

INSTANT RECOVERY[®] ELECTRIC FRYER SERIES PRE-2000



IMPORTANT:

THIS MANUAL PROVIDES SPECIFIC OPERATING INSTRUCTIONS FOR YOUR MODEL. USE THE INSTANT RECOVERY® ELECTRIC FRYER ONLY AS INSTRUCTED IN THIS MANUAL.

KEEP A COPY OF YOUR BILL OF SALE.

The date on the bill establishes the warranty period should service be required. If service is performed, it is in your interest to obtain and keep all receipts.

KEEP THIS MANUAL FOR TRAINING NEW PERSONNEL.

Record the Serial number and Model number of this Instant Recovery[®] Electric Fryer in the spaces provided. **Keep these numbers for future reference.**

SERIAL NUMBER

MODEL NUMBER

Keating commercial fryers are not intended for household use.

As continuous product improvement occurs, specifications may be changed without notice.

1-800-KEATING | keatingofchicago.com

NOTE: PURCHASER SHOULD POST IN A PROMINENT LOCATION.



AWARNING

Improper installation, adjustment, alteration, service or maintenance can cause property damage, injury or death. Read the installation, operating and maintenance instructions thoroughly before installing or servicing this equipment.

AWARNING



FOR YOUR SAFETY:

Do not store or use gasoline or other flammable vapors or liquids in the vicinity of this or any other appliance.

Do not store flammable liquids near this or any other appliance.

THE EQUIPMENT IS TO BE INSTALLED TO COMPLY WITH THE BASIC PLUMBING CODE OF THE BUILDING OFFICIALS AND CODE ADMINISTRATORS INTERNATIONAL, INC. (BOCA) AND THE FOOD SERVICE SANITATION MANUAL OF THE FOOD AND DRUG ADMINISTRATION (FDA).



TABLE OF CONTENTS

Important Safety Instructions	I Therm
INTRODUCTION	L Hi-Lim
INSTALLATION	SERV
Damage During Shipment 1	L Troubl
Standard Features 2	ORDE
Safety Precautions 2	2 Servio
FIRST STEPS	Warni
Positioning	B PART
Leveling3	Electr
Restraining Devices 4	BB Co
Electrical Connection 4	TS Co
OPERATING	10x11
Filling 4	l 18-3
Melting 4	↓ 14" B
Cooking	i 18 - 3
Shutdown 6	5 Trar
Draining6	6 WIRIN
Cleaning and Boil-Out 6	BB Wi
Electronic Timers	s TS Wi
PREVENTATIVE MAINTENANCE	Baske
Warranty Repairs	FRYEI
Preventive Maintenance Chart	BB Mo
Oil Breakdown	TS Mo
Limited Calibration) Warra

hermostat Bulb Positioning		10
li-Limit Check		10
SERVICE DIAGNOSIS		
roubleshooting Chart	. 11 -	12
DRDERING PARTS		
Service Parts Ordering		12
Varning and Operating Plates		12
PARTS LIST		13
Electric Fryer Parts List & Assembly	. 13 -	14
3B Control Panel Parts List		15
S Control Panel Parts List		16
LOx11", 14" Basket-Lift Control Panel		17
L8 - 34x24" Basket-Lift Control Panel		18
4" Basket-Lift Housing and Roller Guide Parts		19
8 - 34x24" Basket-Lift Housing, Roller Guide and		
Transformer Box Parts List		20
VIRING DIAGRAMS	. 21 -	25
3B Wiring Diagram		21
S Wiring Diagram	. 22 -	23
Basket-Lift Wiring Diagram	. 24 -	25
RYER SPECIFICATIONS		
BB Models		26
S Models		27
Varranty Information		28

INTRODUCTION

Instructions in this manual should be read thoroughly before attempting to operate this Keating Electric Fryer. All installation and service on Keating equipment must be performed by qualified, certified, licensed and/or authorized installation or service personnel.

Operating information for Keating equipment has been prepared for use by qualified and/or authorized personnel. Keating equipment is made in the USA and has American sizes of hardware. All metric conversions are approximate.

■ INSTALLATION INSTRUCTIONS

Proper installation will assure top performance. Alterations of any kind to your equipment will void the warranty. Before uncrating, check equipment carefully for damage.

IF EQUIPMENT ARRIVES DAMAGED

Keating does not assume responsibility for loss or damage incurred in transit.

IMPORTANT

This merchandise has been thoroughly inspected and carefully packed before leaving our plant. Responsibility for its safe delivery was assumed by the carrier at the time of shipment. Claims for loss or damage to the contents should, therefore, be made upon the carrier, as follows:

CONCEALED LOSS OR DAMAGE

Concealed loss or damage means loss or damage which does not become apparent until the mer-

chandise has been unpacked. The contents may be damaged in transit due to rough handling even though the carton may not show external damage. When the damage is discovered upon unpacking, make a written request for inspection by the carrier's agent within fifteen days of the delivery date. Then file a claim with the carrier since such damage is the carrier's responsibility. By following these instructions carefully, we guarantee our full support of your claims to protect you against loss from concealed damage.

VISIBLE LOSS OR DAMAGE

Any external evidence of loss or damage must be noted on the freight bill or express receipt, and signed by the carrier's agent. Failure to adequately describe such external evidence of loss or damage may result in the carrier refusing to honor a damage claim. The form required to file such a claim will be supplied by the carrier.

DO NOT RETURN DAMAGED MERCHANDISE TO KEATING. FILE YOUR CLAIM AS STATED ABOVE.

STANDARD FEATURES

- Highly polished stainless steel fryer vessel
- · Highly polished stainless steel front
- · Highly polished stainless steel elements
- · Highly polished stainless steel thermostat bulb
- Highly polished stainless steel Hi-Limit sensor
- True Cold Zone for proper sedimentation
- Grid screen over elements
- Melt cycle
- 1" full port front drain valve on 10x11 and 14; 1-1/4" for 18 and larger
- High temperature limit control with manual reset
- \cdot Patented accurate temperature control system $\pm 7^{\circ} F$
- Ideal 35" working height
- One pair of split baskets or one full-size basket (18" model only)
- Circuit breaker protection for 208-240V 10×11 to 34×24 Models

STANDARD ACCESSORIES

- Keating Klenzer Sample
- · Drain clean out rod

STANDARD FRYERS

- Sizes: 10×11 to 34×24
- · Oil capacity 30 to 210 pounds
- NSF, ETL and ETLS listed

MODEL VARIATIONS

BB Model: BB Model Fryers feature Power On and Element On indicating lights, a melt cycle and an electric stainless steel thermostat. The 14BB model can cook up to 72 lbs. of frozen fries or 75 lbs. of chicken per hour.

TS Model: TS Model Fryers have the highest input of all Keating fryers. The TS Model features a melt cycle, an electric stainless steel thermostat, two electronic timers and four indicating lights which display the status of the fryer's operation. The 14TS Model can cook up to 90 lbs. of frozen fries or 75 lbs. of chicken per hour.

TS Basket-Lift Model: TS Basket-Lift Model Fryers come with all the same features as the TS Model. The Basket-Lift mechanism lowers the baskets of food into the oil when the timer button is pressed and raises the baskets when the cooking cycle is complete. Split baskets are used for all models. **CM Model:** BB and TS Counter Model Fryers are equipped with all of the same features as the BB and TS Models respectively, but take up less than three square feet of counter space. The 10x11CM Model can cook up to 36 lbs. of frozen fries per hour and the 14CM Model can cook up to 72 lbs. per hour.

CPU Model: CPU Model Fryers have the same input as the TS Models, and features an over max temperature light. A programmable computer replaces the two timers and thermostat.

SAFETY PRECAUTIONS

THIS SYMBOL WARNS YOU THAT SERIOUS BURNS OR OTHER INJURIES MAY RESULT IF SAFETY IN-STRUCTIONS ARE NOT FOLLOWED.

- This service manual should be retained in a safe place for future reference. The installation of your new fryer must conform to current codes, with the current National Electrical Codes and regulations as applicable.
- Your ventilation hood, when installed, must conform to the current standards.
- You must maintain this appliance free and clear from combustibles.
- Adequate clearance for servicing and proper operation must be maintained. Your fryer is designed to be serviced from the front.
- Keating commercial fryers are not intended for household use.
- ALWAYS instruct new employees on proper fryer operation.
- A fryer should be operated ONLY by properly trained personnel.
- ALWAYS turn fryer off each night.
- ALWAYS turn fryer off at customer power panel before servicing.
- NEVER leave a fryer unattended during operation.
- NEVER move a fryer when full of hot oil.
- NEVER introduce objects or liquids into fryer while operational, which are not designed or made for cooking.
- THIS FRYER MAY NOT BE ALTERED, MODIFIED OR CHANGED IN ANY WAY.

This fryer MUST be installed, inspected, calibrated and serviced by qualified and/or certified and/or licensed service personnel - you may void your Keating warranty if installation is not completed per local, national and Keating specifications. Contact your dealer for assistance.

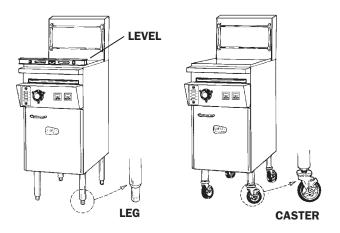
FIRST STEPS

POSITIONING

The fryer must be placed under an exhaust hood with a fire retardant system. Your ventilation hood, when installed, must conform to the current standards. ALL connections and placement must comply with current local and national codes. It is the responsibility of the owner and local installer to comply with these regulations when installing the fryer.

Counter model and floor model fryers **must be restrained to prevent tipping** when installed in order to avoid splashing, spilling, etc. of hot liquid. The restraining method may be a manner of installation or by separate means.





LEVELING

The fryer will operate at its highest efficiency when properly leveled. Place a level on fryer vessel from side to side. For fryers on legs, the bottom foot of the leg is adjustable. Looking from the bottom of the foot, turn clockwise to decrease height or counter clockwise to increase height until level. For fryers on casters, the casters are adjustable by loosening the jam nut and turning the caster in or out. When the desired level is reached, tighten the jam nut. Adjustments of more than 3/4" are not recommended on any caster. The same procedure should be followed to level the fryer from front to back.

RESTRAINING DEVICES

1. Adequate means must be provided to limit the movement of the appliance without depending on the connector and the quick-disconnect device or its associated piping to limit the appliance movement.

Fryer must also be restrained to prevent tipping when installed so that hot liquid splashing is avoided.



2. The restraint means must be attached to the rear of the Keating Electric Fryer within 2" of the center line width and approximately 1-5/8" from the bottom of the cabinet back to allow the restraining bolt to be anchored to the cabinet back between the cabinet bottom and inner liner.

If disconnection of the restraint is necessary, it must be reconnected when the Keating Electric Fryer is returned to its originally installed position.

ELECTRICAL CONNECTION

The Keating Instant Recovery[®] Electric fryer is equipped with a three wire terminal block for customer connections. The terminal block is located behind the fryer door on the right side behind a panel (held in place by two screws). Compare the fryer terminal connections to the appropriate wiring diagram for the fryer (see pages 21 thru 25) to see if the fryer is connected three phase or single phase. All wires/ cords, plugs, receptacles and circuit breakers must be sized adequately for the full load rating of the fryer as specified by local codes, or in the absence of local codes, by the current National and Canadian Electrical Codes as applicable.

The Keating Electric Fryer is also equipped with a grounding lug next to the terminal block. For proper grounding procedures, see local codes or, in the absence of local codes, by the current National and Canadian Electrical Codes as applicable.

NOTE: The connections to the fryer can be changed in the field from three phase to single phase or from single phase to three phase. This can be done by simply changing the wiring at the terminal block. To change the connections for your fryer, see the appropriate wiring diagram for your fryer on pages 21 thru 25.

NOTE: For fryers rated at 208-240 volts, the amperage ratings marked on the nameplates of the fryers are listed at 240 volts as required by UL. If your fryer is to be fed by a 208 or 220 volt system, consult the Keating Fryer Specifications on pages 26 and 27 to determine the full load rating of the fryer.

NOTE: Some fryers with Basket-Lifts, Zero-Space[™] Filters (model BB ZS or TS ZS) or Central Filters may have separate 120 volt control circuit connections. Fryers with Basket-Lifts or Zero-Space[™] filters will need the connections made to a separate smaller terminal block located near the larger terminal block for the 208-240 volt connections or inside a separate wiring box. This terminal block will have one black and one white wire connected to it. Fryers with Central Filters will need the connections made inside the Central Filter junction box. For proper connections, refer to the appropriate wiring diagram on pages 21 thru 25.

NOTE: A copy of the wiring diagram is included in this manual.

NOTE: A hole has been punched in the rear of the fryer cabinet for a cord or conduit exit. If a cord is used, the National Electrical Code, ETL standards and most local codes require a bushing or strain relief (not provided by Keating) to protect the cord.

WIRE SIZE TABLE

Conductor Current (Amps up to)	Recommended Wire Size (AWG)
15	14*
20	12*
30	10*
40	8
55	6
70	4
95	2
125	0
145	2/0
165	2/0**
190	2/0**

*For runs greater than 75' up to 125', use the next wire size larger to keep the voltage drop to less than 3%. For runs greater than 125', consult the National Electrical Code Handbook to help determine the proper wire size.

**2/0 wire ambient temperature must be kept at less than $104^{\circ}F$ (40°C).

OPERATING

FILLING

NOTE: Before filling the fryer make certain the fryer vessel is sanitized, dry and the drain valve is completely closed. Refer to figures 4 and 5 on page 6 for location of drain valve.

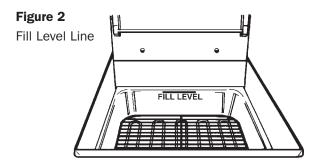
BE SURE THE HEATING ELEMENTS ARE COM-PLETELY COVERED WITH OIL BEFORE SWITCHING THE FRYER ON. IF OIL LEVEL DROPS BELOW TOP OF HEATING ELEMENTS, SEVERE DAMAGE TO FRYER AND INJURY TO OPERATOR MAY RESULT.

ACAUTION

WATER IN ANY FORM AND HOT OIL DON'T MIX!

ACAUTION

OIL EXPANDS WHEN HEATED. THE FILL LEVEL LINE HAS BEEN PROVIDED TO ENSURE OPTIMUM COOK-ING WHILE ENSURING THE SAFETY OF THE OPERA-TOR. DO NOT OVERFILL THE FRYER VESSEL.



BB & TS, CPU and Basket-Lift Models

1. Fill the fryer vessel with oil up to the "Fill Level" line.

2. If using solid shortening, remove screen and firmly pack solid shortening between the heating elements. Proceed to Melting section for instructions on use of the melt cycle.

MELTING

The Keating Melt Cycle safely melts solid shortening in the fryer vessel without scorching.

BEFORE ATTEMPTING TO LIGHT THE FRYER, MAKE SURE THE ELECTRIC CONNECTIONS ARE SECURE AND HAVE BEEN LEAK TESTED AND THE FRYER HAS BEEN PROPERLY FILLED WITH OIL.

A. BB, TS and Basket-Lift Models

1. Set the thermostat to the desired temperature.

2. If using solid shortening, set On/Off/Melt switch to the "MELT" position. Stay in the "MELT" cycle until the shortening has melted completely and is at the "Fill Level" line before switching to the "ON" position for cooking.

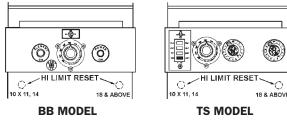
B. CPU Models

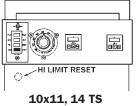
*See separate computer instructions or call 1-800-KEATING.

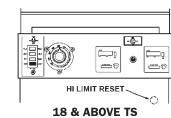
NOTE: During the "MELT" cycle, the elements are on for approximately 5-7 seconds and off for approximately 35 seconds.

Figure 3

BB, TS and TS Basket-Lift Control Panels







BASKET-LIFT MODEL

(3)

BASKET-LIFT MODEL

COOKING

Keating Instant Recoverv® Electric Frvers are designed to provide maximum production efficiency and deliver high quality food products. Low-temperature cooking, highly polished stainless steel and a true COLD ZONE mean extended oil life. Follow cooking procedures for your model.

OPERATION OF THIS FRYER SHOULD BE LIMITED TO PERSONNEL WHO HAVE BEEN THOROUGHLY TRAINED IN OPERATING PROCEDURES.

USE ONLY KEATING APPROVED BASKETS IN YOUR FRYER. NEVER OVERFILL FRY BASKETS. DO NOT BANG BASKETS ON BASKET HANGERS **OR FRYER VESSEL.**

CARE SHOULD BE TAKEN WHEN LOWERING BASKETS INTO FRYER TO PREVENT SPLASHING HOT OIL FROM FRYER VESSEL.

NEVER LIFT BASKETS DIRECTLY OUT OF THE FRYER VESSEL WITHOUT DRAINING AS SEVERE **INJURY MAY RESULT.**

NOTE: For safety purposes, all Hi-Limit controls are manually reset. Always check the Hi-Limit reset button before attempting to use the fryer. If the Hi-Limit has tripped, the fryer will not operate.

NOTE: For a fryer with a Central or Safe & Easy® Filter, always check the rear drain operating handle before attempting to use the fryer. A safety switch prevents the fryer from operating if the handle is not pushed in completely and locked into place.

A. BB Models

1. Fill fryer as described on page 4 - FILLING.

2. Set On/Off switch to the "On" position. "ELEMENT ON" light will be illuminated.

3. Set thermostat to the desired frying temperature (between 325°C and 335°C).

4. When the oil reaches the desired frying temperature and the "ELEMENT ON" light goes off, lower filled basket(s) slowly into the hot oil.

5. When cooking cycle is complete, carefully lift basket(s) out of oil. Place them on basket hanger rods (on splashback of fryer) to allow draining of excess oil.

B. TS Model

1. Fill fryer as described on page 4 - FILLING.

2. Set On/Off switch to the "On" position. "HEAT" light will be illuminated.

3. Set thermostat to the desired frying temperature (between 325°C and 335°C).

4. When the oil reaches the desired frying temperature, the "HEAT" light will go off, and the "COOK" light will illuminate.

5. Lower filled basket(s) slowly into the hot oil.

6. Set timer for left or right side basket, whichever is being lowered into oil.

7. When timer sounds, lift basket out of oil. Place on basket hanger rods (on splashback of fryer) to allow draining of excess oil.

C. Basket-Lift Models

1. Fill fryer as described on page 4 - FILLING.

2. Set On/Off switch to the "On" position. "HEAT" light will be illuminated.

3. Set thermostat to the desired frying temperature (between 325°C and 335°C).

4. When the oil reaches the desired frying temperature, the "HEAT" light will go off, and the "COOK" light will illuminate.

5. Fill basket(s) to proper level and place on upper bar of lift rod(s).

6. Set timer(s) to desired cooking time. For programming timers see pages 7-9.

7. Push "START-STOP" button on timer(s). Basket(s) will automatically lower into fryer vessel.

8. When cooking cycle is complete, an audible alarm will sound and the basket(s) will raise automatically. Allow oil to drain before removing baskets. Basket(s) will automatically lower into fryer vessel.

D. CPU Model

*See separate computer instructions or call 1-800-KEATING.

SHUTDOWN

A. BB, TS and Basket-Lift Models

1. Turn fryer On/Off/Melt switch to "OFF" position.

B. CPU Model

1. Set Main Power On/Off switch to the "OFF" position.

DRAINING

AWARNING

ALWAYS SHUT THE FRYER OFF COMPLETELY BE-FORE DRAINING. THE FRYER SHOULD BE DRAINED **ONLY UNDER THE SUPERVISION OF PROPERLY** TRAINED PERSONNEL. A DRAIN PIPE AND COV-**ERED CONTAINER SUITABLE FOR USE WITH HOT OIL** SHOULD BE USED TO ENSURE THE SAFETY OF THE **OPERATOR.**

- 1. Operator should be outfitted with proper attire including:
- Oil and heat resistant gloves
- Oil and heat resistant apron
- Safety goggles
- Oil and heat resistant footwear



2. Turn off the fryer and open the door.

3. For front drain fryers, put approved container under drain valve. For fryers with a central filter, slide filter drawer in completely.

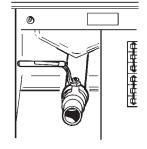
4. For front drain fryers, slowly turn handle forward to avoid splashing. The drain valve will be completely open after 1/4 turn.

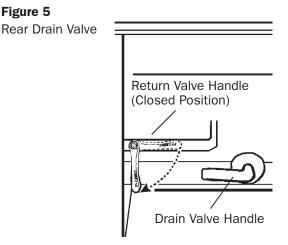
5. For units with rear drain valves, slowly pull drain valve operating handle straight out (unhook from metal latch first). See Safe & Easy operator's manual for instructions on how to filter.

Figure 4

Figure 5

Front Drain Valve





AWARNING

UNDER NO CIRCUMSTANCES SHOULD YOU PERMIT HOT OIL TO COME IN CONTACT WITH WATER OR ICE. ALL DRAINING SHOULD BE DONE UNDER THE SUPERVISION OF PROPERLY TRAINED PERSONNEL. A DRAIN PIPE AND COVERED CONTAINER SUITABLE FOR USE WITH HOT OIL SHOULD BE USED WHENEV-ER A FRYER IS DRAINED. ALWAYS DRAIN OIL INTO A **COVERED RECEPTACLE APPROVED FOR THE TRANS-**PORTATION OF HOT OIL.

CLEANING AND BOIL OUT

When cleaning and boiling out your fryer use Keating Sea Powder and Keating Klenzer to keep your fryer in top condition. Keating Sea Powder dissolves any grease build up - even carbonized grease in fryer vessels - one of the leading causes of premature oil breakdown. And once your fryer vessel is clean, use Keating Klenzer, the finest dry stainless steel polish available, to restore your Keating Instant Recovery® Electric fryers' exterior to its original luster.

Figure 6

Keating Klenzer and Sea Powder



ACAUTION

To avoid damaging the fryer, do not power wash, spray or hose down unit while cleaning.

- 1. Put on safety attire. See page 6 DRAINING.
- 2. Turn the fryer off.

3. Drain oil from fryer, see page 6. Filtering may be done at this step.

4. Remove oil container to a secure area to prevent accidental spillage.

5. Fill fryer vessel to "Fill Level" line with water.

UNDER NO CIRCUMSTANCES SHOULD THE FRYER BE LEFT UNATTENDED DURING BOIL-OUT. TRAINED PERSONNEL MUST BE PRESENT DURING THE PRO-CEDURE TO PREVENT BOIL OVER OR TO TURN OFF THE POWER IF WATER DROPS BELOW HEATING ELE-MENTS.

6. Set thermostat and turn fryer on to bring water to a gentle boil.

7. Once boil has been reached, turn fryer off.

8. Dissolve 2/3 cup of Keating Sea Powder for every five gallons of water and let soak for 1/2 hour. If there is a large build-up of carbonized grease, allow fryer to soak overnight.

ACAUTION

DO NOT DAMAGE OR REMOVE THERMOSTAT BULB AS THIS MAY AFFECT THE ACCURACY OF THE FRYER.

9. While soaking, a natural fiber brush may be used to scrub the inside walls of fryer.

10. Drain the water and Sea Powder into a dry, suitable receptacle and remove from cooking area.

11. Spread Keating Klenzer liberally on sides of fryer vessel.

12. At this point, a non-abrasive scouring pad may be used to remove the now softened carbonized grease.

13. Thoroughly rinse fryer vessel with potable water to remove all Klenzer.

14. Prior to refilling with oil, wipe the inside of the fryer vessel making sure all water and Klenzer has been removed.

ACAUTION

WATER IN ANY FORM AND HOT OIL DON'T MIX!

15. Close drain valve.

FAILURE TO CLOSE DRAIN VALVE BEFORE REFILLING THE FRYER MAY RESULT IN SERIOUS INJURY.

AWARNING

WHEN YOUR FRYER IS BEING USED IN CONJUNC-TION WITH A CENTRAL FILTER, DISCONNECT POWER SUPPLY BEFORE RESETTING MOTOR TO PREVENT SERIOUS INJURY WHEN RESET SWITCH IS ENGAGED (SEE FILTER MANUAL).

16. Check thermostat bulb positioning - see page 10.

17. Refill the fryer with new or filtered oil.

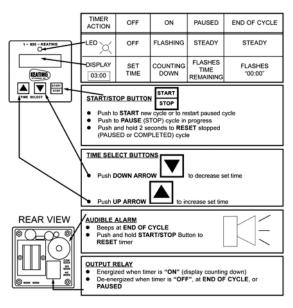
NOTE: MSDS Sheets for Keating Klenzer, Sea Powder & Acidox are available on-line at www.keatingofchicago. com.

ELECTRONIC CONTROL TIMERS

The electronic timers provide a clearly visible and accurate display and are very easy to use.

10x11 & 14 TS MODELS

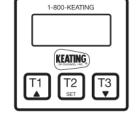
A. Electronic Timer



B. Electronic Timer Programming

Figure 7

Electric Timer



• The Keating Electronic Timer is programmable to four different timer ranges with two different alarm modes for each time range.

• The timers are shipped from the factory preset to program 5: Minutes : seconds (00:01 to 59:59) with continuous alarm.

- To program another time range or alarm mode perform the following steps:
- 1. Turn off the power.
- 2. Press the "down arrow" button while turning the power on.
- 3. Release the button after the display turns on.
- 4. A number from 0 to 7 will appear.

This number corresponds to:

- 0 = Seconds (000.1 to 999.9) 5 second alarm
- 1 = Minutes : Seconds (00:01 to 59:59) 5 second alarm
- 2 = Seconds (0001 to 9999) 5 second alarm
- 3 = Hours : Minutes (00:01 to 23:59) 5 second alarm
- 4 = Seconds (000.1 to 999.9) continuous alarm
- 5 = Minutes : Seconds (00:01 to 59:59) continuous alarm
- 6 = Seconds (0001 to 9999) continuous alarm
- 7 = Hours : Minutes (00:01 to 23:59) continuous alarm
- 5. Use the "down arrow" button to select the desired time range.
- 6. Turn off the power.
- 7. Wait 2 seconds.
- 8. Turn on the power. (the timer will remain in the new time range until programmed). The electronic timers, used on 18" and above Basket-Lift models, provide a clearly visible and accurate display and are very easy to use. One knob sets the time and one button controls all operations. The display can show cooking or clock time.

18 - 34x24 TS MODELS

A. Timer Mode

1. Turn round knob clockwise (toward "+") to increase time or counterclockwise (toward "-") to decrease time.

NOTE: When programming the timer up to one minute, the display goes up or down in seconds only. After one minute, the display goes up or down in ten minute increments.

- 2. Push start/stop button to start timer.
- 3. When buzzer sounds, push start/stop button to shut off buzzer. Display will go blank.
- 4. Push start/stop button again to restore cycle time to display.
- 5. To clear display, turn round knob fully counterclockwise (toward "-").

B. Clock Mode

- 1. To set time, hold clock ("⁽¹⁾) button in and turn knob clockwise (toward "+") to increase time or counterclockwise (toward "-") to decrease time.
- 2. To display timer cycle time, push start/stop button.
- 3. If display is blank, pushing the clock button will restore clock time to display.

C. To determine whether timer is in timer mode or clock mode

- 1. Timer mode display will show decimal point in upper position ("10.08").
- 2. Clock mode display will show a decimal point in lower position ("10.08").

OPTIONAL TIMER OPERATING INSTRUCTIONS Part # 056921

Figure 7

Electric Timer



DIGITAL TIMERS

The electronic timers, standard on TS models, provide a clearly visible and accurate display and are very easy to use.

PROGRAMMING

To program the timers, the unit must be in the idle mode. Press and hold the set button for approximately two seconds. The display will show "SEt". Press the button for the channel to be programmed. The display will show the current setting for that channel. Use the up or down button to increment or decrement the setting. When the setting is correct, press and hold the set button again for approximately two seconds. The display will show "St0" for approximately two seconds and the timer will return to normal operation. Repeat the process as necessary for the other timers.

OPERATING LOGIC

When the timer is powered up, the display will show the time setting for the channel that was operated last and the relay output contacts will be open. To start a cycle, press the desired channel button (1-3). The display will begin to countdown from the preset time setting and the relay output contacts will close. During the countdown the colon will flash at a one-second rate. When the countdown has reached "00:00" the relay output contacts will open, the display will flash, and the audible alarm will sound. To cancel the audible alarm, press any button.

PAUSE FEATURE

To pause a cycle in progress, press any button. The relay output contacts will open, the display will flash, and the countdown will pause. To resume the countdown, press any button. The display will resume the normal countdown and the relay output contacts will close.

CANCELING A CYCLE

To cancel a cycle in progress press and hold any button for approximately two seconds. The relay output contacts will open and the display will show the time setting for the channel last used.

MAINTENANCE

WARRANTY REPAIRS

Keating's warranty begins with the date of installation. In the event that your fryer, under warranty, needs repairs other than routine maintenance or cleaning, you are required to contact Keating of Chicago (at 1-800-KEATING) before calling a local service company.

PREVENTIVE MAINTENANCE

Preventive maintenance should be done in daily, weekly, monthly and yearly intervals as necessary. Following preventive maintenance procedures will help keep your fryer working efficiently. Proper care and servicing will lead to years of quality performance.

TIME FRAME	OPERATOR/OWNER	
AT LEAST DAILY*	 Check lights and controls. Check that the oil is up to "Fill Level" Line. Clean all baskets. Drain, strain or filter oil. 	
AT LEAST WEEKLY*	 Drain and clean fryer. Boil-out fryer. 	
AT LEAST MONTHLY*	 Verify Thermostat settings. Test Hi-Limit control. Verify wire connections. Disassemble fryer to clean burners, orifices and runner pilot tube. 	
TIME FRAME	QUALIFIED SERVICE PERSONNEL	
AT LEAST YEARLY*	Calibrate thermostat.	

*High production facilities should be checked more often. Contact the factory or a local service company to perform maintenance and repairs.

Oil Breakdown

As part of a "Preventive Maintenance Program", the oil in your fryer needs to be filtered regularly to avoid breakdown. The initial investment in the frying system is less than the total overall costs of oil during the life of the fryer, and with regular filtering, you can realize substantial savings in oil costs as well as maintenance charges.

1. Contact with Oxygen: When air comes into contact with hot oil, the oxygen begins to dissolve in the oil causing it to breakdown. Cooler oil, on the other hand, deters breakdown. The Keating Instant Recovery[®] Electric fryer is designed to allow you to cook at lower temperatures to help reduce the rate of oil breakdown. Be sure to keep your oil covered when not in use.

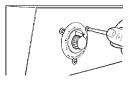
2. *Crumbs and Food Particles:* As food is prepared in a fryer, particles and crumbs will fall off into the oil. If these particles are not removed, they will begin to carbonize and cause premature breakdown. The Keating true Cold Zone captures these particles and prevents them from carbonizing. 3. *Non-Stainless Steel Surfaces:* When hot oil comes in contact with iron, steel, aluminum or other metals, a chemical breakdown takes place within the oil. Stainless steel has long been recognized as being the best metal for use in the construction of fryer vessels. That is why all Keating fryer vessels and heating elements are made of stainless steel that is highly polished to a #7 mirror bright finish.

4. Keep Salt and Seasonings Away From Oil: When sodium or sodium by-products are added or splashed into hot oil, the oil will take on an inky blackness and form a brownish deposit around the top of the fryer rendering the oil useless within a few days. Fresh potatoes may be treated with sodium sulfite to retain whiteness, always thoroughly wash the potatoes before frying.

5. *Prolonged High Temperatures:* When a fryer is set on a high temperature for long hours and a low volume of frying is done, the oil will breakdown from the intense heat. For every 18°F above 300°F the rate of oil breakdown doubles. The Keating BB and TS model fryers can easily be switched off with a control panel switch. The temperature at which the food is placed in the fryer is far less important than the temperature at which the food is finished. The fryer will heat back up to the thermostat setting well before the food is finished frying.

LIMITED CALIBRATION

(Less than 15° difference)



You will need:

need: One standard flat blade screwdriver One accurate fryer thermometer

- 1. Set thermostat to desired frying temperature.
- 2. Allow fryer to cycle three times.
- 3. Place an accurate thermometer in the oil.

4. If calibration of fryer is less than 15° off, simply loosen three dial plate retaining screws, rotate dial plate to match thermometer reading and tighten screws. For calibration over a 15°F difference, contact your local service distributor.

AWARNING

DO NOT ADJUST THE THERMOSTAT SET SCREW - IT VOIDS ANY WARRANTY ON PART.

NOTE: Locate thermometer in same position for every calibration. Position next to upper heating element is recommended.

Thermostat Bulb Positioning

Keating's patented thermostat application is accurate within $\pm 2^{\circ}$ F of the dial setting between 250°F and 350°F. This accuracy is attained only if the thermostat bulb is placed properly against the top element using element clamps. If the bulb is too far away from the element, the fryer will overshoot.

Overshoot: The thermostat takes a long time to cycle and then misses its preset temperature by 20°F - 40°F yielding a poor quality product.

Hi-Limit Check

The manual Hi-Limit test button can be used to test the Hi-Limit Control by pushing and holding the button in until the fryer reaches the Hi-Limit temperature (425°F). Place an accurate thermometer in the oil. If the Hi-Limit Control doesn't shut off the fryer between 425°F and 450°F, have it replaced.

SERVICE DIAGNOSIS

The following diagnosis is only to be used as a guide to qualified service personnel. Keating recommends that you use a qualified & licensed service company. (Equipment still under warranty requires it.) Call 1-800-KEATING if you need assistance in locating a qualified service company.

A properly adjusted Keating Instant Recovery[®] Electric Fryer, with no load, will cycle "on" approximately every 2 1/2 to 3 minutes. Each cycle will last 15-25 seconds, ensuring that the temperature setting is held within a narrow band.

NOTE: To correctly and quickly diagnose the system, the chart below should be followed in sequential order.

TROUBLE SHOOTING CHART

PROBLEM	PROBABLE CAUSE	SOLUTION
Fryer won't heat	a. No electricity to fryer ("POWER ON" light is off).	a. Connect fryer to an approved source of power.
	b. No electricity to control circuit (models with Basket-Lift or Central Filter).	b. Connect 120V terminal block to an approved source of power.
	c. Fryer circuit breakers have tripped.	c. Reset circuit breakers.
	d. Hi-Limit has been activated.	d. Push in Hi-Limit Reset button located behind fryer door. Check calibration of thermostat and operation of Hi-Limit and contactor.
	e. Rear drain valve handle has not been fully closed (fryers with filter only).	e. Fully close and latch rear drain valve handle.
	f. Control circuit fuse is blown.	f. Replace fuse. (Use type SC-5 for 10x11 and 14TS BL models and type SC-3 for all other models.)
	g. ON/OFF/MELT switch is faulty.	g. Replace ON/OFF/MELT switch.
	h. Contactor is faulty.	h. Replace contactor.
	i. Thermostat is faulty.	i. Push and hold in Hi-Limit test button. If elements turn on, thermostat is faulty. Replace thermostat
Fryer has poor recovery or runs cold	a. Over-filling baskets.	a. Don't overfill baskets.
	b. Fryer vessel overfilled with oil.	b. Fill fryer up to "Fill Level" line as oil expands when heated.
	c. Thermostat out of calibration.	c. Calibrate thermostat. (See Calibration).
	d. Carbon coating on elements.	d. Boil-out fryer. (See Cleaning and Boil-Out).
	e. Element is faulty.	e. Replace Element.
	f. Thermostat is faulty.	f. Replace thermostat.
	g. Contactor is faulty.	g. Replace contactor.
Fryer is overheating	a. Thermostat bulb improperly placed.	a. Adjust bulb position. (See Thermostat Bulb Positioning).
	b. Thermostat out of calibration.	b. Calibrate thermostat (See Calibration).
Oil in fryer vessel smokes	a. Oil has begun to break down.	a. Replace oil.
	b. High carbon content in oil.	b. Filter oil completely, replace if necessary.
	c. Dirty fryer vessel.	c. Boil-out fryer. See Cleaning and Boil-Out.
	d. Inferior grade of oil.	 Check with oil supplier for higher grade of oil needed for your cooking applications.
	e. Fryer is overheating.	e. Check calibration of thermostat (See Calibration) and replace if necessary. Check if Hi-Limit trips at 425°F. If not, replace Hi-Limit.

PROBLEM	PROBABLE CAUSE	SOLUTION
Oil in fryer vessel boils over	a. Baskets are overfilled.	a. Don't overfill baskets.
	b. Fryer vessel overfilled with oil.	b. Fill fryer up to "Fill Level" line as oil expands when heated.
	c. Oil is breaking down and foaming.	c. Replace oil.
	d. Water in cold zone.	d. Stir oil with a paddle until water boils off. Filter oil. If water remains, let oil cool and drain a quart of it.
Contactor chatters	a. Voltage is low to fryer.	a. Contact your electrician or the local power company and have the incoming power checked.
	b. Contactor coil faulty.	b. Replace contactor.
	c. Connections are loose.	c. Tighten connections.
	d. Thermostat contacts do not close properly.	d. Replace thermostat.
Basket-Lift mechanism will not operate	a. Connections are loose or timer is faulty.	a. Tighten connections. Replace timer if it will not operate.
	b. Motor limit switch is faulty.	b. Replace Motor limit switch (10x11 and 14 TS BL). Replace actuator (18 TS BL Model and above.)
	c. Lift motor is faulty (10x11 and 14 TS BL models).	c. Replace motor. Specify left or right side motor when ordering.
	d. Actuator is faulty (18 TS BL Model and above).	d. Replace fuse (use type SC-5 in 10x11 BL Models and type SC-3 in 18 TS Model and above.
	e. Control circuit fuse has blown.	e. Replace relay.
	f. Relay is faulty (18 TS BL Model and above).	
Basket-Lift motor runs, but basket doesn't move	a. Cam is slipping on motor shaft faulty. (10x11 and 14 TS BL models).	a. Tighten cam onto motor shaft.
Basket-Lift basket goes down but won't go up	a. Basket-Lift motor limit switch is misaligned (10x11 and 15 TS BL Models).	a. Align limit switch.
Basket-Lift buzzer won't shut off.	a. Buzzer limit switch is misaligned (10x11 and 14 TS BL models).	a. Align limit switch.

ORDERING PARTS

Parts may be ordered by calling 1-800-KEATING or your local Keating service company. You may also order on-line at Keating's part store, www.keatingofchicago.com

Refer to the Keating Electric Fryer Limited Warranty for complete service and ordering information.

The model/serial plate is attached to the inside of the front door. The serial and model numbers are necessary when ordering.

NOTE: On Drop-In fryers, the model/serial plate is attached to the top of the control panel.

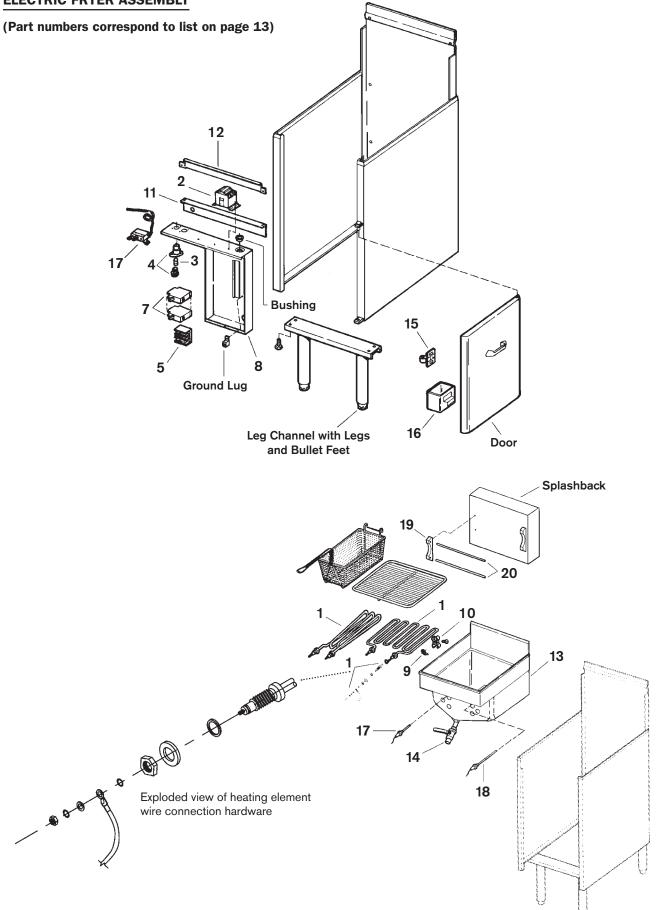
WARNING AND OPERATING PLATES

All warning and operating plates on the Instant Recovery[®] Electric Fryer should be in place at all times. If plates are damaged or lost, replace them immediately.

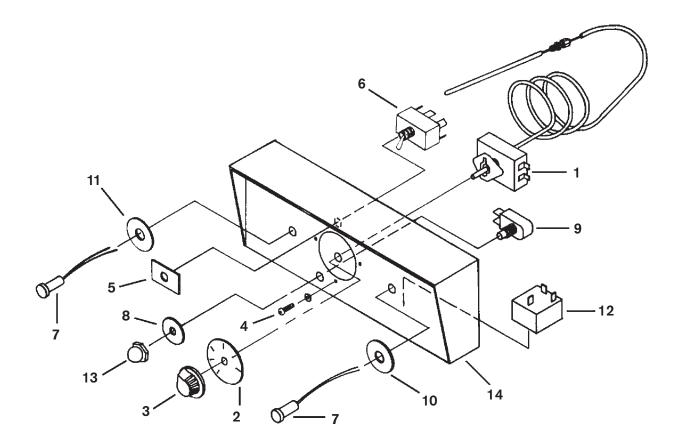
■ PARTS LIST - ELECTRIC FRYER

SP, 50A, 220V COIL BB 011184 2 2 SP, 50A, 220V COIL TS 011184 2 - - SP, 50A, 220V COIL BB, TS, CPU 004330 2 2 2 2 SP, 32A, 120V COIL BASKET-LIFT 010218 2 - 4 4 SP, 50A, 120V COIL BASKET-LIFT 0105597 2 <td< th=""><th>ТЕМ</th><th>DESCRIPTION</th><th>MODEL</th><th>P/N 220V ELEMENT</th><th>10x11</th><th>14</th><th>18</th><th>20</th><th>24</th><th>34x2</th></td<>	ТЕМ	DESCRIPTION	MODEL	P/N 220V ELEMENT	10x11	14	18	20	24	34x2
2500 W BB 0.04347 3 3800 W TS 0.05623 3 4350 W BB 0.04353 3 3 6000 W BB 0.04353 4 4 BB 0.04355 4 4 BB 0.04355 5 5 6500 W TS 0.04318 2 Per Element 5 5/8" TLAT WASHER BB, TS 0.04319 2 Per Element 5 5/8" TLAT WASHER BB, TS 0.04318 2 Per Element 5 100 CKWSHR, INT #10 H-TEMP BB, TS 0.04318 2 Per Element 5 7 CONTACTOR R 32A, 220V COIL BS 0.11184 2 2 2 2 CONTACTOR R 32A, 220V COIL BS, TS 0.10218 2 2 2 2 3 F50A, 220V COIL BS, TS 0.11184 2 2 2 2 2 3 F05A, 220V COIL BS, TS 0.10218 2	4						Qua	ntity Per M	odel	
3800 W TS 006623 3 4350 W BB 004343 3 3 3 6000 W BB 004353 3 3 3 15 004355 4 4 15 004355 5 6500 W TS 014493 3 1567 "LAT WASHER BB, TS 004319 2 Per Element 5/8" LAT WASHER BB, TS 004313 2 Per Element LOCKWSHER #10 H-TEMP BB, TS 004313 2 Per Element NUT 10-32 BB, TS 004316 2 Per Element NUT 10-32 BB, TS 000336 2 Per Element VID 10-32 BB, TS 000336 2 Per Element 37 50A, 220V COIL BASKET-LIFT 011184 2 2 37 50A, 220V COIL BASKET-LIFT 004335 2 2 2 38 50A, 220V COIL BASKET-LIFT 2 4 4 4 FUSE, GA, SC-3 TS 004335 2 2<	I		DD	004247	2					
450 W BB 004349 3 6000 W BB 004353 4 4 BB 004355 5 5 5000 W TS 004355 5 5000 W TS 004355 5 5600 W TS 004315 2 Per Element 56% * 16 BRASS LOCKNUT BB, TS 004319 2 Per Element 56% * 16 BRASS LOCKNUT BB, TS 004323 2 Per Element RING TERM #10 HI-TEMP BB, TS 011662 4 Per Element NUT 10-32 BB, TS 000361 2 Per Element NUT 10-32 BB, TS 010218 2 2 2 3F 50A, 220V COIL BAS, TS 003361 2 2 2 2 3F 50A, 120V COIL BASKET-LIFT 011218 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></t<>										
6000 W BB 004353 3 3 BB 004355 4 4 TS 004355 5 6500 W TS 004355 5 7 TEFLON RING BB, TS 004318 2 Per Element 5/8" FLAT WASHER BB, TS 004313 2 Per Element 5/8" FLAT WASHER BB, TS 004323 2 Per Element LOCKWSHR, INT #10 H-TEMP BB, TS 001881 2 Per Element RING TERM #10 H-TEMP BB, TS 010218 2 2 2 CONTACTOR 3P, 32A, 220V COIL BB, TS 010330 2 2 2 3P, 50A, 220V COIL BB, TS 011184 2 2 2 2 3P, 50A, 220V COIL BASKET-LIFT 004335 2 2 2 2 3P, 50A, 120V COIL BASKET-LIFT 004335 2 2 2 2 4P, 40A, 120V COIL BASKET-LIFT 004335 1 1 1 1 1					3	0				
TS 004353 4 4 BB 004355 5 6500 W T5 014493 3 TEFLON RING BB, TS 004318 2 Per Element 5/8" FLAT WASHER BB, TS 004318 2 Per Element 5/8" T. TO WASHER BB, TS 004323 2 Per Element CONTACTOR 3P, 32A, 220V COIL BB, TS 011662 4 Per Element RING TERM #10 HI-TEMP BB, TS 01218 2 2 2 SP, 50A, 220V COIL BB, TS 01218 2 2 2 2 3F, 50A, 220V COIL BASKET-LIFT 011184 2 2 2 2 3F, 50A, 220V COIL BASKET-LIFT 011184 2 2 2 2 3F, 50A, 120V COIL BASKET-LIFT 00336 2 2 2 2 2 4F USE, 5A, SC-5 BASKET-LIFT 008360 2 2 2 2 2 2 2 2 2 2 2						3	0	0		
BB 004355 4 5500 W TS 004355 5 5600 W TS 004355 5 7 CRUNC BB, TS 004318 2 Per Element 5/8" FLAT WASHER BB, TS 004319 2 Per Element 5/8" FLAT WASHER #10 HI-TEMP BB, TS 011881 2 Per Element RING TERM #10 HI-TEMP BB, TS 010301 2 Per Element NUT 10-32 SP, 32A, 220V COIL BB, TS 011184 2 2 2 2 3P, 50A, 220V COIL BS, TS 001218 2		6000 W								
TS 004355 5 6500 W TS 014498 3 TEFLON RING BB, TS 004318 2 Per Element 5/8" 1-15 BRASS LOCKNUT BB, TS 004319 2 Per Element CONSHR, INT #10 H-TEMP BB, TS 011861 2 Per Element RING TERM #10 H-TEMP BB, TS 010218 2 2 2 VATATOR #10 H-TEMP BB, TS 010218 2 2 2 2 2 CONTACTOR 3P, 32A, 220V COIL BS 010218 2 2 2 2 3P, 50A, 220V COIL BASKET-LIFT 011122 2 2 2 2 3P, 50A, 120V COIL BASKET-LIFT 010218 2 2 2 2 4P, 40A, 120V COIL BASKET-LIFT 004334 2 2 2 2 2 4 FUSE, 5A, SC-5 BASKET-LIFT 005365 2 2 2 2 4 4 5 TERMINAL BLOCK, 208V-480V <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td>4</td><td>4</td><td></td><td>_</td></t<>							4	4		_
6500 W TS 014493 3 TEFLON RING BB, TS 004319 2 Per Element 5/8" FLAT WASHER BB, TS 004323 2 Per Element 5/8" FLAT WASHER TO BRASS LOCKNUT BB, TS 011562 4 Per Element LOCKWSHR, INT #10 H-TEMP BB, TS 011562 4 Per Element 1 RING TERM #10 H-TEMP BB, TS 000361 2 Per Element 1 NUT 10-32 BB, TS 010318 2 2 2 3P, 50A, 220V COIL BB, TS 010218 2 2 2 2 3P, 50A, 220V COIL BB, TS 010310 2 <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>5</td>										5
FERION RING BB, TS 004318 2 Per Element 5/8" FLAT WASHER BB, TS 004319 2 Per Element 5/8" - 16 BRASS LOCKNUT BB, TS 014323 2 Per Element LOCKWSHR, INT #10 H-TEMP BB, TS 011861 2 Per Element RING TERM #10 H-TEMP BB, TS 000301 2 Per Element VOT 10-32 CONTACTOR SP, 32A, 220V COIL BB TS 01184 2 2 2 3P, 50A, 220V COIL BB, TS 010218 2 2 2 2 2 3P, 50A, 220V COIL BASKET-LIFT 011184 2 <		0700.11/							5	6
5/8" FLAT WASHER BB, TS 004319 2 Per Element 5/8" - 16 BRASS LOCKNUT BB, TS 011562 4 Per Element LOCKWSHR, INT #10 H-TEMP BB, TS 011562 4 Per Element RING TERM #10 H-TEMP BB, TS 011881 2 Per Element NUT 10-32 BB, TS 000361 2 Per Element 2 CONTACTOR 3P, 32A, 220V COIL BB, TS 011184 2 2 2 3P, 50A, 220V COIL BB, TS, CPU 004330 2 2 2 2 3P, 50A, 220V COIL BASKET-LIFT 011184 2 2 2 2 3P, 50A, 220V COIL BASKET-LIFT 002150 2										
5/8" - 16 BRASS LOCKNUT BB, TS 004323 2 Per Element LOCKWSHR, INT #10 H-TEMP BB, TS 011562 4 Per Element RING TERM #10 H-TEMP BB, TS 011881 2 Per Element VANDEL SP, 50A, 220V COIL BB, TS 010381 2 2 CONTACTOR SP, 50A, 220V COIL BB, TS 01184 2 2 2 2 3P, 50A, 220V COIL BA, TS, CPU 004330 2										
LOCKWSHR, INT #10 H-TEMP BB, TS 011562 4 Per Element RING TERM #10 H-TEMP BB, TS 059502 2 Per Element NUT 10-32 BB, TS 000361 2 Per Element 2 CONTACTOR 3P, 32A, 220V COIL BB, TS 010218 2 3P, 50A, 220V COIL BB, TS 011184 2 2 2 3P, 50A, 220V COIL BASKET-LIFT 011218 2 2 2 3P, 32A, 120V COIL BASKET-LIFT 011215 2 4 4 4P, 40A, 120V COIL BASKET-LIFT 004334 2 2 2 2 4P, 40A, 120V COIL BASKET-LIFT 005597 2 2 2 2 FUSE, SA, SC-5 BASKET-LIFT 002365 2 <										
RING TERM #10 HI-TEMP BB, TS 011881 2 Per Element FLAT WASHER #10 HI-TEMP BB, TS 003061 2 Per Element NUT 10-32 BB, TS 003061 2 Per Element 2 CONTACTOR 3P, 30A, 220V COIL BB, TS 010218 2 2 2 3P, 50A, 220V COIL BS, TS, CPU 004303 2 2 2 2 3P, 50A, 220V COIL BS, SC, CPU 004304 2 2 2 2 3P, 50A, 120V COIL BASKET-LIFT 010218 2 2 2 2 4P, 40A, 120V COIL BASKET-LIFT 05597 2 2 2 2 FUSE, 5A, SC-5 BASKET-LIFT 008360 2 2 2 2 2 FUSE, 5A, SC-5 BASKET-LIFT 008360 2 2 4 4 4 5 TERMINAL BLOCK, 208V-480V 303431 1 1 1 1 1 1 1 1 1 1 1						2 F	Per Elem	ent		
FLAT WASHER #10 HI-TEMP NUT 10-32 BB, TS 3P, 50A, 220V COIL 3P, 50A, 220V COIL 4P, 40A, 220V COIL 3P, 50A, 120V COIL 3P, 50A, 120V COIL 4P, 40A, 120V COIL 3P, 50A, 120V COIL 4P, 40A, 120V COIL 3P, 50A, 120V COIL BASKET-LIFT 4P, 40A, 120V COIL 4P, 40A, 120V COIL 3P, 50A, 120V COIL 4P, 40A, 120V COIL 4P, 40A, 120V COIL 5ASKET-LIFT 101215 4P, 40A BASKET-LIFT 2P, 40A 4P, 40A, 120V COIL 5ASKET-LIFT 101215 4P, 40A C 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2		LOCKWSHR, INT #10 H-TEMP	BB, TS	011562		4 F	Per Elem	ent		
NUT 10-32 BB, TS 000361 2 Per Element 2 CONTACTOR 3P, 32A, 220V COIL BB, TS 010218 2 3P, 50A, 220V COIL BB, TS, CPU 004330 2 2 2 3P, 50A, 220V COIL BASKET-LIFT 010218 2 2 2 2 3P, 50A, 120V COIL BASKET-LIFT 010218 2 2 2 2 4P, 40A, 220V COIL BASKET-LIFT 010218 2 2 2 2 4P, 40A, 120V COIL BASKET-LIFT 010218 2 2 2 2 2 FUSE, 5A, SC-5 BASKET-LIFT 006350 2<		RING TERM #10 HI-TEMP	BB, TS	011881		2 F	Per Elem	ent		
2 CONTACTOR SP, 32A, 220V COIL BB, TS 010218 2 3P, 50A, 220V COIL TS 011184 2 2 2 3P, 50A, 220V COIL BB, TS, CPU 004330 2 2 2 3P, 32A, 120V COIL BASKET-LIFT 010218 2 2 2 4P, 40A, 120V COIL BASKET-LIFT 001136 2		FLAT WASHER #10 HI-TEMP	BB, TS	059502		2 F	Per Elem	ent		
2 CONTACTOR SP, 32A, 220V COIL BB, TS 010218 2 3P, 50A, 220V COIL TS 011184 2 2 2 3P, 50A, 220V COIL BB, TS, CPU 004330 2 2 2 3P, 32A, 120V COIL BASKET-LIFT 010218 2 2 2 4P, 40A, 120V COIL BASKET-LIFT 001136 2		NUT 10-32	BB, TS	000361		2 F	Per Elem	ent		
SP, 50A, 220V COIL BB 011184 2 2 4P, 40A, 220V COIL BB, TS, CPU 004330 2 2 2 2 3P, 32A, 120V COIL BASKET-LIFT 010218 2 </td <td>2</td> <td>CONTACTOR 3P, 32A, 220V COIL</td> <td></td> <td></td> <td>2</td> <td></td> <td></td> <td></td> <td></td> <td></td>	2	CONTACTOR 3P, 32A, 220V COIL			2					
3P, 50Å, 220V COLL TS 011184 2 4P, 40Å, 220V COLL BB, TS, CPU 004330 2 2 2 3P, 50Å, 120V COLL BASKET-LIFT 010218 2 2 2 2 3P, 50Å, 120V COLL BASKET-LIFT 010218 2 2 2 2 2 3P, 50Å, 120V COLL BASKET-LIFT 004334 2 </td <td></td> <td></td> <td></td> <td></td> <td></td> <td>2</td> <td>2</td> <td>2</td> <td></td> <td>4</td>						2	2	2		4
4P. 40A, 220V COIL BB, TS, CPU 004330 2 2 2 3P, 32A, 120V COIL BASKET-LIFT 010218 2 2 4 3P, 50A, 120V COIL BASKET-LIFT 005597 2 2 2 3 FUSE, 3A, SC-3 TS 004334 2 2 2 2 4P, 40A, 120V COIL BASKET-LIFT 005597 2							-	-		4
3P, 32A, 120V COLL BASKET-LIFT 010218 2 4 3P, 50A, 120V COLL BASKET-LIFT 011225 2 2 2 2 3P, 50A, 120V COLL BASKET-LIFT 011225 2						2	0	0	2	-
3P, 50A, 120V COIL 4P, 40A, 120V COIL BASKET-LIFT BASKET-LIFT 005597 2 4 4P, 40A, 120V COIL 4P, 40A, 120V COIL 4P, 40A, 120V COIL 5P, 40A TS 004334 2					0		2	2	2	
4P, 40A, 120V COIL BASKET-LIFT 005597 2 2 2 3 FUSE, 3A, SC-3 TS 004334 2					2	0			4	
3 FUSE, 3A, SC-3 TS 004334 2 <th2< th=""> <th2< th=""> 2</th2<></th2<>						2	0	0	4	4
BASKET-LIFT 2 4 4 4 FUSE, 5A, SC-5 BASKET-LIFT 008360 2	~				•	•			•	
FUSE, 5A, SC-5 BASKET-LIFT 008360 2 4 FUSE HOLDER TS 004335 2 1 <	3	FUSE, 3A, SC-3		004334	2					2
4 FUSE HOLDER TS 004335 2 2 2 2 2 4 4 BASKET-LIFT* 2 4 4 4 4 4 6 TERMINAL BLOCK, 208V-480V 034381 1							4	4	4	4
BASKET-LIFT* 2 4 4 5 TERMINAL BLOCK, 208V-480V 034381 1 1 1 1 1 6 TERMINAL BLOCK 002565 3 1										
5 TERMINAL BLOCK, 208V-480V 034381 1 1 1 1 1 1 1 6 TERMINAL BLOCK 002565 3 1	4	FUSE HOLDER		004335	2	2	2	2	2	2
6 TERMINAL BLOCK 002565 3 1 7 CIRCUIT BREAKER, 208V-240V 012129 CALL 1-800-KEATING 2P, 40A 015203 CALL 1-800-KEATING 3P, 40A 015204 CALL 1-800-KEATING 8 CONTACTOR TRAY ALL 9 ELEMENT CLAMP ALL 004167 2 2 2 2 10 ELEMENT SPACER ALL 004167 2 2 2 2 2 11 CONTACTOR SHIELD ALL 1 1 1 1 1 12 PANEL BAR ALL 1 1 1 1 1 13 FRYER VESSEL CALL 1-800-KEATING 1 1 1 1 1 1 1 14 DRAIN VALVE, FRONT, 1 BB, TS 016341 1			BASKET-LIFT*			2	4	4	4	4
7 CIRCUIT BREAKER, 208V-240V 1P, 40A 012129 CALL 1-800-KEATING 2P, 40A 015203 CALL 1-800-KEATING 3P, 40A 015204 CALL 1-800-KEATING 8 CONTACTOR TRAY ALL 9 ELEMENT CLAMP ALL 004167 2 2 2 2 10 ELEMENT SPACER ALL 1 1 1 1 12 PANEA BAR ALL 1 1 1 1 12 PANEA BAR ALL 1 1 1 1 12 PANEA BAR ALL 1 1 1 1 13 FRYER VESSEL CALL 1-800-KEATING 1 1 1 1 1 14 DRAIN VALVE, FRONT, 1 BB, TS 004553 1 1 1 1 1 15 DOOR CATCH, ROLLER STYLE BB, TS 016341 1 1 1 1 1 16 DRIP CUP (INSIDE DOOR) BB, TS 004552<	5	TERMINAL BLOCK, 208V-480V		034381		1	1	1	1	1
1P, 40A 012129 CALL 1-800-KEATING 2P, 40A 015203 CALL 1-800-KEATING 3P, 40A 015204 CALL 1-800-KEATING 8 CONTACTOR TRAY ALL 9 ELEMENT CLAMP ALL 004167 2 2 2 2 10 ELEMENT SPACER ALL 004145 4 4 11 CONTACTOR SHIELD ALL 1 1 1 1 12 PANEL BAR ALL 1 1 1 1 1 13 FRYER VESSEL CALL 1-800-KEATING 1 1 1 1 1 14 DRAIN VALVE, FRONT, 1" BB, TS 004553 1 1 1 1 DRAIN VALVE, REAR, 1 " BB, TS 016342 1 1 1 1 DRAIN VALVE, REAR, 1 1/4" BB, TS 004554 1 1 1 1 DRAIN VALVE, FRONT, 2" OPTIONAL 019722 1 1 1 1 1 1 16	6	TERMINAL BLOCK		002565	3	1				
1P, 40A 012129 CALL 1-800-KEATING 2P, 40A 015203 CALL 1-800-KEATING 3P, 40A 015204 CALL 1-800-KEATING 8 CONTACTOR TRAY ALL 9 ELEMENT CLAMP ALL 004167 2 2 2 2 10 ELEMENT SPACER ALL 004145 4 4 11 CONTACTOR SHIELD ALL 1 1 1 1 12 PANEL BAR ALL 1 1 1 1 1 13 FRYER VESSEL CALL 1-800-KEATING 1 1 1 1 1 14 DRAIN VALVE, FRONT, 1" BB, TS 004553 1 1 1 1 DRAIN VALVE, REAR, 1 " BB, TS 016342 1 1 1 1 DRAIN VALVE, REAR, 1 1/4" BB, TS 004554 1 1 1 1 DRAIN VALVE, FRONT, 2" OPTIONAL 019722 1 1 1 1 1 1 16	7	CIRCUIT BREAKER, 208V-240V								
2P, 40A 015203 CALL 1-800-KEATING 3P, 40A 015204 CALL 1-800-KEATING 8 CONTACTOR TRAY ALL 1 1 1 1 9 ELEMENT CLAMP ALL 004167 2 2 2 2 10 ELEMENT SPACER ALL 004167 2 2 2 2 11 CONTACTOR SHIELD ALL 1 1 1 1 1 12 PANEL BAR ALL 1 1 1 1 1 13 FRYER VESSEL CALL 1-800-KEATING 1 1 1 1 1 1 14 DRAIN VALVE, FRONT, 1" BB, TS 016341 1 1 1 1 1 14 DRAIN VALVE, REAR, 1 1/4" BB, TS 016342 1 <t< td=""><td></td><td></td><td></td><td>012129</td><td>CALL</td><td>1-800-ł</td><td>KEATING</td><td>ì</td><td></td><td></td></t<>				012129	CALL	1-800-ł	KEATING	ì		
3P, 40A 015204 CALL 1-800-KEATING 8 CONTACTOR TRAY ALL 1 1 1 1 1 9 ELEMENT CLAMP ALL 004167 2				015203						
8 CONTACTOR TRAY ALL 1 1 1 1 1 1 9 ELEMENT CLAMP ALL 004167 2 </td <td></td>										
9 ELEMENT CLAMP ALL 004167 2 2 2 2 2 10 ELEMENT SPACER ALL 004145 4 4 11 CONTACTOR SHIELD ALL 1 1 1 1 1 12 PANEL BAR ALL 1 1 1 1 1 1 13 FRYER VESSEL CALL 1-800-KEATING 1 <	8		ALI						1	1
10 ELEMENT SPACER ALL 004145 4 11 CONTACTOR SHIELD ALL 1 1 1 1 12 PANEL BAR ALL 1 1 1 1 1 13 FRYER VESSEL CALL 1-800-KEATING 1 1 1 1 1 1 14 DRAIN VALVE, FRONT, 1" BB, TS 016353 1 1 1 1 1 DRAIN VALVE, FRONT, 11/4" BB, TS 016341 1 <td< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>2</td></td<>										2
11 CONTACTOR SHIELD ALL 1 1 1 1 1 12 PANEL BAR ALL 1 1 1 1 1 1 13 FRYER VESSEL CALL 1-800-KEATING 1					2	2			2	2
12 PANEL BAR ALL 1 1 1 1 1 13 FRYER VESSEL CALL 1-800-KEATING 1 1 1 1 1 1 14 DRAIN VALVE, FRONT, 1" BB, TS 004553 1 1 1 1 1 14 DRAIN VALVE, REAR, 1" BB, TS 016341 1 1 1 1 1 15 DRAIN VALVE, REAR, 1 1/4" BB, TS 004554 1					-	4			4	4
13 FRYER VESSEL CALL 1-800-KEATING 1 <										1
14 DRAIN VALVE, FRONT, 1" BB, TS 004553 1 1 DRAIN VALVE, REAR, 1" BB, TS 016341 1 1 DRAIN VALVE, REAR, 1" BB, TS 004554 1 1 1 DRAIN VALVE, FRONT, 1 1/4" BB, TS 004554 1 1 1 DRAIN VALVE, REAR, 1 1/4" BB, TS 016342 1 1 1 DRAIN VALVE, REAR, 1 1/4" BB, TS 016342 1 1 1 DRAIN VALVE, REAR, 1 1/4" BB, TS 016342 1 1 1 DRAIN VALVE, FRONT, 2" OPTIONAL 019722 1 1 1 DRAIN VALVE, FRONT, 2" OPTIONAL 019722 1 1 1 DRAIN VALVE, FRONT, 2" OPTIONAL 019722 1 1 1 DOOR CATCH, ROLLER STYLE BB, TS 004552 1 1 1 1 16 DRIP CUP (INSIDE DOOR) BB, TS 004341 1 1 1 1 18 THERMOSTAT SEE MODEL SEE PAGES 15-18 1 1 1<					-		-			1
DRAIN VALVE, REAR, 1" BB, TS 016341 1 1 DRAIN VALVE, REAR, 1 1/4" BB, TS 004554 1 1 1 DRAIN VALVE, FRONT, 1 1/4" BB, TS 004554 1 1 1 1 DRAIN VALVE, FRONT, 1 1/4" BB, TS 004554 1					-		1	1	1	1
DRAIN VALVE, FRONT, 1 1/4" BB, TS 004554 1 1 1 DRAIN VALVE, REAR, 1 1/4" BB, TS 016342 1 1 1 DRAIN VALVE, REAR, 1 1/4" BB, TS 016342 1 1 1 1 DRAIN VALVE, FRONT, 2" OPTIONAL 019722 1 1 1 1 15 DOOR CATCH, ROLLER STYLE BB, TS 004540 1 1 1 1 16 DRIP CUP (INSIDE DOOR) BB, TS** 004552 1 1 1 1 1 17 HI-LIMIT CONTROL W/RESET BB, TS 004341 1 1 1 1 1 18 THERMOSTAT SEE MODEL SEE PAGES 15-18 1 1 1 1 18 THERMOSTAT SEE MODEK VENTER SEE PAGES 15-18 1 1 1 1 19 BASKET HANGER MOUNTING BLOCK VENTER BB, TS 004539 1 1 1 1 1 16 IFT BB, TS 004538 1 1 1	14									
DRAIN VALVE, REAR, 1 1/4" BB, TS 016342 1 1 1 DRAIN VALVE, REAR, 1 1/4" BB, TS 016342 1 1 1 1 DRAIN VALVE, FRONT, 2" OPTIONAL 019722 1 1 1 1 1 1 15 DOOR CATCH, ROLLER STYLE BB, TS 004540 1 1 1 1 1 1 16 DRIP CUP (INSIDE DOOR) BB, TS* 004552 1 </td <td></td> <td></td> <td></td> <td>016341</td> <td>1</td> <td>1</td> <td></td> <td></td> <td></td> <td></td>				016341	1	1				
DRAIN VALVE, FRONT, 2" OPTIONAL 019722 1 1 1 15 DOOR CATCH, ROLLER STYLE BB, TS 004540 1 1 1 1 16 DRIP CUP (INSIDE DOOR) BB, TS** 004552 1 1 1 1 1 17 HI-LIMIT CONTROL W/RESET BB, TS 004341 1 1 1 1 1 18 THERMOSTAT SEE MODEL SEE PAGES 15-18 1 1 1 1 19 BASKET HANGER MOUNTING BLOCK		DRAIN VALVE, FRONT, 1 1/4"	BB, TS	004554			1	1	1	2
15 DOOR CATCH, ROLLER STYLE BB, TS 004540 1 1 1 1 1 16 DRIP CUP (INSIDE DOOR) BB, TS** 004552 1 1 1 1 1 17 HI-LIMIT CONTROL W/RESET BB, TS 004341 1 1 1 1 1 18 THERMOSTAT SEE MODEL SEE PAGES 15-18 1 1 1 1 19 BASKET HANGER MOUNTING BLOCK		DRAIN VALVE, REAR, 1 1/4"	BB, TS	016342			1	1	1	2
15 DOOR CATCH, ROLLER STYLE BB, TS 004540 1 1 1 1 1 16 DRIP CUP (INSIDE DOOR) BB, TS** 004552 1 1 1 1 1 17 HI-LIMIT CONTROL W/RESET BB, TS 004341 1 1 1 1 1 18 THERMOSTAT SEE MODEL SEE PAGES 15-18 1 1 1 1 19 BASKET HANGER MOUNTING BLOCK SEE PAGES 15-18 1 1 1 1 19 BASKET HANGER MOUNTING BLOCK SEE PAGES 15-18 1 1 1 1 10 BB, TS 004539 1 1 1 1 1 10 EFT BB, TS 003813 1 1 1 1 11 1 1 1 1 1 1 1 1 11 1 1 1 1 1 1 1 1 1 12 FT BB, TS 004538 1 1 1 1 1 <td></td> <td>DRAIN VALVE, FRONT, 2"</td> <td>OPTIONAL</td> <td>019722</td> <td></td> <td></td> <td>1</td> <td>1</td> <td>1</td> <td>2</td>		DRAIN VALVE, FRONT, 2"	OPTIONAL	019722			1	1	1	2
16 DRIP CUP (INSIDE DOOR) BB, TS** 004552 1	15		BB, TS	004540	1	1	1	1	1	2
17 HI-LIMIT CONTROL W/RESET BB, TS 004341 1	16				1	1	1	1	1	2
18 THERMOSTAT SEE MODEL SEE PAGES 15-18 19 BASKET HANGER MOUNTING BLOCK 1 1 1 1 19 BASKET HANGER MOUNTING BLOCK BB, TS 004539 1 1 1 1 1 LEFT BB, TS 004539 1 1 1 1 1 1 CENTER BB, TS 003813 1 1 1 1 1 1 RIGHT BB, TS 004538 1 1 1 1 1 8" - 24" BASKET-LIFT MODELS INCLUDE 2 IN TRANSFORMER BOX. RIP CUP NOT ON CM MODEL 10x11 14 18 20 24	17					-	1			1
19 BASKET HANGER MOUNTING BLOCK LEFT BB, TS 004539 1 1 1 1 CENTER BB, TS 003813 1 1 1 1 RIGHT BB, TS 004538 1 1 1 1 8" - 24" BASKET-LIFT MODELS INCLUDE 2 IN TRANSFORMER BOX. RIP CUP NOT ON CM MODEL 10x11 14 18 20 24	18				-	-	-		-	
LEFT BB, TS 004539 1 1 1 1 1 CENTER BB, TS 003813 1 1 1 1 1 RIGHT BB, TS 004538 1 1 1 1 1 1 8" - 24" BASKET-LIFT MODELS INCLUDE 2 IN TRANSFORMER BOX. RIP CUP NOT ON CM MODEL 10x11 14 18 20 24	19				0111					
CENTER BB, TS 003813 1 1 1 1 RIGHT BB, TS 004538 1 1 1 1 1 8" - 24" BASKET-LIFT MODELS INCLUDE 2 IN TRANSFORMER BOX. RIP CUP NOT ON CM EM DESCRIPTION MODEL 10x11 14 18 20 24	10			004530	1	1	1	1	1	1
RIGHT BB, TS 004538 1 1 1 1 1 8" - 24" BASKET-LIFT MODELS INCLUDE 2 IN TRANSFORMER BOX. RIP CUP NOT ON CM RIP CUP NOT ON CM RIP RIP 10x11 14 18 20 24					I	I				
8" - 24" BASKET-LIFT MODELS INCLUDE 2 IN TRANSFORMER BOX. RIP CUP NOT ON CM EM DESCRIPTION MODEL 10x11 14 18 20 24							-	-		2
RIP CUP NOT ON CM EM DESCRIPTION MODEL 10x11 14 18 20 24		RIGHT	BB, IS	004538	1	1	1	1	1	1
M DESCRIPTION MODEL 10x11 14 18 20 24			RANSFORMER B	OX.						
20 BASKET HANGER ROD (2 PER FRYER) BB, TS 018553 018477 018556 018559 0185	EM									
	20	BASKET HANGER ROD (2 PER FRY	ER) BB, TS	018553	018477	7 O	18556	01855	9 0	1856

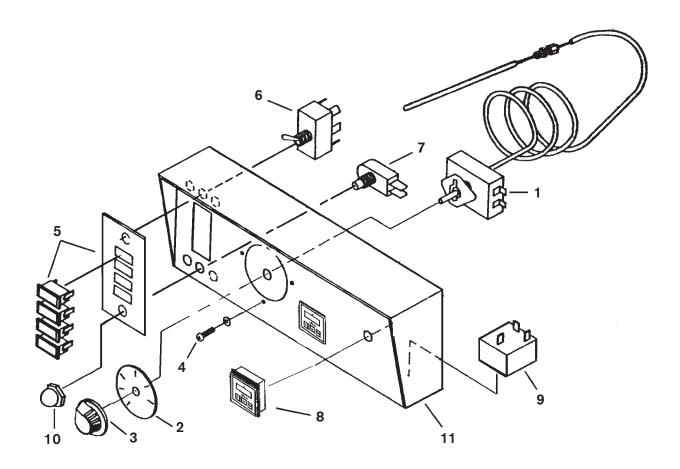
ELECTRIC FRYER ASSEMBLY



BB CONTROL PANEL

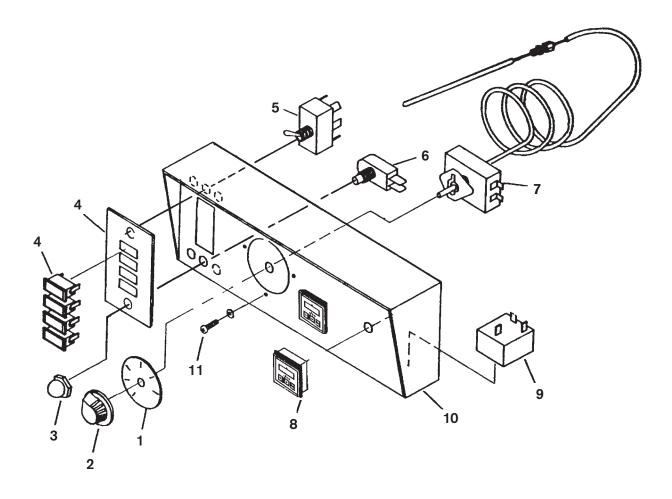


ITEM	DESCRIPTION	P/N	QTY
1	THERMOSTAT	031099	1
2	THERMOSTAT DIAL PLATE	058037	1
3	THERMOSTAT KNOB, BLACK	060612	1
4	RETAINING SCREWS	004610	3
5	ON/OFF/MELT SWITCH PLATE	009919	1
6	TOGGLE SWITCH, ON/OFF/MELT	004326	1
7	INDICATING LIGHT - AMBER 220V	004157	2
8	HI-LIMIT TEST PLATE	004305	1
9	HI-LIMIT TEST BUTTON	004304	1
10	POWER ON LIGHT PLATE	004307	1
11	ELEMENT ON LIGHT PLATE	004306	1
12	MELT CONTROL, 220V	034271	1
13	NUT WITH BOOT	009389	1
14	CONTROL PANEL, HOODED		1

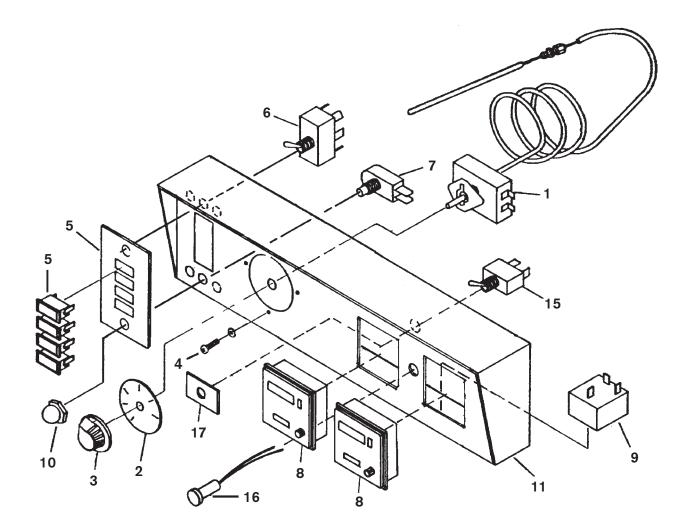


ITEM	DESCRIPTION	P/N	ΟΤΥ
			Q11
1	THERMOSTAT	031099	1
2	THERMOSTAT DIAL PLATE	058037	1
3	THERMOSTAT KNOB, BLACK	060612	1
4	RETAINING SCREWS	004610	3
5	LIGHTS, WHITE	016639	3
	LIGHT, RED	016640	1
	MOUNTING PLATE		1
6	TOGGLE SWITCH, ON/OFF/MELT	004326	1
7	HI-LIMIT TEST BUTTON	004304	1
8	TIMER	023709	2
9	MELT CONTROL, 220V	037890	1
10	NUT WITH BOOT	009389	1
11	CONTROL PANEL, HOODED		1

10x11 & 14 BASKET-LIFT CONTROL PANEL

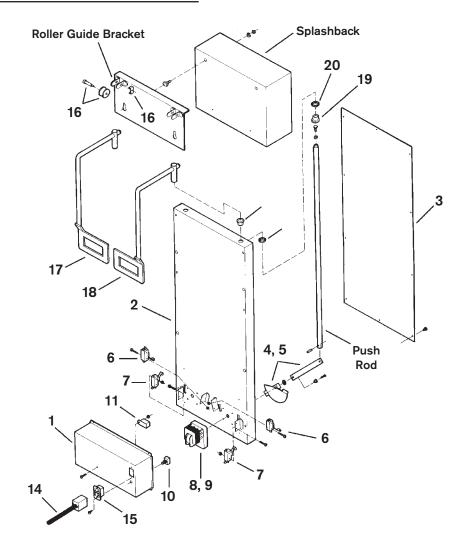


ITEM	DESCRIPTION	P/N	QTY
1	THERMOSTAT	031099	1
2	THERMOSTAT DIAL PLATE	058037	1
3	THERMOSTAT KNOB, BLACK	060612	1
4	RETAINING SCREWS	004610	3
5	LIGHTS, WHITE	016639	3
	LIGHT, RED	016640	1
	MOUNTING PLATE		1
6	TOGGLE SWITCH, ON/OFF/MELT	004326	1
7	HI-LIMIT TEST BUTTON	004304	1
8	TIMER	023709	2
9	MELT CONTROL, 120V	004169	1
10	NUT WITH BOOT	009389	1
11	CONTROL PANEL, HOODED		1

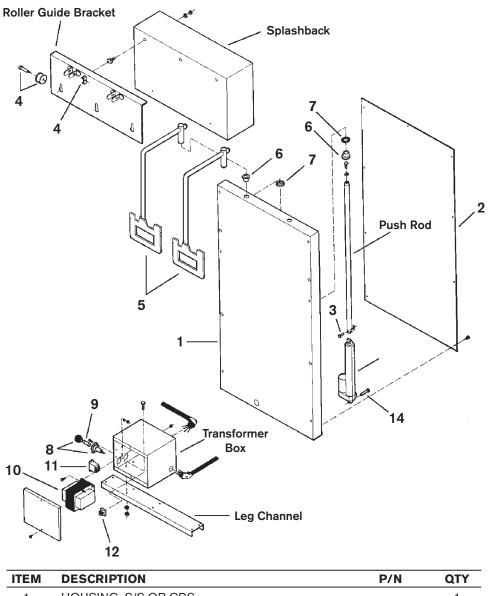


ITEM	DESCRIPTION	P/N	QTY
1	THERMOSTAT	031099	1
2	THERMOSTAT DIAL PLATE	058037	1
3	THERMOSTAT KNOB, BLACK	060612	1
4	RETAINING SCREWS	004610	3
5	LIGHTS, WHITE	016639	3
	LIGHT, RED	016640	1
	MOUNTING PLATE		1
6	TOGGLE SWITCH, ON/OFF/MELT	004326	1
7	HI-LIMIT TEST BUTTON	004304	1
8	TIMER	023709	2
9	MELT CONTROL, 220V	037890	1
10	NUT WITH BOOT	009389	1
11	CONTROL PANEL, HOODED		1

14 BASKET LIFT HOUSING AND ROLLER GUIDE



ITEM	DESCRIPTION	P/N	QTY
1	MOTOR AND WIRE COVER		1
2	HOUSING, S/S OR CRS		1
3	REAR COVER, S/S OR CRS		1
4	LEFT SIDE CRANK BAR & CAM (Viewing front of fryer)	016209	1
5	RIGHT SIDE CRANK BAR & CAM (Viewing front of fryer) 016401	1
6	MICROSWITCH, MOTOR LIMIT	004592	2
7	MICROSWITCH, BUZZER LIMIT	004592	2
8	MOTOR, CCW, LEFT (Viewing front of fryer)	000390	1
9	MOTOR, CW, RIGHT (Viewing front of fryer)	000391	1
10	BUZZER ON/OFF SWITCH WITH PLATE	004499	1
11	BUZZER	004223	1
12	FUSE HOLDER	SEE PAGE 13	2
13	FUSE, GROUND FAULT, 5A, SC-5	SEE PAGE 13	2
14	WIRE HARNESS ASSEMBLY W/PLUG, 6-PRONG	008296	1
15	RECEPTACLE, 6-PRONG, MALE, W/WIRE HARNESS	018754	1
16	ROLLER FOR LIFT ROD	015817	2
	ROLLER PIN	016393	2
	ROLLER PIN LOCK	016392	2
17	LIFT ROD, LEFT (Viewing front of fryer)	018990	1
18	LIFT ROD, RIGHT (Viewing front of fryer)	018991	1
19	BUSHING, PUSH ROD	016405	4
20	BUSHING RETAINING RING	015831	4

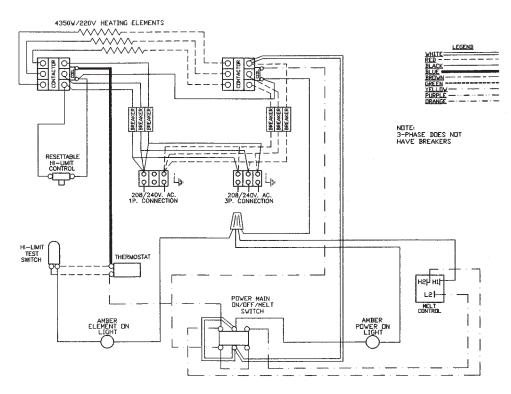


ITEM	DESCRIPTION	P/N	QTY
1	HOUSING, S/S OR CRS		1
2	REAR COVER, S/S OR CRS		1
3	LINEAR ACTUATOR, 24VDC, WITH LIMIT SWITCHES	018471	2
4	ROLLER FOR LIFT ROD	015817	2
	ROLLER PIN)	016393	2
	ROLLER PIN LOCK	016392	2
5	LIFT ROD, FOR SPLIT BASKETS	020086	2
6	BUSHING, PUSH ROD	016405	4
7	BUSHING RETAINING RING	015831	4
8	FUSE HOLDER	004335	2
9	FUSE, ACTUATOR GROUND FAULT, 3A, SC-3	004334	2
10	TRANSFORMER STEPDOWN 120V-24V 150VA		
	(for basket lift with 2 actuators)	011777	1
	TRANSFORMER STEPDOWN 240/480-24V 150VA		
	(for basket lift with 2 Actuators)	019345	1
11	RELAY, BASKET-LIFT	008088	2
12	RECTIFIER, 24VDC, WITH WIRES	019427	1
13	UPPER ACTUATOR CLEVIS PIN, 1/4"x3/4"	019218	2
14	LOWER ACTUATOR CLEVIS PIN, 1/4"x1-3/8"	019219	2

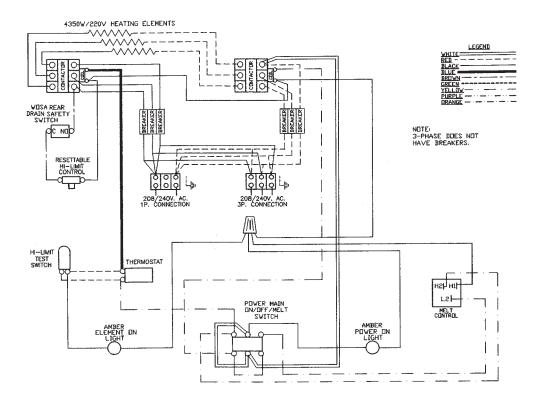
WIRING DIAGRAMS

NOTE: A separate wiring diagram has been included with this manual and should be saved for troubleshooting and maintaining the fryer. The wiring diagrams in this section cover standard fryers which may or may not match the diagram sent with the fryer. Non-standard fryers such as CPU models and all 24" and 34"x24" BB and TS models do not have wiring diagrams printed in this section.

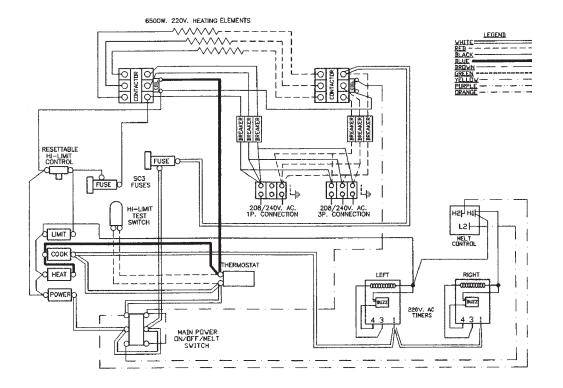
14 BB



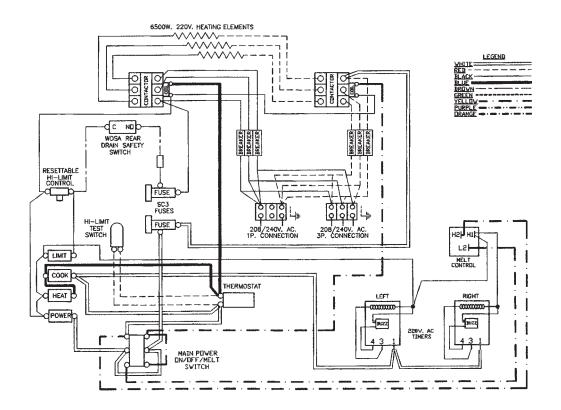
14 BB WITH WHIRL-O-SWIRL-A-WAY



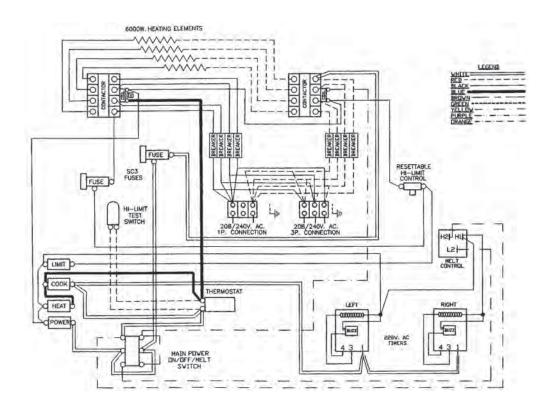
14 TS



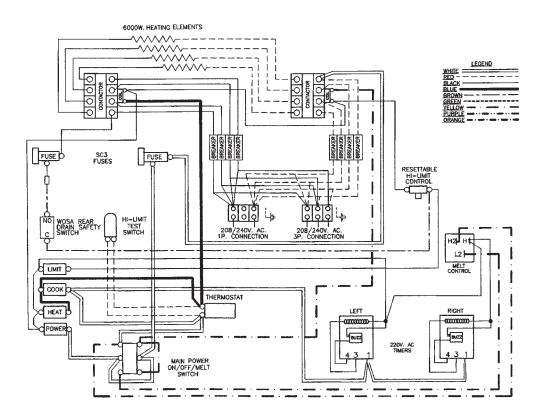
14 TS WITH WHIRL-O-SWIRL-A-WAY



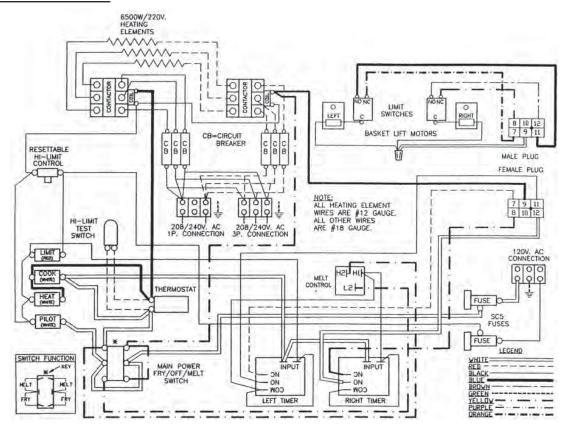
18, 20 TS



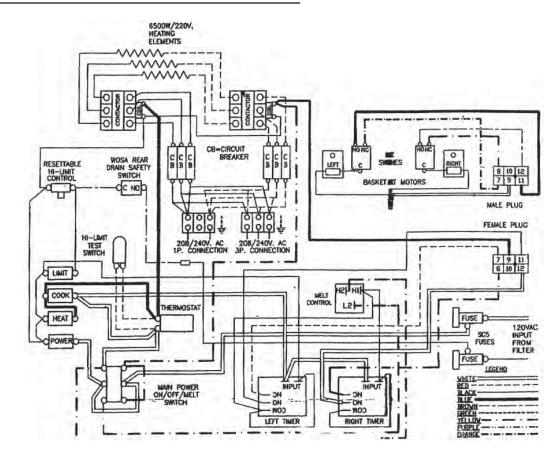
18, 20 TS WITH WHIRL-O-SWIRL-A-WAY



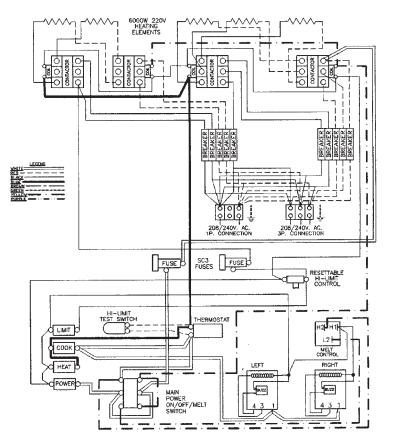
14 TS WITH BASKET-LIFT



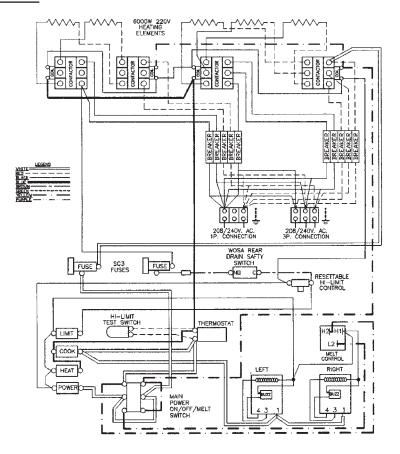
14 TS WITH BASKET-LIFT WITH WHIRL-O-SWIRL-A-WAY



24 TS WITH BASKET-LIFT



24 TS WITH BASKET-LIFT



KEATING FRYER SPECIFICATIONS

BB FM-E MODELS:

10x11 BB FM-E

VOLTS	kW		s per l Ree pha L2		AMPS SINGLE PHASE
208	6.7	19	19	19	32
220	7.5	20	20	20	34
240	8.9	22	22	22	37

• 3 ELEMENTS (2500W EACH)

14 BB FM-E

24 BB FM-E

kW

21.5

24.0

VOLTS

208

220

VOLTS	kW		s per l Ree pha L2		AMPS SINGLE PHASE
208	11.7	32	32	32	56
220	13.1	34	34	34	59
240	15.5	37	37	37	65

AMPS PER LINE -

THREE PHASE

L2

68

72

L3

45

47

AMPS

SINGLE PHASE

103

109

119

• 3 ELEMENTS (4350W EACH)

18/20 BB FM-E

VOLTS	kW		s per l Ree pha L2		AMPS SINGLE PHASE
208	16.1	45	45	45	77
220	18.0	47	47	47	82
240	21.4	52	52	52	89

• 3 ELEMENTS (6000W EACH)

• 78 LB. OIL CAPACITY (18")

• 110 LB. OIL CAPACITY (20")

34x24 BB

VOLTS	kW	AMPS PER LINE - THREE PHASE			AMPS SINGLE
		L1	L2	L3	PHASE
208	28.6	68	89	68	129
220	30.0	72	95	72	136
240	35.7	79	103	79	149
480	35.7	39	52	39	74

• 5 ELEMENTS (6000W EACH)

• 210 LB. OIL CAPACITY

* RATINGS ARE THE SAME FOR FLOOR MODELS AND COUNTER MODELS

L1

68

• 4 ELEMENTS (6000W EACH)

⁷² 240 28.6 79 79 52

TS MODELS:

10x11 TS FM-E

VOLTS	kW		s per l Ree pha L2		AMPS SINGLE PHASE
208	10.2	28	28	28	49
220	11.4	30	30	30	52
240	13.6	33	33	33	57

• 3 ELEMENTS (3800W EACH)

18/20 TS FM-E

VOLTS	kW		S PER L REE PH/ L2		AMPS SINGLE PHASE
208	21.5	68	68	45	103
220	24.0	72	72	47	109
240	28.6	79	79	52	119

• 4 ELEMENTS (6000W EACH)

- 78 LB. OIL CAPACITY (18")
- 110 LB. OIL CAPACITY (20")

14 TS FM-E

VOLTS	kW		s per l Ree pha L2		AMPS SINGLE PHASE
208	17.4	48	48	48	84
220	19.5	51	51	51	89
240	23.2	56	56	56	97

• 3 ELEMENTS (6500W EACH)

24 TS FM-E

VOLTS	kW		PS PER L REE PHA L2		AMPS SINGLE PHASE
208	26.8	68	89	68	129
220	30.0	72	95	72	136
240	35.7	79	103	79	149

• 5 ELEMENTS (6000W EACH)

34x24 TS FM-E

VOLTS	kW	AMPS PER LINE - THREE PHASE L1 L2 L3			AMPS SINGLE PHASE
208	32.2	89	89	89	155
220	36.0	95	95	95	164
240	42.8	103	103	103	179

• 6 ELEMENTS (6000W EACH)

• 210 LB. OIL CAPACITY

* RATINGS ARE THE SAME FOR FLOOR MODELS AND COUNTER MODELS

KEATING WARRANTY

LIMITED WARRANTY

Keating of Chicago, Inc. ("Keating") warrants to the original purchaser. ("Customer"), all new Keating Fryers, Filter Systems, Griddles, Keep Krisp®, Custom Pasta Systems, Top-SideTM Cookers, Computer Timers, Fryer & Pasta Vessels and Keating replacement parts ("products") installed after June 1, 1994 to be free to defects in material or workmanship, subject to the following terms and conditions.

LENGTH OF WARRANTY

All products other than Fryer & Pasta Vessels and replacement parts shall be warranted for a period of one year from the date of original equipment installation. Keating replacement parts are warranted for a period of ninety days from the date of installation. Fryer & Pasta Vessels are warranted as described below.

FRYER & PASTA VESSEL WARRANTY

Fryers purchased after June 1, 1994 carry a prorated vessel warranty on defects in materials or workmanship to the Customer based on the following scale:

Fryer Vessel Warranty Credit	100%	80%	60%	40%	20%	10%
Time from Installation Date	13-60 months	61-72 months	73-84 months	85-96 months	97-108 months	109-120 months

The credit for the defective fryer & pasta vessel shall be applied against the cost of the replacement vessel, utilizing Keating's then current price, upon return of the vessel to Keating, (freight to be paid by Keating within the first 12 months only), only during the first 60 months, subject to the limitations described below.

LIMITATIONS OF LIABILITY

In the event of warranty claim or otherwise, the sole obligation of Keating shall be the repair and / or replacement replacement at the option of Keating of the product or component or part thereof. Such repair or replacement shall be at the expense of Keating except that the Customer shall pay the following expenses: all freight and labor expense for Keating replacement parts; for all other products, mileage exceeding 50 miles or travel more than one hour, labor costs of more than one person, overtime rates, truck charges, difference between ground and other mode of transportation, and holiday charges. Any repair or replacement under this Limited Warranty does not constitute an extension of the original warranty for any component or part thereof. Parts to be replaced under this Limited Warranty will be repaired at the option of Keating with new or functionally operative parts. Keep Krisps and Computer Timers must be returned to Kaating for warranty repair or replacement.

THE LIABILITY OF KEATING ON ANY CLAIM OF ANY KIND, INCLUDING CLAIMS BASED ON WARRANTY, EXPRESSED OR IMPLIED, CONTRACT, NEGLIGENCE, STRICT LIABILITY OR ANY OTHER THEORIES SHALL BE SOLELY AND EXCLUSIVELY THE REPAIR OR REPLACEMENT OF THE PRODUCT AS STATED HEREIN, AND SUCH LIABILITY SHALL NOT INCLUDE, AND CUSTOMER SPECIFICALLY RENOUNCES ANY RIGHTS TO RECOVER, SPECIAL INCIDENTAL, CONSEQUENTIAL OR OTHER INJURIES TO PERSONS OR DAMAGE TO PROPERTY, LOSS OF PROFITS OR ANTICIPATED PROFITS, OR LOSS OF USE OF THE PRODUCT.

If any oral statements have been made regarding the Keating products, such statements do not constitute warranties and are not part of the contract sale. This Limited Warranty constitutes the complete, final and exclusive statement with regard to warranties. This limited warranity is exclusive and is in ued of all other warranties whether written, oral, statutory or impled, including but not limited to any warranity of merchantability or fitness for particular purpose or warranity against latent defects.

EXCLUSIONS

The warranties provided by Keating of Chicago, Inc. do not apply in the following instances:

- Defects arising out of or resulting from improper installation or maintenance, abuse, misuse, modification
 or alteration by unauthorized service personnel, or any other condition not attributable to a defect in
 material or workmanship. Proper installation and maintenance are the responsibility of the installer and
 Customer, respectively. Proper installation and maintenance procedures are prescribed by the Keating
 Service Manual.
- 2. In the event that the product was damaged after leaving the factory due to flood, fire, other acts of God or accident, damage during shipment should be reported to the carrier and is not the responsibility of Keating.
 - 3. In the event the serial number or rating plate has been removed from the product or altered.
- On parts which would normally be worn or replaced under normal conditions, including but not limited to electric bulbs, fuses, interior and exterior finishes, gaskets and radiants.
 - 5. With regard to adjustments and calibrations such as leveling, tightening of fasteners or plumbing connections, improper gas pressure or improper electrical supply, the checking of and changes in adjustment and calibrations are the responsibility of the installer. Proper installation procedures are prescribed by the Keating Service Manual.
- 6. In the event of unauthorized repairs or alterations to the Keating product.
- 7. With the use of sodium chloride in pasta vessels or harsh chemicals in fryer or pasta vessels.
- 8. Installation in Household.

OTHER TERMS AND CONDITIONS

The Customer must provide proof of purchase from Keating.

This Limited Warranty is valid in the 50 United States, its territories, and Canada, and is void elsewhere.

Keating products are sold for commercial use only. If any Keating product is sold as a component of another product or used as a consumer product, such Keating product is sold As Is without any warranty. If any provision of this Limited Warranty is held to be unenforceable under the law of any jurisdiction, such provision shall be inapplicable in such jurisdiction, and the remainder of the warranty shall remain unaffected. Further in such event, the maximum exclusion or limitation allowable under applicable law shall be deemed substituted for the unenforceable provision.

This Limited Warranty shall be governed by and construed in accordance with the laws of the State of Illinois.

TO SECURE WARRANTY SERVICE

All repair services under this Limited Warranty must be authorized by Keating or performed at Keating. Authorization may be obtained by calling 1-800-KEATING within the Continental United States, Alaska, Hawaii, Puerto Rico and Canada during normal business hours (8 a.m. through 5 p.m. Central Time, Monday through Friday). When calling, please have the following information available: (1) name, address and telephone number of the Customer; (2) location of product, if different; (3) name, model number and service authorization work order number to one of its approved independent servicing organizations, or request the product or part be shipped to Keating for repaire or replacement, as appropriate. Any defective part subject to a claim under this Limited Warranty must be shipped freight prepaid to Keating for testing and examination. Keating's decision as to the cause and nature of any defect under this Limited Warranty shall be final. 6/11

SERVICE INFORMATION:

If you have a service related question call **1-800-KEATING**. Please state the nature of the call; it will ensure speaking with the appropriate person.

Have your serial and model number available when ordering parts.

As continuous product improvement occurs, specifications may be changed without notice.

KEATING LIMITED WARRANTY CARD

PLEASE COMPLETE AND MAIL AT ONCE–WARRANTY IS NOT IN EFFECT UNTIL CARD IS RETURNED, OR COMPLETE THE WARRANTY CARD ON OUR WEBSITE FOR YOUR CONVENIENCE.

.....

COMPANY:		
ADDRESS:		
CITY:	STATE:	ZIP CODE:
DEALER NAME:		
DATE OF PURCHASE:	INVOICE #:	
SERIAL #:	MODEL:	
☐ FRYER □ FILTER SYSTEM	GRIDDLE	CUSTOM PASTA
I HAVE READ THE INSTAL	LATION AND OPERATING IN	ISTRUCTIONS.
SIGNED:		DATE:



KEATING OF CHICAGO, INC. 8901 West 50th Street McCook, IL 60525-6001 1-800-KEATING PHONE: 708-246-3000 FAX: 708-246-3100

Serving Those Who Serve the Very Best®