules, are customer responsibility. Those miscellaneous adjustments noted are customer responsibility. Proper attention to preventative maintenance and scheduled maintenance procedures will prolong the life of the appliance.
7. Travel mileage is limited to **sixty (60) miles** from an Authorized Service Agency or one of its sub-service agencies.
8. All labor shall be performed during regular working hours. Overtime premium will be charged to the buyer.
9. All genuine Wells replacement parts are warranted for ninety (90) days from date of purchase on non-warranty equipment. This parts warranty is limited only to replacement of the defective part(s). **Any** use of **non-genuine** Wells parts completely **voids any warranty**.
10. Installation, labor, and job check-outs are **not** considered warranty and are thus **not** covered by this warranty.
11. Charges incurred by delays, waiting time or operating restrictions that hinder the service technician's ability to perform service are **not** covered by warranty. This includes institutional and correctional facilities.

SHIPPING DAMAGE CLAIM PROCEDURE

NOTE: For your protection, please note that equipment in this shipment was carefully inspected and packaged by skilled personnel before leaving the factory. Upon acceptance of this shipment, the transportation company assumes full responsibility for its safe delivery.

IF SHIPMENT ARRIVES DAMAGED:

1. **VISIBLE LOSS OR DAMAGE:** Be certain that any visible loss or damage is noted on the freight bill or express receipt, and that the note of loss or damage is signed by the delivery person.
2. **FILE CLAIM FOR DAMAGE IMMEDIATELY:** Regardless of the extent of the damage.

3. **CONCEALED LOSS OR DAMAGE:** if damage is unnoticed until the merchandise is unpacked, notify the transportation company or carrier immediately, and file "CONCEALED DAMAGE" claim with them. This should be done within fifteen (15) days from the date the delivery was made to you. Be sure to retain the container for inspection.

Wells Bloomfield cannot assume liability for damage or loss incurred in transit. We will, however, at your request, supply you with the necessary documents to support your claim.

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INTRODUCTION

Thank You for purchasing this Wells Bloomfield appliance.

Proper installation, professional operation and consistent maintenance of this appliance will ensure that it gives you the very best performance and a long, economical service life.

This manual contains the information needed to properly install this appliance, and to use and care for the appliance in a manner which will ensure its optimum performance.

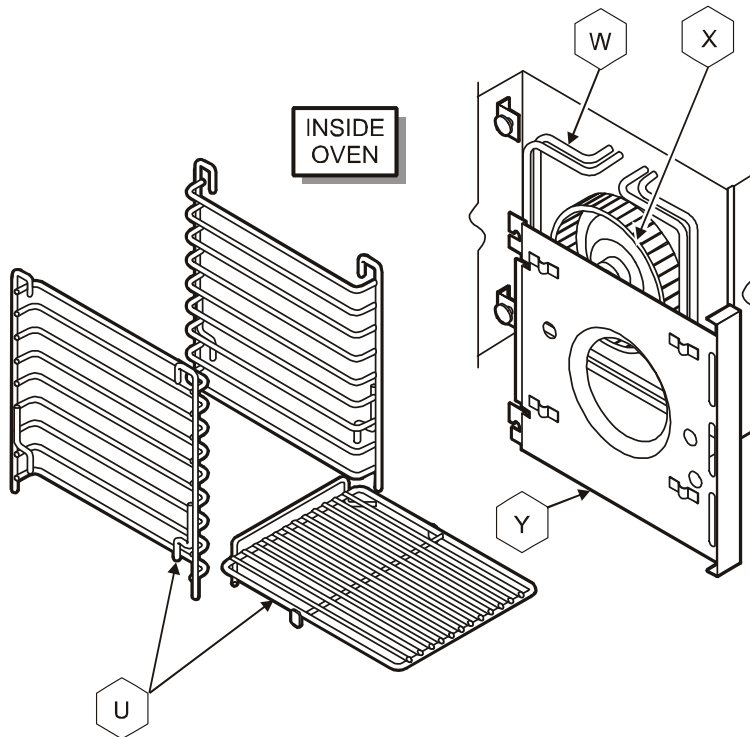
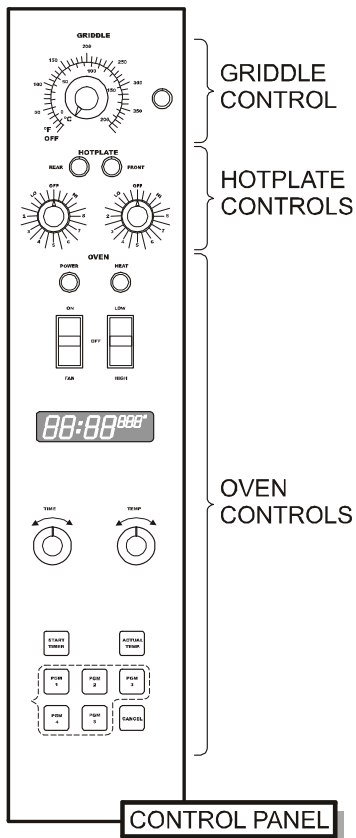
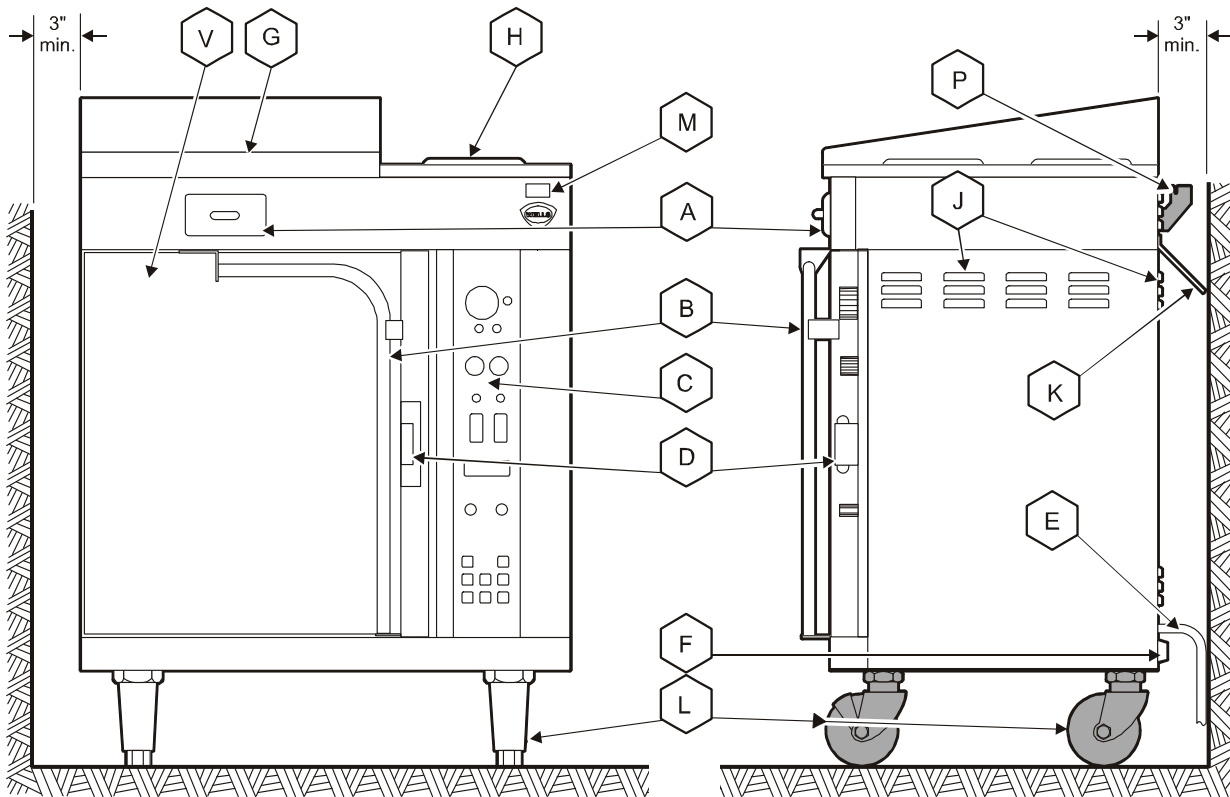
SPECIFICATIONS

DIMENSIONS	APPLIANCE	OVEN CAVITY
Wide	30-1/8" (765mm) 36-1/8" (918mm) incl. 3" side spacers (req'd. to maintain clearance to combustible walls)	14-3/8" (365mm)
Deep	25-1/4" (641mm) oven only 27-7/8" (682mm) incl. handle	21" (533mm)
High	25-1/8" (638mm) oven only 35-1/2" (895mm) incl. cook-top (no legs) 41-1/4" (1048mm) incl. cook-top and legs	20" (508mm)
Door Swing	20" (508mm) radius	

ELECTRICAL	VOLTS	kW	AMPS		
			L1	L2	L3
	208 VAC 3Ø 60Hz	15.2	45.9	39.4	41.4
	240 VAC 3Ø 60Hz	15.6	41.4	35.3	35.8

Note: Shipped from the factory 3 phase.
Unit is NOT approved for conversion to single phase

FEATURES & OPERATING CONTROLS



FEATURES & OPERATING CONTROLS (continued)

ITEM	DESCRIPTION	FUNCTION
A	GREASE DRAWER	Collects waste grease from griddle
B	DOOR HANDLE	Open oven door. Isolated from oven heat
C	CONTROL PANEL	Mounts controls for griddle, hotplate and oven. See <i>Operation</i> section for functional details.
D	DOOR LATCH	Holds door closed
E	ELECTRICAL SUPPLY INLET	Electrical power hooks-up here (shown for reference only)
F	FUSES	Provide over-current protection for electrical components.
G	GRIDDLE SECTION	Flat heated cooking surface
H	HOTPLATE SECTION	Two hotplates for cooking or warming
J	COOLING LOUVERS	Provide ventilation for motor and electronic components
K	DRIP SHIELD	Protects fuses from liquid spills
L	ADJUSTABLE LEGS or OPTIONAL CASTERS	Legs allow free-standing unit to be leveled. NOTE: Unit can be curb mounted or equipped with optional casters.
P	OPTIONAL PROTEIN VENTING KIT	Additional venting to allow cooking protein products in the oven.
U	OVEN RACKS AND RACK SUPPORTS	Hold product to be cooked in convection oven
V	CONVECTION OVEN SECTION	Heated cavity with circulation fan for cooking, baking and roasting
W	OVEN HEATING ELEMENTS	Provide heat for oven operation
X	OVEN FAN	Provides circulation for convection operation
Y	OVEN FAN BAFFLE	Completes fan chamber, separates heating elements from cooking compartment and holds right rack support

PRECAUTIONS AND GENERAL INFORMATION



WARNING: ELECTRIC SHOCK HAZARD

All servicing requiring access to non-insulated electrical components must be performed by a factory authorized technician. DO NOT open any access panel which requires the use of tools. Failure to follow this warning can result in severe electrical shock.



CAUTION: HOT SURFACE

Exposed surfaces can be hot to the touch and may cause burns. Cooking surfaces are very hot during operation and will cause severe burns on contact with unprotected skin.

This appliance is intended for use in commercial establishments only.

DO NOT connect or energize this appliance until all installation instructions are read and followed. Damage to the appliance will result if these instructions are not followed.

This appliance is intended to prepare food for human consumption. No other use is recommended or authorized by the manufacturer or its agents.

Operators of this appliance must be familiar with the appliance use, limitations and associated restrictions. Operating instructions must be read and understood by all persons using or installing this appliance.

Cleanliness of this appliance is essential to good sanitation. Read and follow all included cleaning instructions and schedules to ensure the safety of the food product.

Disconnect this appliance from electrical power before performing any maintenance or servicing.

DO NOT submerge this appliance in water. This appliance is not jet stream approved. Do not direct water jet or steam jet at this appliance, or at any control panel or wiring. Do not splash or pour water on, in or over any controls, control panel or wiring. Do not wash floor around this appliance with water or steam jet.

Exposed surfaces of this appliance can be hot to the touch and may cause burns.

Do not operate this appliance if the control panel is damaged. Do not operate this appliance if the keypad section of the control panel is torn or broken. Call your Authorized Wells Service Agent for service.

The technical content of this manual, including any wiring diagrams, schematics, parts breakdown illustrations and/or adjustment procedures, is intended for use by qualified technical personnel.

Any procedure which requires the use of tools must be performed by a qualified technician.

This manual is considered to be a permanent part of the appliance. This manual and all supplied instructions, diagrams, schematics, parts breakdown illustrations, notices and labels must remain with the appliance if it is sold or moved to another location.

This appliance is made in the USA. Unless otherwise noted, this appliance has American sizes on all hardware.

AGENCY LISTING INFORMATION



STD 4



E6070

This appliance conforms to NSF Standard 4 for sanitation only if installed in accordance with the supplied *Installation Instructions* and maintained according to the instructions in this manual.

This appliance is  Listed under UL File E6070 for 208V and 240V.

UNPACKING & INSPECTION

Carefully remove the appliance from the carton. Remove all protective plastic film, packing materials and accessories from the Appliance before connecting electrical power or otherwise performing any installation procedure.

Carefully read all instructions in this manual and the *Installation Instruction Sheet* packed with the appliance before starting any installation.

Read and understand all labels and diagrams attached to the appliance.

Carefully account for all components and accessories before discarding packing materials. Store all accessories in a convenient place for later use.

COMPONENTS

- 5 ea. OVEN RACKS
- 2 ea. RACK SUPPORTS
- 1 ea. FAN BAFFLE
- 4 ea. ADJUSTABLE LEGS

ACCESSORIES

- 1 ea. LITERATURE PACKAGE

SERVICE TECHNICIAN INSTALLATION NOTES

1. Installation and start up should be performed by an authorized installation company. Installer must record installation particulars on the *CUSTOMER SERVICE DATA* form on page 23 of this manual.
2. Verify that this equipment installation is in compliance with the specifications listed in this manual and with local code requirements.

NOTE: DO NOT discard the carton or other packing materials until you have inspected the appliance for hidden damage and tested it for proper operation. Refer to *SHIPPING DAMAGE CLAIM PROCEDURE* on the inside front cover of this manual.



WARNING: RISK OF PERSONAL INJURY

Installation procedures must be performed by a qualified technician with full knowledge of all applicable electrical and plumbing codes. Failure can result in personal injury and property damage.

IMPORTANT:
It is the RESPONSIBILITY OF THE INSTALLER to check with the AUTHORITY HAVING JURISDICTION, in order to verify compliance with local codes and ordinances for THIS SPECIFIC EQUIPMENT INSTALLATION.

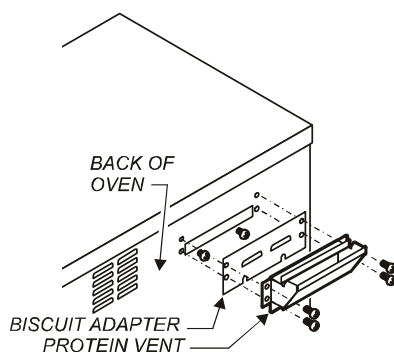
INSTALLATION (continued)



WARNING: ELECTRIC SHOCK HAZARD

All servicing requiring access to non-insulated electrical components must be performed by a factory authorized technician. DO NOT open any access panel which requires the use of tools. Failure to follow this warning can result in severe electrical shock.

NOTE: Oven is shipped with biscuit baking adapter plate attached to rear panel. If oven is used exclusively for bread products (bread, pies, etc.), DO NOT remove this adapter. Optional Venting Kit #23035 is available to allow cooking protein products. If oven is used for proteins, remove adapter and install the external vent. When cooking protein, additional venting is required to decrease release of cooking vapors when opening the door.



Optional Vent Duct Installation

EQUIPMENT SET-UP

1. CURB or COUNTER MOUNTING
 - a. Setup the appliance only on a firm, level, non-combustible surface. Verify local codes for requirements. Concrete, tile, terrazzo or metal surfaces are recommended. Metal over combustible material may not meet code for non-combustible surfaces.
 - b. Appliance is approved for installation with zero clearance at bottom.
 - c. Recommend at least 3" clearance on sides and back to allow adequate air flow.
2. INSTALLING LEGS
 - a. Install adjustable legs, one on each corner of the appliance, in the holes provided.
 - b. Set up the appliance only on a firm, level, non-combustible surface. Verify local codes for requirements. Concrete, tile, terrazzo or metal surfaces are recommended. Metal over combustible material may not meet code for non-combustible surfaces.
 - c. LEVELING: Verify that the appliance sits firmly ON ALL FOUR LEGS. With a spirit level, check that the appliance is level front-to-back and side-to-side.
3. INSTALLING OPTIONAL CASTERS
 - a. Install casters, one on each corner of the appliance, in the holes provided. Locking casters must be installed on the FRONT of the appliance.
 - b. Set up the appliance only on a firm, level, non-combustible surface. Verify local codes for requirements. Concrete, tile, terrazzo or metal surfaces are recommended. Metal over combustible material may not meet code for non-combustible surfaces.
 - c. LEVELING: Verify that the appliance sits firmly on all four casters when in its normal operational position. With a spirit level, check that the appliance is level front-to-back and side-to-side.



DANGER: ELECTRICAL SHOCK HAZARD

ELECTRICAL CONNECTIONS MUST BE MADE BY A
LICENSED ELECTRICIAN

Electrical shock will cause death or serious injury.

Refer to the nameplate on the front of the appliance.

- Verify the ELECTRICAL SERVICE POWER.
- Voltage and phase must match the nameplate specifications, and available electrical service amperage must meet or exceed the specifications listed on page 1.
- Wiring must be no less than 4 AWG solid copper wire, rated for at least 90°C.

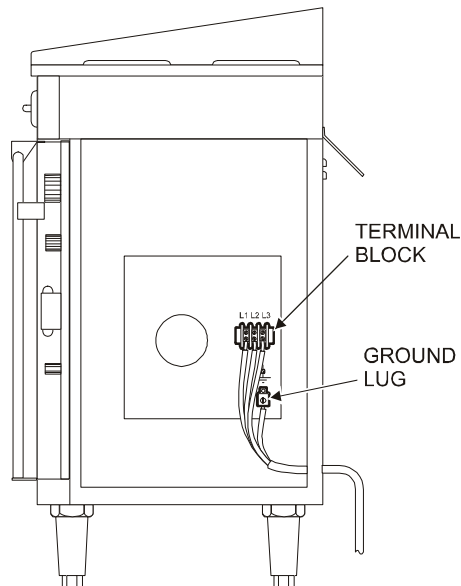
NOTE: Wire gauge, insulation type and temperature rating, as well as type, size and construction of conduit, must meet or exceed applicable specifications of local codes and of the National Electrical Code.

1. Electrical connection terminal block and ground lug are accessible by removing the right side panel.
2. This appliance must be connected to a suitable building ground. The equipment ground connection is marked "  ".

3. The appliance is shipped from the factory wired for 3-phase electrical service. Refer to the *Wiring Diagram* included with this appliance, and verify that field wiring conforms to this diagram.

IMPORTANT: This appliance is not approved for 1Ø operation. Conversion of this appliance to single-phase operation will void the warranty.

4. Reinstall right side panel at completion of electrical hook-up.



CAUTION: RISK OF DAMAGE

DO NOT connect or energize this appliance until all installation instructions are read and followed. Damage to the appliance will result if these instructions are not followed.



CAUTION: ELECTRICAL SHOCK HAZARD

The ground lug of this appliance must be connected to a suitable building ground.

IMPORTANT:

Contact a licensed electrician to install and connect electrical power to the appliance.

IMPORTANT:

Damage due to being connected to the wrong voltage or phase is NOT covered by warranty.

IMPORTANT:

The appliance is shipped from the factory wired for 3-phase (3Ø) electrical service. This appliance is not approved for 1Ø operation. Conversion of this appliance to single-phase operation will invalidate the UL listing and void the warranty.

OPERATION

SUGGESTED COOKING TIMES

A. CONVECTION OVEN

PRODUCT	TEMP °F	TIME MINUTES	NUMBER OF RACKS
BREAD PRODUCTS			
Hamburger Roll	300	15	5
Bread (1 lb loaves)	325	34	3 (12 loaves)
Roll	300	16	5 (60 rolls)
Baking Soda Biscuit	400	7	
For best baking results, use rack positions 2, 5 & 8 (where rack position 1 is the top rack)			
Baking one pan: use rack 5; baking 2 pans: use racks 2 & 8.			
PASTRIES			
Sheet Cake (2½ lbs. per pan)	300	17	5
Frozen Fruit Pie (46oz.)	350	50	5 (10 pies)
Frozen Fruit Pie (26oz. - 8" dia.)	350	40	5 (15 pies)
Sugar Cookie	300	15	5
Danish Roll	350	12	5
Fruit Cake	275	75	3
Cake (1 lb.)	300	19	5 (10 cakes)
FISH			
Fish Stick	350	15	5
Halibut Steak (Frozen 5 oz.)	350	20	5
FOWL			
Turkey, Rolled (18 lb. roll)	310	3¾ hr	1
Chicken (2½ lb. quartered)	350	30-35	5
Chicken (Breast)	350	30	5
OTHER			
Melted Cheese Sandwich	400	8	5
Idaho Potato (120 potatoes)	450	40	5
Beef Pot Pie	400	30-35	5
Macaroni & Cheese	350	30	5
Turkey Pot Pie	400	30-35	5

NOTE: "HIGH" fan speed provides the fastest cook time. "LOW" fan speed is used for foods which are sensitive to air currents, such as meringue pie.

B. GRIDDLE

PRODUCT	TEMP °F	TIME MINUTES
Sausage (Link or Patty)	350	3-4
Bacon	350	2-3
Canadian Bacon	350	2-3
Ham Steak	375	3-4
Minute Steak	400	3-4
Hamburger	350	3-4
Melted Cheese Sandwich	375	3-4
Hot Dog	325	2-3
French Toast	350	2-3
Pancakes	375	2
Eggs, Scrambled	300	1-2
Eggs, Hard Fried	300	3
Eggs, Sunny Side Up	300	2

OPERATION (continued)

GRIDDLE SECTION

- G.01 GRIDDLE TEMPERATURE CONTROL:
Thermostat, controls 0°F(OFF) to 400°F
- G.02 GRIDDLE HEAT ON INDICATOR

HOTPLATE SECTION

- H.01 FRONT HOTPLATE TEMPERATURE
CONTROL: Infinite Switch, OFF to HIGH
- H.02 FRONT HOTPLATE HEAT ON INDICATOR
- H.03 REAR HOTPLATE TEMPERATURE
CONTROL: Infinite Switch, OFF to HIGH
- H.04 REAR HOTPLATE HEAT ON INDICATOR

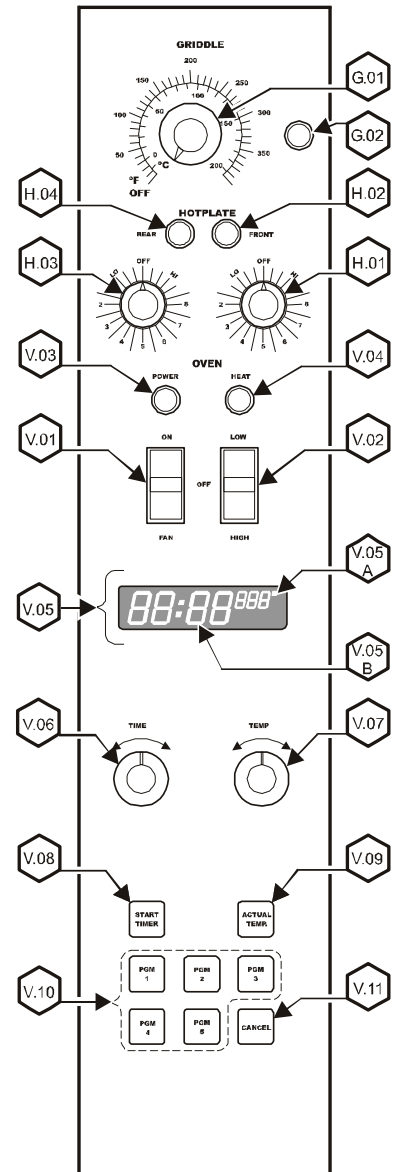
CONVECTION OVEN SECTION

- V.01 OVEN POWER SWITCH, 3 position
ON (oven + fan) - OFF - FAN (only)
- V.02 FAN SPEED SWITCH, 2 position
HI - LOW
- V.03 OVEN POWER ON INDICATOR
- V.04 OVEN HEAT ON INDICATOR
- V.05 DIGITAL READOUT: Displays oven
temperature, cook time and oven programming information
 - A. TEMPERATURE DISPLAY(°F)
 - B. TIME DISPLAY (minutes:seconds)
 - C. ERROR CODES (see page 17)
- V.06 OVEN TIME CONTROL
- V.07 OVEN TEMPERATURE CONTROL
- V.08 TIMER / PROGRAM START BUTTON
- V.09 ACTUAL TEMP BUTTON: Press to view current oven
Fahrenheit temperature on readout
- V.10 PROGRAM SELECTION BUTTONS:
Press and hold while turning controls to program time and temp
Press and release to begin program
- V.11 CANCEL BUTTON: Press to: cancel a selected program in
progress; or, to silence the audible alarm at the end of
a cook cycle



CAUTION:
HOT SURFACE

Cooking surfaces are very hot and will cause burns on contact with unprotected skin.



OPERATION

CONVECTION OVEN OPERATING INSTRUCTIONS



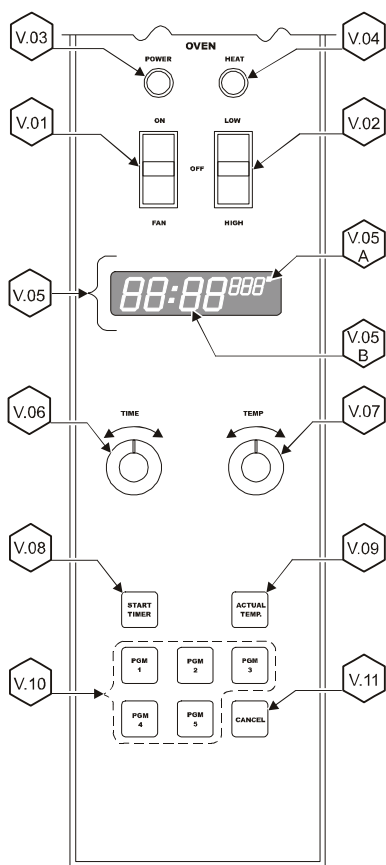
CAUTION ELECTRIC SHOCK HAZARD

DO NOT splash or pour water onto control panel or wiring.



CAUTION BURN HAZARD

Oven surfaces can be hot to the touch and can cause burns on contact.



MANUAL COOK MODE

1. Set the OVEN POWER SWITCH (V.01) to **ON**. The OVEN POWER ON INDICATOR (V.03) will be lit when the switch is **ON**.
2. Rotate OVEN TEMPERATURE CONTROL knob (V.07) until the desired cooking temperature is displayed on the READOUT (V.05A). The oven will begin heating, and the temperature digits will flash, until the set temperature is reached.
3. Rotate OVEN TIME CONTROL knob (V.06) until the desired time is displayed on the READOUT. The digits and colon will flash, indicating that time has been set but the timer is not started.
4. Load product in the oven. Press START TIMER key (V.08). The timer digits count down and the colon (only) flashes during the timer period.
5. At the end of the timer period, an audible alarm will sound. Press CANCEL key (V.11) to silence the alarm.

HINT: For best baking results when making baking soda biscuits, use rack positions 2, 5 & 8 (where rack position 1 is the top rack).
 When baking one pan: use rack 5 (center rack);
 when baking 2 pans: use racks 2 & 8;
 when baking three pans: use racks 2, 5 & 8.

PROGRAM COOK MODE

1. Five (5) programmable keys (V.10) are provided for presetting frequently used time / temperature combinations. To set:
 - a. Press and hold the appropriate PGM key.
 - b. While holding the PGM key, turn the TIME and TEMP knobs until the desired time and temperature is displayed on the readout.
 - c. Release the PGM key to store the displayed time and temp in memory.
2. The program for any PGM key can be recalled by momentarily pressing that PGM key.
3. To start a programmed cook cycle, press the appropriate PGM key and the START TIME key. Once the cook cycle has started, the TIME and TEMP knobs are locked out to prevent accidental re-programming.
4. The actual oven temperature may be recalled at any time by pressing the ACTUAL TEMP key (V.09).
5. At the end of the timer period, an audible alarm will sound. Press CANCEL key (V.11) to silence the alarm.

TEMPERATURE OFFSET MODE

1. A user preference offset mode is provided should the user feel the oven cooks too hot or too cold.
2. The OFFSET MODE can be used to offset the set / displayed temperature from the sensed temperature by as much as $\pm 35^{\circ}\text{F}$, in 5°F increments:
 - a. Rotate the TIME controller until the time digits on the display read "00:00".
 - b. Rotate the TEMP control until the temp digits display between 400° and 500° .
 - c. Press and hold the START TIMER key for five seconds.
 - d. Turn either the TIME or TEMP control until the desired offset is displayed.
 - e. Press the ACTUAL TEMP key to exit.

OPERATION

GRIDDLE OPERATING INSTRUCTIONS

SEASONING

The metal surface of the griddle has microscopic pores. It is important to fill the pores with oil to provide a hard, non-stick cooking surface.

1. Turn GRIDDLE TEMPERATURE CONTROL (G.01) clockwise to 375°F. Allow the griddle to heat until the GRIDDLE HEAT ON INDICATOR (G.02) goes *OFF*, showing that the griddle is up to the set temperature.
2. Spread a light film of oil over the entire griddle surface.
3. Allow the oil film to "cook in" for 2 - 3 minutes, or until the oil smokes.
4. Wipe the griddle surface with a clean cloth to remove any standing oil.
5. For new griddles, repeat this procedure 2 - 3 times, until the griddle has a slick, clean surface.

COOKING WITH YOUR GRIDDLE

1. Turn the GRIDDLE TEMPERATURE CONTROL (G.01) to the desired cooking temperature. The solid-state thermostatic controller will automatically maintain set temperature.
2. The GRIDDLE HEAT ON INDICATOR(G.02) will be *ON* when the heating elements are energized.



WARNING HOT SURFACES

Griddle surface can be VERY HOT and may cause severe burns on contact.



CAUTION ELECTRIC SHOCK HAZARD

DO NOT splash or pour water onto control panel or wiring.

OPERATION

HOTPLATE OPERATING INSTRUCTIONS

COOKING WITH YOUR HOTPLATE

1. Each element is individually controlled by a TEMPERATURE CONTROL (H.01 and H.03). These are *infinite switch* controls which control based on time on vs time off, not the actual temperature of the hotplate surface.
2. Settings are *OFF* to *HIGH*. Switch position is an indication of temperature in that higher numbers indicate a higher temperature.
3. The associated indicator will be lit when the switch is in any position other than *OFF*.
4. When set to *HIGH*, the hotplate element can reach maximum temperature in seconds. This eliminates the need to pre-heat.
5. Once liquid begins to boil, reduce the setting to minimize power consumption and increase the useful life of the elements.
6. Use cooking pans which fully cover the elements for maximum efficiency.



WARNING HOT SURFACES

Hotplate surface can be VERY HOT and may cause severe burns on contact.



CAUTION ELECTRIC SHOCK HAZARD

DO NOT splash or pour water onto elements, countertop, control panel or wiring.

OVEN CLEANING INSTRUCTIONS



CAUTION: ELECTRIC SHOCK HAZARD

Disconnect appliance from electric power before cleaning.



CAUTION: BURN HAZARD

Allow appliance to cool completely before cleaning. Do not attempt to clean the oven until it has cooled to 150°F or less. It can burn you. Hand protection is required.



CAUTION: CUT HAZARD

FAN BLADES ARE SHARP. Use due care when cleaning and/or wiping.

IMPORTANT: DO NOT spill or pour water into controls, control panel or wiring.

Damage to internal components from water damage is **not** covered by warranty.

PREPARATION Allow oven to cool to 150°F or less

FREQUENCY Daily

TOOLS Fiber Brush,
Mild Detergent, Sanitizer
Clean Towel

DAILY CLEANING

1. Turn POWER SWITCH to *FAN*. With the door held open, allow the oven to cool. When the oven interior has cooled to 150°F or less, turn the POWER SWITCH to *OFF*.
2. Remove racks and rack supports. Remove fan baffle.
3. Brush the fan wheel and wipe it with a moist cloth. Sponge out all loose particles.
4. Wipe down the entire interior using a clean cloth moistened with hot water and a mild detergent. Rinse by wiping with a clean towel moistened with sanitizer.

IMPORTANT: Always wipe or rub in the direction of the polish lines or grain of the metal.

5. Clean oven racks and rack supports in a sink or dishwasher.
6. Reinstall the fan baffle, paying particular attention that the lip on the right side of the fan baffle is fully seated in the slot in the edge of the oven cavity. Reinstall rack supports and racks.

IMPORTANT: Take care to avoid damage to fan blades when reinstalling fan baffle.

7. Turn power switch to *FAN*. Verify that fan runs smoothly and does not contact fan baffle. Turn power switch to *OFF*. Reposition fan baffle if necessary.
8. Wipe down the prep top and exterior of the oven using a clean cloth moistened with hot water and a mild detergent. Rinse by wiping with a clean towel moistened with sanitizer.

IMPORTANT: Always wipe or rub in the direction of the polish lines or grain of the metal.

9. Replace oven rack supports. Leave the door open overnight.

PROCEDURE IS COMPLETE

OVEN CLEANING INSTRUCTIONS (continued)

PREPARATION Allow oven to cool to 150°F or less

FREQUENCY Weekly

TOOLS Fiber Brush, Plastic Scouring Pad, Plastic Scraper
Mild Detergent, Sanitizer,
Oven Cleaner, Clean Towel



CAUTION:
ELECTRIC SHOCK
HAZARD

Disconnect appliance from electric power before cleaning.

WEEKLY CLEANING

1. Turn POWER SWITCH to *FAN*. With the door held open, allow the oven to cool. When the oven interior has cooled to 150°F or less, turn the POWER SWITCH to *OFF*.
2. Remove racks and rack supports. Remove fan baffle.
3. Brush the fan wheel and wipe it with a moist cloth. Sponge out all loose particles.
4. Scrub entire interior of convection oven with a plastic scouring pad and oven cleaner.
5. For baked-on food spills, apply oven cleaner. Close the oven door. Let stand for 10 minutes. Carefully wipe all oven cleaner and food residue from all interior surfaces. Wipe with sanitizer.
6. Wipe down the entire interior using a clean cloth or moistened with hot water and a mild detergent. Rinse by wiping with a clean towel moistened with sanitizer.

IMPORTANT: Always wipe or rub in the direction of the polish lines or grain of the metal.

7. Clean oven racks and rack supports in a sink or dishwasher.
8. Reinstall the fan baffle, paying particular attention that the lip on the right side of the fan baffle is fully seated in the slot in the edge of the oven cavity. Reinstall rack supports and racks.

IMPORTANT: Take care to avoid damage to fan blades when reinstalling fan baffle.

9. Reconnect to electric power. Turn power switch to *FAN*. Verify that fan runs smoothly and does not contact fan baffle. Turn power switch to *OFF*. Reposition fan baffle if necessary.
10. Wipe down the exterior of the oven using a clean cloth moistened with hot water and a mild detergent. A plastic scouring pad may be used to removed baked-on food debris. Rinse by wiping with a clean towel moistened with sanitizer.

IMPORTANT: Always wipe or rub in the direction of the polish lines or grain of the metal.

11. Replace oven rack supports. Leave the door open overnight.

PROCEDURE IS COMPLETE



CAUTION:
BURN HAZARD

Allow appliance to cool completely before cleaning. Do not attempt to clean the oven until it has cooled to 150°F or less. It can burn you. Hand protection is required.

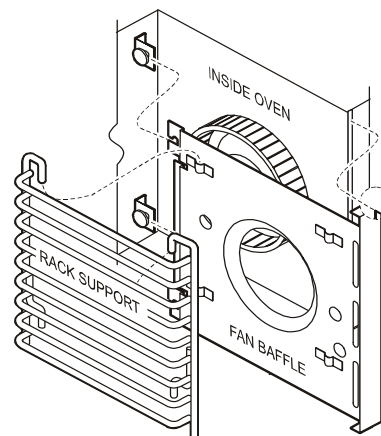


CAUTION:
CUT HAZARD

FAN BLADES ARE SHARP. Use due care when cleaning and/or wiping.

IMPORTANT: DO NOT spill or pour water into controls, control panel or wiring.

Damage to internal components from water damage is **not** covered by warranty.



*Assembling Fan Baffle
& Rack Support*

GRIDDLE CLEANING INSTRUCTIONS



CAUTION: BURN HAZARD

Use due caution when cleaning the hot griddle surface.
Hand protection is required.

IMPORTANT: NEVER USE STEEL WOOL TO CLEAN THE GRIDDLE SURFACE!

IMPORTANT: DO NOT spill or pour water into controls, control panel or wiring.

Damage to internal components from water damage is **not** covered by warranty.

PREPARATION Allow griddle to cool to 220°F

FREQUENCY Daily

TOOLS Fiber Brush,
Mild Detergent, Pumice Stone or Griddle Brick
Clean Towel

DURING USE

To keep the griddle clean and food flavors at their best, scrape the griddle after preparing each order. Scrape excess food into the waste hole in the grease trough (front of the griddle cooking surface). After each 2 - 3 orders, wipe the griddle surface with a light coat of oil.

DAILY CLEANING

1. Clean the griddle surface daily, at a minimum:
 - a. Set temperature control to 220°F. Allow the griddle temperature to drop to 220°F before proceeding.
 - b. Pour a small amount of water on the griddle surface and let it "sizzle".
 - c. Use a pumice stone or griddle brick to remove all remaining waste, and to clean the griddle surface down to bright metal. Wipe off any remaining powder residue.
 - d. Use a soft-bristled fiber brush in a circular motion to remove any remaining food particles.
 - e. Turn temperature control to *OFF*. Allow the griddle surface to cool, then wipe the surface with a clean cloth.
 - f. Dry the griddle surface thoroughly.
 - g. Season the cooking surface after each cleaning using the instructions on page 11.
2. At least once each day, the GREASE TROUGH must be thoroughly cleaned. Using a scraper, remove all grease and food waste from the grease trough and into the grease drawer.
3. After scraping all cooking waste from grease trough into GREASE DRAWER, take the grease drawer to kitchen cleaning area and properly dispose of all waste.
 - a. Clean drawer with hot water and a mild detergent.
 - b. Dry drawer thoroughly and reinstall in griddle.
4. GRIDDLE EXTERIOR:
 - a. Wipe down splash guards, griddle body and the grease trough with a cloth dampened with warm water and a mild detergent.
 - b. A plastic scouring pad and a non-abrasive cleanser may be used for hard-to-remove food particles.
 - c. Rinse thoroughly with clean water. DO NOT splash or pour water onto control panel or wiring.
 - d. Dry griddle with a soft, clean cloth.

PROCEDURE IS COMPLETE

HOTPLATE CLEANING INSTRUCTIONS (continued)

PREPARATION Allow hotplates to cool completely before cleaning

FREQUENCY Daily

TOOLS Fiber Brush, Plastic Scouring Pad, Plastic Scraper
Mild Detergent, Non-Abrasive Cleanser
Clean Towel or Sponge



CAUTION:
ELECTRIC SHOCK
HAZARD

Disconnect appliance from electric power before cleaning.

DAILY CLEANING

1. Turn both controls to OFF. Allow both hotplate elements to cool.
2. Wipe the entire hotplate top panel using a clean cloth or sponge dampened with hot water and a mild detergent.
3. For burned-on foods or sauce spillage, use a plastic scraper and/or non-abrasive cleanser applied with a plastic scouring pad.
4. Dry hotplates with a soft, clean cloth.



CAUTION:
BURN HAZARD

Allow hotplate to cool completely before cleaning. Do not attempt to clean the elements until they are cool.

PROCEDURE IS COMPLETE

IMPORTANT: DO NOT spill or pour water into controls, control panel or wiring.

Damage to internal components from water damage is **not** covered by warranty.

IMPORTANT: Always wipe or rub in the direction of the polish lines or grain of the metal.

PREVENTATIVE MAINTENANCE



CAUTION: BURN HAZARD

Allow appliance to cool completely before adjusting.

HINGE ADJUSTMENT

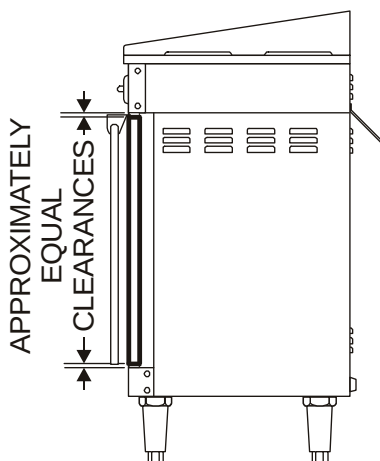
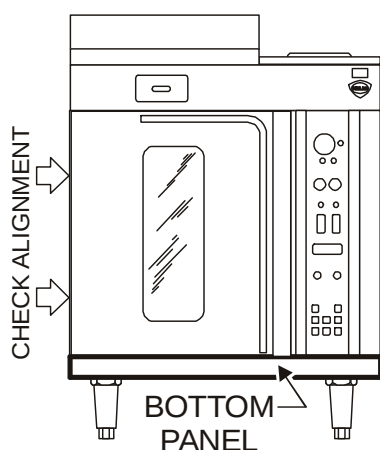
PRECAUTIONS: None

FREQUENCY: Monthly, at a Minimum; or, As Needed

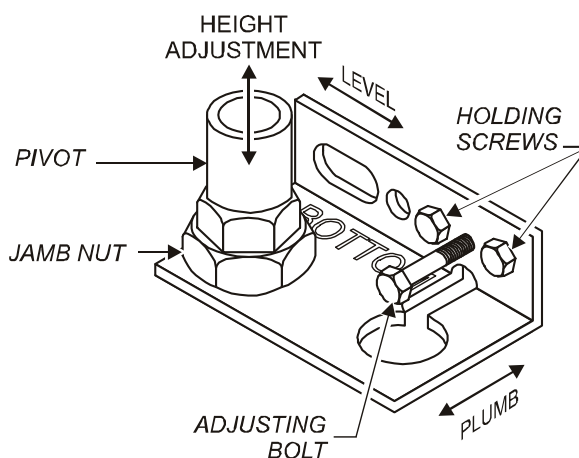
TOOLS: Phillips (+) Screwdriver
7/16" Nut Driver
7/8" and 1-1/8" Wrenches

THE FOLLOWING PROCEDURE IS TO BE PERFORMED BY QUALIFIED PERSONNEL ONLY

1. Remove bottom panel to access pivot.



Hinge Adjustment



2. Gap between top of door and frame , and between bottom of door and frame must be approximately equal
Adjust height of door by loosening jamb nut, then turning pivot on its screw mounting. Clockwise lowers the door height. Re-tighten jamb nut .
3. Gap between left side of door and frame must be the same from top to bottom
Adjust door for plumb by loosening holding screws. Turn adjusting bolt to increase or decrease gap at bottom. Clockwise increases gap. Re-tighten holding screws.
4. Gap between top of door and frame must be the same from side to side
Adjust door for level by loosening holding screws, then raising or lowering latch-end of door until it is level. Re-tighten holding screws.
5. Reinstall bottom panel.

Procedure is complete

TROUBLESHOOTING SUGGESTIONS



CAUTION: ELECTRICAL SHOCK HAZARD

Removal of any cabinet panel will result in exposed electrical circuits. Any procedure requiring the removal of any cabinet panel must be performed by a qualified technician only.

NOTE: There are no user serviceable components in the appliance. In all cases of damage or component malfunction, contact your Authorized Wells Service Agency for repairs.



CAUTION: ELECTRICAL SHOCK HAZARD

Fuse replacement may expose dangerous voltages. Fuse replacement must be performed by a qualified technician.

SYMPTOM	POSSIBLE CAUSE	SUGGESTED REMEDY
No power to appliance	Circuit breaker off or tripped	Reset circuit breaker
	Power cord unplugged or damaged	Check power cord Plug in or repair as required
	Fuse blown or loose	Check power fuses. If blown, correct problem and replace fuses
Oven will not heat	Power switch turned to OFF or FAN	Turn power switch ON
	Temperature control not set	Set to desired temperature
	Fan switch OFF	Turn fan switch to HIGH or LOW
	Oven door not closed	Be sure door is closed and latched
	Hi-limit control tripped on excessive oven temperature	Allow oven to cool Hi-limit will reset
	Damaged controller or internal components	Contact Authorized Wells Service Agency for repairs
Door pops open during cook cycle	Hinge out of adjustment	Adjust hinge
Griddle will not heat	Temperature control not set	Set to desired temperature
	Damaged controller or internal components	Contact Authorized Wells Service Agency for repairs
Griddle heats unevenly	Damaged controller or internal components	Contact Authorized Wells Service Agency for repairs
One or both hotplates will not heat	Temperature control(s) not set	Set to desired temperature
	Damaged controller or internal components	Contact Authorized Wells Service Agency for repairs

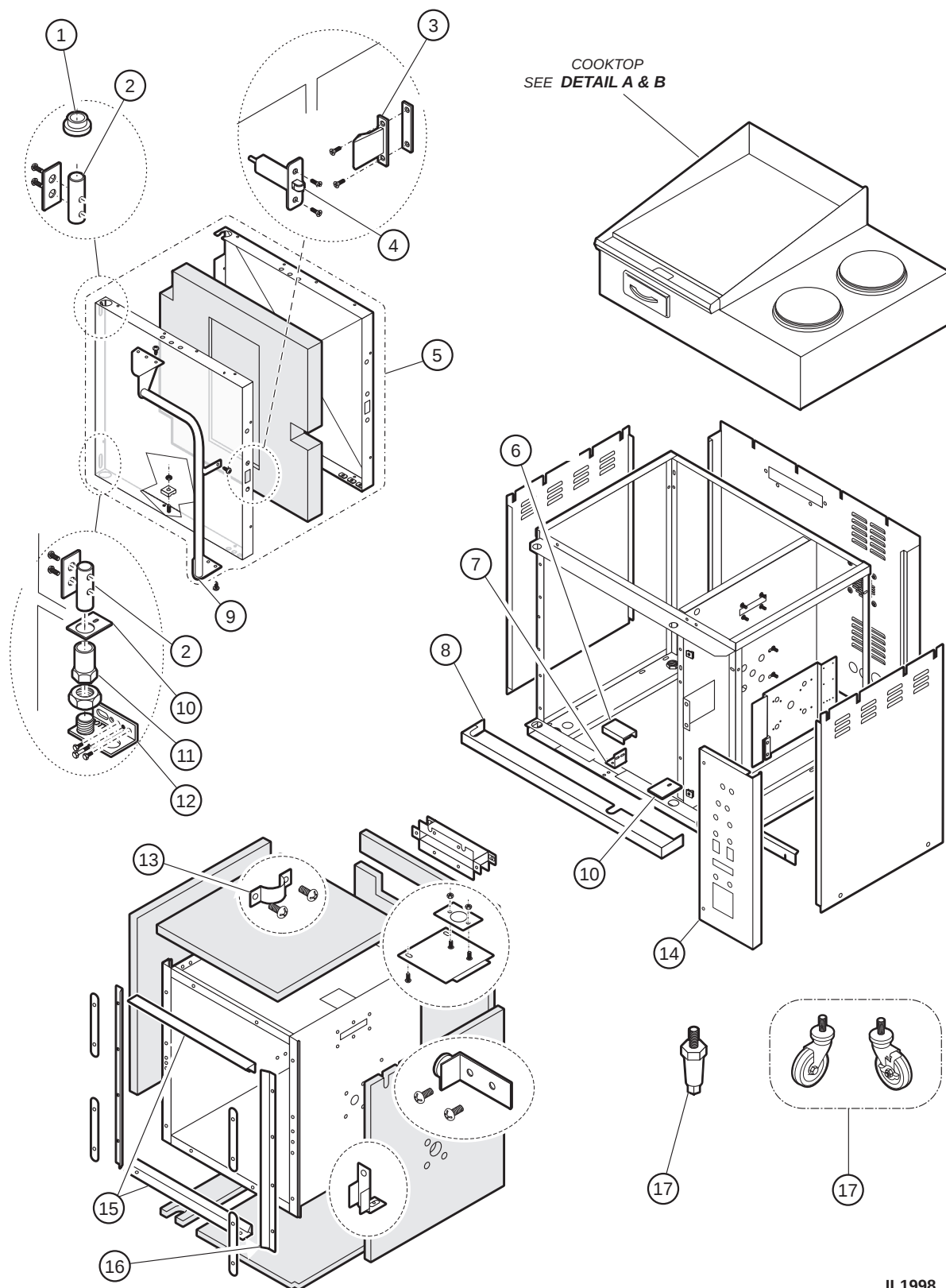
ERROR CODES

In all instances of controller error, contact your Authorized Wells Service Agency for repairs.

- F1 Relay closed or relay ohms low when not cooking
- F2 Actual temperature greater than T-SET MAX +60°F (±35°F)
- F3 Open temperature sensor
- F4 Shorted temperature sensor
- F5 Relay open or relay ohms high when cooking
- F6 No 60 Hz (Cycles per second other than 60 Hz detected)

EXPLODED VIEW CABINET COMPONENTS

OC-2HG CABINET COMPONENTS

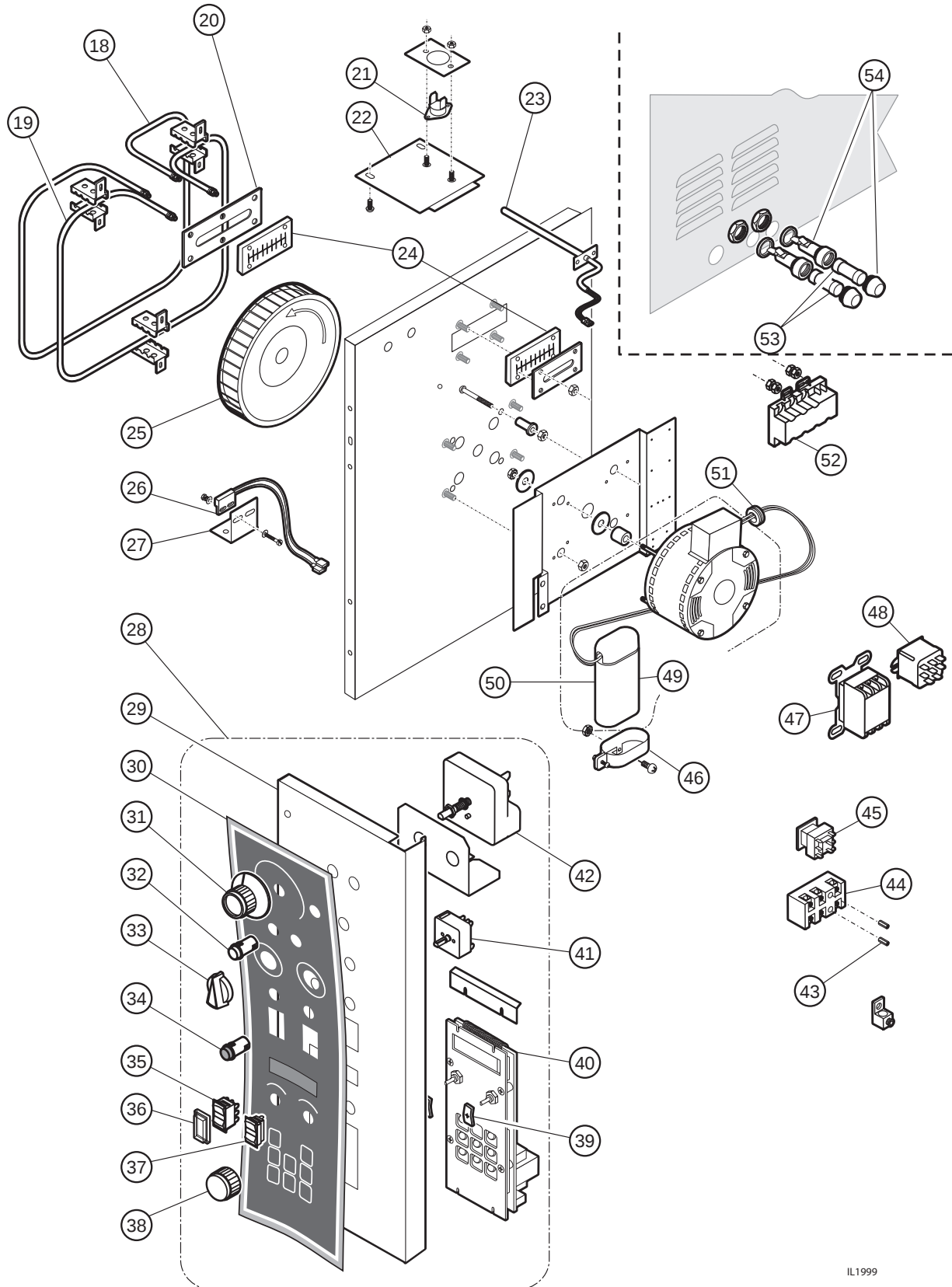


272 2M-304621 Owners Manual OC-2HG Combo Cook Center

IL1998

EXPLODED VIEW ELECTRICAL COMPONENTS

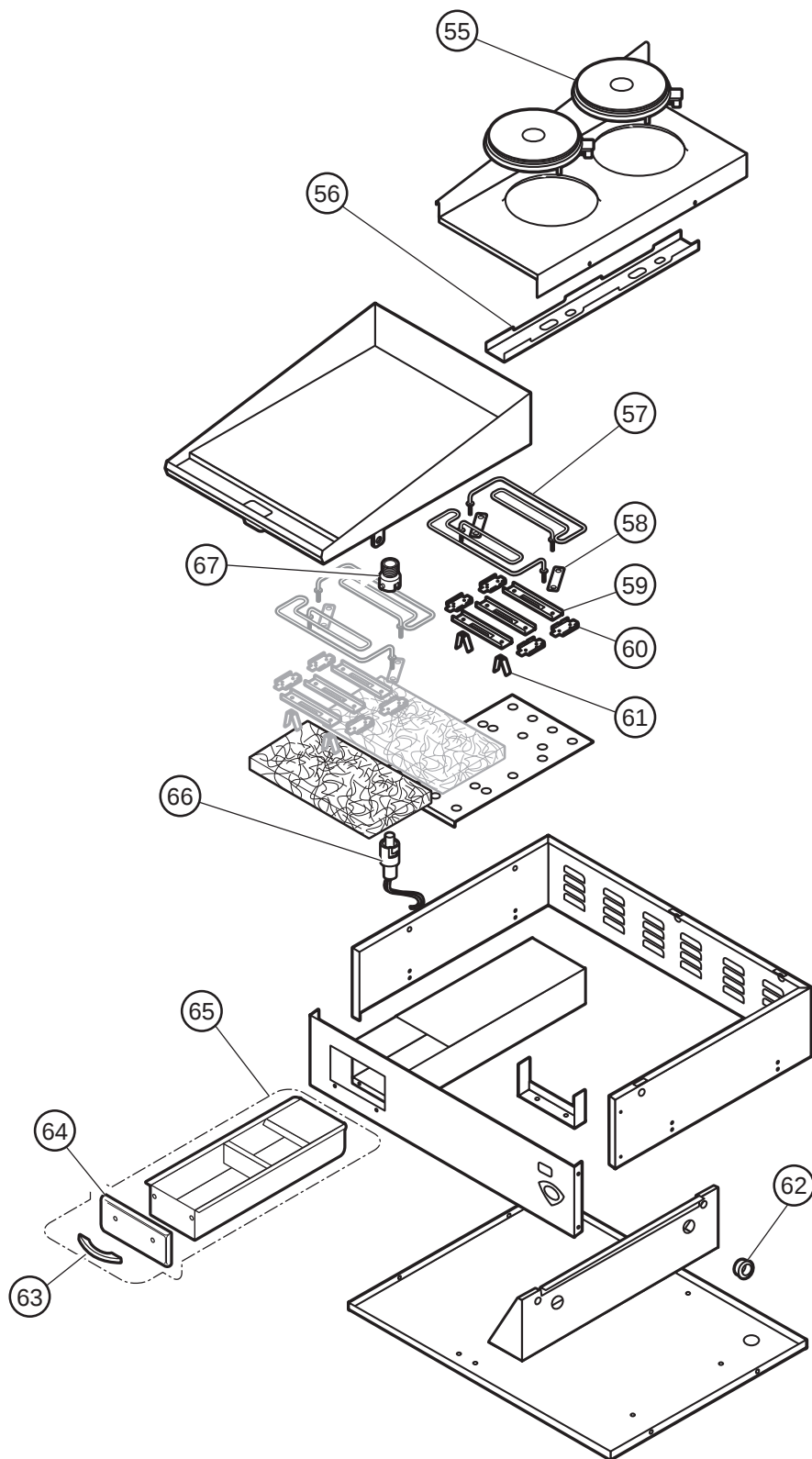
OC-2HG ELECTRICAL COMPONENTS



IL1999

EXPLODED VIEW SOLID ELEMENT COOKTOP

OC-2HG SOLID ELEMENT COOKTOP COMPONENTS

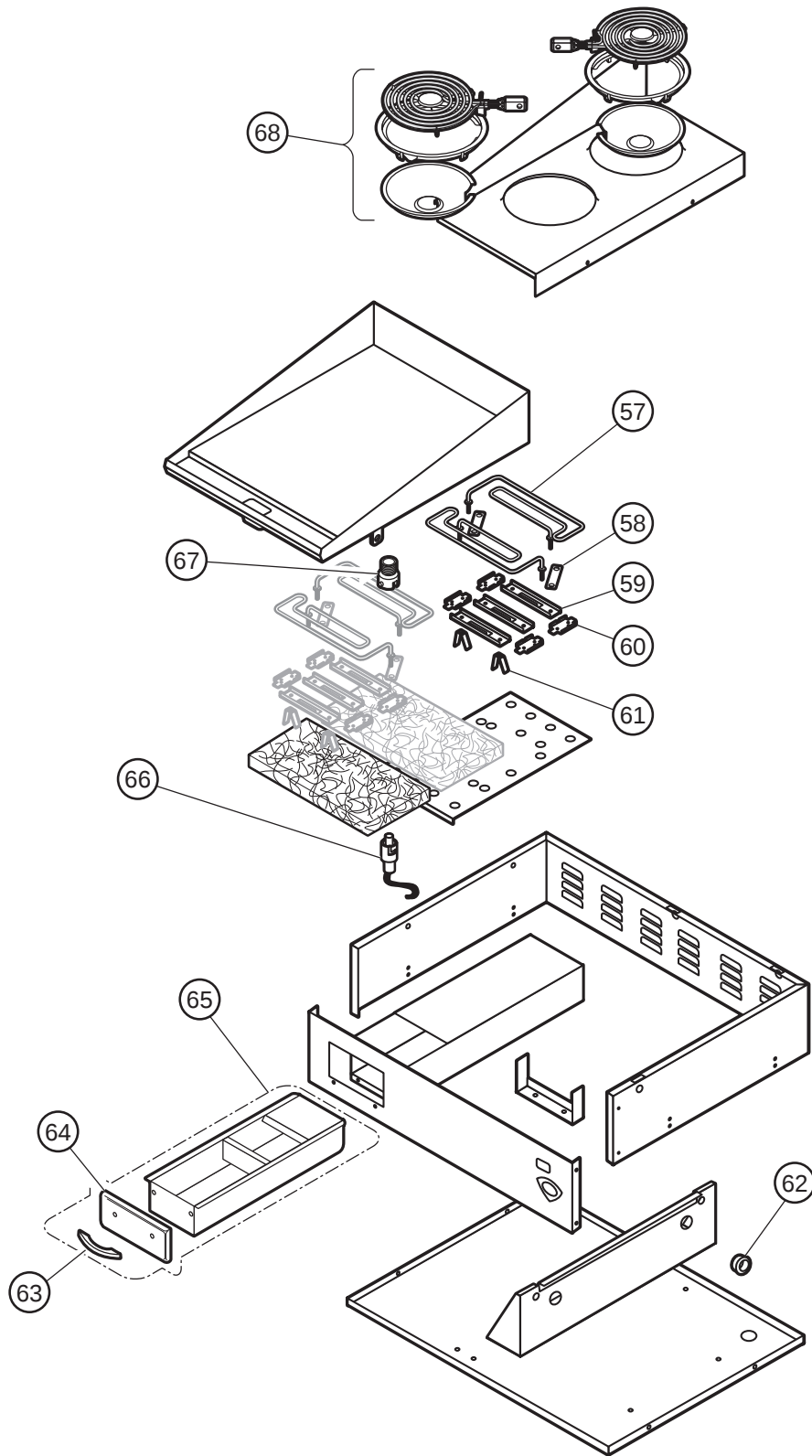


DETAIL A

IL2001

EXPLODED VIEW SPIRAL ELEMENT COOKTOP

OC-2HG SPIRAL ELEMENT COOKTOP COMPONENTS

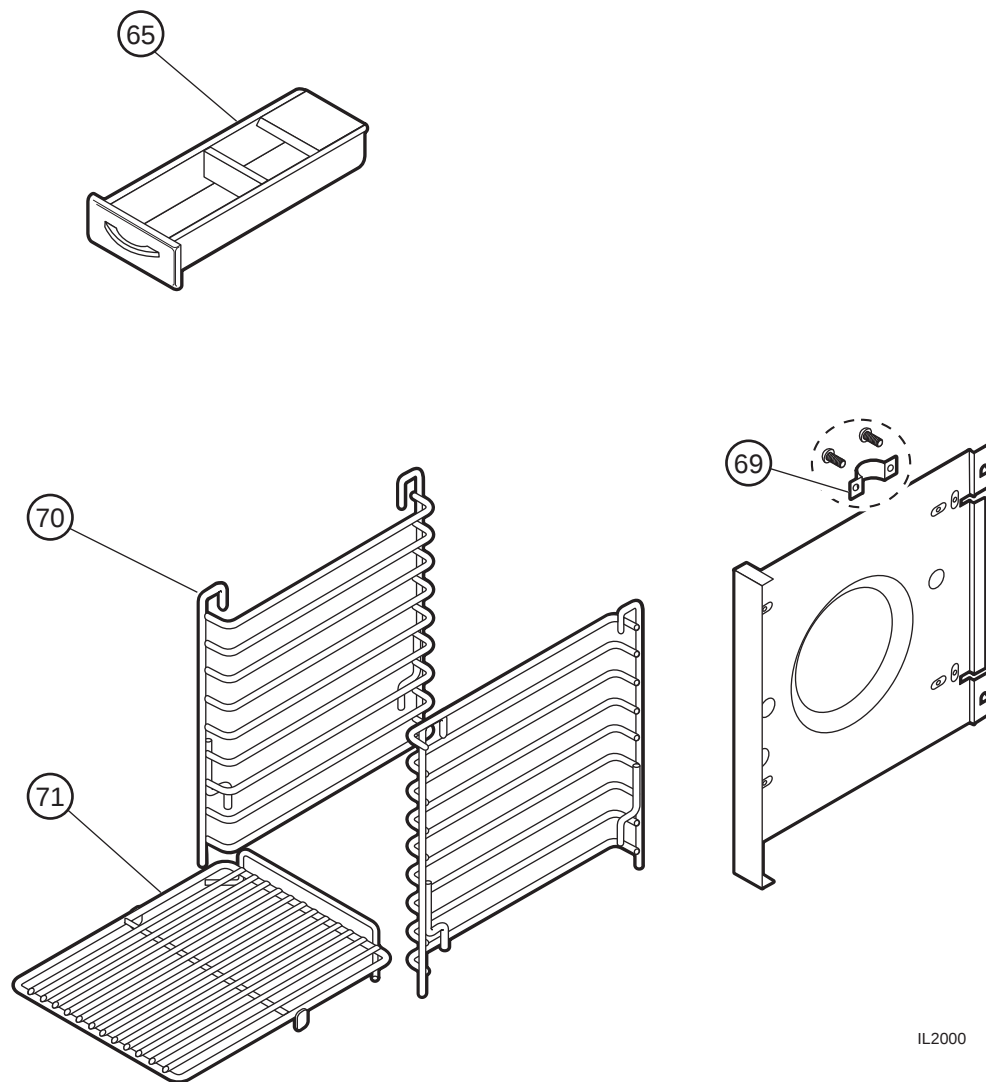


DETAIL B

IL2002

EXPLODED VIEW REMOVABLE COMPONENTS

OC-2HG REMOVABLE COMPONENTS

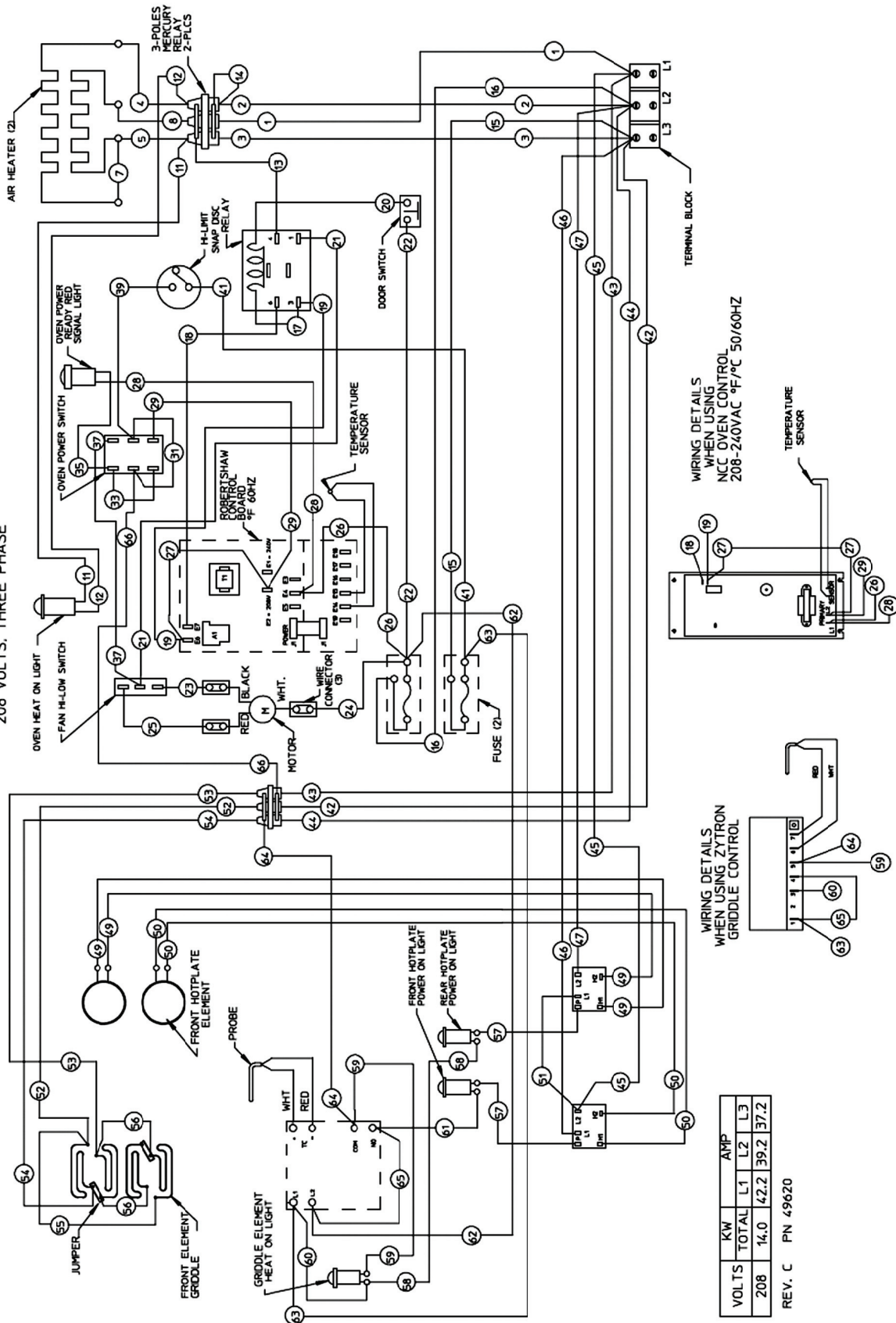


OC2HG PARTS LIST

OC-2HG COMBO COOK CENTER							
Key No	Part No	Description	App.	Key No	Part No	Description	App.
1	2K-305619	BUSHING UPPER DOOR HINGE		42	WS-65846	CONTROLLER	
2	2A-305610	PIN HINGE DOOR OVEN		43	2C-41974	NUT 8-32 HEX 7/8 LONG ALU	
3	2C-305616	STRIKER LATCH M4200-3SV		44	WS-50131	TERM BLK KIT 3-POLE 85AMP	
4	2C-305615	LATCH ASSY M4200-3S		45	2E-43880	RLY 208/240 DPDT, M4200-2	
5	5F-22914	KIT DOOR RETRO		46	2V-300933	BRKT CAPACITOR HOLDING	
6	F6-45647	SHIELD PROX SWITCH ASSY		47	2E-37779	CNTCTR-3PLE 208V W/SCREWS	
7	F6-43787	BRKT SWITCH PROXIMITY		48	2E-307328	RELAY-3PST, I/O 240/30A	
8	F6-43804	TRIM FR LOWER M4200		49	WS-69823	CAPACITOR-MTR, 440V@6mFD	
9	2R-305612	HANDLE ASSY M4200-3SV		50	WS-63932	MOTOR 2SP 1/4HP 208/240V	
10	F6-43899	PLATE DOOR PIVOT M4200		51	2K-31040	BUSHING HEYCO 7/8"O.D.	
11	2A-43900	SLEEVE HINGE DOOR M4200		52	2E-30667A	RELAY ESAFE II I/O 24V/24	
12	F6-43896	HINGE BOT ASSY DOOR M4200		53	2E-34768	FUSE SC-10 10A 300V	
13	F6-43889	CLIP SUPPORT RACK M4200		54	2E-34769	FUSEHOLDER HPA-EE 10A,240V	
14	DD-49651	CNTRL DGTAL 400DEG WRT-15		55	WS-503973	ELEM HPLATE UPGRADE FUSED	
15	F6-46314	GASKET DOOR TOPBTM M4200		56	DD-501451	BRKT SOLID ELEM, HOLD DOWN	
16	F6-46313	GASKET DOOR SIDE M4200		57	2N-30496UL	ELEMENT 240V 2250W	
17	2A-45598	LEG ADJUST 6IN SS OC-1		58	2E-32054	JUMPER, ELEMENT MEDIUM	
	5F-21372	CASTER SWVL W/BRAKE		59	G7-31968	CLAMP ELEM CTR SMALL GRID	
	5F-21330	CASTER SET CONV OVEN		60	G7-31969	CLAMP ELEM END SMALL GRID	
	5F-21373	CASTER SWVL W/O BRAKE		61	G7-33474	CLIP TIE DOWN INSUL GRID	
18	2N-43866UL	ELEM 208V 2500W CENTER	208V	62	2K-31040	BUSHING HEYCO 7/8" O.D.	
	2N-43800UL	ELEM 240V 2800W CTR, 2.5IN	240V	63	2R-38668	HANDLE GREASE DRWE GRIDDLE	
19	2N-43872UL	ELEM 208V 2500W INNER	208V	64	G7-Z12047	PANEL FRONT - GREASE DR	
	2N-43783UL	ELEM 240V 2800W INNER	240V	65	WS-501774	GREASE CAN ASSY OC2HG	
20	F6-43836	COVER GASKET ELEM INNER		66	WS-69623	PROBE W/1/4 STOP	
21	2T-45180	THRMO SNAP DISC,M4200		67	2K-48746	ADAPTER BAYONET 3/8-24	
22	F6-304608	MOUNT THERMO OVENS		68	WS-50293	ELMNT ASSY KIT, 240V@2600W	
23	2J-304712	PROBE TEMP OC-1		69	F6-43889	CLIP SUPPORT RACK M4200	
24	2I-43834	GASKET ELEM M4200		70	2B-43785	SUPPORT RACK OVEN M4200	
25	2U-43797	WHEEL BLOWER M4200		71	2B-50200-34	RACK HALF SIZE OVENS	
26	F6-45239	PROXIMITY SWITCH ASSY					
27	F6-43787	BRKT SWITCH PROXIMITY					
28	DD-69655	PANEL CNT ASSY OC2HG					
29	M3-304688	PANEL CONTROL OC-2HG					
30	2M-304724	DECAL OC2HG CTRL PNL					
31	2R-45653	KNOB CONTROL 2.25 OD					
32	2J-40877	LIGHT SIGNAL WHITE 250V					
33	2R-300356	KNOB 150°F-550°F DEG					
34	2J-31157	LIGHT SIGNAL RED					
35	2E-45651	SWITCH DPDT 250V 15A					
36	2E-43738	BOOT SEAL, ROCKER SWITCH					
37	2E-45657	SWITCH SPDE OC-1					
38	2R-47439	KNOB OC-1 RS					
39	M3-303252	GASKET CLOSE CELL, OVEN					
40	WS-504713	CNTRL BRD,TIME/TEMP, OC-4					
41	2E-30562	SWITCH INFINITE 240V					

WIRING DIAGRAM

WIRING DIAGRAM FOR OC-2HG OVEN
 208 VOLTS, THREE PHASE



VOLTS	KW	AMP
208	14.0	42.2
208	14.0	39.2
208	14.0	37.2

REV. C PN 49620

Diagram illustrating a 240V/208V three-phase system. The system includes a transformer (J1) and a motor (A1). The transformer is connected to a 240V source (E1) and a 208V source (E2). The motor is connected to the 240V source (E1) and the 208V source (E2). The diagram shows the wiring connections for the transformer and motor, including the 240V and 208V lines. A dotted line indicates the connection for 208V. The diagram is labeled with various components and terminals: J1, E1, E2, E3, E4, E5, E6, E7, E14, E15, E16, E17, E18, E19, A1, and 26. A note states: "SHOWN 240V DOTTED LINE FOR 208V".

WIRING DETAILS
WHEN USING NEW
NCC OVEN CONTROL (#304713)
208-240VAC °F/°C 50/60HZ

PRIMARY L1 L2

TEMPERATURE SENSOR

18

19

27

27

29

26

28

SENSOR

NOTES

NOTES

PARTS & SERVICE

DESCRIPTION

PART NO.

CASTER SET, OVEN (set of 4)
 OVEN STACKING KIT
 CASTER, SWIVEL (set of 2)
 CASTER, LOCKING (set of 2)
 OVEN RACK, REPLACEMENT (ea.)
 PREP TOP
 WALL SPACER KIT
 LEG KIT, OVEN, S/S (set of 4)
 VENTING KIT (USED WHEN COOKING
 PROTEIN)

5F-21330
 5F-21342
 5F-21372
 5F-21373
 5F-21376
 5F-21445
 DD-21717
 2A-45598

 WS-23035

**IMPORTANT: Use only
 factory authorized service
 parts and replacement
 filters.**

For factory authorized
 service, or to order factory
 authorized replacement parts,
 contact your Wells authorized
 service agency, or call:

Wells Bloomfield, LLC
 10 Sunnen Dr.
 St. Louis MO 63143 USA

Service Dept.
 phone: (800) 807-9054
 fax: (314) 781-2714

Service Parts Department can
 supply you with the name and
 telephone number of the
 WELLS AUTHORIZED
 SERVICE AGENCY
 nearest you.

CUSTOMER SERVICE DATA

please have this information available if calling for service

RESTAURANT _____ LOCATION _____
 INSTALLATION DATE _____ TECHNICIAN _____
 SERVICE COMPANY _____
 ADDRESS _____ STATE _____ ZIP _____
 TELEPHONE NUMBER (____) _____ - _____

EQUIPMENT MODEL NO. _____
 EQUIPMENT SERIAL NO. _____
 VOLTAGE: (check one) ☐ 208 ☐ 480



Wells Bloomfield proudly supports CFESA
Commercial Food Equipment Service Association

SERVICE TRAINING - QUALITY SERVICE



CUSTOMER SATISFACTION



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