FKM-F & FKM-FC

ELECTRIC PRESSURE FRYERS

OPERATOR & INSTALLATION MANUAL

SERIAL NUMBERS 811000 AND HIGHER

BKI

www.bkideas.com

42 Allen Martin Drive, Essex Junction, Vermont 05452 USA Telephone: (802) 658-6600 Fax: (802)864-0183

PN SS-OM- 015.08 (9/25/2026)

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BKI LIMITED WARRANTY

42 Allen Martin Drive, Essex Junction, VT 05452 • USA
(802) 658-6600 • Fax: (802) 864-0183

WHAT IS COVERED	This warranty covers defects in material and workmanship under normal use, and applies only to the original purchaser providing that: • The equipment has not been accidentally or intentionally damaged, altered or misused; • The equipment is properly installed, adjusted, operated and maintained in accordance with national and local codes, and in accordance with the installation and operating instructions provided with this product. • The serial number rating plate affixed to the equipment has not been defaced or removed.
WHO IS COVERED	This warranty is extended to the original purchaser and applies only to equipment purchased for use in the U.S.A.
COVERAGE PERIOD	• Warranty claims must be received in writing by BKI within one (1) year from date of installation or within one (1) year and three (3) months from data of shipment from the factory, whichever comes first. • Warranty period begins the date of dealer invoice to customer or ninety (90) days after shipment date from BKI, whichever comes first.
WARRANTY COVERAGE	This warranty covers on-site labor, parts and reasonable travel time and travel expenses of the authorized service representative up to (100) miles round trip and (2) hours travel time and performed during regular, weekday business hours.
EXCEPTIONS	Any exceptions must be pre-a roved in advance and in writing by BKI. The extended door warranty on convection ovens years 3 through 5 is a parts only warranty and does not include labor, travel, mileage or any other charges.
EXCLUSIONS	• Negligence or acts of God, • Thermostat calibrations after (30) days from equipment installation date, • Air and gas adjustments, • Light bulbs, • Glass doors and door adjustments, • Fuses, • Adjustments to burner flames and cleaning of pilot burners, • Tightening of screws or fasteners, • Failures caused by erratic voltages or gas suppliers, • Unauthorized repair by anyone other than a BKI Factory Authorized Service • Damage in shipment, • Alteration, misuse or improper installation, • Thermostats and safety valves with broken capillary tubes, • Freight – other than normal UPS charges, • Ordinary wear and tear, • Failure to follow installation and/or operating instructions, • Events beyond control of the company.
INSTALLATION	Leveling, as well as proper installation and check out of all new equipment - per appropriate installation and use materials – is the responsibility of the dealer or installer, not the manufacturer.
REPLACEMENT PARTS	BKI genuine Factory OEM parts receive a (90) day materials warranty effective from the date of installation by a BKI Factory Authorized Service Center. Warranty is in lieu of all other warranties, expressed or implied, and all other obligations or liabilities on the manufacturer's part. BKI shall in no event be liable for any special, indirect or consequential damages, or in any event for damages in excess of the purchase price of the unit. The repair or replacement of proven defective parts shall constitute a fulfillment of all obligations under the terms of this warranty.

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INTRODUCTION

The FKM Pressure Fryer is compact, attractive and functional in design. It is constructed of a stainless steel fryer pot for cleaning ease. Exclusive BKI patented features and safety devices offer flexibility, efficiency and reliability plus **PERFECTION IN PRESSURE FRYING!**

The BKI name and trademark on this unit assures you of the finest in design and engineering -- that it has been built with care and dedication -- using the best materials available. Attention to the operating instructions regarding proper installation, operation, and maintenance will result in long lasting dependability to insure the highest profitable return on your investment.

NOTICE PLEASE READ THIS ENTIRE MANUAL BEFORE OPERATING THE UNIT. If you have any questions, please contact your BKI Distributor. If they are unable to answer your questions, contact the BKI Technical Service Department, (802) 658-6600.

SAFETY PRECAUTIONS

Always follow recommended safety precautions listed in this manual. Below is the safety alert symbol. When you see this symbol on your equipment, be alert to the potential for personal injury or property damage.



Safety Signs and Messages

The following Safety signs and messages are placed in this manual to provide instructions and identify specific areas where potential hazards exist and special precautions should be taken. Know and understand the meaning of these instructions, signs, and messages. Damage to the equipment, death or serious injury to you or other persons may result if these messages are not followed.

⚠ DANGER This message indicates an imminently hazardous situation which, if not avoided, will result in death or serious injury.

⚠ WARNING This message indicates a potentially hazardous situation, which, if not avoided, could result in death or serious injury.

⚠ CAUTION This message indicates a potentially hazardous situation, which, if not avoided, may result in minor or moderate injury. It may also be used to alert against unsafe practices.

NOTICE This message is used when special information, instructions or identification are required relating to procedures, equipment, tools, capacities and other special data.

Specific Precautions

⚠WARNING Risk of fire exists if the oil level drops below the minimum indicated level.

⚠WARNING Use of oil/shortening older than the manufacturers recommendations for life of the oil is prone to surge boiling and flash fires. Follow the oil manufacturers guidelines for the life cycle of oil/shortening.

⚠WARNING Do not open the drain valve or the fill valve while the fryer is operating. Serious burns may result.

⚠WARNING

California Residents Only

This product can expose you to chemicals including chromium, and lead which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

⚠CAUTION Follow instructions regarding effects of surge boiling of over-wet foods and proper load size.

⚠CAUTION

Equipotential ground plane

When a high current flows through a conductor, differences in potential appear between the conductor and nearby metallic surfaces near the appliance. As a result, sparks may be produced between the appliance and surrounding metal surfaces. These sparks could cause serious injury, damage, or fire.



BKI provides an Equipotential ground terminal for the connection of a bonding conductor after the installation of the appliance per IEC60417-1. This terminal is located on the inside of the Power Entry Supply box near the Earth connection and is marked with this symbol.

NOTICE

Full Disconnection

In accordance with Local and/or National wiring codes, the installer must provide a means of full disconnection under over voltage Category III conditions. An IEC approved cord and plug combination will meet this requirement.

Units not provided with a cord and plug do not meet this requirement. In accordance with Local and/or National wiring codes, the installer must provide the means of full disconnection.

NOTICE The fryer is designed to hold a maximum of 75lbs (34KG) of oil/shortening.

Safe Work Practices



Noncombustible Floors Only

Make sure your floor is noncombustible. Do not operate your fryer on floors that are wood, carpeted or have rubber mats.

- Placing your fryer on a combustible floor could cause a fire. Serious injury could result.
- Examples of noncombustible floors where you can safely place your fryer are concrete, tile, and ceramic.



Keep The Area Around Your Fryer Uncluttered

Make sure to keep the area around your fryer clear of any obstacles.

Serious injury can occur if you trip or fall near the fryer. You could be burned by hot shortening that splashes out of the fryer or by falling against the hot metal of the fryer.



Keep The Floor Around Your Fryer Clean Of Shortening

Make sure to keep the floor around your fryer clean of shortening and other liquids.

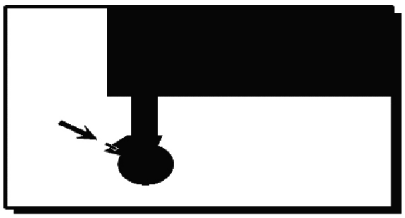
Serious injury can occur if you slip near your fryer. You could be burned by hot shortening that splashes out of the fryer or by falling against the hot metal of the fryer.



Keep The Lid Closed When The Fryer Is Not In Use

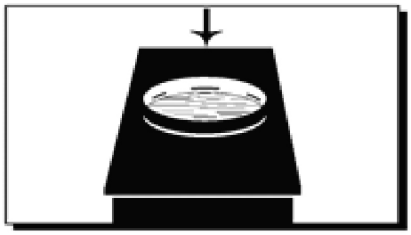
Hot shortening can splash if someone moves the fryer or bumps into it. Serious injury can occur if hot shortening splashes out of the fryer.

Do not lean, sit or stand on the fryer or perform any maintenance or cleaning duties while the fryer or the shortening is hot. You could be burned



Keep The Casters Locked

To avoid spilling shortening, keep the casters locked. If any shortening spills near your fryer, clean it up immediately.



Do Not Overfill The Fryer With Shortening

Hot shortening and steam may escape and burn you if you put too much shortening in the fryer. Fill the fryer to approximately one inch below the fill marks that are inside the fryer pot. Heat the shortening. If needed, carefully add more shortening to bring the level to the fill marks.



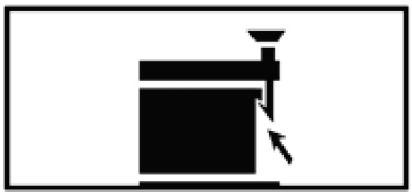
Do Not Let Any Water Get Into The Fryer

Always remove excess moisture from food before placing it into the fryer basket. Water will cause the hot shortening to spatter. You could be burned.



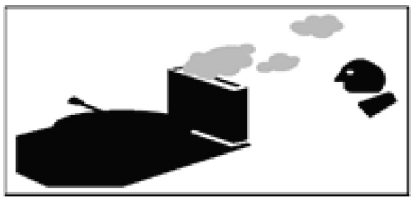
Do Not Overload The Basket With Food

Hot shortening and steam may escape and burn you if you place too much food in the basket.



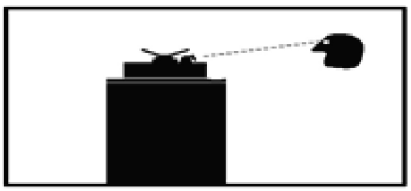
Always Make Sure The Lid Hook Is Latched When Closing The Fryer

To make sure the lid hook is latched properly, press down the lid until the hook snaps shut. Hot shortening and steam can escape if the lid hook is not latched properly. You could be burned.



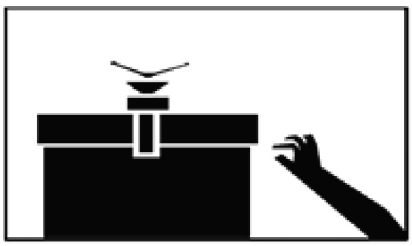
Keep Away From The Vent

Hot steam escapes from the vent continuously when you are using your fryer. You could be burned if you get too close to the vent.



Seal The Safety Valve Properly

To seal the safety valve, lift the arm on the side of the valve. Then release it. The valve should snap closed. Hot steam can escape from the valve and you could be burned if you do not seal the valve properly.

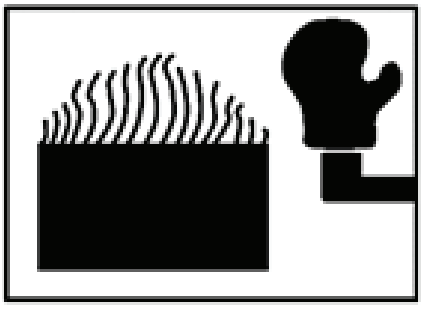


Always Tighten The Spin Handle When Closing The Fryer

Hot shortening and steam can escape if you do not tighten the spin handle properly. You could be burned. Line up the orange knobs on the fryer lid handle and the front hook when tightening.

Do Not Over-Tighten The Spin Handle

You could damage the fryer.



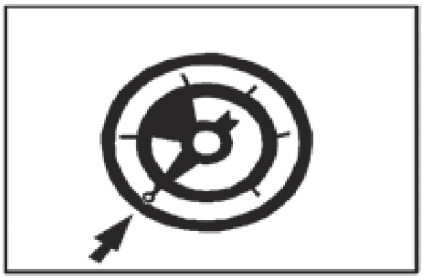
Wear Safe Clothing Appropriate To Your Job

Always wear your insulated mitts when handling the fryer basket or touch any hot metal surfaces. You received a pair of insulated mitts with your fryer. If you lose or damage your mitts, you can buy new ones at your local restaurant equipment supply store or from your local BKI Distributor.

Always wear non-skid shoes when working around the fryer or any other equipment that uses shortening. Never wear loose clothing such as neckties or scarves while operating your fryer. Keep loose hair tied back or in a hair net while operating your fryer.

Always wear appropriate personal protection equipment during the filtering process to guard against possible injury from hot oil.

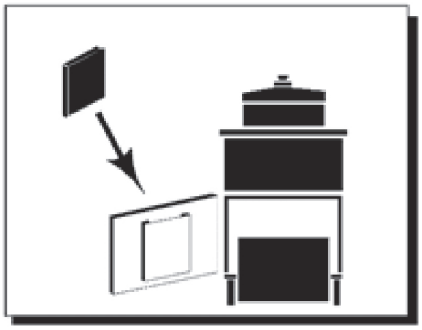
Always wear appropriate personal protection equipment during the boil-out process to guard against possible injury from hot cleaning solution.



Never Loosen The Spin Handle Until The Pressure Gauge Is At Zero

Steam may escape suddenly if you loosen the spin handle before the gauge is at zero. If steam escapes suddenly, you could be burned.

After the pressure gauge is at zero, wait 5 seconds. Then loosen the spin handle slowly to open the lid of the fryer. By doing this, the steam will escape slowly and there is less change of being burned. Always use extreme caution when working around the fryer with the lid open.



Keep this manual with the Equipment

This manual is an important part of your equipment. Always keep it near for easy access.

If you need to replace this manual, contact:

BKI

Technical Services Department

42 Allen Martin Drive

Essex Junction, VT 05452

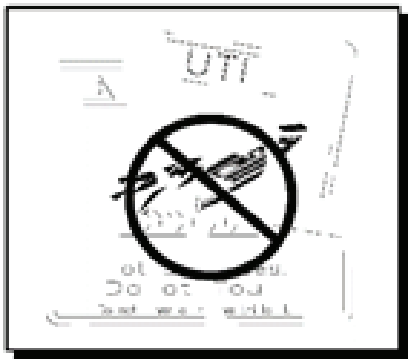
(802) 658-6600



Protect Children

Keep children away from this equipment. Children may not understand that this equipment is dangerous for them and others.

NEVER allow children to play near or operate your equipment.



Keep Safety Labels Clean and in Good Condition

Do not remove or cover any safety labels on your equipment. Keep all safety labels clean and in good condition. Replace any damaged or missing safety labels. Refer to the Safety Labels section for illustration and location of safety labels on this unit.

If you need a new safety label, obtain the number of the specific label illustrated on page 8, then contact:

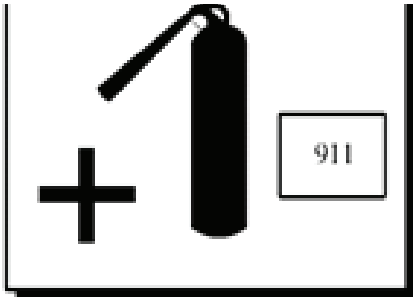
BKI

Technical Services Department

42 Allen Martin Drive

Essex Junction, VT 05452

(802) 658-6600

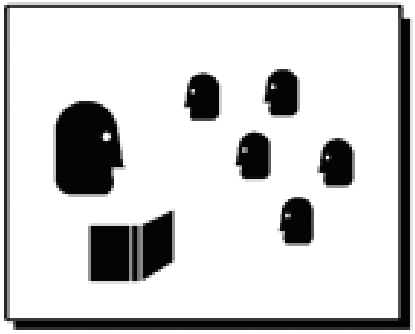


Be Prepared for Emergencies

Be prepared for fires, injuries, or other emergencies.

Keep a first aid kit and a fire extinguisher near the equipment. You must use a 40-pound Type BC fire extinguisher and keep it within 25 feet of your equipment.

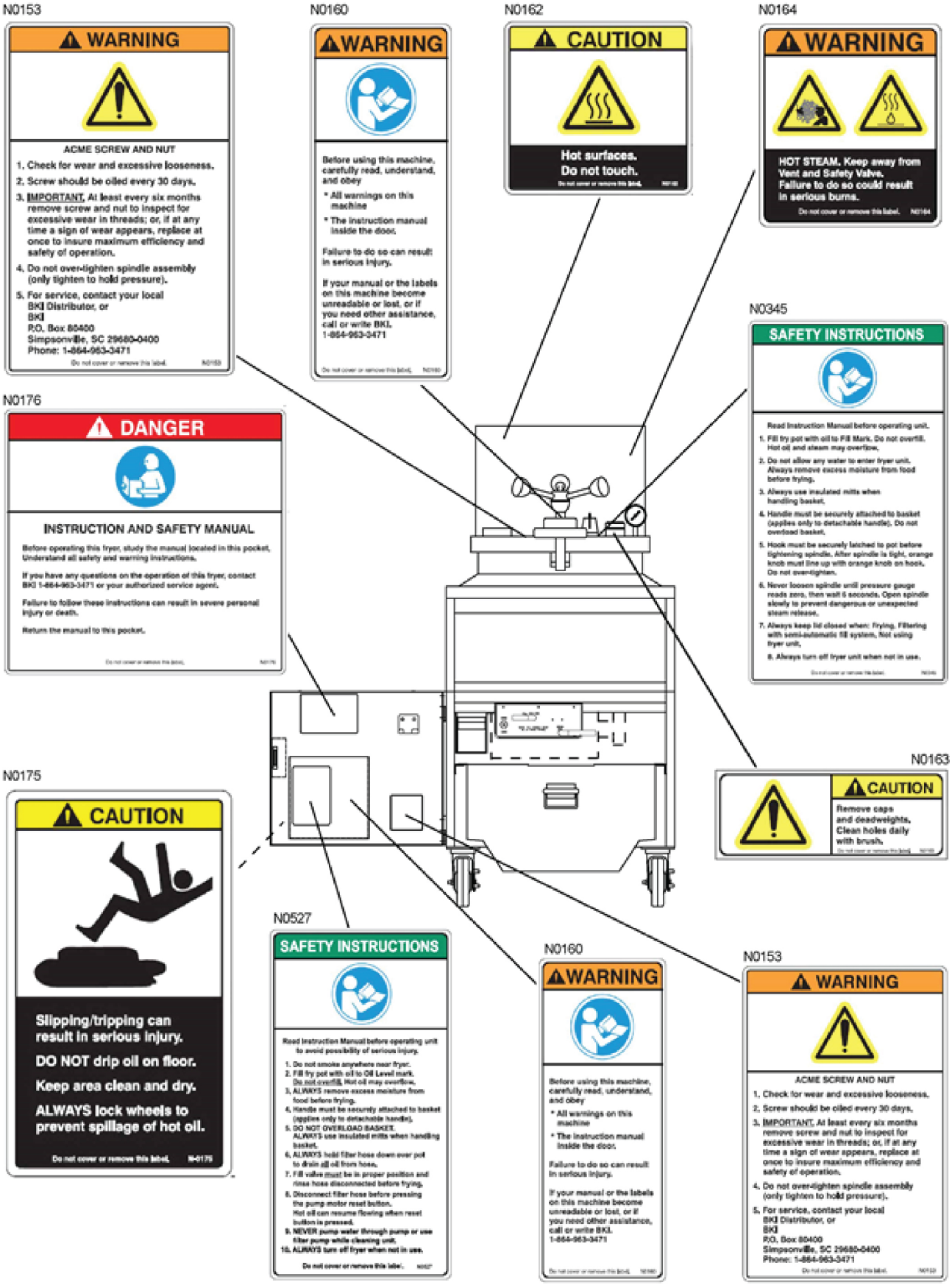
Keep emergency numbers for doctors, ambulance services, hospitals, and the fire department near your telephone.

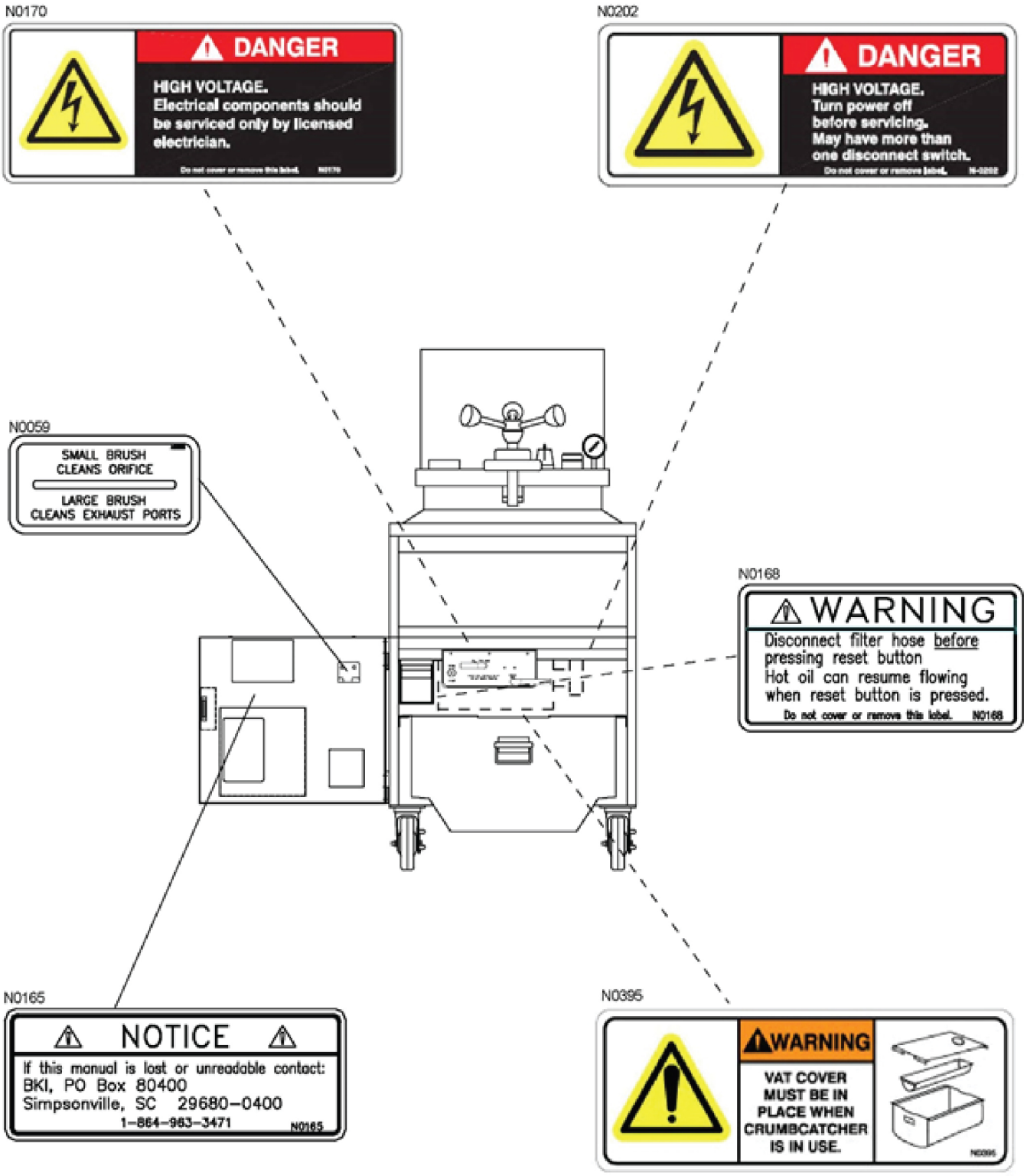


Know your responsibilities as an Employer

- Make certain your employees know how to operate the equipment.
- Make certain your employees are aware of the safety precautions on the equipment and in this manual.
- Make certain that you have thoroughly trained your employees about operating the equipment safely.
- Make certain the equipment is in proper working condition. If you make unauthorized modifications to the equipment, you will reduce the function and safety of the equipment.

Safety Labels




N0170
DANGER
HIGH VOLTAGE.
Electrical components should be serviced only by licensed electrician.
N0202
DANGER
HIGH VOLTAGE.
Turn power off before servicing.
May have more than one disconnect switch.
N0059
SMALL BRUSH
CLEANS ORIFICE
LARGE BRUSH
CLEANS EXHAUST PORTS
N0168
WARNING
Disconnect filter hose before pressing reset button
Hot oil can resume flowing when reset button is pressed.
Do not cover or remove this label. N0168
N0165
NOTICE
If this manual is lost or unreadable contact:
BKI, PO Box 80400
Simpsonville, SC 29680-0400
1-864-963-3471
N0165
N0395
WARNING
VAT COVER MUST BE IN PLACE WHEN CRUMBCATCHER IS IN USE.

INSTALLATION

⚠WARNING Serious injury, equipment damage or death could result if attempting to install this fryer yourself. Ensure that an authorized BKI service agent installs the fryer.

UNPACKING AND HANDLING

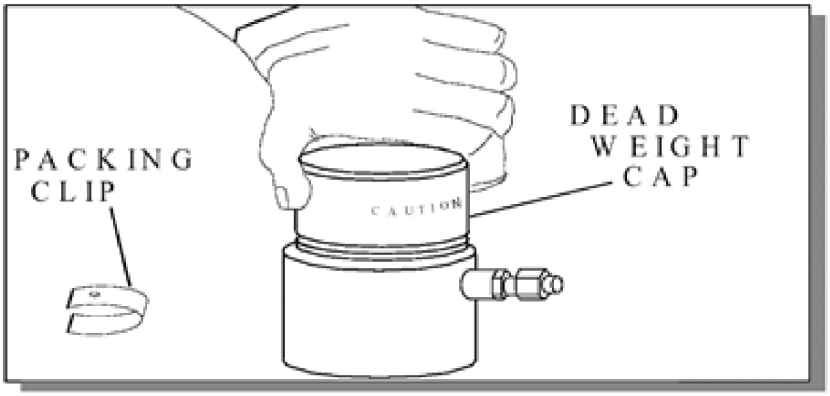
It is the owners' responsibility to file all freight claims with the delivering truck line. Inspect all cartons and crates for damage as soon as they arrive. If damage to cartons or crates is found, or if a shortage is found, note this on the bill of lading (all copies) prior to signing.

If damage is found when the equipment is opened, immediately call the delivering truck line and follow up the call with a written report indicating concealed damage to your shipment. Ask for an immediate inspection of your concealed damage item. Packaging material MUST be retained to show the inspector from the truck line.

INSTALLATION PROCEDURE

⚠WARNING Ensure that an authorized BKI service agent installs the fryer. An authorized BKI service agent should be a qualified gas service technician and a licensed electrician.

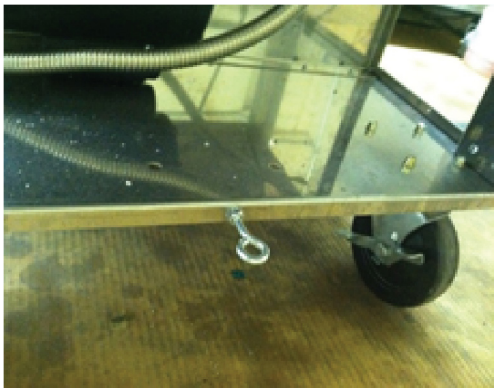
1. Remove the shipping packing materials from the interior and exterior of the fryer.
2. Remove the shipping packing clip from underneath the dead weight cap and discard.



3. Replace the dead weight and cover.

⚠WARNING Risk of electric shock – It is recommended to secure the fryer to the building structure, but it is not mandatory. Follow restraining device instructions for proper installation.

4. To install an ANSI Z83.11/CGA 1.8 compliant restraining device (such as BKI part number FT0279) follow the instructions below:
   - Mount the wall attachment according the restraining device manufacturer instructions.
   - Attach the spring-loaded hook on the restraining device to the eye-bolt mounted to the fryer then attach the other spring-loaded hook to the wall attachment.



5. Lock the casters so the fryer does not move. Every time the fryer is used, make sure the casters are locked so the fryer cannot move.
6. Clean the fryer pot before filling with shortening. See boil out procedure.
7. Place the DRAIN handle in the CLOSED position.

WIRING

⚠WARNING Electrocution, equipment failure or property damage could result if an unlicensed electrician performs the electrical installation. Ensure that a licensed electrician performs the electrical installation in accordance with local codes, or in the absence of local codes, with the National Electrical Code, ANSI NFPA 70-20XX.

This unit, when installed by an authorized BKI service agent, must be wired for use in accordance with all applicable local, state, and federal codes. For specific electrical requirements and connections refer to the wiring diagram attached to the unit or provided in the Service Manual.

INITIAL TEST AND ADJUSTMENT

1. Place the DRAIN handle in the CLOSED position.
2. Fill pot with shortening to above the “MIN OIL LEVEL” mark.

⚠WARNING Risk of fire exists if the oil level drops below the minimum oil level. The level of oil within the pot must not fall below the minimum indicated level.

⚠WARNING Risk of electric shock – Fryer must be secured to building structure. Follow restraining device instructions for proper installation.

⚠CAUTION Overfilling the fryer pot with shortening could lead to serious injury. Ensure that the fryer pot is filled with shortening only to the fill mark when shortening is hot. Do not use any shortening other than what is specified in this manual and do not overfill the fryer pot.

⚠CAUTION The fryer has a maximum temperature setting 375º F/191º C. Do not use oil/shortening with a flashpoint less than 554º F/290º C

NOTICE Use only high-quality shortening that has low moisture content, a high smoke point and no additives.

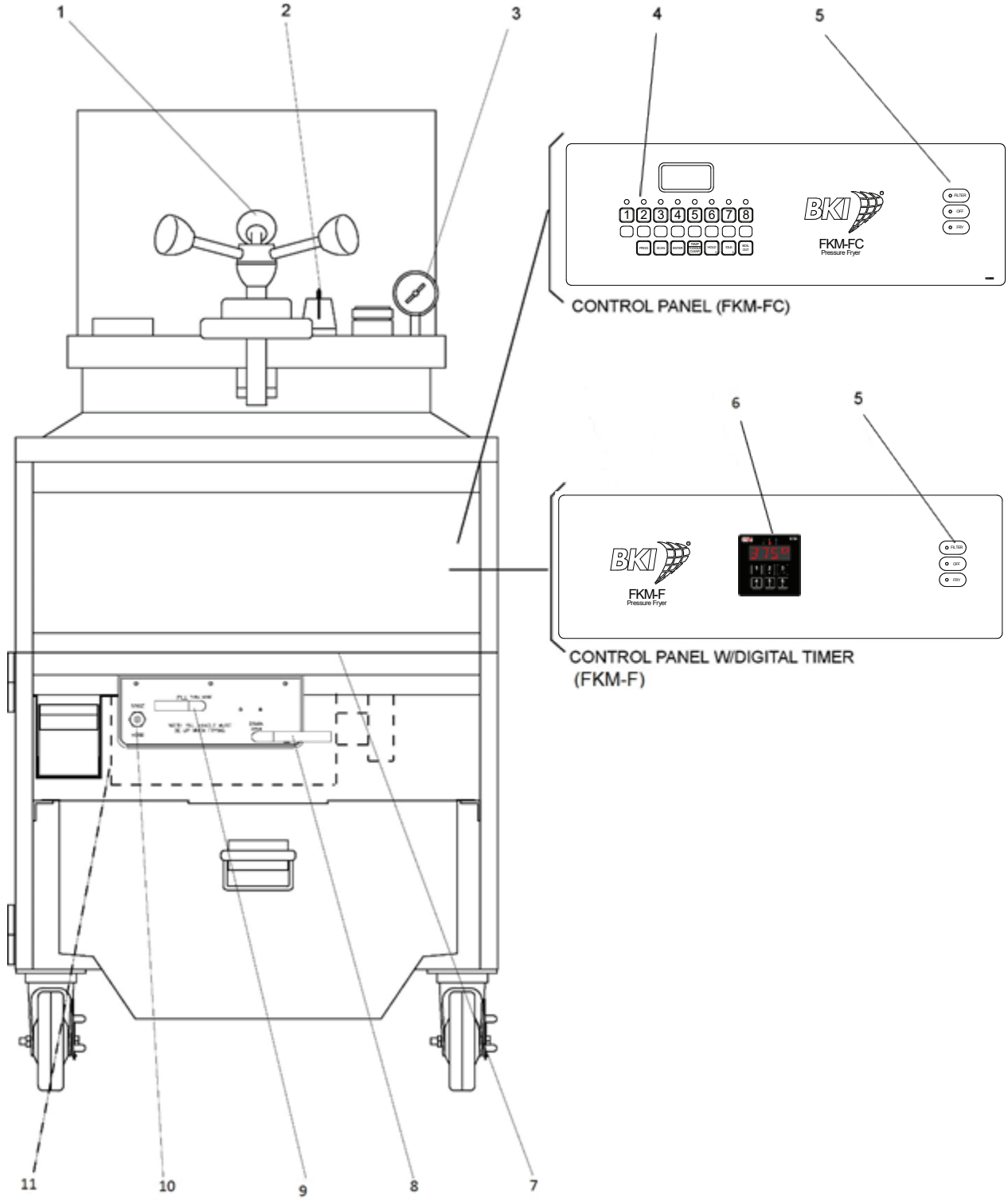


3. On the FILTER/OFF/FRY switch, touch the FRY button. The shortening should begin to heat and begin to reach the fill mark inside the pot. Add more shortening as required to reach the fill mark. Refer to the troubleshooting section if this does not occur.

OPERATION

CONTROLS AND INDICATORS

Refer to the figure and table below for an explanation of the fryer's controls and indicators.



ITEM	DESCRIPTION	FUNCTION
1	Spin Handle	Used to tighten the lid to the pot once it is latched.
2	Pop Safety Valve lever	Used to release pressure periodically to prevent the seat from sticking.
3	Pressure Gauge	Indicates the pressure inside the pot.
4	Computer	Used to program the cooking computer and activate the programs.
5	Capacitive Touch Switch Filter/ Off/Fry	FILTER – When touched, the LED light next to it will light up and power is applied to the motor and shorting is pumped into the pot directly or thru the fill hose. OFF – When touched, the LED light next to it will light up and power is removed from the pump motor, heating elements and lift mechanism. FRY – When touched, the LED light next to it will light up and power is supplied to the thermostat, heating elements and lift mechanism.
6	Digital Timer / Thermostat	The digital timer / thermostat consists of 3 LEDs, display, beeper and 6 buttons described below:
	LED indicators P, C, H	During the MLt & HEAt cycle the P LED will flash. When running a timing cycle the C LED will flash. When idle and rdY the C LED is on. H is not used
	1, 2, 3, 4, 5 & 6 preset buttons	These buttons are used to save and recall preset cycle times, saving operator time and minimizing error when changing interval cycle time. To recall any preset time, press and quickly release the appropriate button and the time starts to count down.
	Beeper	A beeper sounds when the timer counts down to 0. Pressing any of the number button stops the beeper and resets the timer to the rdY state.
	Display	Used to display the time & temperature. It also displays the words “MLt” then “HEAt” until the frying temperature is reached and rdY when the fryer is ready to cook.
7	High Limit Reset Switch	Located under the control panel. If the heating elements inside the pot reach an unsafe temperature, power is automatically removed from the control panel and elements. Pressing this switch returns power to the control panel and elements.
8	Drain Lever	DRAIN OPEN – When placed in this position, the drain valve opens and shortening in the pot drains into the vat. Also power is removed from the control panel and elements. DRAIN CLOSED – When placed in this position, the drain valve is closed to prevent shortening from draining into the pot.
9	Fill Lever	FILL THRU POT – When placed in this position, shortening can be pumped automatically from the vat to the pot if the rocker switch is in the FILTER position. FILL THRU HOSE – When placed in this position, shortening can be pumped from the vat to the pot via a connected hose if the rocker switch is in the FILTER position.
10	Rinse Hose Connector	Used to connect the Rinse hose for cleaning and refilling the pot.

CARE OF SHORTENING

To extend the life of your shortening, for the best possible flavor in your products, and for economy and efficiency of operation, we urge you to follow these recommendations:

1. Use only high-quality frying shortening without additives, of low moisture content and with a high smoke point.
2. Press excess moisture from products before breading. The more moisture released in the shortening, the quicker it will break down.
3. Filter at least once a day or once every three loads during frequent cooking.
4. Clean any residue or crust formations from the sides and bottom of the pot each time you filter the shortening.
5. Add fresh shortening as needed to maintain the proper shortening level TO THE FILL MARK ON THE POT WALL.
6. DO NOT HOLD SHORTENING AT HIGH TEMPERATURE when the fryer is not in use. If you expect an elapsed time of one hour or more between cooking, close the lid and let the fryer go into setback. The idle time and setback temperature can be programmed.
7. Shortening changes are determined by the quantity and type of food prepared. Excessive boiling and foaming are definite signs of shortening breakdown.
8. After you have finished frying for the day, filter the shortening and replace the filter pad. Also, thoroughly clean the pot of sediment and crumbs and empty the condensate pan.

FKM-F OPERATION

System Programming

The controller must be configured with its basic operating parameters before using. These parameters are the operational mode (cooking or frying), the temperature units, and the control hysteresis. You may also display the current temperature and test the output relays in this configuration mode. To access these parameters, press and hold the **[5▼]** button, apply the AC operating power by touching the **FRY** button on the **FILTER/OFF/FRY** switch, and then release the **[5▼]** button.

OPERATING MODE – The controller now displays its basic operating mode as shown in the table below. Use the **[2▼]** and **[5▼]** buttons to change to the desired operating mode. Press the [3SET] button to save and advance to the next parameter which is the temperature units.

LED DISPLAY	OPERATING MODE
OP:CF	Cooking controller with fan output on K2 (default)
OP:CO	Cooking controller with no fan output
OP:FL	Frying controller with Lift output on K2, 1 sec @ end
OP:Fr	Frying controller with no lift output
OP:FP	Frying controller for pressure, K2 on for fry cycle

TEMPERATURE UNITS – The unit can display temperature in either degrees Fahrenheit or Centigrade. Use the **[2▼]** and **[5▼]** buttons to change to the desired temperature units, [3SET] saves and advances to the next parameter which is the temperature control hysteresis.

LED DISPLAY	OPERATING MODE
Un:°F	Temperature in degrees Fahrenheit (default)
Un:°C	Temperature in degrees Centigrade

MELT CYCLE PARAMETERS – The control provides a built in melt cycle for fryers, the configuration items are the heat on time, the heat off time, and the temperature where the controller transitions to standard temperature control. Use the [2▼] and [5▼] buttons to change to the desired values, [3SET] saves and advances to each item and then finally to the temperature control hysteresis.

LED DISPLAY	PARAMETER	SETTING
On:08	Heat On Time	Set between 1 and 60 sec (default = 8 sec)
OF:15	Heat Off Time	Set between 1 and 60 sec (default = 15 sec)
225°	Transition Temp	Set between 150° and 275° (default = 225°)

CONTROL HYSTERESIS – This value is the number of degrees Fahrenheit above and below the setpoint at which the temperature control relay switches. The output relay will be on until the current temperature reaches the current setpoint plus the control hysteresis value, and the relay will be off until the temperature drops down to the setpoint minus the control hysteresis value. This value can be set anywhere from 3°F to 20°F and is set to the default value of 5°F during the factory testing. Use the **[2▼]** and **[5▼]** buttons to change to the desired value, **[3SET]** advances to the next parameter which is the temperature control hysteresis.

LED DISPLAY	HYSTERES VALUE
Hy:XX	XX = the value in °F from 03 – 20 (default = 5)

TEMPERATURE DISPLAY, TEMPERATURE ADJUSTMENT & RELAY CHECK – Once you press the [3SET] button again the unit displays the current temperature. The following features are available in this mode:

TEMPERATURE OFFSET: The control can apply small temperature adjustments to compensate for probe location within the equipment. Press and release the **[2▼]** button to add 1°F, press and release it again to add another 1°F. Press and release the **[5▼]** button to subtract 1°F, press and release it more to subtract more. The control limits the adjustment to ±10°F.

RELAY CHECK: Pressing and releasing the **[4◄]** button turns relay K1 (heating relay) on. Press and release the **[4◄]** button again to turn it off. Pressing and releasing the **[6►]** button turns relay K2 (Pressure solenoid/lift relay) on. Press and release the **[6►]** button again to turn it off.

This mode can be very useful for testing a new piece of equipment by turning the heaters on and watching the temperature rise (and/or current draw) to confirm proper heating operation and then using the fan relay to cool the system down. Press and release the **[3SET]** button and the configuration wraps around back to the Operating Mode display.

Once the configuration is complete turn the controller off and then back on again to begin using the controller in its configured mode.

Product Programming

The product programs must be set before cooking can begin.

To enter editing mode press and hold the **[3SET]** button for two seconds until the controller emits a double chirp, then the controller first displays the frying temperature.

To change the temperature, use the **[2▼]** button to increase the highlighted digit value, to decrease that digit press the **[5▼]** button. To move the highlight to the other digits, use the **[4◄]** and **[6►]** buttons accordingly. Once the temperature is set properly press the **[3SET]** button to save it and advance to the time cycle editing.

Once the **[3SET]** button is pressed and released the controller displays Edit. To view or edit the time associated with any of the six buttons simply press and release that button and the time is displayed. The time value is adjusted in the same manner as the oil temperature: use the **[2▼]** button to increase the highlighted digit value, to decrease that digit press the **[5▼]** button. To move the highlight to the other digits, use the **[4◄]** and **[6►]** buttons accordingly. Once the time value is set press the **[3SET]** button and the display returns to displaying Edit. Once the values are all set properly press and hold the **[3SET]** button for 2 seconds until the controller chirps twice and release the button, the controller is now back to ready mode displaying rdY.

Start-Up (FKM-F)

1. Make sure the main drain valve is closed.



⚠WARNING Risk of fire exists if the oil level drops below the minimum oil level. The level of oil within the pot must not fall below 5mm of the maximum oil level.

⚠WARNING Use of oil/shortening older than the manufacturers recommendations for life of the oil is prone to surge boiling and flash fires. Follow the oil manufacturers guidelines for lifecycle of oil/ shortening.

⚠CAUTION Overfilling the fryer pot with shortening could lead to serious injury. Ensure that the fryer pot is filled with shortening only to the fill mark when shortening is hot. Do not use any shortening other than what is specified in this manual and do not overfill the fryer pot.

⚠CAUTION The fryer has a maximum temperature setting of 375º F/191º C. Do not use oil/shortening with a flashpoint less than 554º F (290º C)

NOTICE Use only high-quality shortening that has low moisture content, a high smoke point and no additives.

2. Fill pot with shortening to above the “MIN OIL LEVEL” mark.



3. Once the fryer is filled with shortening, on the FILTER/OFF/FRY switch, touch the FRY button.

   If the oil temperature is above the preset transition temperature the controller proceeds to the Heat Up Cycle, otherwise it will go into the Melt Cycle.

   MELT CYCLE: During a melt cycle the LED display cycles between MLt and the current oil temperature, i.e.: 175°. Once the temperature reaches the preset transition temperature the controller then starts the heat up cycle which brings the oil temperature up to its preset temperature.

   HEAT UP CYCLE: During this cycle the controller LED display cycles between HEAt and the current oil temperature, i.e.: 243°. The temperature control is now controlling the heat output to get to the preset frying temperature. Once the oil temperature is above 5°F below preset frying temperature the controller beeps for 5 seconds and the LED displays HEAt and donE and chirps every 5 seconds to tell the operators that the fryer is ready to use. Press any button and the controller is ready to start frying and displays rdY.

   IMPORTANT! Before the first cooking operation each day, stir the shortening freely while it is heating to provide a balanced shortening temperature for excellent results with the first cooking. Failure to do this can result in a crusty skin on the product surface with an undercooked product internally. In addition, in some cases, failure to stir the shortening while it is initially heating may cause the HI-LIMIT safety device to disable the power due to a false over temperature condition.
4. The shortening will heat and begin to reach the fill mark inside the pot. Add more shortening as required to reach the fill mark.

Cooking (FKM-F)

⚠WARNING Do not open the drain valve or the fill valve while the fryer is under pressure. Serious burns may result.

1. Ensure that the Start-Up procedures have been performed.
2. When frying chicken, lower the basket into the shortening in the fryer pot.

⚠WARNING Hot shortening may splash out of the pot causing severe injury when dropping chicken into pot. Carefully drop pieces of chicken into pot to prevent shortening splashes.

3. Carefully drop the chicken in the shortening one piece at a time starting with thighs and breasts. The fryer is designed to accommodate 48-50 pieces of chicken.

⚠DANGER Failure to use the insulated mitts will result in severe injury. Always use the insulated mitts when handling the hot fry basket.

4. Lift the basket and shake it. This keeps the food from sticking together and causing white spots on the cooked food.

⚠WARNING Hot shortening may splash out of the pot causing severe injury when lowering basket into pot. Carefully lower basket into pot to prevent shortening splashes.

5. Slowly lower the fryer basket into fryer pot.
6. Close the lid. Make sure the lid snaps shut. Make sure the lid hook latches securely under the catch.

7. Tighten the spin handle until the lid is firmly sealed. Then line up the orange knob on the spin handle with the orange knob at the front of the fryer.



8. Activate the timer by pressing the Number Button (1-6) button on the digital timer. The timer will begin the count down.

   NOTE - To stop the cooking cycle at any time press and hold the [3SET] button for two seconds until you hear a double chirp.

9. When the frying cycle time counts down to 0 the controller displays done and beeps for 5 seconds. At any time the operator can touch any key to return to the ready state.

10. When the pointer on the pressure gauge is at zero, wait 5 seconds then slowly turn the spin handle counterclockwise to break the seal around the lid. The fryer has a locking pin that prevents turning the spin handle until the pressure drops to zero. Do not force the spin handle to open the lid.

11. Slowly open the lid.

⚠ DANGER Failure to use the insulated mitts will result in injury. Always use the insulated mitts when handling the hot fry basket.

12. Lift the basket and hang it on the front of the fryer pot to drain.

13. Empty the basket.

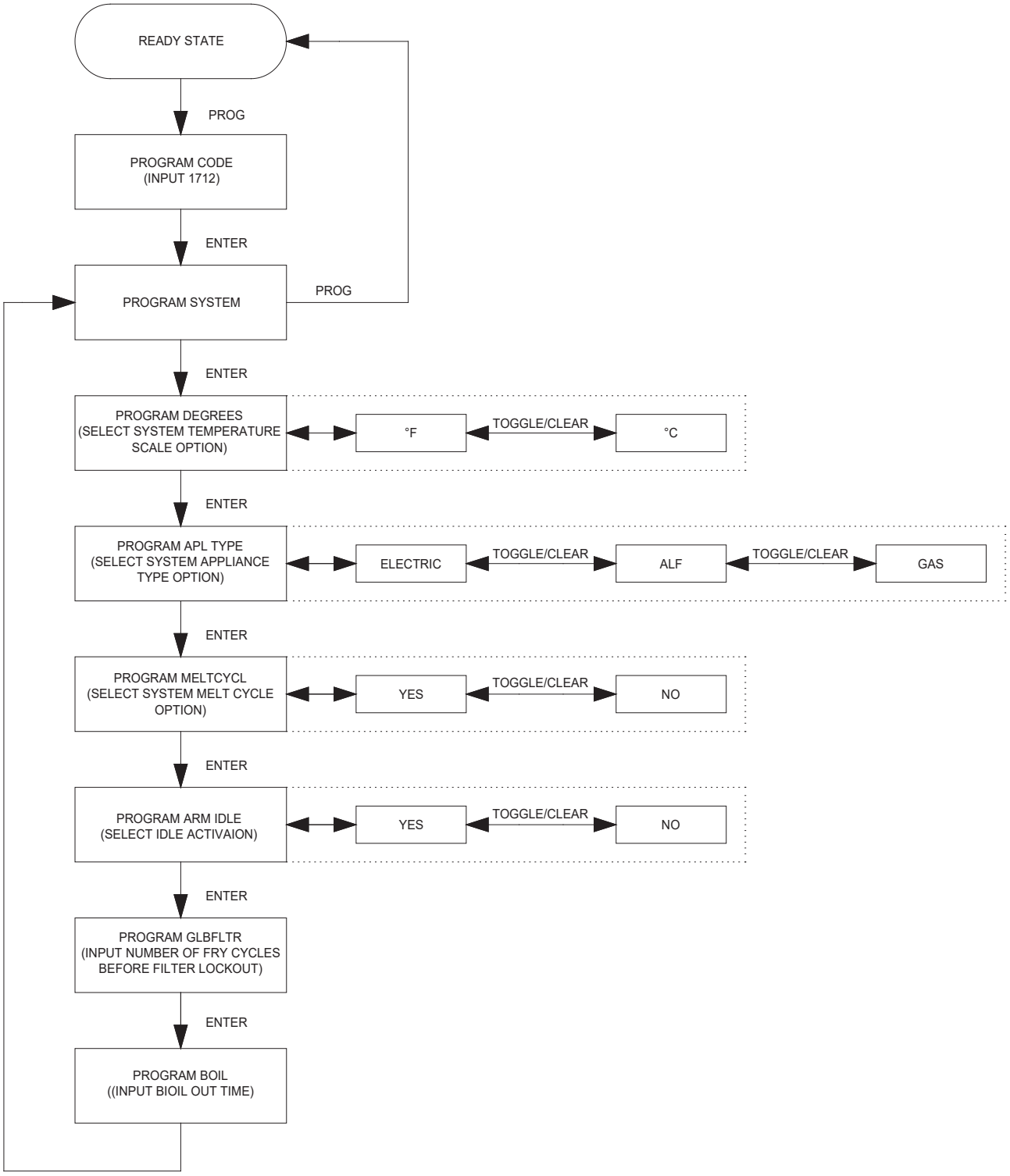
14. Remember to filter the shortening at least every third frying cycle load. Refer to the procedure in this manual. Also filter the shortening and clean the fryer at the end of each day. If you do not plan to use the fryer for an hour or more, turn the thermostat down to 150 and close the lid.

15. When you have finished frying for the day, on the **FILTER/OFF/FRY** switch, touch the OFF button.

FKM-FC OPERATION

System Programming

Use the following figure and table to set options that apply to each product programs



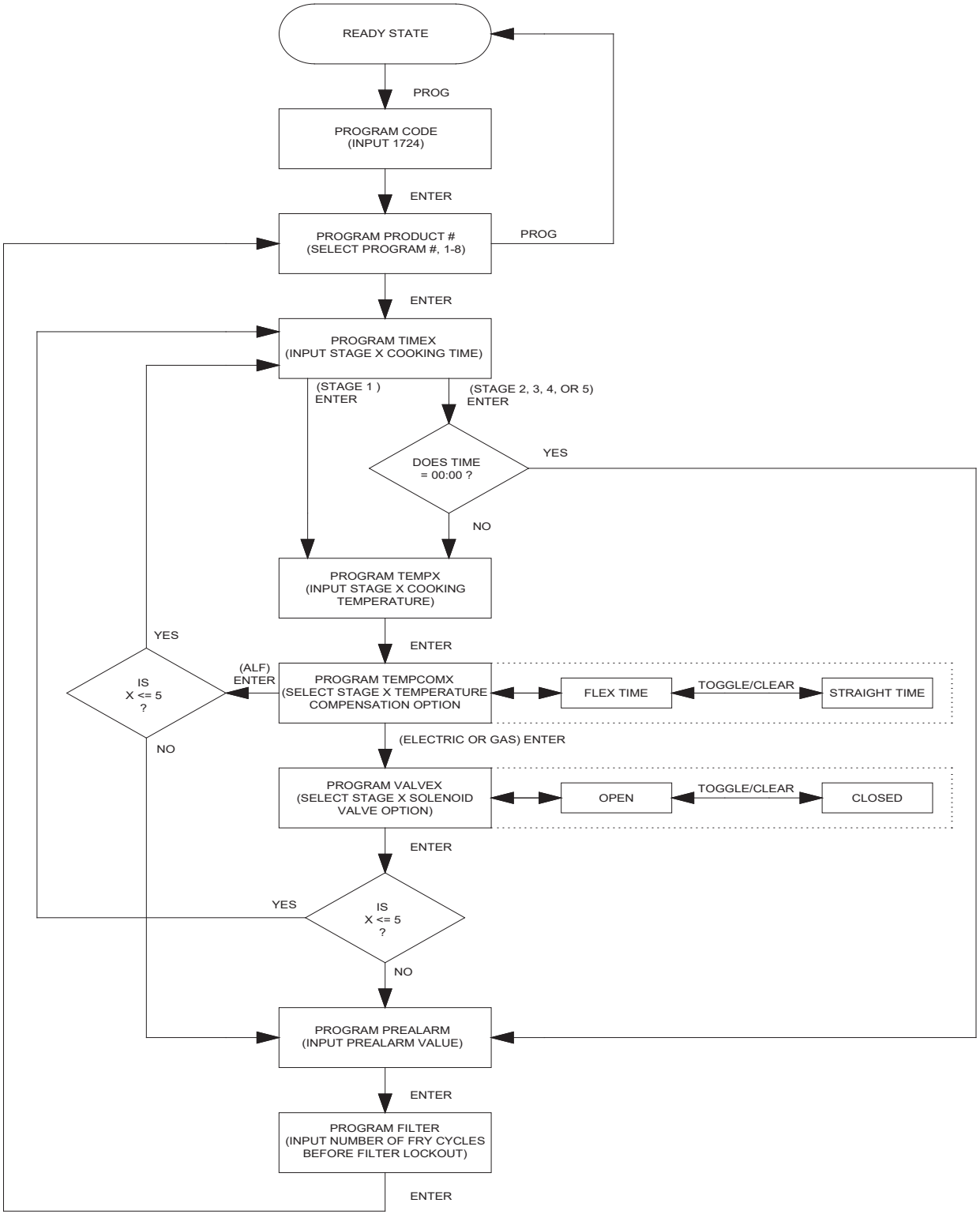
System Programming Procedure

ITEM	ACTION	DISPLAY	COMMENTS
1	On the **FILTER/OFF/FRY** switch, touch to **FRY**.	Is Fry Pot Full? YES Press Enter	
2	Press ENTER	IDLE HEAT SET 275°F	
3	Press PROG on the keypad.	PROGRAM CODE	
4	Input 1712 and ENTER.	PROGRAM SYSTEM	
5	Press ENTER.	PROGRAM DEGREES °F	This command allows you to choose the temperature scale option you want to use. The display will show either show °F or °C.
6	Press TOGGLE/CLEAR until the desired option is displayed.	PROGRAM DEGREES X	X refers to the temperature scale you have chosen.
7	Press ENTER.	PROGRAM APL TYPE ELECTRIC	This command allows you to choose the appliance type you are using. The display may show ELECTRIC, GAS OR ALF.
8	Press TOGGLE/CLEAR until the desired option is displayed.	PROGRAM APL TYPE X	X refers to the appliance type you have chosen.
9	Press ENTER.	PROGRAM MELTCYCL YES	This command allows you to set the melt cycle option. This is normally set to yes if you are using solid shortening. The display will show either YES or NO.
10	Press TOGGLE/CLEAR until the desired option is displayed.	PROGRAM MELTCYCL X	X refers to the melt cycle option chosen.
11	Press ENTER.	PROGRAM ARM IDLE YES	This command allows you to set the idle activation option. The display will show either YES or NO.
12	Press TOGGLE/CLEAR until the desired option is displayed.	PROGRAM ARM IDLE X	X refers to the arm idle option chosen.
13	Press ENTER.	PROGRAM GLBLFLTR 0	This command allows you to specify the total number of fry cycles to complete among all product programs before a message is displayed reminding you to filter the shortening (filter lockout).
14	Press TOGGLE/CLEAR and input the number of fry cycles you want to complete among all product programs before enabling filter lockout.	PROGRAM GLBLFLTR X	X refers to the number of program cycles you want to complete among all product programs before filtering the shortening.

ITEM	ACTION	DISPLAY	COMMENTS
15	Press ENTER.	PROGRAM BOIL 20:00	This command allows you to specify the boil out time. The time displayed may be a previously programmed value.
16	Press TOGGLE/CLEAR and input the number of minutes you want to clean.	PROGRAM BOIL XX:XX	XX:XX refers to the number of minutes you input.
17	Press ENTER.	PROGRAM SYSTEM	
18	Press PROG to exit the programming mode.	LOW	

Product Programming

Use the following figure and table to set a maximum of eight product programs. The product programs must be set before cooking can begin.



Product Programming Procedure

ITEM	ACTION	DISPLAY	COMMENTS
1	On the **FILTER/OFF/FRY** switch, touch to **FRY**.	LOW	
2	Press PROG on the keypad.	PROGRAM CODE	
3	Input 1724 and press ENTER.	PROGRAM PRODUCT #	
4	Select the program product number (1-8).	PROGRAM PRODUCT X	X refers to the program number you selected.
5	Press ENTER.	PROGRAM TIME1 00:00	This command allows you to specify the cooking time for this stage. The time displayed may be a previously programmed value.
6	Press TOGGLE/CLEAR and input the number of minutes you want to cook.	PROGRAM TIME1 XX:XX	XX:XX refers to the number of minutes you input.
7	Press ENTER.	PROGRAM TEMP1 000 °F	This command allows you to specify the cooking temperature for this stage. The temperature displayed may be a previously programmed temperature. The temperature scale may also display °C depending on the system option that is set.
8	Press TOGGLE/CLEAR and input the cooking temperature for product to be cooked.	PROGRAM TEMP1 XXX °F	XXX refers to the cooking temperature you input.
9	Press ENTER.	PROGRAM TEMPCOM1 FLEX TIME	This command enables you to select whether or not time is allowed for the fryer to recover from temperature loss while cooking during this stage. The FLEX TIME option will allow the fryer to recover from temperature loss.
10	Press TOGGLE/CLEAR until the desired option is displayed.	PROGRAM TEMPCOM1 X	X refers to the temperature compensation option selected.
11	Press ENTER.	PROGRAM VALVE1 CLOSED	This command allows you to specify whether the solenoid valve will be open or closed during this stage.
12	Press TOGGLE/CLEAR until the desired option is displayed.	PROGRAM VALVE1 X	X refers to the solenoid valve option selected. OPEN is used for Models ALF and BLF Automatic Lift fryers. If your program requires the solenoid valve to be closed while cooking, choose the CLOSED option.

ITEM	ACTION	DISPLAY	COMMENTS
13	Repeat steps 5-12 when programming stages 2, 3, 4 and 5 for Electric and Gas appliance types. Repeat steps 5-10 when programming stages 2, 3, 4 and 5 for an ALF appliance type.		The time and temperature of each stage has to be less than the preceding stage.
14	Press ENTER.	PROGRAM PREALARM 00:00	This command allows you to specify the number of minutes before the end of the cooking time (for each stage) until the alarm sound The prealarm value displayed may be a previously programmed value.
15	Press TOGGLE/CLEAR and input the prealarm minutes.	PROGRAM PREALARM XX:XX	XX:XX refers to the prealarm minutes you input.
16	Press ENTER.	PROGRAM FILTER 0	This command allows you to specify the number of fry cycles you want to complete for this program before a message is displayed reminding you to filter the shortening (filter lockout). The filter value displayed may be a previously programmed value.
17	Press TOGGLE/CLEAR and input the number of fry cycles you want to complete before enabling filter lockout.	PROGRAM FILTER X	X refers to the number of program cycles you want to complete before filtering the shortening.
18	Press ENTER.	PROGRAM PRODUCT #	
19	If you wish to input more programs, proceed by pressing the next program number and follow steps 5 through 18 or press PROG to exit the programming mode.		

Start-Up (FKM-FC)

1. Make sure the main drain valve is closed.



⚠WARNING Risk of fire exists if the oil level drops below the minimum oil level. The level of oil within the pot must not fall below 5mm of the maximum oil level.

⚠WARNING Use of oil/shortening older than the manufacturers recommendations for life of the oil is prone to surge boiling and flash fires. Follow the oil manufacturers guidelines for lifecycle of oil/ shortening.

⚠CAUTION Overfilling the fryer pot with shortening could lead to serious injury. Ensure that the fryer pot is filled with shortening only to the fill mark when shortening is hot. Do not use any shortening other than what is specified in this manual and do not overfill the fryer pot.

⚠CAUTION The fryer has a maximum temperature setting of 375º F/191º C. Do not use oil/shortening with a flashpoint less than 554º F (290º C)

NOTICE Use only high-quality shortening that has low moisture content, a high smoke point and no additives.

2. Fill pot with shortening to above the “MIN OIL LEVEL” mark.



3. On the **FILTER/OFF/FRY** switch, press the **FRY** button. The question “Is the Fry Pot filled – If yes press ENTER” will appear on the computer display. The computer will display IDLE and will heat to 275°F. Press one of the recipe buttons to preheat the oil to the setpoint temperature. The shortening will heat and begin to reach the fill mark inside the pot.
4. Stir the oil freely while it is heating. Press the 0 button when up to temperature to put in IDLE mode.

   IMPORTANT! Before the first cooking operation each day, stir the shortening freely while it is heating to provide a balanced shortening temperature for excellent results with the first cooking. Failure to do this can result in a crusty skin on the product surface with an undercooked product internally. In addition, in some cases, failure to stir the shortening while it is initially heating may cause the HI-LIMIT safety device to disable the power due to a false overtemperature condition.

Cooking (FKM-FC)

⚠WARNING Do not open the drain valve or the fill valve while the fryer is under pressure. Serious burns may result.

1. Ensure that the Start-Up procedures have been performed.
2. Press the desired program number on the keypad. The computer will still display “**LOW**”. The fryer will begin to heat to the temperature that has been factory preset. When “**READY**” appears on the display, the fryer is up to the desired temperature and the product can be loaded.
3. When frying chicken, lower the basket into the shortening in the fryer pot.

⚠WARNING Hot shortening may splash out of the pot causing severe injury when dropping chicken into pot. Carefully drop pieces of chicken into pot to prevent shortening splashes.

4. Carefully drop the chicken in the shortening one piece at a time starting with thighs and breasts. The fryer is designed to accommodate 48-50 pieces of chicken.

⚠ DANGER Failure to use the insulated mitts will result in severe injury. Always use the insulated mitts when handling the hot fry basket.

5. Lift the basket and shake it. This keeps the food from sticking together and causing white spots on the cooked food.

⚠WARNING Hot shortening may splash out of the pot causing severe injury when lowering basket into pot. Carefully lower basket into pot to prevent shortening splashes.

6. Slowly lower the fryer basket into fryer pot.
7. Close the lid. Make sure the lid snaps shut. Make sure the lid hook latches securely under the catch.
8. Tighten the spin handle until the lid is firmly sealed. Then line up the orange knob on the spin handle with the orange knob at the front of the fryer.



9. Press the desired program number a second time. The red light above the program number will flash and the computer will display “COOK”. This will start a countdown in minutes and seconds until the end of the cycle.
10. At the end of the cooking cycle, the computer will display “DONE” and signal with a series of audible “beeps”. Press the selected number once again to stop the cook cycle. Fifteen seconds before the end of the cook cycle, the program will automatically release the pressure from the fryer. For your safety, the lid will not unlock, even at the end of the cook cycle, until the pressure has been fully released.

⚠WARNING Hot steam will escape when you open the lid possibly causing severe injury. Keep your face and arms away from the fry pot.

11. Slowly turn the spin handle counterclockwise to break the seal around the lid. Your fryer has a locking pin that prevents turning the spin handle until the pressure drops to “0”.
12. Slowly open the lid.

⚠DANGER Failure to use the insulated mitts will result in injury. Always use the insulated mitts when handling the hot fry basket.

13. Lift the basket and hang it on the front of the fryer pot to drain.
14. Empty the basket.
15. Remember to filter the shortening at least every third frying cycle load. Refer to the procedure in this manual. Also filter the shortening and clean the fryer at the end of each day.
16. Close the lid and press the 0 button. **Idle 275°F** will display. This will automatically hold the shortening at a cooler temperature.
17. To escape the idle mode, press the 0 button again and the fryer will heat to its original temperature.
18. When you have finished frying for the day, on the **FILTER/OFF/FRY** switch, touch the **OFF** button.

MAINTENANCE

⚠CAUTION

Failure to comply with the maintenance below could result in a serious accident.

Do not over-tighten the spindle assembly. (Only tighten to hold pressure.)

Your fryer will need periodic maintenance and servicing. We strongly suggest that you use only a service company that is authorized by BKI to do this work.

The FKM appliance is not intended to be cleaned with a water jet.

The restraining device must always be connected when the appliance is in service. Disconnect for movement, such as servicing or cleaning. Reconnect the restraint when fryer has been returned to its normal position.

SCHEDULED MAINTENANCE

Use the following table to help manage scheduled maintenance activities.

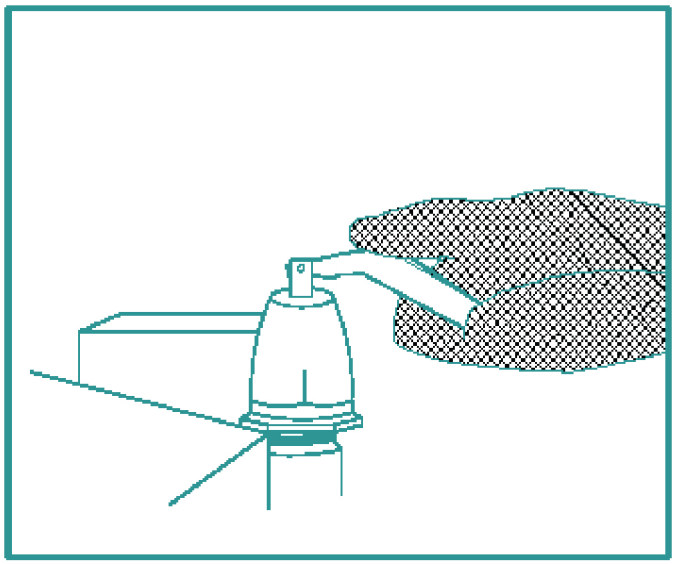
FREQUENCY	PERFORMED BY	PART	ACTIVITY
Each Fry Cycle	User	Pressure Gauge	Check for proper display of cooking vat pressure. Contact authorized BKI service agent if adjustment or replacement is required.
	User	Lid Gasket	Check for unusual wear such as cracks and deformation, and pressure leaks. Contact authorized BKI service agent if adjustment or replacement is required.
Daily	User	Dead Weight Assembly	Clean weight and orifices daily and check for wear.
	User	Filter Pad	Replace filter pad. Refer to the procedure in this manual.
	User	Condensation Pan	Remove and drain.
	User	Filter system	Filter the shortening using the procedure in this manual.
Weekly	User	Safety Pop Valve	Check for release of pressure and proper seal. Refer to the procedure in this manual.
	User	Fryer Pot	Perform the boil-out procedure in this manual.
Every 6 Months	Authorized BKI service agent	Acme Screw and Nut	Check for wear on the threads.
	Authorized BKI service agent	Solenoid Valve	Check that the valve is holding and releasing pressure when the timer or computer activates it.
	Authorized BKI service agent	Hook, Catch, Spring	Check for wear and ease of operation.
	Authorized BKI service agent	Connections, Fittings	Check for leakage while oil is pumping.
	Authorized BKI service agent	Fryer Pot Fittings/ Connections	Check for leakage around fry pot top deck and fittings (heaters, hi-limit, thermostats, etc.).

SAFETY POP VALVE PROCEDURE

The safety pop valve should be blown under pressure periodically to prevent the seat from sticking.

⚠ DANGER Failure to use the insulated mitts will result in injury. Always use the insulated mitts when handling the arm on the safety valve.

1. After the pressure is up during a cooking cycle, use the insulated glove to lift the arm on the edge of the safety valve and let some steam escape. This will clean the valve.



2. Release the lever on the valve, and let it slam shut to seal the valve.

FILTERING PROCEDURE

Breaded foods require frequent filtering. An excess amount of breading left in the fryer pot will reduce the life of the shortening. We recommend the shortening be filtered after every three frying cycle loads. When the shortening starts to show signs of foaming and has a bad taste, do not use it. The fryer pot should be cleaned before refilling with new shortening. Best results for filtering are obtained while the shortening is hot. You should filter at the end of every business day. You should also remove and drain the condensation pan daily.

⚠WARNING Always wear appropriate personal protection equipment during the filtering process to guard against possible injury from hot oil.

⚠WARNING Do not open the drain valve or the fill valve while the fryer is under pressure. Serious burns may result.

1. On the FILTER/OFF/FRY switch, touch the OFF button.
2. Remove the fryer basket.
3. Make certain that the filter pad is clean and not torn. IMPORTANT: Make certain the vat cover is properly positioned underneath the drain valve. Also make certain the filter vat and filter screen is under the main drain valve before starting the filtering process.
4. Move the DRAIN handle slowly to the OPEN position so that the shortening starts to flow evenly. This is to prevent excessive splashing of hot shortening.
5. When the pot is empty, place the DRAIN handle in the CLOSED position.

To refill the pot automatically, use the steps below:

⚠WARNING Hot shortening may splash out of the pot causing severe injury when filling the pot if the lid is not closed. To prevent shortening splashes, close the lid before filling.

- Close the lid to prevent shortening splashes.
- Place the FILL handle to the THRU POT position.
- On the **FILTER/OFF/FRY** switch, touch the **FILTER** button and shortening will automatically pump into the pot.
- After 1 minute carefully open the lid to check the level of the shortening.
- Let the filter continue to pump the shortening until the fill mark in the fryer pot is reached or until air starts bubbling through the shortening.
- As soon as air is seen in the shortening, first place the FILL handle to the THRU HOSE position then on the **FILTER/OFF/FRY** switch, touch the **OFF** button to prevent shortening degradation and prevent the filter pump and lines from filling up with shortening.
- Add new shortening if the fill mark has not been reached.

To refill the pot through the rinse hose, use the steps below:

- Make certain that the rinse hose is connected to rinse hose connector.
- Holding the hose by the handle, place hose nozzle inside the pot.

⚠WARNING Hot shortening may splash out of the pot causing severe injury when filling the pot if the lid is not held down over the hose nozzle. To prevent shortening splashes, hold the lid down over the hose nozzle.

- Hold the lid down over the hose nozzle to prevent shortening splashes.
- Position the FILL lever in the THRU HOSE position.
- On the **FILTER/OFF/FRY** switch, touch the **FILTER** button and shortening will automatically pump into the pot.
- After 1 minute, hold the hose by the handle and carefully raise the lid to check the level of the shortening.
- Let the filter continue to pump the shortening until the fill mark in the fryer pot is reached or until air starts bubbling through the shortening.
- As soon as air is seen in the shortening, on the **FILTER/OFF/FRY** switch, touch the **OFF** button to prevent shortening degradation.
- Add new shortening if the fill mark has not been reached.

Filter Pump Reset:

If the filter pump overheats the lights next to **FILTER** and **OFF** buttons will alternate back and forth indicating the pump has tripped.

Once the pump has cooled the light next to the **FILTER** button will flash indicating the pump is ready to be reset.

Touch the **FILTER** button to restart the pump.

BOIL-OUT PROCEDURE

Boil-outs remove microscopic particles of carbon that build up on the walls of the fryer pot. To avoid eventual carbon build-up, off flavors, and shortening breakdown, boil-outs should be done once a week on each fryer following these procedures.

⚠WARNING Always wear appropriate personal protection equipment during the boil-out process to guard against possible injury from hot cleaning solution.

1. On the **FILTER/OFF/FRY** switch, touch the **OFF** button.
2. Drain the clean shortening into an adequate storage container. **(Allow the shortening to cool to room temperature before attempting storage.)**
3. CLOSE the drain and fill the fryer pot with **HOT** water to the shortening level fill mark. Do not overfill by allowing the water level higher than the fill mark.
4. Add cleaner. BKI recommends BKI Cleaner (P/N LC0006) or equivalent.
5. Wash down the inside of the pot and lid with the pot brush to loosen the sediment.
6. Set the temperature of the solution and heat it up as follows:
   - FKM-F – On the **FILTER/OFF/FRY** switch, touch the **FRY** button. Press and hold the **[4◄]** button for two seconds until the double chirp and the controller enters the boil out mode. The temperature control is set to hold the water at 190°F, and the controller displays **boil** and the elapsed time in minutes and seconds. Pressing and releasing the **[5▼]** button resets the elapsed time to 0:00. You can also view the current water temperature by pressing and holding the **[1]** and **[6]** buttons. To exit boil out mode press and hold the **[4◄]** button for two seconds until the double chirp and the controller returns to normal operation. Bring the cleaning solution to set temperature for at least 5 minutes.
   - **FKM-FC** – – On the **FILTER/OFF/FRY** switch, touch the **FRY** button. Press ENTER and then BOIL OUT. The display will read BOIL NOW? Use TOGGLE/CLEAR button to select YES or NO and press ENTER. The control will say CLEAN and flash HEAT and the fryer pot will heat to a temperature of 195º F. Once it reaches temperature it will beep 3 times, indicating the pot should be scrubbed with the bushes, and the temperature will go to 190°F. The display will change to CLEAN to allow the CLEAN function to be performed and count down the time set in the system settings. At the end of the countdown the display will say CLEAN COMPLETE TURN OFF and will beep until the fryer is turned off.
7. On the F**ILTER/OFF/FRY** switch, touch the **OFF** button.
8. Scrub the inside of the fryer pot and inside of the lid again.
9. **Before draining the cleaning solution**, remove the filter bag, screen and pipe connections from the filter vat. This must be done before draining the cleaning solution. **NEVER** pump water or detergent through the filter system.
10. After 15 minutes, slowly open the drain valve. Drain the solution into the filter vat and discard.
11. Rinse the pot with hot water, using the pot brush to remove remaining sediment, drain and discard.
12. Close the drain and refill the fryer pot with hot water to the proper level.

13. Add approximately 4 to 6 ounces of distilled (white) vinegar to develop a neutralizing solution. Stir the solution briefly. Leave in the pot for three to five minutes and discard.

    NOTE: Foaming of shortening after boil-outs is caused by failure to follow proper neutralizing procedures.

14. Repeat steps 12 through 14 as needed to remove all traces of cleaning solution.

15. Rinse the pot again with Cool water, drain and discard.

⚠CAUTION Damage to the fryer could result if the fryer pot is not completely dry before filling with shortening. Refill the fryer pot with shortening ONLY when it is completely dry.

16. Dry the fryer pot, lid, and filter vat **COMPLETELY**.

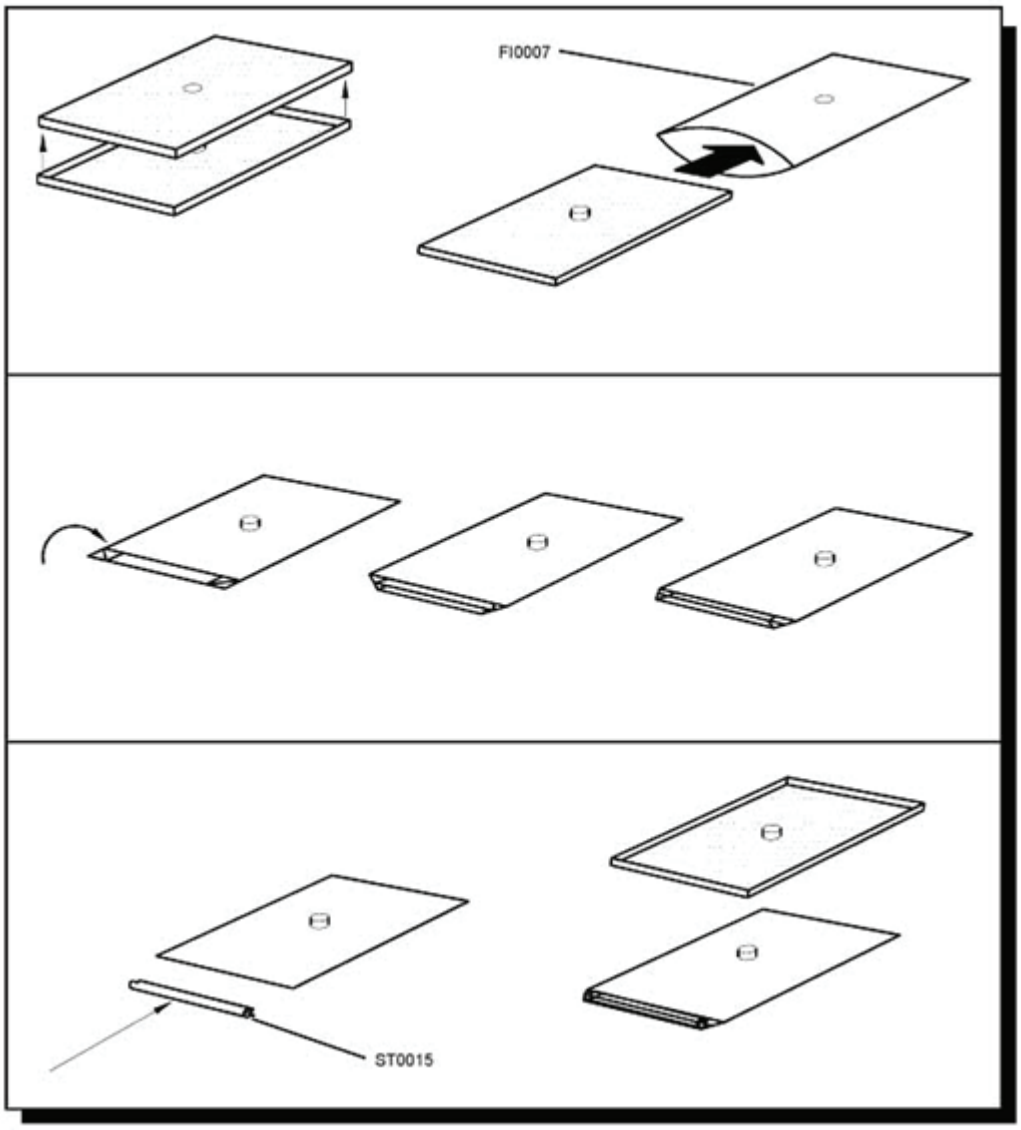
17. 17. Close the main drain and fill with new shortening to the proper level.

FILTER PAD REPLACEMENT

The filter pad must be replaced daily. If the shortening has a milky color when it is pumped into the pot, the filter pad should be replaced immediately.

⚠CAUTION If the filter pad is not properly closed, breading crumbs will get through the pad opening and clog the pump. Ensure that the filter pad is properly closed upon replacement.

1. Place the filter screen inside the filter pad.
2. Fold the end of the pad and seal with the bag clip.



TROUBLESHOOTING

Refer to the table below for troubleshooting information.

PROBLEM	CAUSE	POSSIBLE SOLUTION
Pressure Loss or Not Releasing Pressure	Dead Weight Valve Leaking	Clean the weight and orifice. If problems persist, contact an authorized BKI service agent for corrective action.
	Lid Gasket Leaking	Contact an authorized BKI service agent for corrective action.
	Solenoid Valve Leaking or Stuck	After a period of time, it is possible that the valve seat and/or plunger may stick or wear. Activate the valve by starting a cook cycle. You should hear a solid metallic CLICK sound from the solenoid valve. If you should hear no sound (or a slow BUZZING CLICK), contact an authorized BKI service agent for corrective action.
	Safety Valve not seating	Contact an authorized BKI service agent for corrective action.
Shortening Heating Too Slowly	Low voltage or improper voltage	Contact an authorized BKI service agent for corrective action.
	Bad thermostat or loose wires	Contact an authorized BKI service agent for corrective action.
	Weak heating elements or heating elements breaking down	Contact an authorized BKI service agent for corrective action.
	Coil on contactor is bad	Contact an authorized BKI service agent for corrective action.
	Breading build-up on heating elements	Clean heating elements. If problems persist, contact an authorized BKI service agent for corrective action.
Filter System Not Working	Uncertain	Press the hi-limit reset button under control panel. If problems persist, contact an authorized BKI service agent for corrective action.
	Connections not tight	Tighten the connections. If problems persist, contact an authorized BKI service agent for corrective action.
	Filter valve not open	Contact an authorized BKI service agent for corrective action.
	Filter paper on screen clogged with crumbs	Change filter paper. If problems persist, contact an authorized BKI service agent for corrective action.
	Motor hums, but does not pump	Check for clogged pump. If problems persist, contact an authorized BKI service agent for corrective action.
	Motor and pump coupling worn	Contact an authorized BKI service agent for corrective action.
	No power to control panel	Make sure drain valve is completely closed. If problems persist, contact an authorized BKI service agent for corrective action.
Computer Hangs	Computer malfunction.	Turn the power **OFF** then back **ON**. If problems persist, contact an authorized BKI service agent for corrective action.

NOTES:

BKI

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REVISION HISTORY

REVISION	DATE	REVISED BY	DESCRIPTION
01	03/15/13	KW	Initial Release-Supersedes all previous releases
02	06/07/16	JDS	LCO 16-002 - Added Daily Cleaning Instructions for Rear of Fryer & Corrected Idle Temperature, was 255°F now 275°F.
03	01/23/18	JDS	Added restraint instructions.
04	04/16/18	JDS	LCO 18-002 Added Caster Information and Boil Out Button Functionality.
05	09/21/18	JDS	Updated -F for New 5200 control and added required Warning for California residents. (LCO 18-008)
06	9/1/2020	CF	Change warranty
07	10/26/2021	CF	Remove mercury statement
08	9/15/2026	KRD	Adjusted restraint cable statement. “Recommended, not manditory”