

IF, DURING THE WARRANTY PERIOD, THE CUSTOMER USES A PART FOR THIS MANITOWOC FOOD SERVICE EQUIPMENT OTHER THAN AN <u>UNMODIFIED</u> NEW OR RECYCLED PART PURCHASED DIRECTLY FROM FRYMASTER DEAN, OR ANY OF ITS AUTHORIZED SERVICE CENTERS, AND/OR THE PART BEING USED IS MODIFIED FROM ITS ORIGINAL CONFIGURATION, THIS WARRANTY WILL BE VOID. FURTHER, FRYMASTER DEAN AND ITS AFFILIATES WILL NOT BE LIABLE FOR ANY CLAIMS, DAMAGES OR EXPENSES INCURRED BY THE CUSTOMER WHICH ARISE DIRECTLY OR INDIRECTLY, IN WHOLE OR IN PART, DUE TO THE INSTALLATION OF ANY MODIFIED PART AND/OR PART RECEIVED FROM AN UNAUTHORIZED SERVICE CENTER.

#### \rm DANGER

Copper wire suitable for at least 167°F (75°C) must be used for power connections.

#### \rm DANGER

The electrical power supply for this appliance must be the same as indicated on the rating and serial number plate located on the inside of the fryer door.

DANGER
This appliance must be connected to the voltage and phase as specified on the rating and serial
number plate located on the inside of the fryer door.

### \land DANGER

All wiring connections for this appliance must be made in accordance with the wiring diagrams furnished with the equipment. Wiring diagrams are located on the inside of the fryer door.

#### \rm DANGER

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

#### 

Do not attach accessories to this fryer unless fryer is secured from tipping. Personal injury may result.

#### 

Frymaster fryers equipped with legs are for permanent installations. Fryers fitted with legs must be lifted during movement to avoid damage and possible bodily injury. For a moveable or portable installation, Frymaster optional equipment casters must be used. Questions? Call 1-800-551-8633 or email at service@frymaster.com.

#### \rm MARNING

Do not use water jets to clean this equipment.

#### 

This equipment is intended for indoor use only. Do not install or operate this equipment in outdoor areas.

#### 

Adequate means must be provided to limit the movement of this appliance without depending on or transmitting stress to the electrical conduit. A restraint kit is provided with the fryer. If the restraint kit is missing contact your local Frymaster Factory Authorized Servicer (FAS) for part number 826-0900.

#### 

Prior to movement, testing, maintenance and any repair on your Frymaster fryer, disconnect all electrical power from the fryer.

| Three (3) Phase Requirements |                   |       |         |     |                 |              |     |     |  |  |
|------------------------------|-------------------|-------|---------|-----|-----------------|--------------|-----|-----|--|--|
|                              | WIRE MINIMUM SIZE |       |         |     | AMPS            | AMPS PER LEG |     |     |  |  |
| kW                           | VOLTAGE           | PHASE | SERVICE | AWG | mm <sup>2</sup> | L1           | L2  | L3  |  |  |
| 17                           | 208               | 3     | 3       | 6   | 16              | 48           | 48  | 48  |  |  |
| 17                           | 240               | 3     | 3       | 6   | 16              | 41           | 41  | 41  |  |  |
| 17                           | 480               | 3     | 3       | 6   | 16              | 21           | 21  | 21  |  |  |
| 17                           | 220/380           | 3     | 4       | 6   | 16              | 26           | 26  | 26  |  |  |
| 17                           | 240/415           | 3     | 4       | 6   | 16              | 24           | 24  | 24  |  |  |
| 17                           | 230/400           | 3     | 4       | 6   | 16              | 25           | 25  | 25  |  |  |
| 21                           | 208               | 3     | 3       | 4   | 25              | 57           | 57  | 57  |  |  |
| 21                           | 240               | 3     | 3       | 4   | 25              | 50           | 50  | 50  |  |  |
| 21                           | 480               | 3     | 3       | 6   | 16              | 25           | 25  | 25  |  |  |
| 21                           | 220/380           | 3     | 4       | 6   | 16              | N/A          | N/A | N/A |  |  |
| 21                           | 240/415           | 3     | 4       | 6   | 16              | 29           | 29  | 29  |  |  |
| 21                           | 230/400           | 3     | 4       | 6   | 16              | 27           | 27  | 27  |  |  |

#### **ELECTRICAL POWER SPECIFICATIONS**

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## E4 SERIES HIGH PRODUCTION RE ELECTRIC FRYERS CHAPTER 1: SERVICE PROCEDURES

#### 1.1 General

Before performing any maintenance on your Frymaster fryer, disconnect the fryer from the electrical power supply.

When electrical wires are disconnected, it is recommended that they be marked in such a way as to facilitate re-assembly.

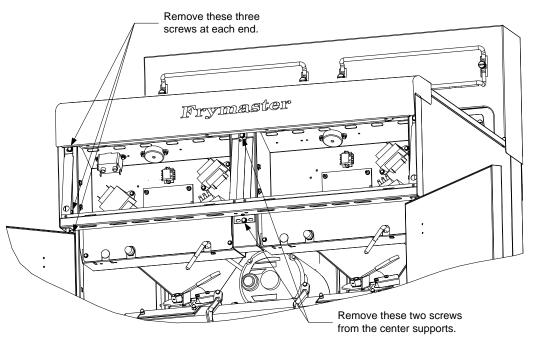
#### **1.2 Replacing a Controller**

- 1. Disconnect the fryer from the electrical power supply.
- 2. The controller bezel is held in place by tabs at the top and bottom. Slide the metal bezel up to disengage the lower tabs. Then slide the bezel down to disengage the upper tabs.
- 3. Remove the two screws from the upper corners of the control panel. The control panel is hinged at the bottom and swings open from the top.
- 4. Unplug the wiring harness from the connector on the back of the controller and disconnect the grounding wire from terminal adjacent to the connector. Remove the control panel assembly by lifting it from the hinged slots in the control panel frame.
- 5. Remove the controller from the control panel assembly and install the replacement controller. Reinstall the control panel assembly by reversing steps 1 and 2.

#### 1.3 Replacing Component Box Components

- 1. Disconnect the fryer from the electrical power supply.
- 2. The controller bezel is held in place by tabs at the top and bottom. Slide the metal bezel up to disengage the lower tabs. Then slide the bezel down to disengage the upper tabs.
- 3. Remove the two screws from the upper corners of the control panel and allow the control panel to swing down.
- 4. Unplug the wiring harness from the 15-pin connector on the interface board and disconnect the grounding wire from terminal adjacent to the 15-pin connector on the back of the controller. Remove the control panel assembly by lifting it from the hinge slots in the control panel frame.
- 5. Disconnect the wiring from the component to be replaced, being sure to make a note of where each wire was connected.
- 6. Dismount the component to be replaced and install the new component, being sure that any required spacers, insulation, washers, etc. are in place.

**NOTE:** If more room to work is required, the control panel frame assembly may be removed by removing the hex head screws that secure it to the fryer cabinet (see illustration below). If this option is chosen, all control panel assemblies must be removed per steps 1 and 2 above. The cover plate on the lower front of the component box may also be removed if desired. *Removing the component box itself from the fryer is not recommended due to the difficulty involved in disconnecting and reconnecting the oil-return valve rods, which pass through openings in the component box.* 



Removing the Control Panel Frame and Top Cap Assembly

- 7. Reconnect the wiring disconnected in Step 3, referring to your notes and the wiring diagrams on the fryer door to ensure that the connections are properly made. Also, verify that no other wiring was disconnected accidentally during the replacement process.
- 8. Reverse steps 1 through 4 to complete the replacement and return the fryer to service.

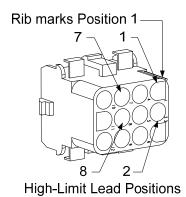
#### 1.4 Replacing a High-Limit Thermostat

1. Remove the filter pan and lid from the unit. Drain the frypots into a Shortening Disposal Unit (SDU) or other appropriate metal container.



- 2. Disconnect the fryer from the electrical power supply and reposition it to gain access to the rear of the fryer.
- 3. Remove the four screws from both the left and right sides of the lower back panel.

- 4. Locate the high-limit that is being replaced and follow the two-black wires to the 12-pin connector C-6. Note where the leads are connected prior to removing them from the connector. Unplug the 12-pin connector C-6 and using a pin-pusher push the pins of the high-limit out of the connector.
- 5. Using a wrench, carefully unscrew the high-limit thermostat to be replaced.
- 6. Apply Loctite<sup>™</sup> PST 567 or equivalent sealant to the threads of the replacement and screw it securely into the frypot.
- 7. Insert the leads into the 12-pin connector C-6 (see illustration below). For full-vat units or the left half of a dual-vat unit (as viewed from the rear of the fryer) the leads go into positions 1 and 2 of the connector. For the right half of a dual-vat unit (as viewed from the rear of the fryer), the leads go into positions 7 and 8. In either case, polarity does not matter.



- 8. Reconnect the 12-pin connecting plug C-6. Use wire ties to secure any loose wires.
- 9. Reinstall the back panels reposition the fryer under the exhaust hood, and reconnect it to the electrical power supply to return the fryer to service.

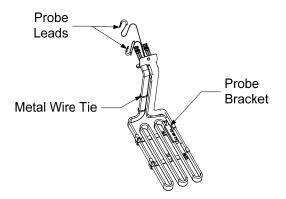
#### 1.5 Replacing a Temperature Probe

1. Remove the filter pan and lid from the unit. Drain the frypots into a Shortening Disposal Unit (SDU) or other appropriate metal container.

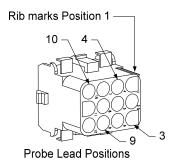
## **DANGER** <u>DO NOT</u> drain more than one full frypot or two split frypots into the SDU at one time.

- 2. Disconnect the fryer from the electrical power supply and reposition it to gain access to the rear of the fryer.
- 3. Remove the four screws from both sides of the lower back panel. Then remove the two screws on both the left and right sides of the back of the tilt housing. Lift the tilt housing straight up to remove from the fryer.
- 4. Locate the red and white wires of the temperature probe to be replaced. Note where the leads are connected prior to removing them from the connector. Unplug the 12-pin connector C-6 and using a pin-pusher push the pins of the temperature probe out of the connector.

5. Raise the element and remove the securing probe bracket and metal tie wraps that secure the probe to the element (see illustration below).



- 6. Gently pull on the temperature probe and grommet, pulling the wires up the rear of the fryer and through the element tube assembly.
- 7. Insert the replacement temperature probe (wires first) into the tube assembly ensuring that the grommet is in place. Secure the probe to the elements using the bracket which was removed in Step 5 and the metal tie wraps which were included in the replacement kit.
- 8. Route the probe wires out of the tube assembly following the element wires down the back of the fryer through the Heyco bushings to the 12-pin connector C-6. Secure the wires to the sheathing with wire ties.
- 9. Insert the temperature probe leads into the 12-pin connector C-6 (see illustration below). For full-vat units or the right half of a dual-vat unit (as viewed from the rear of the fryer) the red lead goes into position 3 and the white lead into position 4 of the connector. For the left half of a dual-vat unit (as viewed from the rear of the fryer), the red lead goes into position 9 and the white lead into position 10. NOTE: *Right* and *left* refer to the fryer as viewed from the rear.

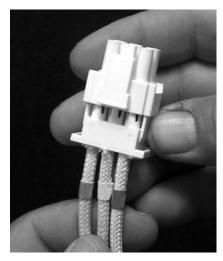


- 10. Secure any loose wires with wire ties making sure that the lead wires will not interfere with the movement of the springs. Rotate the elements up and down making sure that movement is not restricted and that the wires are not pinched.
- 11. Reinstall the tilt housing and back panels, reposition the fryer under the exhaust hood, and reconnect it to the electrical power supply to return the fryer to service.

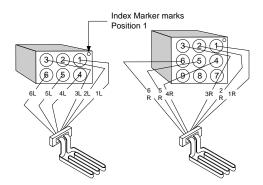
#### 1.6 Replacing a Heating Element

1. Perform steps 1-3 of section 1.5, *Replacing a Temperature Probe*.

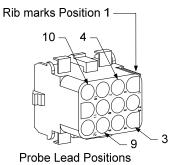
- 2. On dual-vat fryers, and on full-vat fryers where the temperature probe is attached to the element being replaced, disconnect the wire harness containing the probe wiring. Using a pin pusher, disconnect the probe wires from the 12-pin connector C-6.
- 3. Remove screws holding element wiring cover in place and remove cover.
- 4. In the rear of the fryer directly behind the frypot disconnect the 6-pin connector for the left element (as viewed from the front of the fryer) or the 9-pin connector for the right element. Press in on the tabs on each side of the connector while pulling outward on the free end to extend the connector and release the element leads (see photo below). Pull the leads out of the connector and out of the wire sleeving.



- 5. Raise the element to the full up position and support the elements.
- 6. Remove the hex head screws and nuts that secure the element to the tube assembly and pull the element out of the frypot. **NOTE:** Full-vat elements consist of two dual-vat elements clamped together. For full-vat units, remove the element clamps before removing the nuts and screws that secure the element to the tube assembly.
- 7. If applicable, recover the probe bracket and probe from the element being replaced and install them on the replacement element. Install the replacement element in the frypot, securing it with the nuts and screws removed in Step 5 to the tube assembly. Ensure the gasket is between the tube and element assembly.
- 8. Route the element leads through the element tube assembly and into the wire sleeving to prevent chafing. Ensure that the wire sleeving is routed back through the Heyco bushing keeping it clear from the lift springs. Also ensure that the wire sleeving extends into the tube assembly to prevent the edge of the tube assembly from chafing the wires. Press the pins into the connector in accordance with the diagram on the following page, and then close the connector to lock the leads in place. **NOTE:** It is critical that the wires be routed through the sleeving to prevent chafing.



- 9. Reconnect the element connector ensuring that the latches lock.
- 10. Insert the temperature probe leads into the 12-pin wiring harness connector C-6 (see illustration below). For full-vat units or the right half of a dual-vat unit, the red lead goes into position 3 and the white into position 4. For the left half of a dual-vat unit, the red lead goes into position 9 and the white into position 10. **NOTE:** *Right* and *left* refer to the fryer as viewed from the rear.



- 10. Reconnect the 12-pin connector C-6 of the wiring harness disconnected in Step 2.
- 11. Lower the element down onto the basket rack.
- 12. Reinstall the tilt housing, upper cover and back panels, reposition the fryer under the exhaust hood, and reconnect it to the electrical power supply.

#### **1.7 Replacing Contactor Box Components**

1. If replacing a contactor box component above the built-in filter system, remove the filter pan and lid from the unit. Drain the frypots into a Shortening Disposal Unit (SDU) or other appropriate metal container. If replacing a contactor box component in a non-filter unit or a frypot that's not over the filter pan, drain the frypot above the box into a Shortening Disposal Unit (SDU) or other appropriate metal container.

## **DANGER** <u>DO NOT</u> drain more than one full frypot or two split frypots into the SDU at one time.

- 2. Disconnect the fryer from the electrical power supply.
- 3. Remove the two screws securing the cover of the contactor box. The contactor boxes above the filter pan are accessed by sliding under the fryer. They are located to the left and right above the

guide rails (see photo below). The contactor boxes of non-filter units or frypots not over the filter pan are accessed by opening the fryer door directly under the affected frypot.

- 4. The contactors and relays are held on by threaded pin studs so that only removal of the nut is required to replace the component.
- 5. After performing necessary service, reverse steps 1-4 to return the fryer to operation.

#### 1.8 Replacing a Frypot

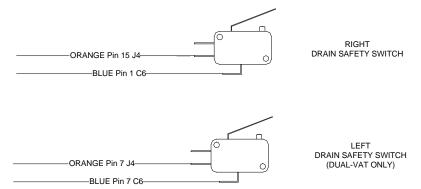
1. Drain the frypot into the filter pan or, if replacing a frypot over the filter system, into a Shortening Disposal Unit (SDU) or other appropriate metal container. If replacing a frypot over the filter system, remove the filter pan and lid from the unit.

#### 

#### **<u>DO NOT</u>** drain more than one full frypot or two split frypots into the SDU at one time.

- 2. Disconnect the fryer from the electrical power supply and reposition it to gain access to both the front and rear.
- 3. Slide the metal bezel up to release the bottom tabs, then slide the bezel down to disengage the upper tabs.
- 4. Remove the two screws from the upper corners of the control panels and allow them to swing down (see illustration and photo on page 1-1).
- 5. Unplug the wiring harnesses and ground wires from the backs of the controllers. Remove the controllers by lifting them from the hinge slots in the control panel frame.
- 6. Remove the tilt housing and back panels from the fryer. The tilt housing must be removed first in order to remove the upper back panel.
- 7. To remove the tilt housing remove the hex head screws from the rear edge of the housing. The housing can be lifted straight up and off the fryer.
- 8. Remove the control panel by removing the screw in the center and the nuts on both sides.
- 9. Loosen the component boxes by removing the screws, which secure them in the cabinet.
- 10. Dismount the top cap by removing the nuts at each end that secure it to the cabinetry.
- 11. Remove the hex head screw that secures the front of the frypot to the cabinet cross brace.
- 12. Remove the top-connecting strip that covers the joint with the adjacent frypot.
- 13. Unscrew the Teflon vent/vacuum-breaker tube fitting, unscrew the nut located on the front of each section of drain tube, and remove the tube assembly from the fryer.

- 14. Remove the covers from the drain safety switch(es) and disconnect the switch wiring at the switch(es).
- 15. At the rear of the fryer, unplug the 12-pin connector C-6 and, using a pin pusher, disconnect the high-limit thermostat leads.
- 16. Disconnect the oil return flexline(s) at the frypot end(s).
- 17. Raise the elements to the "up" position and disconnect the element springs.
- 18. Remove the machine screws and nuts that secure the element tube assembly to the frypot. Carefully lift the element assembly from the frypot and secure it to the cross brace on the rear of the fryer with wire ties or tape.
- 19. Carefully lift the frypot from the fryer and place it upside down on a stable work surface.
- 20. Recover the drain valve(s), oil return flexline connection fitting(s), and high-limit thermostat(s) from the frypot. Clean threads and apply Loctite<sup>™</sup> PST 567 or equivalent sealant to the threads of the recovered parts and install them in the replacement frypot.
- 21. Carefully lower the replacement frypot into the fryer. Reinstall the hex head screw removed in step 7 to attach the frypot to the fryer.
- 22. Position the element tube assembly in the frypot and reinstall the machine screws and nuts removed in step 14.
- 23. Reconnect the oil return flexlines to the frypot, and replace aluminum tape, if necessary, to secure heater strips to the flexlines.
- 24. Insert the high-limit thermostat leads disconnected in step 13 (see illustration on page 1-3 for pin positions).
- 25. Reconnect the drain safety switch wiring to the switch(es) in accordance with the diagram below then reinstall the switch covers.



- 26. Reinstall the drain tube assembly.
- 27. Reinstall the top connecting strips, top cap, control panel, component box, tilt housing and back panels.
- 28. Reinstall controllers in the control panel frame and reconnect the wiring harnesses and ground wires.
- 29. Reposition the fryer under the exhaust hood and reconnect it to the electrical power supply.

#### 1.9 Built-in Filtration System Service Procedures

#### **1.9.1 Filtration System Problem Resolution**

One of the most common causes of filtration problems is placing the filter paper on the bottom of the filter pan rather than over the filter screen.

#### CAUTION Ensure that filter screen is in place prior to filter paper placement and filter pump operation. Improper screen placement is the primary cause of filtration system malfunction.

Whenever the complaint is "the pump is running, but no oil is being filtered," check the installation of the filter paper, and ensure that the correct size is being used. While you are checking the filter paper, verify that the O-rings on the pick-up tube of the filter pan are in good condition. Missing or worn O-rings allow the pump to take in air and decrease its efficiency.

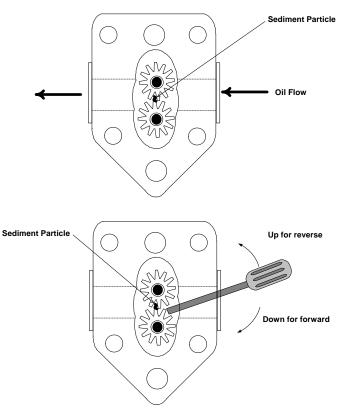
If the pump motor overheats, the thermal overload will trip and the motor will not start until it is reset. If the pump motor does not start, press the red reset switch (button) located on the rear of the motor at the front of the fryer.

If the pump starts after resetting the thermal overload switch, then something is causing the motor to overheat. A major cause of overheating is when several frypots are filtered sequentially, overheating the pump and motor. Allow the pump motor to cool at least 30 minutes before resuming operation. Pump overheating can be caused by:

- Solidified shortening in the pan or filter lines, or
- Attempting to filter unheated oil (cold oil is more viscous, overloading the pump motor and causing it to overheat).

If the motor runs but the pump does not return oil, there is a blockage in the pump. Incorrectly sized or installed paper/pads will allow food particles and sediment to pass through the filter pan and into the pump. When sediment enters the pump, the gears bind, causing the motor to overload, again tripping the thermal overload. Shortening that has solidified in the pump will also cause it to seize, with the same result.

A pump seized by debris or hard shortening can usually be freed by manually moving the gears with a screwdriver or other instrument.



Disconnect power to the filter system, remove the input plumbing from the pump, and use a screwdriver to manually turn the gears.

- Turning the pump gears in reverse will release a hard particle.
- Turning the pump gears forward will push softer objects and solid shortening through the pump and allow free movement of the gears.

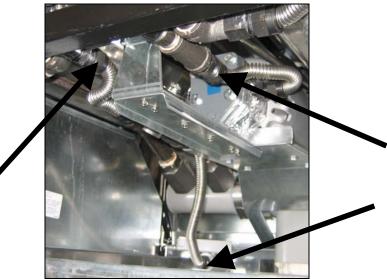
Incorrectly sized or installed paper/pads will also allow food particles and sediment to pass through and clog the suction tube on the bottom of the filter pan. Particles large enough to block the suction tube may indicate that the crumb tray is not being used. Pan blockage can also occur if shortening is left in the pan and allowed to solidify. Blockage removal can be accomplished by forcing the item out with an auger or drain snake. Compressed air or other pressurized gases should not be used to force out the blockage.

#### 1.9.2 Replacing the Filter Motor, Filter Pump, and Related Components

1. Drain the frypots into a Shortening Disposal Unit (SDU) or other appropriate metal container.

**DANGER** <u>DO NOT</u> drain more than one full frypot or two split frypots into the SDU at one time.

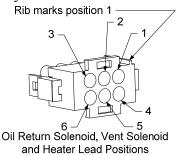
- 2. Disconnect the fryer from the electrical power supply and reposition it to gain access to both the front and rear.
- 3. Disconnect the two flexlines running to the oil-return manifold at the rear of the fryer as well as the pump suction flexline at the end of the filter pan connection (see photo below).



Disconnect flexlines indicated by the arrows.

- 4. Remove the cover plate from the front of the motor and disconnect the motor wires.
- 5. Unplug the pump motor assembly 6-pin connector C-2 and, using a pin pusher, disconnect the vent vacuum-breaker solenoid (pins 2 and 5) that is attached to the oil return manifold.

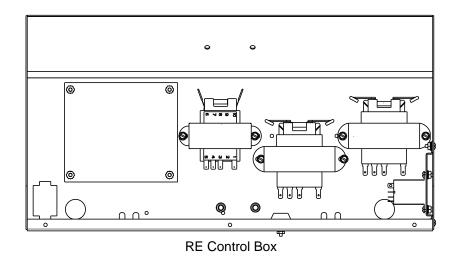
- 6. When complete, reverse steps to reinstall the bridge. **NOTE:** The black motor wires go on the top terminal, the white on the bottom. The pump solenoid valve wires go in positions 1 and 4 of the 6-pin connector C-2; the vent vacuum-breaker solenoid valve wires go in positions 2 and 5; the red/black heater tape wires go into position 3 and the violet/white wires go into position 6 (see illustration on the following page).
- 7. Disconnect any heater tape wiring from connectors and remove heater tape. Motor and pump can be separated and removed individually or as one unit.



- 8. Reconnect the unit to the electrical power supply, and verify that the pump is functioning correctly (i.e., when a filter handle is placed in the ON position, the motor should start and there should be strong suction at the intake fitting and outflow at the rear flush port.)
- 9. When proper operation has been verified, reinstall the back panels and the filter pan and lid.
- 10. Reposition the fryer under the exhaust hood and reconnect it to the electrical power supply to return the fryer to service.

#### 1.9.3 Replacing the Filter Transformer or Filter Relay

Disconnect the fryer from the electrical power supply. Remove the left controller from the fryer to expose the interior of the left component box. The filter transformer and relay are behind the controller on a single fryer or just right of the filter in a bank of two or more. The filter transformer and relay are located as shown in the illustration below.



#### 1.10 Basket Lift Service Procedures

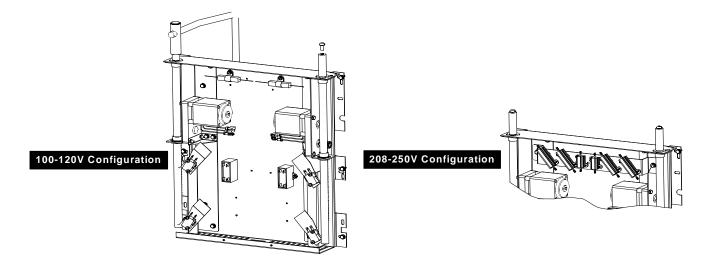
High Production RE Series electric fryers may be equipped with automatic basket lifts. Basket lifts always come in pairs, although each operates independently.

A **modular basket lift** (illustrated on the following page) is a self-contained sub-assembly consisting of a pair of toothed rods which support removable basket lift arms, a pair of reversibledrive gear motors, and four microswitches. The gear motors engage the teeth of the rods, moving them up or down depending upon the motors' direction of rotation. The microswitches at the upper and lower limits of movement stop the motors when the basket is in the full up or full down position. Timing circuitry in the controller initiates and stops basket lift operation depending upon the variables programmed by the operator. When the product button is pressed, the timing circuitry activates a coil in the basket lift relay to supply power to the lower microswitch. The microswitches stop the motor at the lift's upper and lower travel limits and reverse the direction of current flow thus reversing the motor direction.

When the product button is pushed on the computer/controller, current flows through a coil in the basket lift relay, causing the lower circuit to be activated. The basket lift lowers, closing the normally open upper-micro-switch. When the downward-moving rod opens the lower normally closed microswitch, the power to the motor ceases to flow. When the computer/controller times out, the current to the relay coil is cut, allowing the upper circuit to be activated. The basket lift then raises and re-closes the lower microswitch. When the basket lift rod clears the upper microswitch, the microswitch reopens, power to the circuit is cut, and the motor stops. Pushing the product button restarts the cycle.

Problems with the basket lift can be grouped into three categories:

- Binding/jamming problems
- Motor and gear problems
- Electronic problems



#### **BINDING/JAMMING PROBLEMS**

Noisy, jerky or erratic movement of the lifts is usually due to lack of lubrication of the rods and their bushings. Apply a light coat of Lubriplate<sup>®</sup> or similar lightweight white grease to the rod and bushings to correct the problem.

With the modular basket lift, another possible cause of binding is improper positioning of the motor, which prevents the gear from correctly engaging the teeth in the rod. To correct the problem, loosen the screws that hold the motor in place and move it forward or backward until the rod has just enough slack to be rotated slightly.

#### MOTOR AND GEAR PROBLEMS

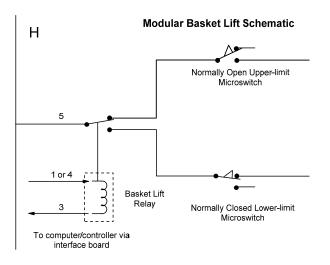
With the modular basket lift, the most likely problem to be encountered in this category is erratic motion of the lift due to a worn drive gear. Failure to keep the lift rod and bushings properly lubricated will cause unnecessary wear of the gear. The problem is corrected by replacing the worn gear.

If the lift cycles correctly but fails to remain in the up position (i.e., goes up, but then slowly settles back down into the frypot), the problem is a failed motor brake. A failed motor brake cannot be repaired and requires replacement of the motor itself.

If power is reaching the motor but the motor fails to run, the motor is burned out and must be replaced.

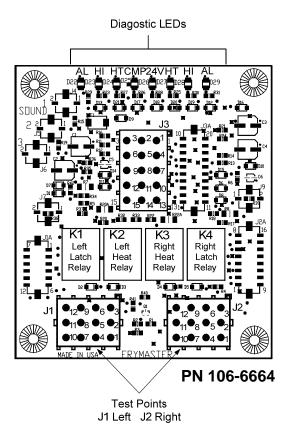
#### **ELECTRONIC PROBLEMS**

Within this category are problems associated with the relays, microswitches, capacitors, resistors, interface board, wiring, and controls. The most common problem in this category is a lift that continuously travels up and down. This is usually caused by a microswitch that is out of adjustment. Troubleshooting the electronics of a modular basket lift is simply a process of verifying current flow through the individual components up to and including the motor. Using a multimeter set to the 250 VAC range, check the connections on both sides of the component for the presence of the applied line voltage. The schematic below and the wiring diagram on page 1-16 can identify the components and wiring connection points.



#### 1.11 Interface Board Diagnostic Chart

The following diagram and charts provide ten quick system checks that can be performed using only a multimeter.



**NOTE** – When testing the test points on J1 and J2 test use the illustration above disregarding any silk-screened numbers on the board depicting the location of Pin 1. Pin 1 is located in the bottom right corner of both J1 and J2. These test points are ONLY for RE Series boards with J1 and J2 plugs on the front of the board.

|     | Diagnostic LED Legend                                    |
|-----|--|
| СМР | indicates power from 12V transformer                     |
| 24  | indicates power from 24V transformer                     |
| HI  | (RH) indicates output (closed) from right latch<br>relay |
| HI  | (LH) indicates output (closed) from left latch relay     |
| HT  | (RH) indicates output from right heat relay              |
| HT  | (LH) indicates output from left heat relay               |
| AL  | (RH) indicates output (open) from right latch relay      |
| AL  | (LH) indicates output (open) from left latch relay       |

| Meter Setting              | Test          | Pin      | Pin      | Results    |
|----------------------------|---------------|----------|----------|------------|
| 12 VAC Power               | 50 VAC Scale  | 3 of J2  | 1 of J2  | 12-16 VAC  |
| 24 VAC Power               | 50 VAC Scale  | 2 of J2  | Chassis  | 24-30 VAC  |
| *Probe Resistance (RH)     | R X 1000 OHMS | 11 of J2 | 10 of J2 | See Chart  |
| *Probe Resistance (LH)     | R X 1000 OHMS | 1 of J1  | 2 of J1  | See Chart  |
| High-Limit Continuity (RH) | R X 1 OHMS    | 9 of J2  | 6 of J2  | 0 - OHMS   |
| High-Limit Continuity (LH) | R X 1 OHMS    | 6 of J1  | 9 of J1  | 0 - OHMS   |
| Latch Contactor Coil (RH)  | R X 1 OHMS    | 8 of J2  | Chassis  | 3-10 OHMS  |
| Latch Contactor Coil (LH)  | R X 1 OHMS    | 5 of J1  | Chassis  | 3-10 OHMS  |
| Heat Contactor Coil (RH)   | R X 1 OHMS    | 7 of J2  | Chassis  | 11-15 OHMS |
| Heat Contactor Coil (LH)   | R X 1 OHMS    | 4 of J1  | Chassis  | 11-15 OHMS |

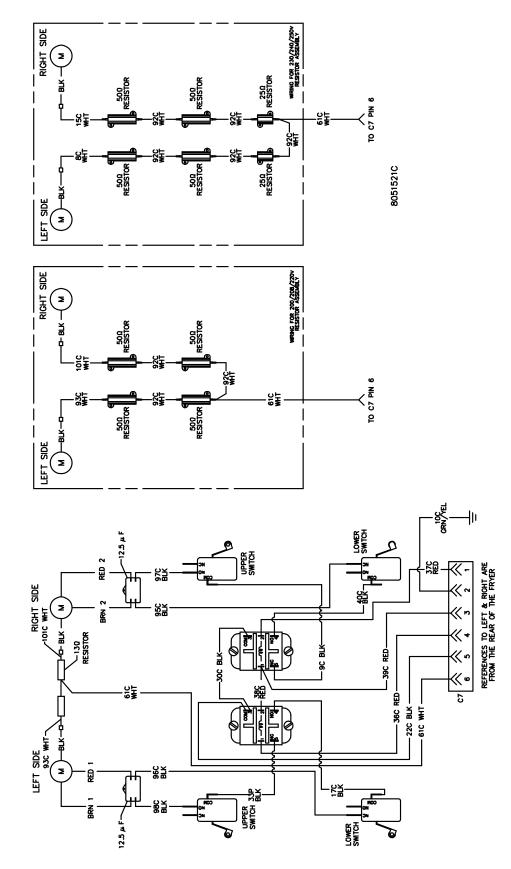
\* Disconnect 15-Pin harness from the computer/controller before testing the probe circuit.

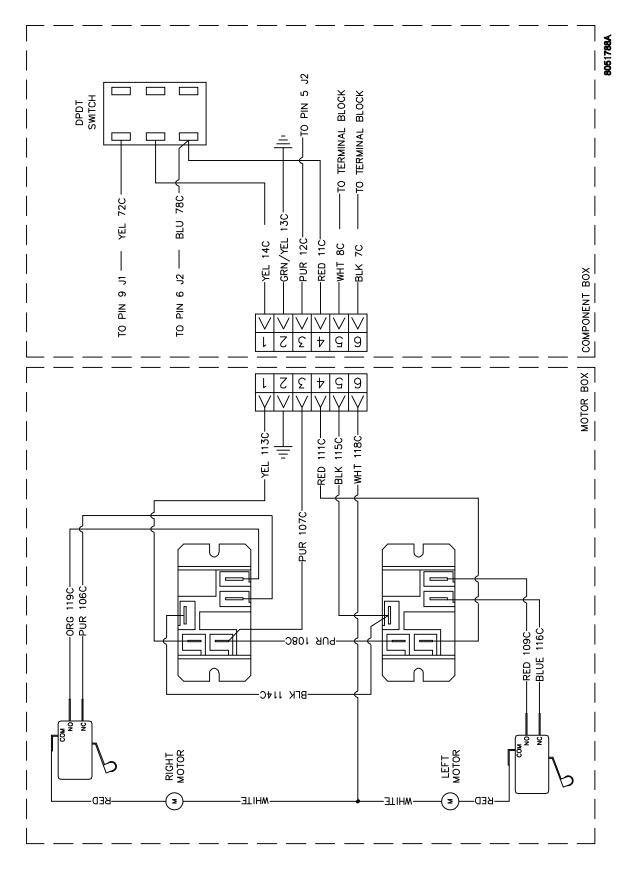
#### **1.12 Probe Resistance Chart**

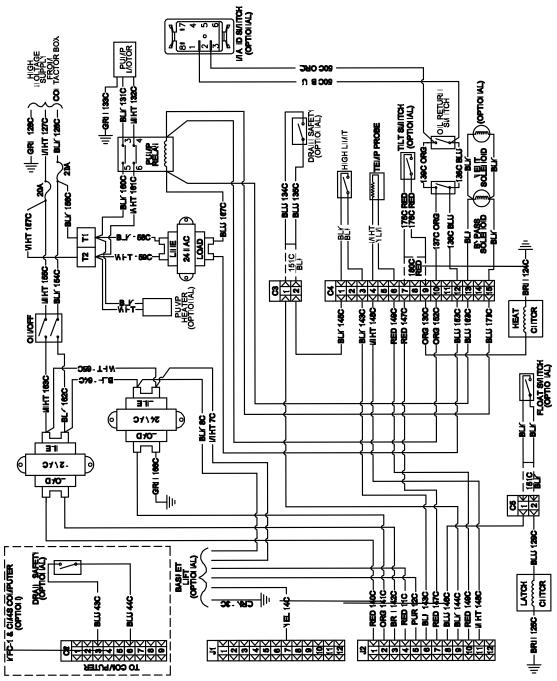
|     |      |       |     |        | Pro      | be  | F  | Res   | sista   | nc   | e | Cł   | nart    |       |    |      |      |     |
|-----|------|-------|-----|--------|----------|-----|----|-------|---------|------|---|------|---------|-------|----|------|------|-----|
|     |      | For u | ise | e with | n fryers | man | uf | actur | ed with | Minc | 0 | Ther | rmistor | probe | es | only |      |     |
| F   | OHMS | С     |     | F      | OHMS     | С   |    | F     | OHMS    | С    |   | F    | OHMS    | С     |    | F    | OHMS | С   |
| 60  | 1059 | 16    |     | 130    | 1204     | 54  |    | 200   | 1350    | 93   |   | 270  | 1493    | 132   |    | 340  | 1634 | 171 |
| 65  | 1070 | 18    | 1 [ | 135    | 1216     | 57  |    | 205   | 1361    | 96   |   | 275  | 1503    | 135   |    | 345  | 1644 | 174 |
| 70  | 1080 | 21    |     | 140    | 1226     | 60  |    | 210   | 1371    | 99   |   | 280  | 1514    | 138   |    | 350  | 1654 | 177 |
| 75  | 1091 | 24    |     | 145    | 1237     | 63  |    | 215   | 1381    | 102  |   | 285  | 1524    | 141   |    | 355  | 1664 | 179 |
| 80  | 1101 | 27    |     | 150    | 1247     | 66  |    | 220   | 1391    | 104  |   | 290  | 1534    | 143   |    | 360  | 1674 | 182 |
| 85  | 1112 | 29    |     | 155    | 1258     | 68  |    | 225   | 1402    | 107  |   | 295  | 1544    | 146   |    | 365  | 1684 | 185 |
| 90  | 1122 | 32    |     | 160    | 1268     | 71  |    | 230   | 1412    | 110  |   | 300  | 1554    | 149   |    | 370  | 1694 | 188 |
| 95  | 1133 | 35    |     | 165    | 1278     | 74  |    | 235   | 1422    | 113  |   | 305  | 1564    | 152   |    | 375  | 1704 | 191 |
| 100 | 1143 | 38    |     | 170    | 1289     | 77  |    | 240   | 1432    | 116  |   | 310  | 1574    | 154   |    | 380  | 1714 | 193 |
| 105 | 1154 | 41    |     | 175    | 1299     | 79  |    | 245   | 1442    | 118  |   | 315  | 1584    | 157   |    | 385  | 1724 | 196 |
| 110 | 1164 | 43    |     | 180    | 1309     | 82  |    | 250   | 1453    | 121  |   | 320  | 1594    | 160   |    | 390  | 1734 | 199 |
| 115 | 1174 | 46    |     | 185    | 1320     | 85  |    | 255   | 1463    | 124  |   | 325  | 1604    | 163   |    | 395  | 1744 | 202 |
| 120 | 1185 | 49    |     | 190    | 1330     | 88  |    | 260   | 1473    | 127  |   | 330  | 1614    | 166   |    | 400  | 1754 | 204 |
| 125 | 1195 | 52    |     | 195    | 1340     | 91  |    | 265   | 1483    | 129  |   | 335  | 1624    | 168   |    | 405  | 1764 | 207 |

#### 1.13 Wiring Diagrams

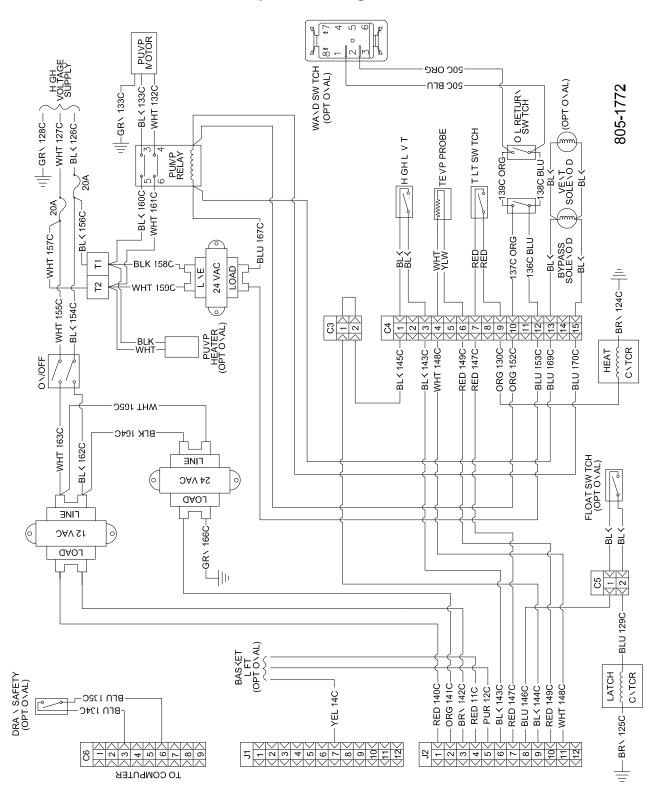
#### 1.13.1 Basket Lift



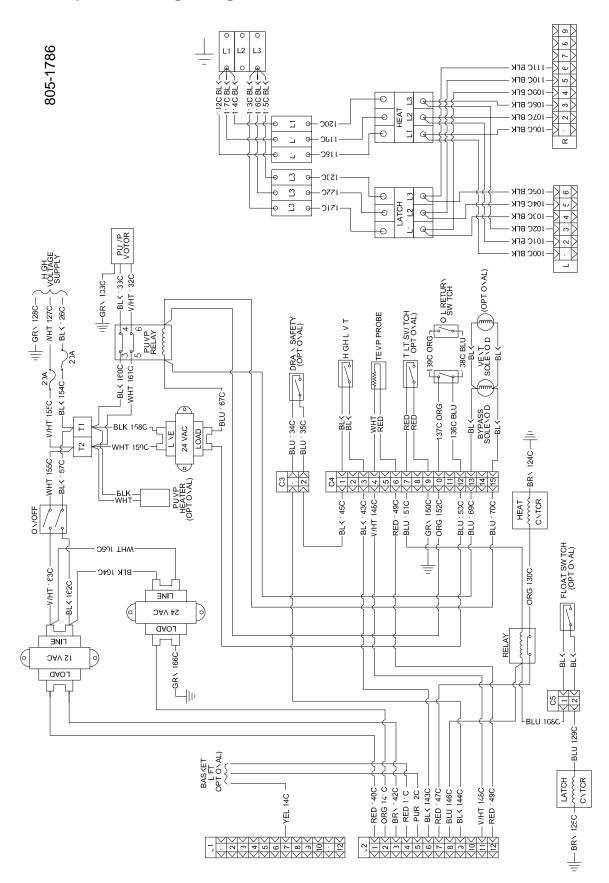




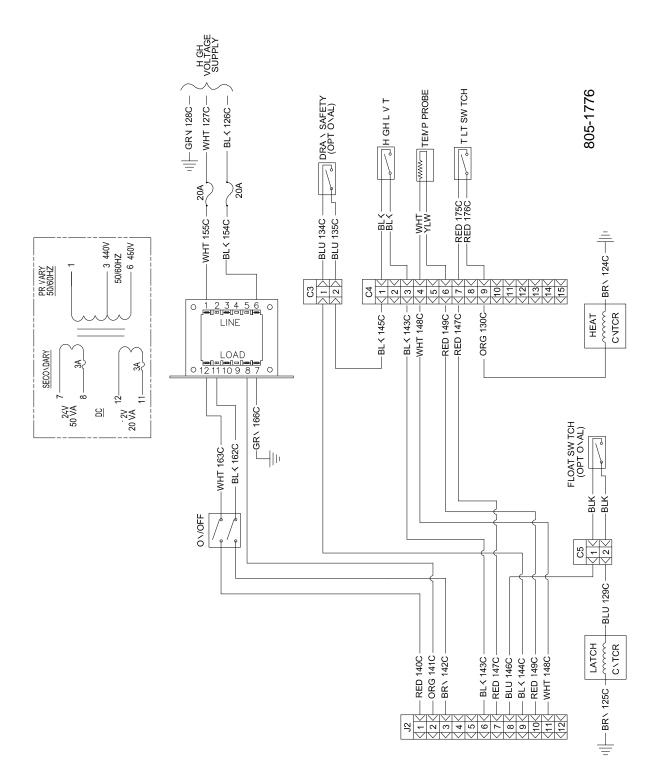
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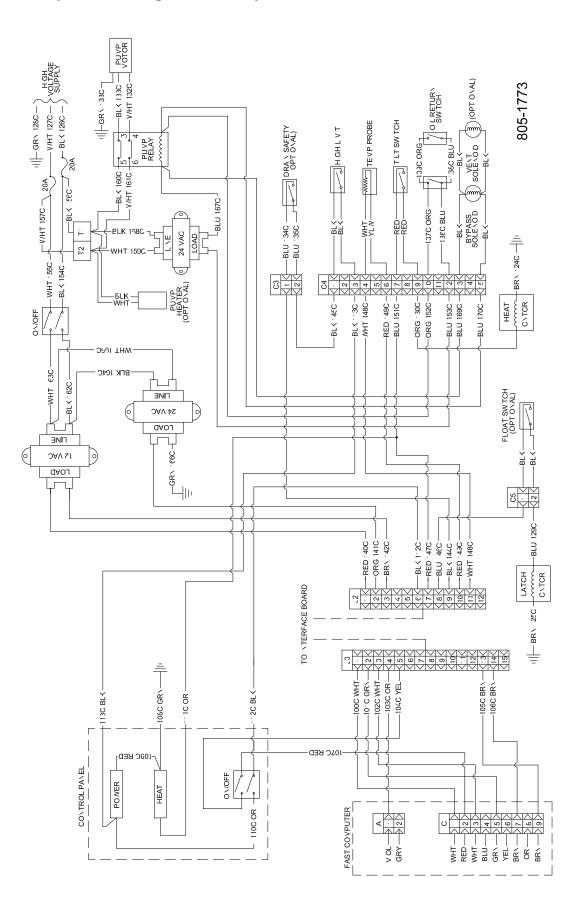
#### 1.13.5 Component Wiring – Single Phase

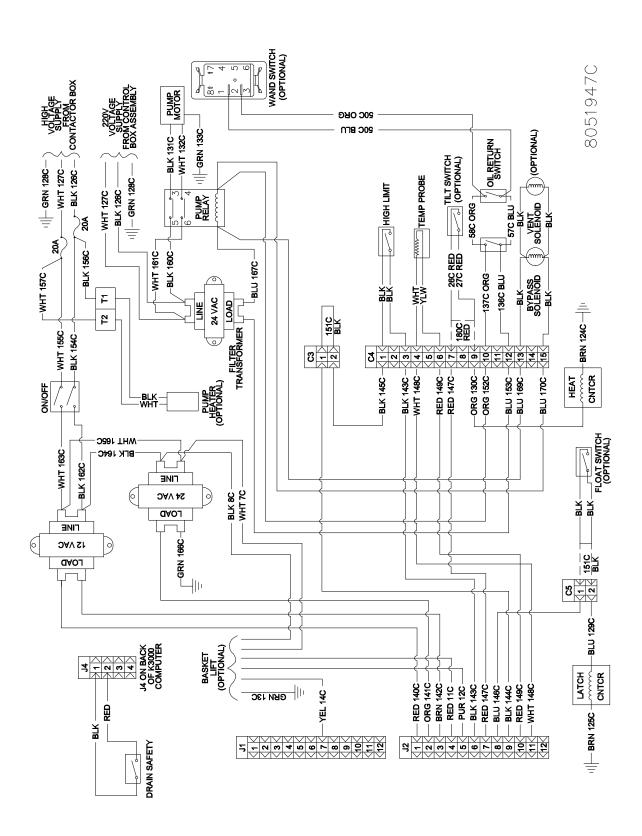


#### 1.13.6 Component Wiring – 480V Non-Filter

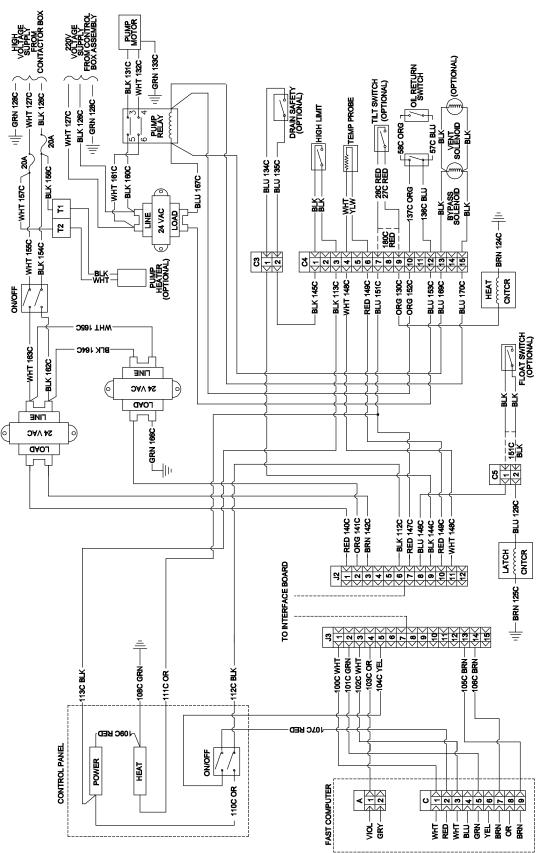


#### 1.13.7 Component Wiring - Fast Ready

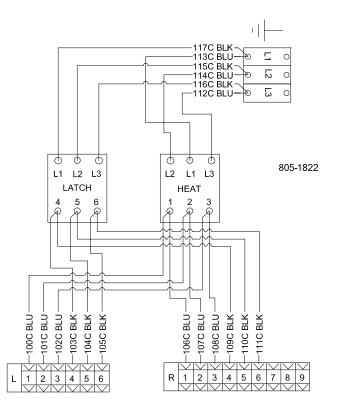




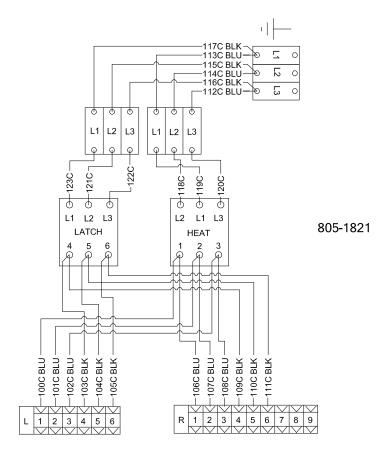
#### 1.13.8 Component Wiring – KFC INDIA K3000



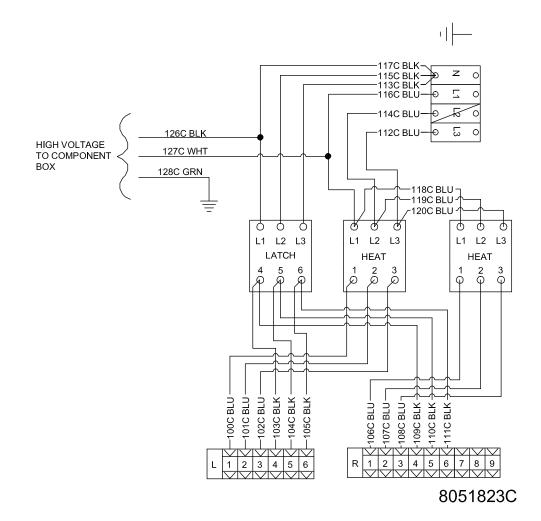
#### 1.13.10 Contactor Box – Domestic, 17 kW



#### 1.13.11 Contactor Box – Domestic, 21 kW

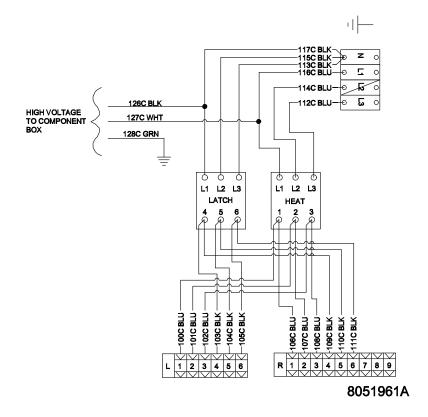


1-25

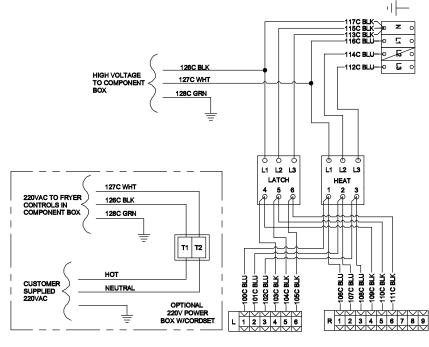


#### 1.13.12 Contactor Box – Export 17kW and 21kW

#### 1.13.13 Contactor Box – Export (Chinese Foshan) 17kW and 21kW



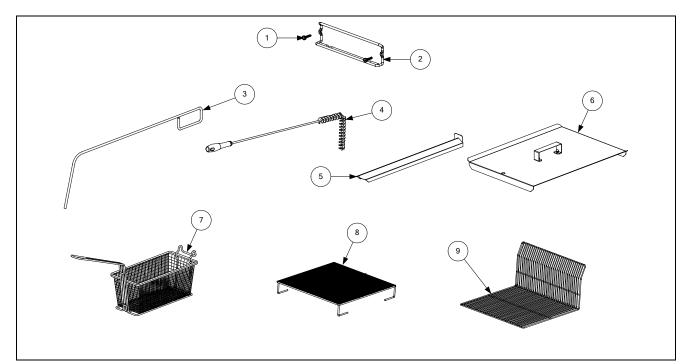
#### 1.13.14 Contactor Box – Export KFC India 17kW



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## E4 SERIES HIGH PRODUCTION RE ELECTRIC FRYERS CHAPTER 2: PARTS LIST

#### 2.1 Accessories

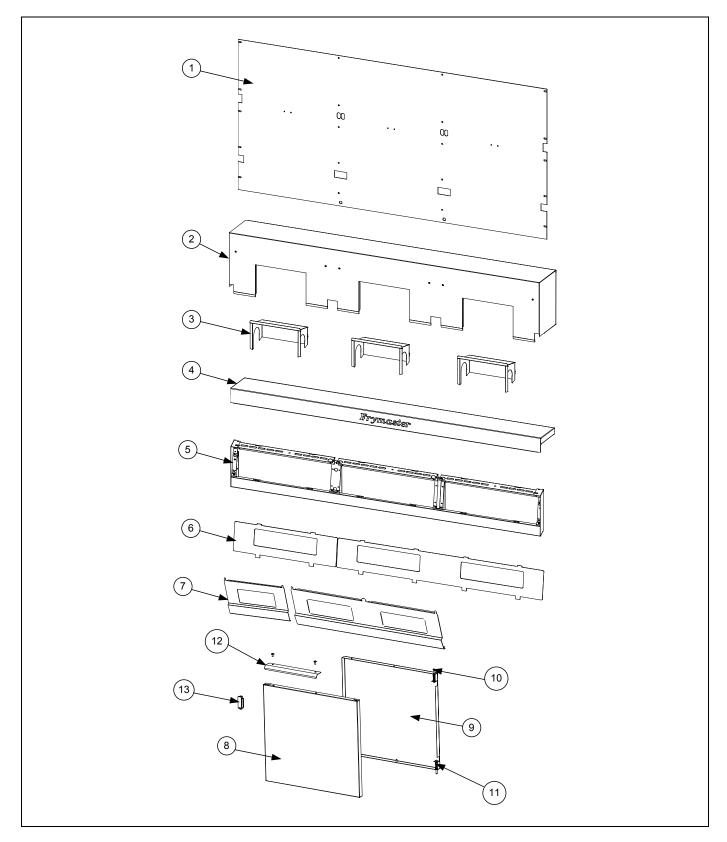


| ITEM | PART #   | COMPONENT   |
|------|----------|---|
| 1    | 809-0985 | Thumbscrew, <sup>1</sup> / <sub>4</sub> -20 X 1 <sup>3</sup> / <sub>8</sub> -inch |
| 2    | 810-2794 | Basket Hanger   |
| *    | 230-4318 | Basket Hanger, KFC  |
| *    | 809-0941 | Spacer, Basket Hanger   |
| *    | 809-0905 | Thumbscrew  |
| 3    | 803-0197 | Cleanout Rod, 27-inch   |
| 4    | 803-0278 | Brush, Teflon, L-shaped   |
| 5    |          | Joiner Strip  |
|      | 230-4766 | Standard  |
|      | 823-7922 | Church's/Popeye's   |
|      | 230-9451 | KFC India   |
|      | 230-5382 | Battering Strip (Standard, 1 per 5-vat or 6-vat unit)                             |
|      | 823-7100 | Battering Strip (Church's, 1 per 5-vat or 6-vat unit)                             |
|      | 823-6341 | Caster Battering Plate  |
| 6    | 108-0220 | Frypot Cover  |
| *    | 108-0217 | Frypot Cover, Church's  |
| 7    | 803-0304 | Basket, Twin  |
| 8    | 803-0387 | Grid, Basket Support  |
| 9    | 810-3066 | Grid, Basket Support, Church's  |
| *    | 803-0293 | Gloves, Hot Oil/Neoprene (pair)   |
| *    | 803-0342 | Powder, Filter (25 count box)   |
| *    | 823-7109 | Splash Guard  |
| *    | 823-7169 | Splash Guard, Church's or Popeye's  |

\* Not illustrated.

### 2.2 Cabinetry





| ITEM | PART #   | COMPONENT                               |
|------|----------|---|
| 1    |          | Back, Cabinet                           |
|      |          | Standard                                |
|      | 240-0189 | x1                                      |
|      | 220-5034 | x2, x4 (2), x5 (1)                      |
|      | 220-5149 | x3, x5 (1), x6 (2)                      |
| _    | 220-7582 | Single Filter Cabinet                   |
|      | 240-0190 | With Basket Lift                        |
|      |          | KFC with Over the Top Filtration        |
|      | 220-9416 | x1                                      |
|      | 240-0393 | x2, x4 (2), x5 (1)                      |
|      | 240-0392 | x3, x5 (1), x6 (2)                      |
|      |          | Church's/Popeye's                       |
|      | 220-5313 | x1                                      |
|      | 220-5314 | x2, x5 (1), x4 (2)                      |
|      | 220-5315 | x3, x5 (1), x6 (2)                      |
| 2    |          | Tilt Housing                            |
|      | 823-7019 | xl                                      |
|      | 823-6947 | x2                                      |
|      | 823-6874 | x3                                      |
|      | 823-7022 |   |
|      | 000 7014 | KFC with Over the Top Filtration        |
|      | 823-7014 |   |
|      | 823-6782 | x2<br>x3                                |
|      | 823-7133 |   |
|      | 823-7072 | Church's/Popeye's<br>x1                 |
|      | 823-7072 | x2, x5 (1)                              |
|      | 823-7073 | $x_{2}, x_{5}(1)$<br>x3, x5 (1), x6 (2) |
|      | 823-7074 | x4                                      |
| 3    | 823-5440 | Cove, Element Tilt Housing              |
| 4    | 025 5110 | Top Cap                                 |
|      |          | Frymaster                               |
|      | 108-3141 | x1                                      |
|      | 108-3142 | x2, x5 (1)                              |
|      | 108-3143 | x3, x5 (1), x6 (2)                      |
|      | 108-3144 | x4                                      |
|      |          | Dean                                    |
|      | 108-0034 | x1                                      |
|      | 108-0040 | x2, x5 (1)                              |
|      | 108-0042 | x3, x5 (1), x6 (2)                      |
|      | 108-0036 | x4                                      |
|      |          | Church's/Popeye's                       |
|      | 108-3364 | x1                                      |
|      | 108-3365 | x2, x5 (1)                              |
| _    | 108-3366 | x3, x5 (1), x6 (2)                      |
|      | 108-3367 | x4                                      |

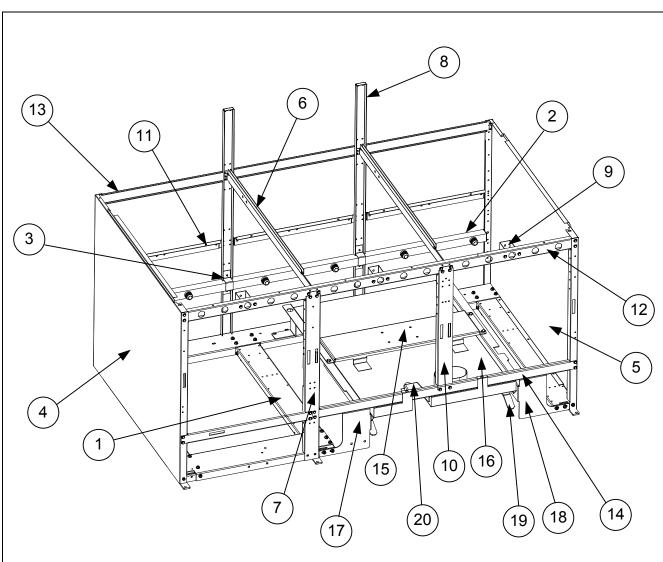
## 2.2.1 Back Panels, Tilt Housings, Top Caps, and Doors (cont.)

\* Not illustrated.

| ITEM        | PART #   | COMPONENT  |
|-------------|----------|--|
| 5           |          | Control Frame  |
|             |          | Standard, Church's/Popeye's  |
|             | 108-5134 | x1   |
| _           | 108-5320 | x2, x5 (1)   |
|             | 108-5381 | x3, x5 (1), x6 (2)   |
|             | 108-5380 | x4   |
|             |          | FAST   |
|             | 106-8427 | x1   |
|             | 106-7661 | x2   |
|             | 106-9789 | x3   |
| 6           |          | Computer Bezel (Old Style)   |
|             |          | Standard   |
|             | 230-0489 | x1, x3 (1), x5 (1)   |
|             | 210-8175 | x2, x3 (1), x4 (2), x5 (2), x6 (3)   |
|             |          | KFC  |
|             | 230-5478 | x1, x3 (1), x5 (1)   |
|             | 230-5477 | x2, x3 (1), x4 (2), x5 (2), x6 (3)   |
|             |          | K3000  |
|             | 230-7720 | x1, x3 (1), x5 (1)   |
|             | 230-7721 | x2, x3 (1), x4 (2), x5 (2), x6 (3)   |
|             | 230-4771 | With Switch Cut-out (1 per wand connection for Church's/Popeye's)                    |
| 7           |          | Computer Bezel (New Unified Style)   |
|             |          | Standard   |
|             | 260-0406 | x1,  |
|             | 260-0460 | x2, x4 (2), x5 (2),  |
|             | 260-0502 | x3, x5 (1), x6 (3)   |
|             | 260-0508 | x1, (With Switch Cut-out on right for Church's/Popeye's)                             |
|             | 260-0510 | x2, x4 (2), x5 (2), (With Switch Cut-out on right for Church's/Popeye's)             |
|             | 260-0512 | x3, x5 (1), x6 (3) (With Switch Cut-out on right for Church's/Popeye's)              |
|             | 260-0507 | x1, (With Switch Cut-out on Left)  |
|             | 260-0587 | x1, Spreader Blank   |
|             |          | <b>KFC (FAST or F3000)</b>   |
|             | 230-5480 | x1, x2 (2), x3 (3), x4 (4), x5 (5), x6 (6)   |
|             |          | 3000 or KFC K3000  |
|             | 260-0410 | x1,  |
|             | 260-0430 | x2, x4 (2), x5 (2),  |
|             | 260-0503 | x3, x5 (1), x6 (3)   |
|             | 260-0509 | x1, (With Switch Cut-out on right for Church's/Popeye's)                             |
|             | 260-0511 | x2, x4 (2), x5 (2), (With Switch Cut-out on right for Church's/Popeye's)             |
|             | 260-0513 | x3, x5 (1), x6 (3) (With Switch Cut-out on right for Church's/Popeye's)              |
|             | 106-4309 | Door, Left or Right (Left shown – move handle to opposite side for Right) - Standard |
|             | 106-8511 | Door, Left or Right (Left shown – move handle to opposite side for Right) - KFC      |
| 8           | 210-8075 | Panel, Door (use 230-3730 for KFC)   |
| 9           | 200-8076 | Panel, Liner   |
| 10          | 106-4067 | Pin Assembly   |
| 11          | 810-0275 | Spring, Door Hinge/Pin   |
| 12          | 210-8077 | Handle (use 810-3335 for KFC)  |
| 13          | 810-2346 | Magnet   |
| * Not illus |          |  |

## 2.2.1 Back Panels, Tilt Housings, Top Caps, and Doors (cont.)

\* Not illustrated.



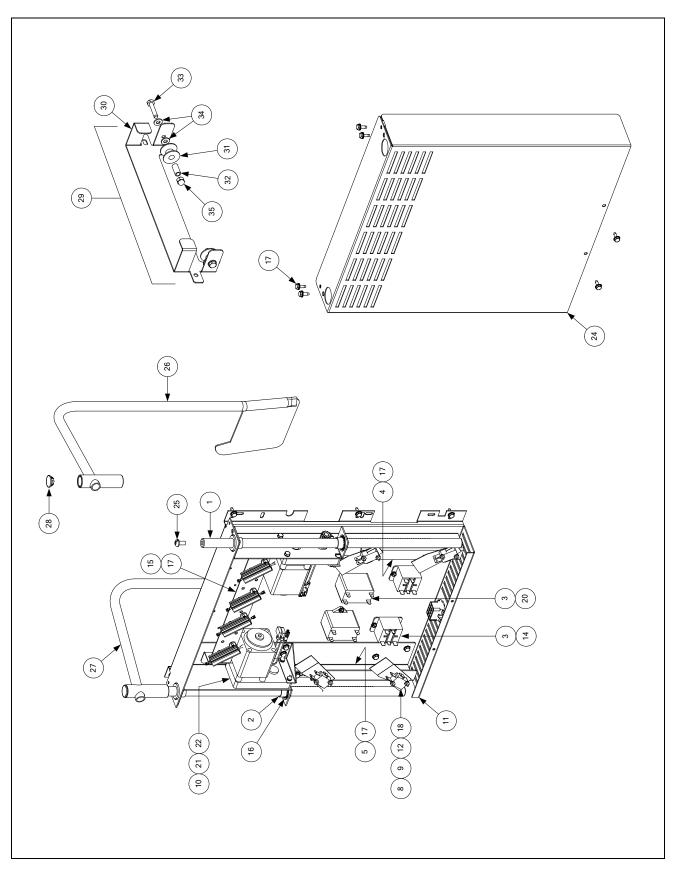
#### 2.2.2 Cabinets, Bases, Braces, and Associated Parts

Three-vat unit shown here.

| ITEM | PART #   | COMPONENT                      |
|------|----------|--------------------------------|
| 1    |          | Base Assembly                  |
|      | 106-8224 | x1, Filter Cabinet             |
|      | 106-6534 | x2, Filter Cabinet             |
|      | 106-5622 | x3, Filter Cabinet             |
|      | 106-4424 | x4, Filter Cabinet             |
|      | 106-5622 | x5, Filter Cabinet             |
|      | 106-5622 | x6, Filter Cabinet             |
|      | 106-6643 | x1, Non-filter Cabinet         |
|      | 106-6436 | x2, Non-filter Cabinet         |
|      | 106-9425 | x3, Non-filter Cabinet         |
| 2    |          | Oil Return Manifold            |
|      | 810-3118 | x2, x5 (1)                     |
|      | 810-3121 | x3, x5 (1), x6 (2)             |
|      | 810-3120 | x4                             |
| 3    | 220-2082 | Strap, Manifold Brace (x2, x3) |

## 2.2.2 Cabinets, Bases, Braces, and Associated Parts cont.

| ITEM | PART #   | COMPONENT   |
|------|----------|---|
|      |          | Cabinet Sides   |
| 4    | 231-4896 | Side, Stainless Steel, Left                                 |
| 5    | 232-4896 | Side, Stainless Steel, Right                                |
|      | 221-5073 | Side, Painted, Left   |
|      | 222-5073 | Side, Painted, Right  |
|      | 221-5170 | Side, Inner, Left (x5 and x6 units)                         |
|      | 222-5170 | Side, Inner, Right (x5 and x6 units)                        |
| 6    | 220-5983 | Divider (multi-vat units)                                   |
|      |          | Post  |
| 7    | 220-5112 | Front (all x2, x4, x5, x6 units and x3 filter cabinet)      |
| 8    | 220-2250 | Front (x3 non-filter cabinet)                               |
| 9    | 220-5032 | Rear, Standard  |
| *    | 220-5210 | Rear, Church's/Popeye's                                     |
| 10   | 220-4937 | Brace, Frypot Locating                                      |
| *    | 220-5979 | Brace, Pump Motor Support                                   |
| *    | 220-5490 | Mount, Contactor Box (x1)                                   |
| 11   | 220-4860 | Bracket, Lower Spring                                       |
| 12   |          | Brace, Upper Cabinet, Front                                 |
|      | 220-0274 | x1  |
|      | 200-9590 | x2, x5 (1)  |
| _    | 220-0608 | x3, x5 (1), x6 (2)  |
|      |          | x4  |
| 13   |          | Brace, Upper Cabinet, Rear                                  |
|      | 220-0274 | x1  |
|      | 220-1809 | x2, x3, x4, x5, x6  |
| 14   |          | Brace, Lower Cabinet, Front                                 |
|      | 220-5267 | x1  |
|      | 220-4999 | x2, x3 (1), x5 (1)  |
|      | 200-8100 | x3 (1), x4 (2), x5 (3), x6 (4)                              |
|      |          | Brace, Lower Cabinet, Rear                                  |
| _    | 220-4570 | x2  |
| 1 -  | 220-4569 | x3  |
| 15   | 824-1966 | Bridge, Filter  |
| 16   | 001.0555 | Filter Pan Lid (see next section)                           |
| 17   | 221-2576 | Rail, Left  |
| 18   | 222-2576 | Rail, Right   |
| 19   | 823-3347 | Frame, Slide Base   |
| 20   | 823-6450 | Bracket, Disconnect   |
| *    | 826-1115 | Leg Assembly (includes 810-3168)                            |
| *    | 826-1118 | Caster Assembly with Brake (includes 810-0357)              |
| *    | 826-1117 | Caster Assembly without Brake (includes 810-0356)           |
| *    | 826-0900 | Chain Restraint Kit (required for all caster installations) |

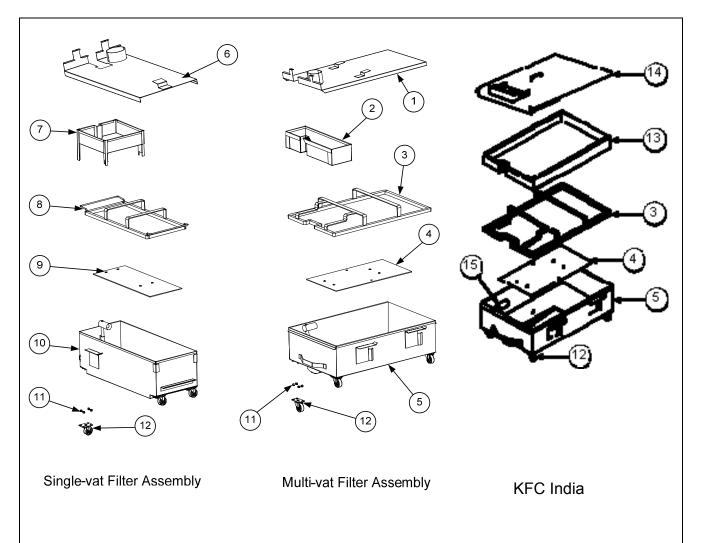


## 2.2.3 Basket Lift Assembly and Associated Parts

# 2.2.3 Basket Lift Assembly and Associated Parts (cont.)

| 106-3775         Basket Lift Assembly, 208-220VAC           106-4147         Basket Lift Assembly, 208-220VAC           1         810-1012         Rod, Basket Lift Assembly, 208-220VAC           2         813-0035         Bushing, Bronze           3         807-2513         Capacitor, 12.5 µFard 330VAC           4         901-8499         Chassis, Left Basket Lift           5         902-8499         Chassis, Left Basket Lift           6         807-0159         Connector, 12-Pin Female           7         900-5529         Gusset, Basket Lift Motor           8         812-0442         Insulation, Microswitch           9         807-2572         Microswitch           10         806-5964SP         Motor Assembly, 208-240VAC Modular Basket Lift           11         200-6455         Mout, Modular Basket Lift           12         826-1366         Nut, 4-40 Hex Keps (Pkg. of 25)           13         809-0247         Nut, 3-32 Hex Keps           106-2770SP         208-220VAC Modular Basket Lift           106-2770SP         202-200VAC Modular Basket Lift           106-2770SP         202-50VAC Modular Basket Lift           106-2770SP         202-50VAC Modular Basket Lift           17         826-1361         Scr  | ITEM | PART #     | COMPONENT   |
|---|------|------------|---|
| 106-4147         Basket Lift Assembly, 208-220VAC           1         810-1012         Rod, Basket Lift           2         813-0035         Bushing, Bronze           3         807-2513         Capacitor, 12.5 µFarad 330VAC           4         901-8499         Chassis, Left Basket Lift           5         902-8499         Chassis, Right Basket Lift           6         807-0159         Connector, 12-Pin Female           7         900-5529         Gusset, Basket Lift Motor           8         812-0442         Insulation, Microswitch           9         807-2572         Microswitch           10         806-5964SP         Motor Assembly, 208-240VAC Modular Basket Lift           11         200-6455         Mount, Modular Basket Lift           12         282-61366         Nut, 4-40 Hex Keps (Pkg. of 25)           13         809-0247         Nut, 8-32 Hex Keps           806-8350SP         100-120VAC Modular Basket Lift           106-2771SP         230-250VAC Modular Basket Lift           106-2771SP         230-250VAC Modular Basket Lift           11         826-1361         Screw, #10 X ½-inch Hex Washer Head (Pkg. of 25)           18         826-1379         Screw, #410 X ½-inch Hex Head (Pkg. of 25) <t< td=""><td></td><td></td><td></td></t<>  |      |            |   |
| 106-4148         Basket Lift Assembly, 230-240VAC           1         810-1012         Rod, Basket Lift           2         813-0035         Bushing, Brozz           3         807-2513         Capacitor, 12.5 µFarad 330VAC           4         901-8499         Chassis, Left Basket Lift           6         807-0159         Connector, 12-Pin Female           7         900-5529         Gusset, Basket Lift Motor           8         812-0442         Insulation, Microswitch           9         807-2572         Microswitch           10         806-5964SP         Motor Assembly, 208-240VAC Modular Basket Lift           11         200-6455         Mount, Modular Basket Lift           12         826-1366         Nut, 4-40 Hex Keps (Pkg. of 25)           13         809-0247         Nut, 8-32 Hex Keps           14         807-1683         Relay, 12VDC           8         Relay, 12VDC         Resistor Assembly           106-2770SP         20-250VAC Modular Basket Lift           106-2771SP         20-250VAC Modular Basket Lift           126         809-082         Screw, #10 X ½-inch Hex Washer Head (Pkg. of 25)           18         826-1361         Screw, #32 X ½-inch Stoted Round Head (Pkg. of 25) <td< td=""><td></td><td></td><td></td></td<>  |      |            |   |
| 1       810-1012       Rod, Basket Lift         2       813-0035       Bushing, Bronze         3       807-2513       Capacitor, 12.5 µFarad 330VAC         4       901-8499       Chassis, Left Basket Lift         5       902-8499       Chassis, Left Basket Lift         6       807-0159       Connector, 12-Pin Female         7       900-5529       Gusset, Basket Lift Motor         11       200-6455       Motor Assembly, 208-240VAC Modular Basket Lift         10       806-5964SP       Motor Assembly, 208-240VAC Modular Basket Lift         11       200-6455       Mount, Modular Basket Lift         12       826-1366       Nut, 4-40 Hex Keps (Pkg. of 25)         13       809-0247       Nut, 8-32 Hex Keps         14       807-1683       Relay, 12VDC         15 <b>Resistor Assembly</b> 203-220VAC Modular Basket Lift         106-2771SP       203-220VAC Modular Basket Lift       106-275)         16       809-0082       Ring, Bushing Retainer       Strew, #10 X ½-inch Hex Washer Head (Pkg. of 25)         18       826-1359       Screw, #32 X ½-inch Botted Truss Head (Pkg. of 25)       Screw, #32 X ½-inch Hex Head         21       809-0503       Screw, #32 X ½-inch Botted Round Head       Mic 205     <   |      |            | •   |
| 2 $813-0035$ Bushing, Bronze         3 $807-2513$ Capacitor, 12.5 µFarad 330VAC         4 $901-8499$ Chassis, Left Basket Lift         5 $902-8499$ Chassis, Right Basket Lift         6 $807-0159$ Connector, 12-Pin Female         7 $900-5529$ Gusset, Basket Lift Motor         8 $812-0442$ Insulation, Microswitch         9 $807-2572$ Microswitch         10 $806-59648P$ Mount, Modular Basket Lift         11 $200-6455$ Mount, Modular Basket Lift         12 $826-1366$ Nut, 4-40 Hex Keps (Pkg, of 25)         13 $809-0247$ Nut, 8-32 Hex Keps         Relay, 12VDC       Resistor Assembly       100-120VAC Modular Basket Lift         106-2771SP $230-250VAC$ Modular Basket Lift       20-250VAC Modular Basket Lift         106-2771SP $230-250VAC$ Modular Basket Lift       25)         18 $826-1374$ Screw, #10 X ½-inch Hex Washer Head (Pkg, of 25)         19 $826-1361$ Screw, $8-32 X ½-inch Slotted Truss Head (Pkg, of 25)         20       826-1371       Screw, 8-32 X ½-inch Slotted Truss Head (Pkg, of 25)         21       809-015$  | 1    |            | •   |
| 3       807-2513       Capacitor, 12.5 µFarad 330VAC         4       901-8499       Chassis, Left Basket Lift         6       807-0159       Connector, 12-Pin Female         7       900-5529       Gusset, Basket Lift Motor         8       812-0442       Insulation, Microswitch         9       807-2572       Microswitch         9       807-2572       Microswitch         10       806-5964SP       Motor Assembly, 208-240VAC Modular Basket Lift         11       200-6455       Mount, Modular Basket Lift         12       826-1366       Nut, 4-40 Hex Keps (Pkg. of 25)         13       809-0247       Nut, 8-32 Hex Keps         14       807-1683       Relay, 12VDC         15       Resistor Assembly       100-120VAC Modular Basket Lift         16       809-0082       Ring, Bushing Retainer       100-120VAC Modular Basket Lift         16       809-0082       Screw, #10 X ½-inch Hex Washer Head (Pkg. of 25)       12         17       826-1359       Screw, #32 X ½-inch Dited Truss Head (Pkg. of 25)         20       826-1371       Screw, #32 X ½-inch Dited Truss Head (Pkg. of 25)         21       809-0503       Screw, 8-32 X ½-inch Dited Round Head         22       809-0166       Wa  |      |            |   |
| 4       901-8499       Chassis, Left Basket Lift         5       902-8499       Chassis, Right Basket Lift         6       807-0159       Connector, 12-Pin Female         7       900-5529       Gusset, Basket Lift Motor         8       812-0442       Insulation, Microswitch         9       807-2572       Microswitch         10       806-5964SP       Motor Assembly, 208-240VAC Modular Basket Lift         11       200-6455       Mount, Modular Basket Lift         12       826-1366       Nut, 4-40 Hex Keps (Pkg. of 25)         13       809-0247       Nut, 8-32 Hex Keps         14       807-1683       Relay, 12VDC         Resistor Assembly         106-2770SP       208-220VAC Modular Basket Lift         106-2771SP       208-220VAC Modular Basket Lift         106-2771SP       208-220VAC Modular Basket Lift         106-2771SP       20-250VAC Modular Basket Lift         118       826-1359       Screw, 440 X ½-inch Hex Washer Head (Pkg. of 25)         20       826-1361       Screw, 8-32 X ½-inch Botted Truss Head (Pkg. of 25)         21       809-0503       Screw, 8-32 X ½-inch Slotted Round Head         22       809-0127       Screw, %-20 X ½-inch Slotted Round Head  |      |            |   |
| 5       902-8499       Chassis, Right Basket Lift         6       807-0159       Connector, 12-Pin Female         7       900-5529       Gusset, Basket Lift Motor         8       812-0442       Insulation, Microswitch         9       807-2572       Microswitch         10       806-5964SP       Motor Assembly, 208-240VAC Modular Basket Lift         11       200-6455       Mount, Modular Basket Lift         12       826-1366       Nut, 4-40 Hex Keps (Pkg. of 25)         13       809-0247       Nut, 8-32 Hex Keps         14       807-1683       Relay, 12VDC         15       Reistor Assembly       100-120VAC Modular Basket Lift         106-2770SP       208-220VAC Modular Basket Lift       106-2771SP         106-2771SP       230-250VAC Modular Basket Lift       230-250         16       809-0082       Ring, Bushing Retainer       17         17       826-1374       Screw, $4-40 X 4$ -inch Slotted Round Head (Pkg. of 25)       25         20       826-1361       Screw, 8-32 X 1-inch Slotted Truss Head (Pkg. of 25)       21         21       809-0503       Screw, 8-32 X ½-inch Hex Head       Wkg. of 25)         22       809-0137       Screw, *32 X ½-inch Hex Head       Kg. of 25)   |      |            |   |
|   |      |            |   |
| 7       900-5529       Gusset, Basket Lift Motor         8       812-0442       Insulation, Microswitch         9       807-2572       Microswitch         10       806-5964SP       Motor Assembly, 208-240VAC Modular Basket Lift         11       200-6455       Mount, Modular Basket Lift         12       826-1366       Nut, 4-40 Hex Keps (Pkg. of 25)         13       809-0247       Nut, 8-32 Hex Keps         14       807-1683       Relay, 12VDC         15 <b>Resistor Assembly</b> 100-120VAC Modular Basket Lift         106-2771SP       208-220VAC Modular Basket Lift         106-2771SP       230-250VAC Modular Basket Lift         106-2771SP       230-250VAC Modular Basket Lift         17       826-1359       Screw, #10 X ½-inch Hex Washer Head (Pkg. of 25)         18       826-1359       Screw, #40 X ½-inch Slotted Truss Head (Pkg. of 25)         20       826-1371       Screw, 8-32 X 1-inch Slotted Truss Head (Pkg. of 25)         21       809-0186       Washer, #8 Lock         23       WIR-0166SP       Wire Bundle, 200-250VAC Basket Lift w/Relay         24       200-6454       Cover, Modular Basket Lift         25       809-0127       Screw, $4-20 X Y-inch Slotted Round Head         $   |      |            |   |
| 8       812-0442       Insulation, Microswitch         9       807-2572       Microswitch         10       806-5964SP       Motor Assembly, 208-240VAC Modular Basket Lift         11       200-6455       Mount, Modular Basket Lift         12       826-1366       Nut, 4-40 Hex Keps (Pkg. of 25)         13       809-0247       Nut, 8-32 Hex Keps         14       807-1683       Relay, 12VDC         15 <b>Resistor Assembly</b> 100-120VAC Modular Basket Lift         106-2770SP       208-220VAC Modular Basket Lift       20-250VAC Modular Basket Lift         106-2770SP       208-20VAC Modular Basket Lift       20-250VAC Modular Basket Lift         117       826-1374       Screw, 410 X ½-inch Hex Washer Head (Pkg. of 25)         18       826-1361       Screw, 48.3 X ½-inch Drill Point Hex Head (Pkg. of 25)         20       826-1371       Screw, 8-32 X ½-inch Hox Head         21       809-0186       Washer, #8 Lock         23       WIR-0166SP       Wire Bundle, 200-250VAC Basket Lift w/Relay         24       200-6454       Cover, Modular Basket Lift         23       810-0179       Screw, 4-20 X ½-inch Slotted Round Head         26       823-7188       Bracket Lift Roller         31       810-0174<  |      |            |   |
| 9 $807-2572$<br>$806-5964SP$<br>11Microswitch<br>Motor Assembly, 208-240VAC Modular Basket Lift<br>Mount, Modular Basket Lift11 $200-6455$<br>$826-1366$<br>$111$ Mount, Modular Basket Lift<br>Mount, Modular Basket Lift12 $826-1366$<br>$809-0247$ Nut, $8-32$ Hex Keps<br>Relay, 12VDC14 $807-1683$<br>$806-8530SP$<br>$106-2770SP$<br>$106-2770SP$<br>$106-2771SP$<br>$106-2771SP$<br>$106-2771SP$<br>$106-2771SP$<br>$106-2700SP$<br>$230-250VAC Modular Basket Lift230-250VAC Modular Basket Lift106-2771SP230-250VAC Modular Basket Lift106-2711SP230-250VAC Modular Basket Lift106-2751SP230-250VAC Modular Basket Lift106-2551SP250260-826-1374260-90503267ew, 8-32 X 1-inch Slotted Truss Head (Pkg. of 25)21809-01503267ew, 8-32 X V_2-inch Hex Head809-01503267ew, 8-32 X V_2-inch Hex Head809-0127267ew, 140 X V_2-inch Mex116 Hasket Lift Relay27230-250VAC Basket Lift w/Relay27230-250VAC Basket Lift Roller230-250VAC Basket Lift Roller230-250VAC Basket Lift Roller31310-0194310-$  |      |            |   |
|   |      |            |   |
| $ \begin{array}{ c c c c c c c c c c c c c c c c c c c$   |      |            |   |
| 12 $826-1366$ Nut, $4-40$ Hex Keps (Pkg. of 25)13 $809-0247$ Nut, $8-32$ Hex Keps14 $807-1683$ Relay, 12VDC15 <b>Resistor Assembly</b> 16 $806-85308P$ $100-120VAC$ Modular Basket Lift166 $809-0082$ Ring, Bushing Retainer17 $826-1374$ Screw, $#10 X V_{2}$ -inch Hex Washer Head (Pkg. of 25)18 $826-1359$ Screw, $4-40 X V_{2}$ -inch Slotted Round Head (Pkg. of 25)19 $826-1361$ Screw, $8-32 X V_{2}$ -inch Hex Head (Pkg. of 25)20 $826-1371$ Screw, $8X Y_{2}$ -inch Drill Point Hex Head (Pkg. of 25)21 $809-0503$ Screw, $8-32 X V_{2}$ -inch Hex Head22 $809-0186$ Washer, $#8 Lock$ 23WIR-0166SPWire Bundle, 200-250VAC Basket Lift w/Relay24 $200-6454$ Cover, Modular Basket Lift25 $809-0127$ Screw, $V_{2}$ -inch Slotted Round Head26 $823-7994$ Arm, Left Basket Lift28 $810-0179$ Button, Plug29 $108-0617$ <b>Roller</b> Assembly, Basket Lift30 $823-7188$ Bracket, Basket Lift Roller31 $810-0194$ Roller, Basket Lift Roller33 $809-0508$ Bolt, $V-20 X 1V_{4}$ -Inch34 $809-0190$ Washer, $V_{4}$ -inch Flat35 $809-0900$ Nut, $V-20$ Crown Acorn* $824-1353$ Basket Lift36 $824-1353$ Basket Lift  | 11   | 200-6455   | · · · · · · · · · · · · · · · · · · ·   |
| 13809-0247<br>14Nut, 8-32 Hex Keps<br>Relay, 12VDC15Nut, 8-32 Hex Keps<br>Relay, 12VDC15Relay, 12VDC<br>Resistor Assembly16806-8530SP<br>106-2770SP<br>106-2771SP100-120VAC Modular Basket Lift<br>208-220VAC Modular Basket Lift16809-0082<br>826-1374Ring, Bushing Retainer<br>Screw, #10 X ½-inch Hex Washer Head (Pkg. of 25)<br>Screw, 4-40 X ¾-inch Slotted Round Head (Pkg. of 25)19826-1361<br>826-1361Screw, 8-32 X 1-inch Slotted Truss Head (Pkg. of 25)<br>Screw, 8-32 X ½-inch Hex Head20826-1361<br>809-0503Screw, 8-32 X ½-inch Hex Head21809-0503<br>Screw, 8-32 X ½-inch Hex Head24200-6454<br>Screw, 8-32 X ½-inch Slotted Round Head25809-0127<br>Screw, 4-20 X ½-inch Slotted Round Head26823-7993<br>Strew, ¼-20 X ½-inch Slotted Round Head27823-7994<br>Strew, ¼-20 X ½-inch Slotted Round Head28810-0179<br>Sutre, 12429108-0617<br>Strew, ½-20 X ½-inch Slotted Round Head30823-7188<br>Stacer, Basket Lift<br>Bracket, Basket Lift<br>Spacer, Basket Lift Roller31810-0174<br>Spacer, Basket Lift Roller33809-0508<br>S01, ¼-20 X 1¼-Inch<br>Washer, ¼-inch Flat<br>*<br>\$809-019034809-0190<br>Washer, ¼-inch Flat<br>*<br>\$824-135335809-0900<br>S01, ¼-20 Crown Acorn*824-135335Basket Lift Drip Weldment, Right   |      |            |   |
| 14807-1683Relay, 12VDC15Resistor Assembly16806-8530SP100-120VAC Modular Basket Lift106-2770SP228-220VAC Modular Basket Lift16809-0082Ring, Bushing Retainer17826-1374Screw, $410 X \frac{1}{2}$ -inch Hex Washer Head (Pkg. of 25)18826-1359Screw, $4-40 X \frac{1}{4}$ -inch Slotted Round Head (Pkg. of 25)19826-1361Screw, $8-32 X 1$ -inch Slotted Truss Head (Pkg. of 25)20826-1371Screw, $8-32 X \frac{1}{2}$ -inch Hex Head22809-0503Screw, $8-32 X \frac{1}{2}$ -inch Hex Head23WIR-0166SPWire Bundle, 200-250VAC Basket Lift w/Relay24200-6454Cover, Modular Basket Lift Rear25809-0127Screw, $\frac{1}{4}-20 X \frac{1}{2}$ -inch Slotted Round Head26823-7993Arm, Left Basket Lift27823-7188Bracket, Basket Lift30823-7188Bracket, Lift Roller31810-0179Button, Plug29108-0517Spacer, Basket Lift33809-0508Bolt, $\frac{1}{2}-20 X \frac{1}{2}$ -inch34809-0190Washer, $\frac{1}{2}$ -100 Masher, $\frac{1}{$ |      |            |   |
| 15Resistor Assembly10806-8530SP100-120VAC Modular Basket Lift106-2770SP208-220VAC Modular Basket Lift106-2771SP203-250VAC Modular Basket Lift16809-0082Ring, Bushing Retainer17826-1374Screw, $\#10 X ½$ -inch Hex Washer Head (Pkg. of 25)18826-1359Screw, $\#10 X ½$ -inch Slotted Round Head (Pkg. of 25)20826-1371Screw, $\#3 X ½$ -inch Drill Point Hex Head (Pkg. of 25)20826-1371Screw, $\#3 X ½$ -inch Drill Point Hex Head (Pkg. of 25)21809-0503Screw, $\#3 Lock$ 23WIR-0166SPWire Bundle, 200-250VAC Basket Lift w/Relay24200-6454Cover, Modular Basket Lift Rear25809-0127Screw, $¼-20 X ½$ -inch Slotted Round Head26823-7993Arm, Left Basket Lift27823-7994Arm, Right Basket Lift28810-0179Button, Plug29108-0617Roller Assembly, Basket Lift30823-7188Bracket, Basket Lift Roller31810-0194Roller, Basket Lift Roller33809-0508Bolt, $¼-20 X 1¼$ -Inch34809-0190Washer, $¼$ -inch Flat35809-09090Nut, $¼-20 Crown Acorn$ *108-2649Wiring Hamess, Basket Lift*824-1353Basket Lift Drip Weldment, Right  | 14   | 807-1683   | · •   |
| 106-2770SP<br>106-2771SP208-220VAC Modular Basket Lift<br>230-250VAC Modular Basket Lift16 $809-0082$ Ring, Bushing Retainer17 $826-1374$ Screw, $\#10 X \frac{1}{2}$ -inch Hex Washer Head (Pkg. of 25)18 $826-1359$ Screw, $4-40 X \frac{3}{4}$ -inch Slotted Round Head (Pkg. of 25)19 $826-1361$ Screw, $8-32 X 1$ -inch Slotted Truss Head (Pkg. of 25)20 $826-1371$ Screw, $\#3 X \frac{1}{2}$ -inch Drill Point Hex Head (Pkg. of 25)21 $809-0503$ Screw, $8-32 X \frac{1}{2}$ -inch Hex Head22 $809-0186$ Washer, $\#8 Lock$ 23WIR-0166SPWire Bundle, 200-250VAC Basket Lift w/Relay24 $200-6454$ Cover, Modular Basket Lift Rear25 $809-0127$ Screw, $\frac{1}{2}-20 X \frac{1}{2}$ -inch Slotted Round Head26 $823-7993$ Arm, Left Basket Lift28 $810-0179$ Button, Plug29 $108-0617$ Roller Assembly, Basket Lift30 $823-7188$ Bracket, Basket Lift Roller31 $810-0194$ Roller, Basket Lift Roller33 $809-0508$ Bolt, $\frac{1}{2}-20 Crown Acorn$ 34 $809-0190$ Washer, $\frac{1}{2}-10ch$ 35 $809-0900$ Nut, $\frac{1}{2}-20 Crown Acorn$ * $108-2649$ Wiring Hamess, Basket Lift  |      |            |   |
| 106-2771SP230-250VAC Modular Basket Lift16 $809-0082$ Ring, Bushing Retainer17 $826-1374$ Screw, #10 X ½-inch Hex Washer Head (Pkg. of 25)18 $826-1359$ Screw, $4-40$ X ¼-inch Slotted Round Head (Pkg. of 25)19 $826-1361$ Screw, $8-32$ X 1-inch Slotted Truss Head (Pkg. of 25)20 $826-1371$ Screw, $8-32$ X ½-inch Hex Head21 $809-0503$ Screw, $8-32$ X ½-inch Hex Head22 $809-0186$ Washer, #8 Lock23WIR-0166SPWire Bundle, 200-250VAC Basket Lift w/Relay24 $200-6454$ Cover, Modular Basket Lift Rear25 $809-0127$ Screw, $4-20$ X ½-inch Slotted Round Head26 $823-7993$ Arm, Left Basket Lift27 $823-7994$ Arm, Right Basket Lift28 $810-0179$ Button, Plug29 $108-0617$ Roller Assembly, Basket Lift30 $823-7188$ Bracket, Basket Lift Roller31 $810-0194$ Roller, Basket Lift Roller33 $809-0508$ Bolt, '4-20 X 1'4 -Inch34 $809-0190$ Washer, '4-inch Flat35 $809-0990$ Nut, '4-20 Crown Acorn* $108-2649$ Wiring Harness, Basket Lift* $824-1353$ Basket Lift Drip Weldment, Right  |      | 806-8530SP | •   |
| 16 $809-0082$ Ring, Bushing Retainer17 $826-1374$ Screw, $\#10 X \frac{1}{2}$ -inch Hex Washer Head (Pkg. of 25)18 $826-1359$ Screw, $4-40 X \frac{1}{2}$ -inch Slotted Round Head (Pkg. of 25)19 $826-1361$ Screw, $8-32 X 1$ -inch Slotted Truss Head (Pkg. of 25)20 $826-1371$ Screw, $\#8 X \frac{1}{2}$ -inch Drill Point Hex Head (Pkg. of 25)21 $809-0503$ Screw, $8-32 X \frac{1}{2}$ -inch Hex Head22 $809-0186$ Washer, $\#8 Lock$ 23WIR-0166SPWire Bundle, 200-250VAC Basket Lift w/Relay24200-6454Cover, Modular Basket Lift Rear25 $809-0127$ Screw, $\frac{1}{4}-20 X \frac{1}{2}$ -inch Slotted Round Head26 $823-7993$ Arm, Left Basket Lift28 $810-0179$ Button, Plug29 $108-0617$ <b>Roller Assembly, Basket Lift</b> 30 $823-7188$ Bracket, Basket Lift Roller31 $810-0194$ Roller, Basket Lift Roller33 $809-0508$ Bolt, $\frac{1}{2}-20 X \frac{1}{4}$ -Inch34 $809-0190$ Washer, $\frac{1}{4}$ -inch Flat35 $809-0900$ Nut, $\frac{1}{4}-20$ Crown Acorn* $108-2649$ Wiring Harness, Basket Lift* $8asket Lift Drip Weldment, Right$  |      | 106-2770SP | 208-220VAC Modular Basket Lift  |
| 17826-1374Screw, #10 X ½-inch Hex Washer Head (Pkg. of 25)18826-1359Screw, $4.40 X 3/4$ -inch Slotted Round Head (Pkg. of 25)19826-1361Screw, $8-32 X 1$ -inch Slotted Truss Head (Pkg. of 25)20826-1371Screw, $8X 3/2$ -inch Drill Point Hex Head (Pkg. of 25)21809-0503Screw, $8-32 X 1/2$ -inch Hex Head22809-0186Washer, $48 Lock$ 23WIR-0166SPWire Bundle, 200-250VAC Basket Lift w/Relay24200-6454Cover, Modular Basket Lift Rear25809-0127Screw, $1/2 X 1/2$ -inch Slotted Round Head26823-7993Arm, Left Basket Lift27823-7994Arm, Right Basket Lift28810-0179Button, Plug29108-0617Roller Assembly, Basket Lift30823-7188Bracket, Basket Lift Roller31810-0194Roller, Basket Lift Roller33809-0508Bolt, $1/2-20 X 1/4$ -Inch34809-0190Washer, $1/4-20$ Crown Acorn*108-2649Wiring Harness, Basket Lift*824-1353Basket Lift Drip Weldment, Right   |      | 106-2771SP | 230-250VAC Modular Basket Lift  |
| 18826-1359Screw, 4-40 X $\frac{3}{4}$ -inch Slotted Round Head (Pkg. of 25)19826-1361Screw, 8-32 X 1-inch Slotted Truss Head (Pkg. of 25)20826-1371Screw, #8 X $\frac{1}{2}$ -inch Drill Point Hex Head (Pkg. of 25)21809-0503Screw, 8-32 X $\frac{1}{2}$ -inch Hex Head22809-0186Washer, #8 Lock23WIR-0166SPWire Bundle, 200-250VAC Basket Lift w/Relay24200-6454Cover, Modular Basket Lift Rear25809-0127Screw, $\frac{1}{4}$ -20 X $\frac{1}{2}$ -inch Slotted Round Head26823-7993Arm, Left Basket Lift27823-7994Arm, Right Basket Lift28810-0179Button, Plug29108-0617Boler Assembly, Basket Lift30823-7188Bracket, Basket Lift Roller31810-0194Roller, Basket Lift Roller33809-0508Bolt, $\frac{1}{4}$ -20 X $\frac{1}{4}$ -Inch34809-0190Washer, $\frac{1}{4}$ -inch Flat35809-0990Nut, $\frac{1}{4}$ -20 Crown Acorn*108-2649Wiring Harness, Basket Lift*824-1353Basket Lift Drip Weldment, Right   | 16   | 809-0082   | Ring, Bushing Retainer  |
| 19 $826-1361$ Screw, $8-32 X 1$ -inch Slotted Truss Head (Pkg. of 25)20 $826-1371$ Screw, $\#8 X \frac{1}{2}$ -inch Drill Point Hex Head (Pkg. of 25)21 $809-0503$ Screw, $8-32 X \frac{1}{2}$ -inch Hex Head22 $809-0186$ Washer, $\#8 Lock$ 23WIR-0166SPWire Bundle, 200-250VAC Basket Lift w/Relay24 $200-6454$ Cover, Modular Basket Lift Rear25 $809-0127$ Screw, $\frac{1}{4}-20 X \frac{1}{2}$ -inch Slotted Round Head26 $823-7993$ Arm, Left Basket Lift27 $823-7994$ Arm, Right Basket Lift28 $810-0179$ Button, Plug29 $108-0617$ Roller Assembly, Basket Lift30 $823-7188$ Bracket, Basket Lift Roller31 $810-0194$ Roller, Basket Lift Roller33 $809-0508$ Bolt, $\frac{1}{4}-20 X \frac{1}{4}$ -Inch34 $809-0190$ Washer, $\frac{1}{4}$ -inch Flat35 $809-0990$ Nut, $\frac{1}{4}-20$ Crown Acorn* $108-2649$ Wiring Harness, Basket Lift* $824-1353$ Basket Lift Drip Weldment, Right  | 17   | 826-1374   | Screw, #10 X <sup>1</sup> / <sub>2</sub> -inch Hex Washer Head (Pkg. of 25)                   |
| 20 $826-1371$ Screw, $\#8 X \frac{1}{2}$ -inch Drill Point Hex Head (Pkg. of 25)21 $809-0503$ Screw, $8-32 X \frac{1}{2}$ -inch Hex Head22 $809-0186$ Washer, $\#8 \text{ Lock}$ 23WIR-0166SPWire Bundle, 200-250VAC Basket Lift w/Relay24 $200-6454$ Cover, Modular Basket Lift Rear25 $809-0127$ Screw, $\frac{1}{4}-20 X \frac{1}{2}$ -inch Slotted Round Head26 $823-7993$ Arm, Left Basket Lift27 $823-7994$ Arm, Right Basket Lift28 $810-0179$ Button, Plug29 $108-0617$ Roller Assembly, Basket Lift30 $823-7188$ Bracket, Basket Lift Roller31 $810-0194$ Roller, Basket Lift Roller33 $809-0508$ Bolt, $\frac{1}{4}-20 X \frac{1}{4}$ -Inch34 $809-0190$ Washer, $\frac{1}{4}$ -inch Flat35 $809-0990$ Nut, $\frac{1}{4}-20$ Crown Acorn* $108-2649$ Wiring Harness, Basket Lift* $824-1353$ Basket Lift Drip Weldment, Right   | 18   | 826-1359   | Screw, 4-40 X <sup>3</sup> / <sub>4</sub> -inch Slotted Round Head (Pkg. of 25)               |
| 21 $809-0503$ Screw, $8-32 X \frac{1}{2}$ -inch Hex Head22 $809-0186$ Washer, #8 Lock23WIR-0166SPWire Bundle, 200-250VAC Basket Lift w/Relay24 $200-6454$ Cover, Modular Basket Lift Rear25 $809-0127$ Screw, $\frac{1}{4}-20 X \frac{1}{2}$ -inch Slotted Round Head26 $823-7993$ Arm, Left Basket Lift27 $823-7994$ Arm, Right Basket Lift28 $810-0179$ Button, Plug29 $108-0617$ Roller Assembly, Basket Lift30 $823-7188$ Bracket, Basket Lift Roller31 $810-0194$ Roller, Basket Lift Roller33 $809-0508$ Bolt, $\frac{1}{2}-20 X \frac{1}{4}$ -Inch34 $809-0190$ Washer, $\frac{1}{4}$ -inch Flat35 $809-0900$ Nut, $\frac{1}{4}-20$ Crown Acorn* $108-2649$ Wiring Harness, Basket Lift* $824-1353$ Basket Lift Drip Weldment, Right   | 19   | 826-1361   | Screw, 8-32 X 1-inch Slotted Truss Head (Pkg. of 25)  |
| 22       809-0186       Washer, #8 Lock         23       WIR-0166SP       Wire Bundle, 200-250VAC Basket Lift w/Relay         24       200-6454       Cover, Modular Basket Lift Rear         25       809-0127       Screw, ¼-20 X ½-inch Slotted Round Head         26       823-7993       Arm, Left Basket Lift         27       823-7994       Arm, Right Basket Lift         28       810-0179       Button, Plug         29       108-0617       Roller Assembly, Basket Lift         30       823-7188       Bracket, Basket Lift Roller         31       810-0194       Roller, Basket Lift Roller         31       810-0374       Spacer, Basket Lift Roller         33       809-0508       Bolt, ¼-20 X 1¼ -Inch         34       809-0190       Washer, ¼-inch Flat         35       809-0990       Nut, ¼-20 Crown Acorn         *       108-2649       Wiring Hamess, Basket Lift         *       824-1353       Basket Lift Drip Weldment, Right  | 20   | 826-1371   | Screw, #8 X <sup>1</sup> / <sub>2</sub> -inch Drill Point Hex Head (Pkg. of 25)               |
| 23WIR-0166SPWire Bundle, 200-250VAC Basket Lift w/Relay24200-6454Cover, Modular Basket Lift Rear25 $809-0127$ Screw, $\frac{1}{4}-20 \times \frac{1}{2}$ -inch Slotted Round Head26 $823-7993$ Arm, Left Basket Lift27 $823-7994$ Arm, Right Basket Lift28 $810-0179$ Button, Plug29 $108-0617$ Roller Assembly, Basket Lift30 $823-7188$ Bracket, Basket Lift Roller31 $810-0194$ Roller, Basket Lift Roller33 $809-0508$ Bolt, $\frac{1}{4}-20 \times 1\frac{1}{4}$ -Inch34 $809-0190$ Washer, $\frac{1}{4}$ -inch Flat35 $809-0990$ Nut, $\frac{1}{4}-20$ Crown Acorn* $108-2649$ Wiring Harness, Basket Lift* $824-1353$ Basket Lift Drip Weldment, Right   | 21   | 809-0503   | Screw, 8-32 X <sup>1</sup> / <sub>2</sub> -inch Hex Head                                      |
| 24200-6454Cover, Modular Basket Lift Rear25 $809-0127$ Screw, $\frac{1}{4}-20 \times \frac{1}{2}$ -inch Slotted Round Head26 $823-7993$ Arm, Left Basket Lift27 $823-7994$ Arm, Right Basket Lift28 $810-0179$ Button, Plug29 $108-0617$ Roller Assembly, Basket Lift30 $823-7188$ Bracket, Basket Lift Roller31 $810-0194$ Roller, Basket Lift Roller32 $810-0374$ Spacer, Basket Lift Roller33 $809-0508$ Bolt, $\frac{1}{4}-20 \times 1\frac{1}{4}$ -Inch34 $809-0190$ Washer, $\frac{1}{4}$ -inch Flat35 $809-0990$ Nut, $\frac{1}{4}-20$ Crown Acorn* $108-2649$ Wiring Hamess, Basket Lift* $824-1353$ Basket Lift Drip Weldment, Right   | 22   | 809-0186   | Washer, #8 Lock   |
| 25       809-0127       Screw, ¼-20 X ½-inch Slotted Round Head         26       823-7993       Arm, Left Basket Lift         27       823-7994       Arm, Right Basket Lift         28       810-0179       Button, Plug         29       108-0617       Roller Assembly, Basket Lift         30       823-7188       Bracket, Basket Lift Roller         31       810-0194       Roller, Basket Lift Roller         32       810-0374       Spacer, Basket Lift Roller         33       809-0508       Bolt, ¼-20 X 1¼ -Inch         34       809-0190       Washer, ¼-inch Flat         35       809-0990       Nut, ¼-20 Crown Acorn         *       108-2649       Wiring Harness, Basket Lift         *       824-1353       Basket Lift Drip Weldment, Right   | 23   | WIR-0166SP | Wire Bundle, 200-250VAC Basket Lift w/Relay   |
| 26       823-7993       Arm, Left Basket Lift         27       823-7994       Arm, Right Basket Lift         28       810-0179       Button, Plug         29       108-0617       Roller Assembly, Basket Lift         30       823-7188       Bracket, Basket Lift Roller         31       810-0194       Roller, Basket Lift Roller         32       810-0374       Spacer, Basket Lift Roller         33       809-0508       Bolt, ¼-20 X 1¼ -Inch         34       809-0190       Washer, ¼-inch Flat         35       809-0990       Nut, ¼-20 Crown Acorn         *       108-2649       Wiring Harness, Basket Lift         *       824-1353       Basket Lift Drip Weldment, Right   | 24   | 200-6454   | Cover, Modular Basket Lift Rear   |
| 27       823-7994       Arm, Right Basket Lift         28       810-0179       Button, Plug         29       108-0617       Roller Assembly, Basket Lift         30       823-7188       Bracket, Basket Lift Roller         31       810-0194       Roller, Basket Lift         32       810-0374       Spacer, Basket Lift Roller         33       809-0508       Bolt, ¼-20 X 1¼ -Inch         34       809-0190       Washer, ¼-inch Flat         35       809-0990       Nut, ¼-20 Crown Acorn         *       108-2649       Wiring Harness, Basket Lift         *       824-1353       Basket Lift Drip Weldment, Right  | 25   | 809-0127   | Screw, <sup>1</sup> / <sub>4</sub> -20 X <sup>1</sup> / <sub>2</sub> -inch Slotted Round Head |
| 28       810-0179       Button, Plug         29       108-0617       Roller Assembly, Basket Lift         30       823-7188       Bracket, Basket Lift Roller         31       810-0194       Roller, Basket Lift         32       810-0374       Spacer, Basket Lift Roller         33       809-0508       Bolt, ¼-20 X 1¼ -Inch         34       809-0190       Washer, ¼-inch Flat         35       809-0990       Nut, ¼-20 Crown Acorn         *       108-2649       Wiring Harness, Basket Lift         *       824-1353       Basket Lift Drip Weldment, Right   | 26   | 823-7993   | Arm, Left Basket Lift   |
| 29       108-0617       Roller Assembly, Basket Lift         30       823-7188       Bracket, Basket Lift Roller         31       810-0194       Roller, Basket Lift         32       810-0374       Spacer, Basket Lift Roller         33       809-0508       Bolt, ¼-20 X 1¼ -Inch         34       809-0190       Washer, ¼-inch Flat         35       809-0990       Nut, ¼-20 Crown Acorn         *       108-2649       Wiring Harness, Basket Lift         *       824-1353       Basket Lift Drip Weldment, Right  | 27   | 823-7994   | Arm, Right Basket Lift  |
| 30       823-7188       Bracket, Basket Lift Roller         31       810-0194       Roller, Basket Lift         32       810-0374       Spacer, Basket Lift Roller         33       809-0508       Bolt, ¼-20 X 1¼ -Inch         34       809-0190       Washer, ¼-inch Flat         35       809-0990       Nut, ¼-20 Crown Acorn         *       108-2649       Wiring Harness, Basket Lift         *       824-1353       Basket Lift Drip Weldment, Right   |      |            |   |
| 31       810-0194       Roller, Basket Lift         32       810-0374       Spacer, Basket Lift Roller         33       809-0508       Bolt, ¼-20 X 1¼ -Inch         34       809-0190       Washer, ¼-inch Flat         35       809-0990       Nut, ¼-20 Crown Acorn         *       108-2649       Wiring Harness, Basket Lift         *       824-1353       Basket Lift Drip Weldment, Right   | 29   | 108-0617   | Roller Assembly, Basket Lift  |
| 32       810-0374       Spacer, Basket Lift Roller         33       809-0508       Bolt, ¼-20 X 1¼ -Inch         34       809-0190       Washer, ¼-inch Flat         35       809-0990       Nut, ¼-20 Crown Acorn         *       108-2649       Wiring Harness, Basket Lift         *       824-1353       Basket Lift Drip Weldment, Right   |      | 823-7188   |   |
| 33       809-0508       Bolt, ¼-20 X 1¼ -Inch         34       809-0190       Washer, ¼-inch Flat         35       809-0990       Nut, ¼-20 Crown Acorn         *       108-2649       Wiring Harness, Basket Lift         *       824-1353       Basket Lift Drip Weldment, Right  |      |            | Roller, Basket Lift   |
| 34         809-0190         Washer, ¼-inch Flat           35         809-0990         Nut, ¼-20 Crown Acorn           *         108-2649         Wiring Harness, Basket Lift           *         824-1353         Basket Lift Drip Weldment, Right  |      |            | A ·   |
| 35         809-0990         Nut, ¼-20 Crown Acorn           *         108-2649         Wiring Harness, Basket Lift           *         824-1353         Basket Lift Drip Weldment, Right  |      |            |   |
| *108-2649Wiring Harness, Basket Lift*824-1353Basket Lift Drip Weldment, Right   |      |            |   |
| * 824-1353 Basket Lift Drip Weldment, Right   |      |            |   |
|   |      |            |   |
| * 024 1251 Dealest Life Drine Waldmant Life   |      |            |   |
| * 824-1351 Basket Lift Drip Weldment, Left  | *    | 824-1351   | Basket Lift Drip Weldment, Left   |

## 2.3.1 Filter Pan Assemblies

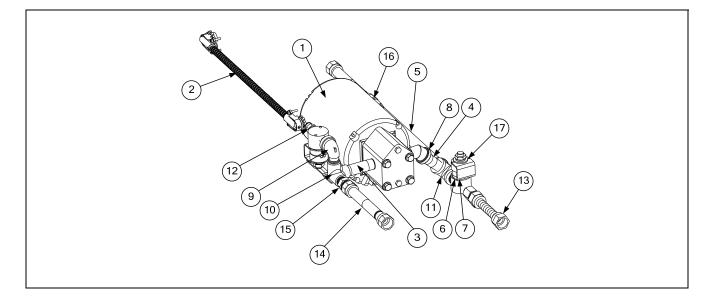


| ITEM | PART #     | COMPONENT                                     |
|------|------------|---|
|      | 106-7674SP | Filter Assembly, Multi-vat, Paper Filtration  |
| 1    | 823-6943   | Lid, Filter Pan                               |
| 2    | 823-6172   | Crumb Basket                                  |
| 3    | 810-3195   | Hold-down Ring                                |
| 4    | 106-7330   | Sana Grid                                     |
| 5    | 823-7534   | Filter Pan                                    |
|      | 108-0253   | Filter Assembly, Multi-vat, Screen Filtration |
| *    | 823-6466   | Crumb Basket                                  |
| *    | 810-2350   | Filter Screen/Leaf                            |
| *    | 823-7112   | Suction Tube                                  |
| *    | 810-2583   | Fitting, Bottom, Filter Screen/Leaf           |
| *    | 810-2582   | Fitting, Bulk Head, Filter Screen/Leaf        |
| *    | 823-7111   | Filter Pan                                    |

# 2.3.1 Filter Pan Assemblies (cont.)

| ITEM | PART #   | COMPONENT  |
|------|----------|--|
|      | 106-8398 | Filter Assembly, Single-vat, Paper Filtration                    |
| 6    | 823-6508 | Lid, Filter Pan  |
| 7    | 823-7386 | Crumb Basket   |
| 8    | 810-3328 | Hold-down Ring (use 812-2195 for use with 803-0173 filter paper) |
| 9    | 108-1029 | Sana Grid  |
| 10   | 823-7359 | Filter Pan   |
| 11   | 809-0823 | Nut  |
| 12   | 810-2805 | Caster   |
|      | 108-2428 | Filter Assembly, Multi-vat, Paper Filtration KFC India           |
| 13   | 823-7904 | Crumb Basket   |
| 14   | 823-8571 | Lid, Filter Pan  |
| 15   | 813-0568 | Pipe, Plug 1/8 NPT   |
| *    | 826-1979 | Roller Kit (includes 4 rollers, 4 nuts and 4 lock washers)       |

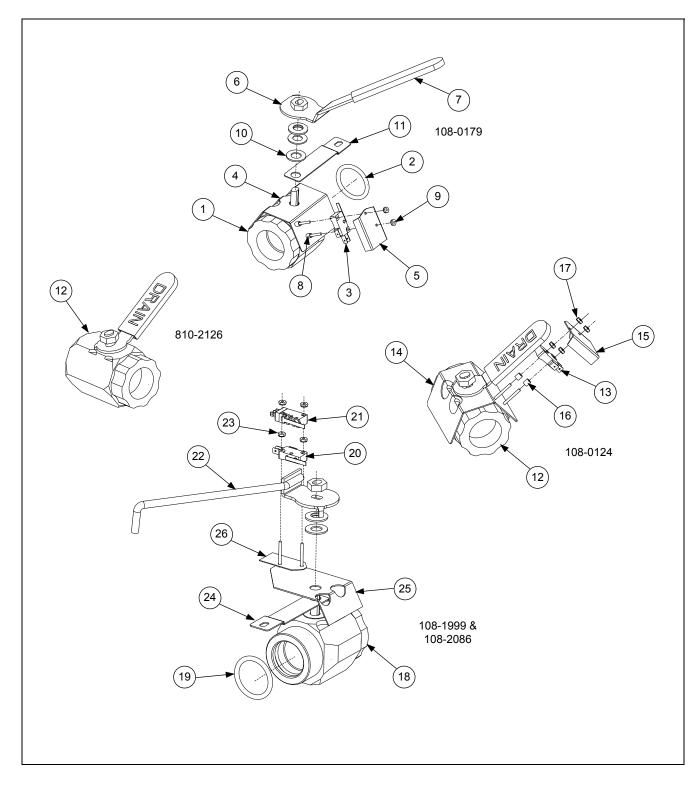
# 2.3.2 Filter Pump



| ITEM | PART #   | COMPONENT   |
|------|----------|---|
| 1    |          | Filter Pump Components  |
|      | 816-0093 | Pump Gasket   |
|      | 826-2789 | 8 GPM Pump  |
|      | 826-1264 | 4 GPM Pump  |
|      | 826-1712 | 120V Filter Motor, Gasket   |
|      | 826-1756 | 208V Filter Motor, Gasket   |
|      | 826-1270 | 220-240V Filter Motor, Gasket   |
|      | 809-1020 | Cap Screw to Connect Pump to Motor  |
| 2    | 106-9918 | Harness Assembly, Filter Pump   |
| 3    | 813-0265 | Nipple, <sup>1</sup> / <sub>2</sub> " x 2.5" NPT BM   |
| 4    | 813-0298 | Nipple, <sup>1</sup> / <sub>2</sub> " x 2.0" NPT BM   |
| 5    | 813-0698 | Nipple, <sup>1</sup> / <sub>2</sub> " x 10.5" NPT BM  |
| 6    | 813-0838 | Nipple, <sup>1</sup> / <sub>4</sub> " NPT BM, Close   |
| 7    | 813-0304 | Bushing, <sup>1</sup> / <sub>2</sub> " x <sup>1</sup> / <sub>4</sub> " BM, Flush                      |
| *    | 813-0763 | Bushing, <sup>3</sup> / <sub>4</sub> " OD x <sup>1</sup> / <sub>2</sub> " ID NPT, Flush               |
| *    | 813-0889 | Elbow, <sup>1</sup> / <sub>2</sub> ", 90°   |
| 8    | 813-0342 | Elbow, Street, 45°, <sup>1</sup> / <sub>2</sub> "NPT  |
| 9    | 813-0165 | Elbow, Street, <sup>1</sup> / <sub>2</sub> " x <sup>1</sup> / <sub>2</sub> " NPT, 90° BM              |
| 10   | 813-0331 | Elbow, Side Outlet, <sup>1</sup> / <sub>2</sub> " NPT   |
| 11   | 813-0003 | Tee, <sup>1</sup> / <sub>2</sub> " x <sup>1</sup> / <sub>2</sub> " x <sup>1</sup> / <sub>2</sub> " BM |
| 12   | 810-3257 | Fitting, <sup>1</sup> / <sub>4</sub> " NPT  |
| 13   | 810-1339 | Flexline, <sup>5</sup> / <sub>8</sub> " x 4.5" Long   |
| 14   | 810-1680 | Flexline, <sup>5</sup> / <sub>8</sub> " OD x 4.5" Long  |
| 15   | 810-1668 | Adaptor, Male, <sup>5</sup> / <sub>8</sub> " OD x <sup>1</sup> / <sub>2</sub> "                       |
| 16   | 810-1669 | Adaptor, Female, 7/8" OD x 1/2"   |
| 17   | 106-3470 | Solenoid Valve (with Female Pins)   |
| *    | 813-0436 | Plug, <sup>1</sup> / <sub>2</sub> " Counter Sink  |

## 2.4 Drain System Components

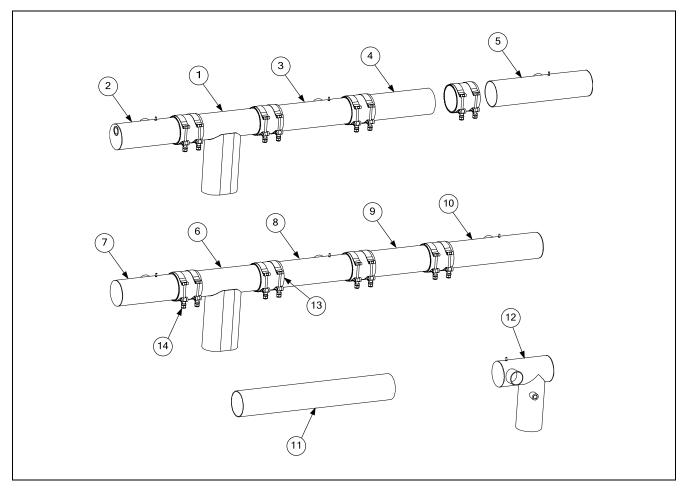
#### 2.4.1 Drain Valve Assemblies



## 2.4.1 Drain Valve Assemblies (cont.)

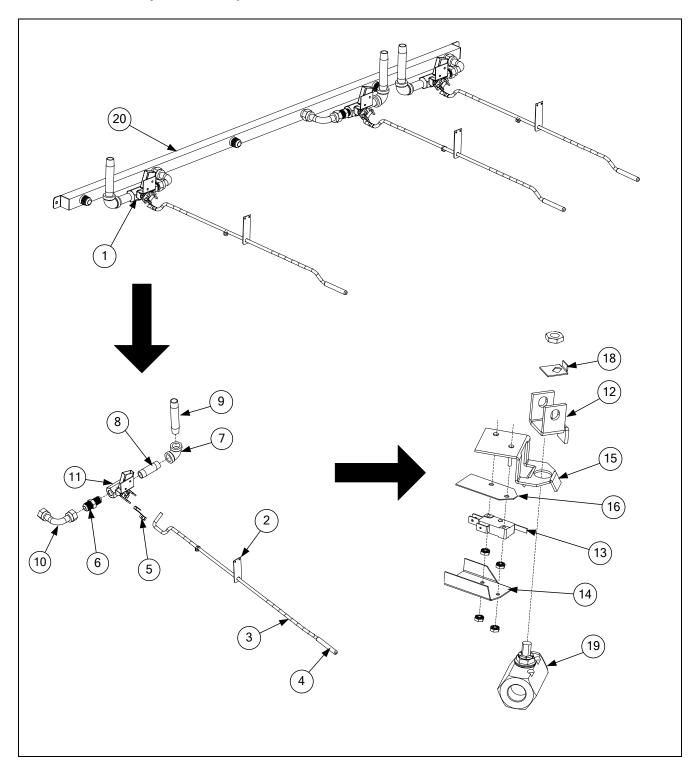
| ITEM       | PART#      | COMPONENT  |
|------------|------------|--|
|            |            | Drain Valve (units equipped with filtration)                                 |
| 1          | 810-2783   | Valve, 1 <sup>1</sup> / <sub>2</sub> " Full Port                             |
| 2          | 816-0544PK | O-ring (pack of 5)   |
| 3          | 807-2103   | Microswitch, Straight Lever, Drain Safety Switch                             |
| 4          | 106-3745   | Bracket, Drain Safety Switch   |
| 5          | 200-5694   | Cover, Drain Safety Switch   |
| 6          | 210-7077   | Handle (multi-vat unit)  |
| *          | 230-7413   | Handle (single unit)   |
| 7          | 816-0405   | Sleeve, Drain Handle, Red  |
| 8          | 809-0349   | Spacer, 4.0 mm x 6.0 mm  |
| 9          | 809-0237   | Nut, 4-40 Keps Hex (with extended teeth)                                     |
| 10         | 809-0988   | Washer, 1" x .525" ID, Teflon  |
| 11         | 200-6116   | Strap, Drain Valve Connecting, 1 <sup>1</sup> / <sub>2</sub> " (single unit) |
|            |            | Drain Valve (units NOT equipped with filtration)                             |
| 12         | 810-2126   | Valve, 1 <sup>1</sup> / <sub>4</sub> " Full Port                             |
| 13         | 807-2103   | Microswitch, Straight Lever, Drain Safety Switch                             |
| 14         | 106-9017   | Bracket, Drain Safety Switch   |
| 15         | 901-2348   | Cover, Drain Safety Switch   |
| 16         | 809-0349   | Spacer, 4.0 mm x 6.0 mm  |
| 17         | 809-0237   | Nut, 4-40 Keps Hex (with extended teeth)                                     |
|            |            | Drain Valve (K3000)  |
| 18         | 810-2783   | Valve, 1 <sup>1</sup> / <sub>2</sub> " Full Port                             |
| 19         | 816-0544PK | O-ring (pack of 5)   |
| 20         | 807-2103   | Microswitch, Straight Lever, Drain Safety Switch                             |
| 21         | 807-4936   | Microswitch, Gold Plated, Sealed   |
| 22         | 823-7749   | Handle   |
| 23         | 809-0237   | Nut, 4-40 Keps Hex (with extended teeth)                                     |
| 24         | 200-6116   | Strap, Drain Valve Connecting, 1 <sup>1</sup> / <sub>2</sub> " (single unit) |
| 25         | 108-2006   | Stud Assembly  |
| 26         | 816-0220   | Insulation, Drain Safety Switch  |
|            |            | Drain Safety Harness   |
| *          | 106-9924   | Standard   |
| *          | 106-0966   | KFC1/CM4S  |
| *          | 807-5159   | K3000  |
| *          | 106-7718   | Wire Assembly, Jumper (for units with no float switch or drain switch)       |
| * Not illu | ustrated.  |  |

# 2.4.2 Drain System Plumbing



| ITEM | PART#    | COMPONENT                             |
|------|----------|---------------------------------------|
|      |          | Drain Plumbing                        |
|      |          | With Drain Flush                      |
| 1    | 812-2078 | Downspout, Center                     |
| 2    | 823-4681 | Right, 8" Long (with coupling)        |
| 3    | 823-5188 | Right, 10.5" Long                     |
| 4    | 200-9365 | Right, 9" Long (no drain connection)  |
| 5    | 823-4844 | Left, 12.5" Long (with coupling)      |
|      |          | Without Drain Flush                   |
| 6    | 812-2078 | Downspout, Center                     |
| 7    | 823-7016 | Right, 8" Long                        |
| 8    | 823-5188 | Right, 10.5" Long                     |
| 9    | 200-9365 | Right, 9" Long (no drain connection)  |
| 10   | 823-7015 | Left, 12.5" Long                      |
| *    | 823-4844 | Left, 12.5" Long (with coupling)      |
| 11   | 200-6615 | 9" Long (no drain connection)         |
| 12   | 812-2131 | Downspout, Multi-height               |
| 13   | 816-0772 | Sleeve, Drain Connecting              |
| 14   | 809-0969 | Clamp, T-bolt                         |
| *    | 816-0665 | Vinyl Cap                             |
| *    | 812-1226 | Drain Extension, 1.25-inch            |
| *    | 220-5944 | Drain Support (for spreader cabinets) |

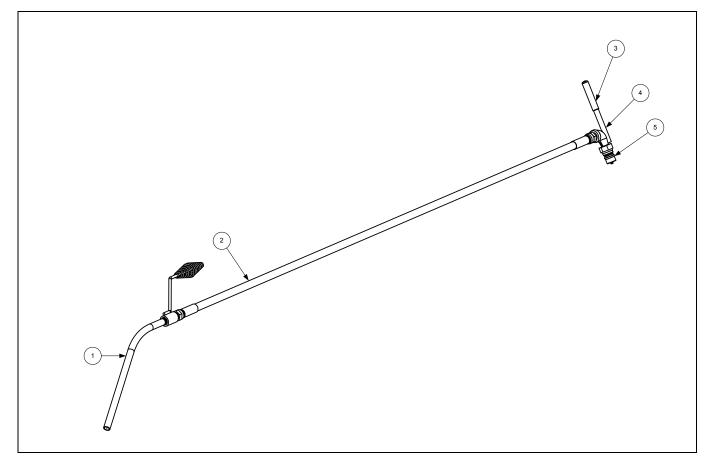
# 2.5 Oil Return System Components



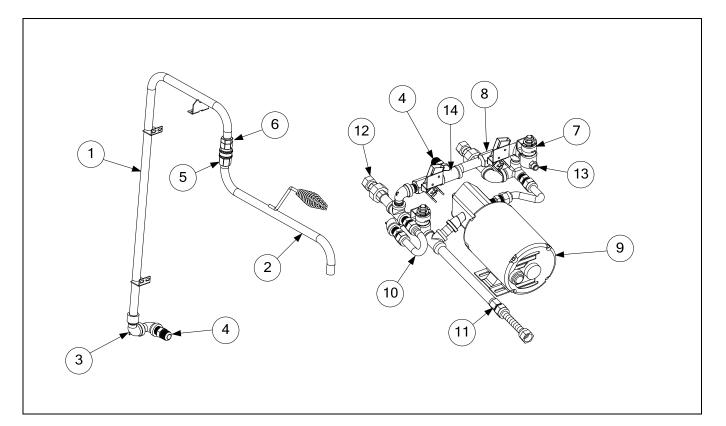
# 2.5 Oil Return System Components (cont.)

| ITEM     | PART #      | COMPONENT  |
|----------|-------------|--|
| 1        |             | Oil Return Plumbing Assembly   |
|          | 106-9711    | Left Assembly  |
|          | 106-9712    | Right Assembly   |
|          | 108-0717    | Single Assembly  |
| *        | 106-9928    | Rear Harness   |
| *        | 106-4182    | Jumper Harness   |
| 2        | 220-4955    | Handle Mount   |
| 3        | 200-8929    | Handle, Oil Return   |
| 4        | 816-0638    | Vinyl Cap, Yellow  |
| *        | 816-0637    | Vinyl Cap, Blue  |
| 5        | 809-0601    | Clevis Clip, Rod End   |
| 6        | 810-1668    | Adapter, Male, $5/8$ " OD x $\frac{1}{2}$ "                                  |
| 7        | 813-0062    | Elbow, <sup>1</sup> / <sub>2</sub> ", 90° BM                                 |
| *        | 813-0165    | Elbow, Street, <sup>1</sup> / <sub>2</sub> NPT, 90° BM                       |
| 8        | 813-0265    | Nipple, <sup>1</sup> / <sub>2</sub> NPT x 2 <sup>1</sup> / <sub>2</sub> " BM |
| *        | 813-0087    | Nipple, <sup>1</sup> / <sub>2</sub> NPT x 1 <sup>1</sup> / <sub>2</sub> " BM |
| *        | 813-0247    | Nipple, <sup>1</sup> / <sub>2</sub> NPT x 3.5" BM                            |
| 9        | 813-0281    | Nipple, <sup>1</sup> / <sub>2</sub> NPT x 5" BM                              |
| 10       | 810-1067    | Flexline, 8.5"   |
| *        | 813-0003    | Tee, <sup>1</sup> / <sub>2</sub> NPT BM                                      |
| 11       | 106-4006    | Valve Assembly   |
| 12       | 901-2772    | Handle   |
| 13       | 807-2103    | Microswitch, Straight Lever  |
| 14       | 220-2459    | Cover, Drain Safety Switch   |
| 15       | 106-3962    | Bracket Assembly, Microswitch  |
| 16       | 816-0220    | Insulation, Oil Return Microswitch   |
| 17       | 826-1366    | Nut, 4-40 Keps Hex (Pkg. of 25)  |
| 18       | 900-2935    | Retainer, Nut  |
| 19       | 810-0278    | Valve, <sup>1</sup> / <sub>2</sub> " Ball                                    |
| 20       |             | Oil Return Manifold  |
|          | 810-4191    | x2, x5 (1), x6 (1) Church's  |
|          | 810-4192    | x3, x5 (1), x6 (2)   |
|          | 810-4232    | x4, x6 (1) Church's  |
| * Nat il | Illustrated |  |

## 2.5.1 Oil Disposal Wand

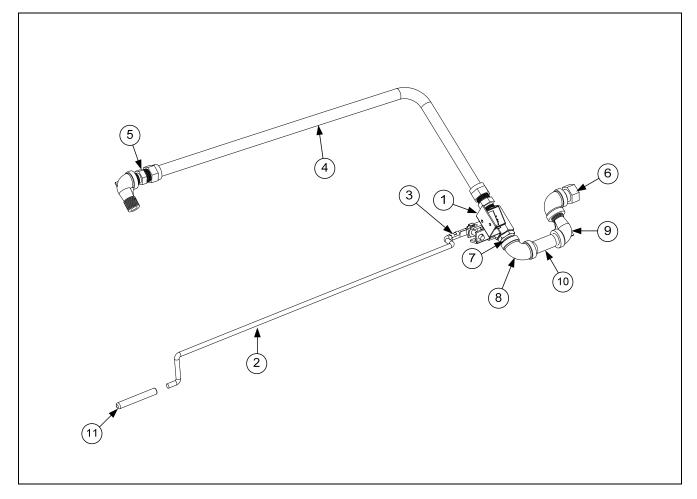


| ITEM | PART #   | COMPONENT                   |
|------|----------|-----------------------------|
|      | 108-0528 | Oil Disposal Wand Assembly  |
| 1    | 106-1454 | Nozzle assembly with handle |
| 2    | 810-1434 | Hose assembly               |
| 3    | 816-0631 | Cap, red vinyl              |
| 4    | 823-7153 | Handle                      |
| 5    | 810-0487 | Coupling                    |



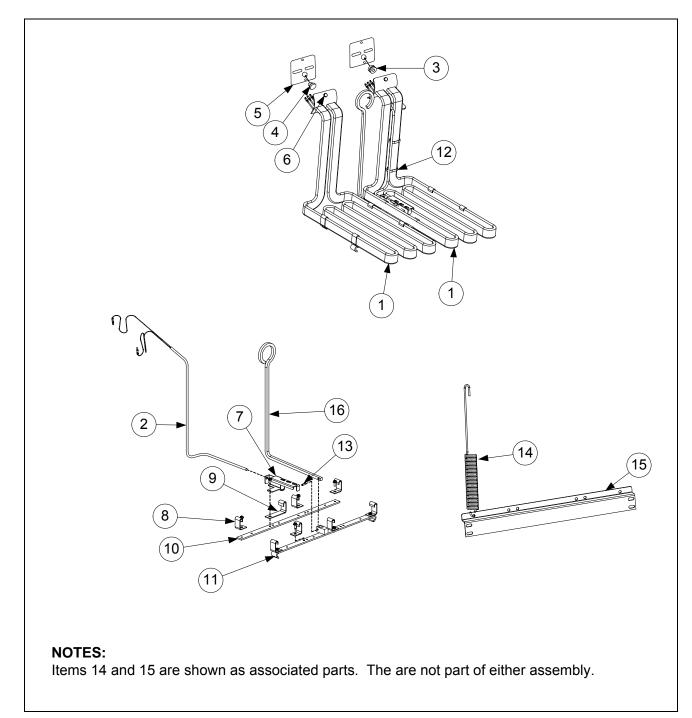
| ITEM | PART #   | COMPONENT   |
|------|----------|---|
|      | 106-9693 | Plumbing Assembly   |
| 1    | 810-3468 | Tubing, Over the Top  |
| 2    | 810-2513 | Tubing, Faucet Upper  |
| 3    | 813-0165 | Elbow, Street, <sup>1</sup> / <sub>2</sub> " x <sup>1</sup> / <sub>2</sub> " NPT, 90° |
| 4    | 810-1668 | Adapter, Male, <sup>5</sup> / <sub>8</sub> " OD x <sup>1</sup> / <sub>2</sub> "       |
| 5    | 810-2700 | Nipple, Quick Disconnect  |
| 6    | 810-2699 | Coupling, Quick Disconnect  |
| 7    | 106-3470 | Valve, Solenoid, Female Pins  |
| 8    | 106-4006 | Valve, <sup>1</sup> / <sub>2</sub> " Oil Return                                       |
| 9    | 826-1712 | 120V Motor, Gasket  |
| *    | 826-2789 | 8 GPM Pump  |
| 10   | 810-1159 | Flexline, 5" Oil Return   |
| 11   | 810-1669 | Adapter, Female, <sup>7</sup> / <sub>8</sub> OD x <sup>1</sup> / <sub>2</sub> "       |
| 12   | 810-3160 | Adaptor, <sup>1</sup> / <sub>2</sub> " NPT x 15                                       |
| 13   | 810-3257 | Fitting, <sup>1</sup> / <sub>4</sub> " NPT, <sup>3</sup> / <sub>8</sub> " OD          |
| 14   | 813-0003 | Tee, <sup>1</sup> / <sub>2</sub> " x <sup>1</sup> / <sub>2</sub> " BM                 |
| *    |          | Oil Return Manifold   |
| *    | 810-4193 | x1  |
| *    | 810-4191 | x2  |
| *    | 810-4192 | x3  |

# 2.5.3 Drain Flush Plumbing



| ITEM | PART #   | COMPONENT                             |
|------|----------|---------------------------------------|
| 1    | 106-4006 | Valve Assembly, Oil Return, 1/2"      |
| 2    | 200-8929 | Handle, Oil Return                    |
| 3    | 809-0601 | Clevis Clip, Rod End                  |
| 4    | 810-1069 | Flexline, 5/8" x 29.50" Long          |
| 5    | 810-1668 | Adapter, Male 5/8" OD x 1/2"          |
| 6    | 810-3160 | Adapter, 1/2" NPT                     |
| 7    | 813-0022 | Nipple, 1/2" x Close NPT BM           |
| 8    | 813-0062 | Elbow, 1/2", 90                       |
| 9    | 813-0165 | Elbow, Street, 1/2" x 1/2" NPT, 90 BM |
| 10   | 813-0460 | Nipple, 1/2" x 3.00 NPT BM            |
| 11   | 816-0637 | Cap, Vinyl, Blue                      |
| *    | 220-4955 | Handle Mount                          |
| *    | 106-9929 | Wiring Harness, Drain Flush           |

#### 2.6 Heating Element Assemblies and Associated Parts



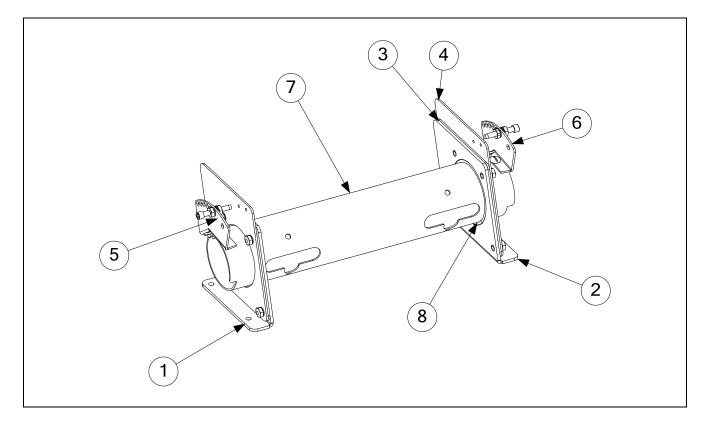
#### 2.6.1 Element Assemblies and Hardware

# NOTE: These elements apply only to the RE80/18 series fryers.

| 1         Element Assemblies           106-9757         208V, 17kW           106-9974         208V, 21kW           108-2702         230V, 17kW           108-2703         230V, 21kW           106-9961         240V, 17kW           106-9963         240V, 21kW           106-9963         240V, 21kW           106-9964         480V, 21kW           106-9964         480V, 21kW           106-9964         Elements           826-2929         Element, 208V/8.5kW (for 17kW)           826-2930         Element, 208V/10.25kW (for 21kW)           826-2935         Element, 230V/8.5kW (for 17kW) |  |
|--|--|
| 106-9974       208V, 21kW         108-2702       230V, 17kW         108-2703       230V, 21kW         106-9961       240V, 17kW         106-9963       240V, 21kW         106-9962       480V, 17kW         106-9964       480V, 21kW         106-9964       Elements         826-2929       Element, 208V/8.5kW (for 17kW)         826-2930       Element, 208V/10.25kW (for 21kW)  |  |
| 108-2702       230V, 17kW         108-2703       230V, 21kW         106-9961       240V, 17kW         106-9963       240V, 21kW         106-9964       480V, 17kW         106-9964       480V, 21kW         Elements       826-2929         826-2930       Element, 208V/8.5kW (for 17kW)         Element, 208V/10.25kW (for 21kW)   |  |
| 108-2702       230V, 17kW         108-2703       230V, 21kW         106-9961       240V, 17kW         106-9963       240V, 21kW         106-9964       480V, 17kW         106-9964       480V, 21kW         Elements       826-2929         826-2930       Element, 208V/8.5kW (for 17kW)         Element, 208V/10.25kW (for 21kW)   |  |
| 106-9961         240V, 17kW           106-9963         240V, 21kW           106-9962         480V, 17kW           106-9964         480V, 21kW           Elements         Element, 208V/8.5kW (for 17kW)           826-2929         Element, 208V/10.25kW (for 21kW)  |  |
| 106-9963         240V, 21kW           106-9962         480V, 17kW           106-9964         480V, 21kW           Elements         Element, 208V/8.5kW (for 17kW)           826-2929         Element, 208V/10.25kW (for 21kW)  |  |
| 106-9962         480V, 17kW           106-9964         480V, 21kW           Elements         826-2929           826-2930         Element, 208V/8.5kW (for 17kW)           826-2930         Element, 208V/10.25kW (for 21kW)  |  |
| 106-9964         480V, 21kW           Elements         826-2929         Element, 208V/8.5kW (for 17kW)           826-2930         Element, 208V/10.25kW (for 21kW)   |  |
| Elements           826-2929         Element, 208V/8.5kW (for 17kW)           826-2930         Element, 208V/10.25kW (for 21kW)   |  |
| 826-2929         Element, 208V/8.5kW (for 17kW)           826-2930         Element, 208V/10.25kW (for 21kW)  |  |
| 826-2930 Element, 208V/10.25kW (for 21kW)  |  |
|  |  |
| 826-2935 Element, 230V/8.5kW (for 17kW)  |  |
|  |  |
| 826-2936 Element, 230V/10.25kW (for 21kW)  |  |
| 826-2931 Element, 240V/8.5kW (for 17kW)  |  |
| 826-2932 Element, 240V/10.25kW (for 21kW)  |  |
| 826-2933 Element, 480V/8.5kW (for 17kW)  |  |
| 826-2934 Element, 480V/10.25kW (for 21kW)  |  |
| * 812-1794 Element Sleeving  |  |
| 2 Temperature Probe  |  |
| 826-2928 Standard Temp Probe Kit. Includes ty-wrap and grommet.  |  |
| 108-0790 FAST Temp Probe   |  |
| 809-0567 Ty-wrap   |  |
| 3 816-0681 Grommet, Probe  |  |
| 4 816-0480 Plug, .375-inch Dome  |  |
| 5 816-0688 Gasket, Element   |  |
| 6 809-1003 Screw, 10-32 X <sup>3</sup> / <sub>8</sub> -inch Hex Head SS  |  |
| 7 230-5041 Bracket, Temperature Probe  |  |
| 8 910-2042 Clamp, Element (Short)  |  |
| 9 230-0781 Clamp, Element (Long)   |  |
| 10230-4902Support, Full-Vat Element Rear   |  |
| 11823-6937Support, Full-Vat Element Front  |  |
| 12 809-0567 Ty-Wrap, Metal   |  |
| 13 810-1212 Pin, .125 X .5-inch Split  |  |
| 14 810-3030 Spring, Element Lift Left  |  |
| * 810-3031 Spring, Element Lift Right  |  |
| 15 220-4860 Bracket, Lower Spring  |  |
| 16810-2189Handle, Element Lift   |  |
| * 108-0317 Tilt Switch Assembly  |  |

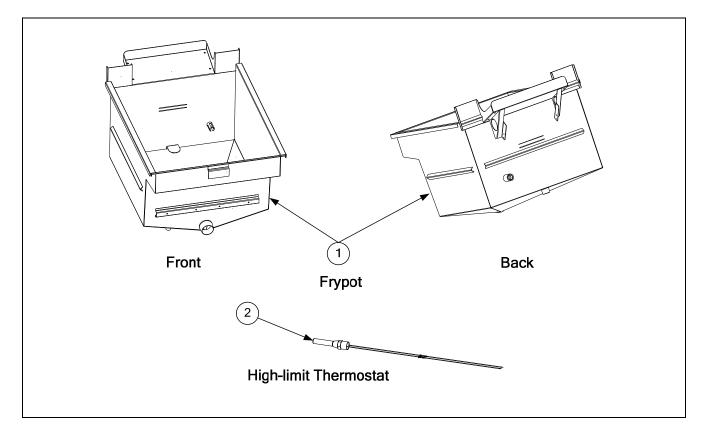
# 2.6.1 Heating Element Assemblies and Associated Parts (cont.)

## 2.6.2 Element Tube Assemblies



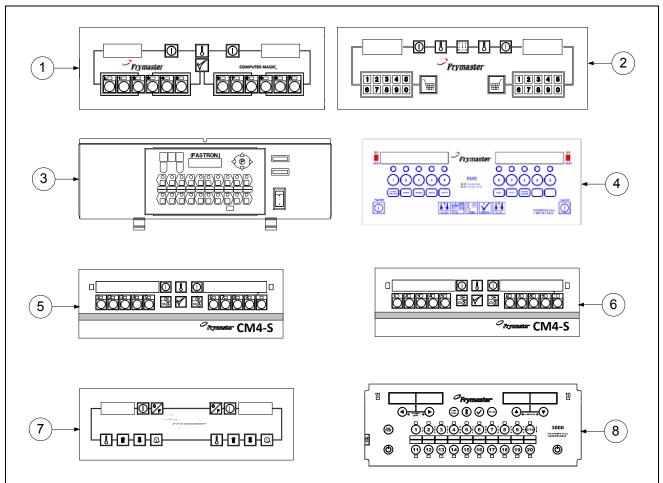
| ITEM | PART #     | COMPONENT                                 |
|------|------------|---|
|      | 106-7653SP | Tube Assembly RE Element, Full-Vat        |
| 1    | 108-0315   | Bracket Assembly, LH Element Tube Support |
| 2    | 108-0316   | Bracket Assembly, RH Element Tube Support |
| 3    | 220-0122   | Plate, Element Tube Support Inner         |
| 4    | 220-0123   | Plate, Element Tube Support Outer         |
| 5    | 106-7651   | Bracket Assembly, LH Upper Spring         |
| 6    | 106-7652   | Bracket Assembly, RH Upper Spring         |
| 7    | 810-2992   | Tube, FV Element Mounting                 |
| 8    | 810-2993   | Bushing, Tube End Teflon                  |
| *    | 809-0766   | Nut, 10-32 Hex HD SS                      |
| *    | 108-0317   | Switch, Tilt Assy                         |
| *    | 807-4742   | Switch, Tilt High Temp Long Lever Micro   |

## 2.7 Frypot Assemblies and Associated Parts



| ITEM | PART #     | COMPONENT   |
|------|------------|---|
| 1    |            | Frypot Assembly                                       |
|      | 823-6935SP | Frypot, Non-filter                                    |
|      | 823-6721SP | Frypot, Filter  |
|      | 823-6936SP | Frypot, Church's/Popeye's                             |
|      | 823-8423SP | Frypot, KFC India                                     |
| 2    | 826-2456   | Thermostat Assembly, High-Limit (Use 826-2455 for CE) |
| *    | 816-0785   | Side Insulation                                       |
| *    | 816-0786   | Center Insulation                                     |
| *    | 221-7274   | Heat Shield, Left                                     |
| *    | 222-7274   | Heat Shield, Right                                    |
| *    |            | Topcap Heat Shield                                    |
| *    | 220-5464   | x1  |
| *    | 220-5460   | x2, x4 (2), x5 (1)                                    |
| *    | 220-5461   | x3, x5 (1), x6 (2)                                    |
| *    | 823-7109   | Splash Guard, Standard                                |
| *    | 823-7169   | Splash Guard, Church's/Popeye's                       |
| *    | 108-0213   | Float Switch  |

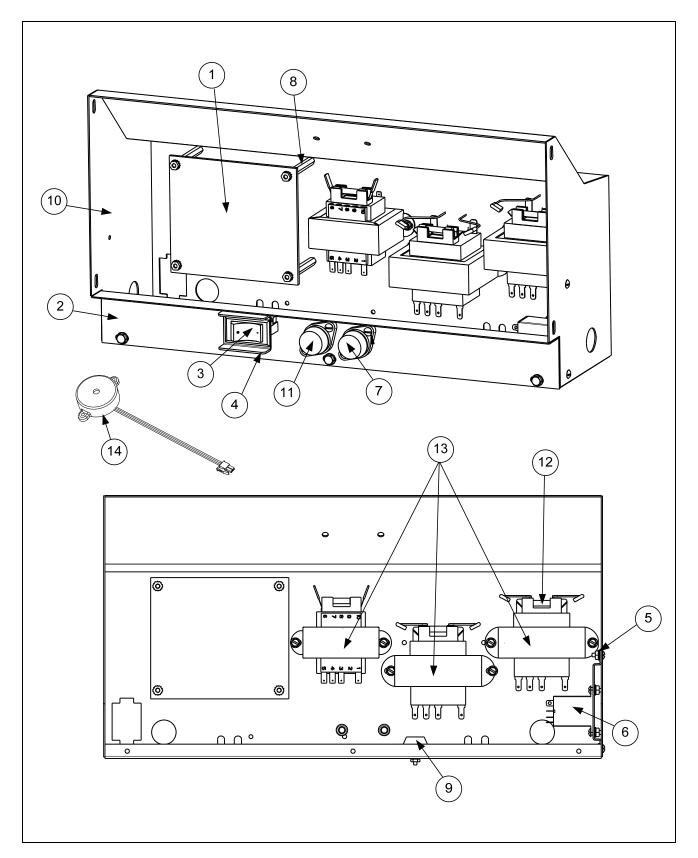
#### 2.8 Controllers



| ITEM | PART #     | COMPONENT   |
|------|------------|---|
|      |            | Computers   |
| 1    | 826-2429   | Computer Magic III.5, Full-Vat, non-CE                  |
| *    | 826-2399   | Computer Magic III.5, Full-vat, CE                      |
| 2    | 826-2401   | Basket Lift Timer                                       |
| 3    | 108-0267   | FAST Computer   |
| 4    | 106-4070   | KFC-1 Computer  |
| 5    | 108-2297   | Church's CM4S Computer                                  |
| 6    | 108-2296   | Popeye's CM4S Computer                                  |
| 7    | 826-2329   | Digital Controller, Full-Vat                            |
| 8    | 826-2762   | K3000 (Use 807-5354 for Menu Strip)                     |
| *    | 108-3114SP | F3000   |
| *    |            | K3000 Locator Harness                                   |
|      | 108-0485SP | Position 1 (Fryer 1 position (Far left fryer position)) |
|      | 108-0486SP | Position 2 (Fryer 2 position from left to right)        |
|      | 108-0487SP | Position 3 (Fryer 3 position from left to right)        |
|      | 108-0488SP | Position 4 (Fryer 4 position from left to right)        |
|      | 108-0489SP | Position 5 (Fryer 5 position from left to right)        |
| *    | 802-2021   | Graphic Sheet of Symbols                                |

## 2.9 Electronics and Wiring Components

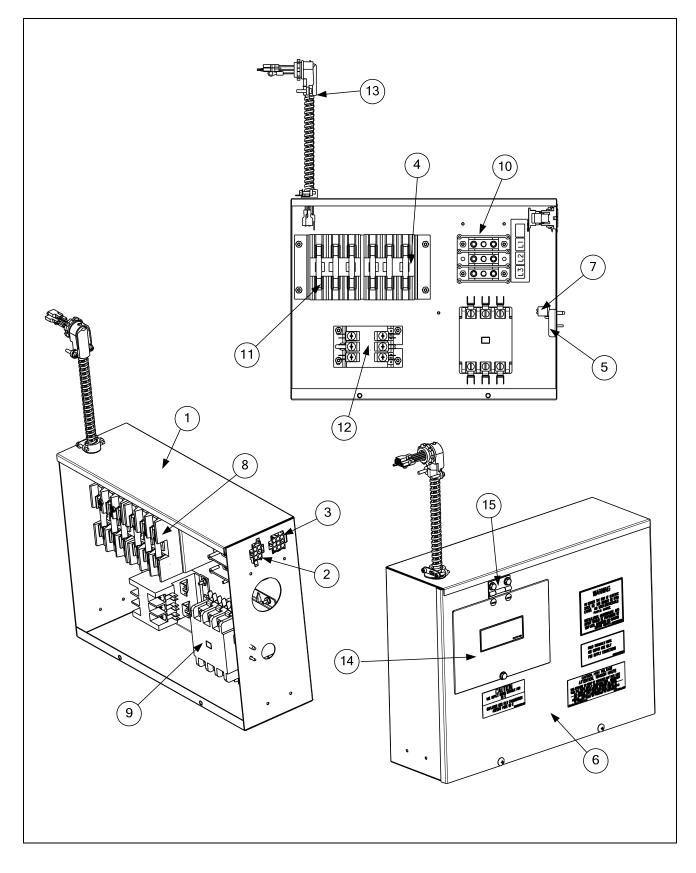
## 2.9.1 Component Boxes



## 2.9.1 Component Boxes

| ITEM       | PART #   | COMPONENT  |
|------------|----------|--|
|            |          | Component Box Assemblies (for reference)                     |
|            | 106-9730 | 208/240V, Filter   |
|            | 106-9732 | 208/240V, Non-filter   |
|            | 108-0279 | 220/230/240/250/415/400/430V, Filter                         |
|            | 108-0278 | 220/230/240/250/415/400/415/430V, Non-filter                 |
|            | 108-4357 | 240/415 KFC India, Filter                                    |
|            | 108-0420 | 480V, Filter   |
|            | 108-0421 | 480V, Non-filter   |
| _          | 108-0330 | 480V, no switch, no basket lift                              |
|            |          | Component Box Parts  |
| 1          | 106-6666 | Interface Board  |
| *          | 106-9930 | Harness, Filter  |
| *          | 106-9965 | Harness, Non-filter  |
| 2          | 220-4465 | Panel, Switch  |
| 3          | 230-4346 | Guard, Switch  |
| 4          | 807-4036 | Switch   |
| 5          | 220-5805 | Standoff, Relay, Filter                                      |
| 6          | 807-4114 | Relay, 24VAC Coil, Filter                                    |
| 7          | 807-0922 | Holder, Screw-Type Buss Fuse                                 |
| *          | 807-4765 | Harness, Control   |
| 8          | 809-0963 | Standoff, 6-32, <sup>1</sup> /4" x 2.00 NP                   |
| 9          | 810-1164 | Block, Screwless Terminal                                    |
| 10         | 823-6745 | Box, Component   |
| 11         | 807-2278 | Fuse, 20 Amp   |
| 12         | 807-1597 | Fuse, 3 Amp Slo-blo, Filter (220-250V)                       |
| 13         |          | Transformers   |
| _          | 807-0979 | 208/240V, 12V  |
|            | 807-0680 | 208/240V   |
|            | 807-2180 | 208/240V, 24V, 50VA  |
|            | 807-2191 | V&F, 208/230/240V, 12V                                       |
|            | 807-0800 | 120V, 50/60 Hz-24V, 50VA                                     |
| _          | 807-0855 | 120V, 50/60 Hz-12V, 20VA                                     |
| 1.4        | 807-3892 | 440/480V to 12/24V<br>Sound Device SMT Standard and KEC EAST |
| 14<br>*    | 810-3141 | Sound Device, SMT Standard and KFC FAST                      |
| * Not illu | 108-0273 | Speaker, KFC(KFC-1, K3000 and F3000)                         |

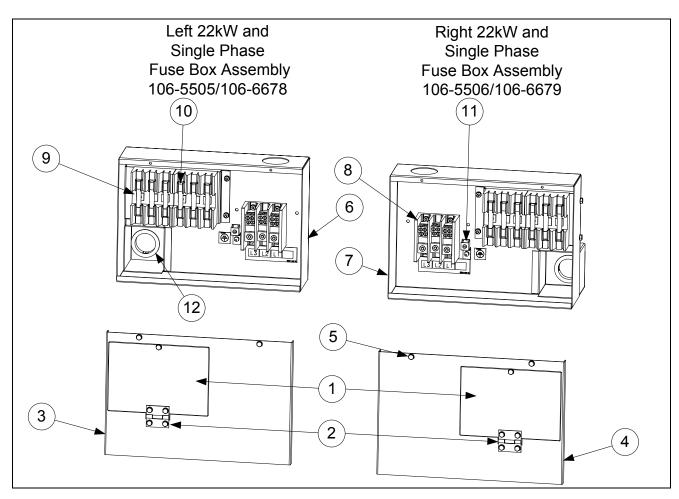
## 2.9.2 Contactor Boxes



**NOTES:** Left and right contactor box assemblies are mirror images of one another. With the exception of the box itself, most components of a left-hand assembly are the same as those in the corresponding right-hand assembly and vice versa. The configuration illustrated shows most possible components, but a particular configuration may not have all the components shown.

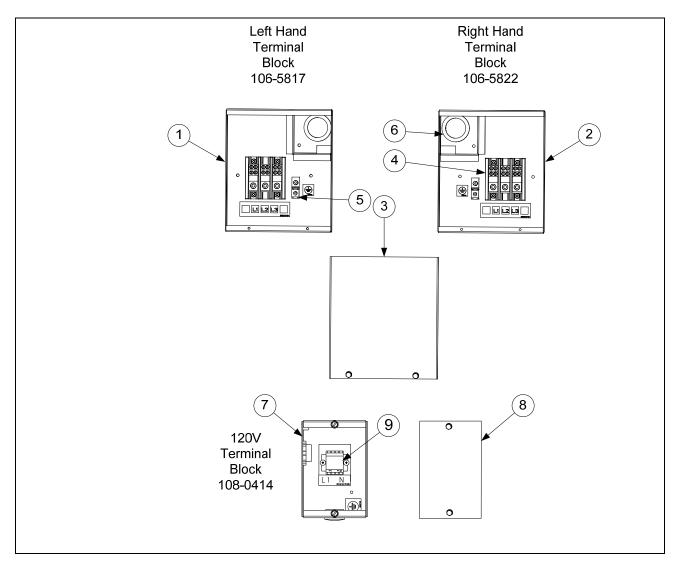
| ITEM | PART #   | COMPONENT   |
|------|----------|---|
|      |          | Contactor Box Assemblies (for reference only)                   |
|      | 106-9967 | 17 kW, 3-wire 208/240V and 21kW/480V, Left                      |
| _    | 106-9966 | 17 kW, 3-wire 208/240V and 21kW/480V ,Right                     |
|      | 108-3522 | 21kW, 3-wire 208/240 only, Left                                 |
|      | 108-3523 | 21kW, 3-wire, 208/240 only, Right                               |
|      | 108-0427 | 17 kW, 4-wire, 208/240V and 21kW/480V, Left                     |
| _    | 108-0426 | 17 kW, 4-wire, 208/240V and 21kW/480V, Right, Std and India KFC |
| _    | 108-4358 | 17 kW, 4-wire, 208/240V and 21kW/480V, Left India KFC           |
|      | 108-4800 | 17 kW, 4-wire, 220/380 only, Left – Export China Only           |
| _    | 108-4799 | 17 kW, 4-wire, 220/380 only, Right – Export China Only          |
|      | 108-0037 | 21kW, 4-wire 208/240 only                                       |
| _    | 108-1861 | 17kW, Single, 208/240 only                                      |
|      | 108-3521 | 21kW, Single, 208/240 only                                      |
| _    | 108-3526 | 21kW, 4-wire, Single, Export PBI                                |
|      |          | Contactor Box Parts   |
| 1    | 106-9601 | Stud Assembly, Left Contactor Box                               |
| *    | 106-9600 | Stud Assembly, Right Contactor Box                              |
| 2    | 106-9735 | Harness, 6-pin  |
| *    | 108-2439 | Harness, 6-pin, PBI   |
| 3    | 106-9736 | Harness, 9-pin  |
| *    | 108-2440 | Harness, 9-pin, PBI   |
| 4    | 200-6648 | Bracket, Fuse Block   |
| 5    | 200-6809 | Bracket, Ground Lug Holder                                      |
| 6    | 221-5553 | Cover, 21kw Contactor Box                                       |
| *    | 220-5103 | Cover, 17kw Contactor Box                                       |
| 7    | 807-0070 | Terminal Lug  |
| 8    | 807-0501 | Fuse Block  |
| 9    | 807-2283 | Contactor, 63 AMP, Mechanical, 24V Coil (21kW)                  |
| *    | 807-2284 | Contactor, 50 AMP, Mechanical, 24V Coil (17kW)                  |
| *    | 810-1202 | Contactor, 40 AMP, Mechanical, 24V Coil (17kW)                  |
| 10   | 807-3610 | Terminal Block  |
| *    | 807-1268 | Terminal Block, Splicer Single Pole (4-wire)                    |
| 11   | 807-4017 | Fuse, 50 AMP, 300 VDC   |
| 12   | 810-1202 | Contactor, 40 AMP, 24V Coil (17kW)                              |
| *    | 807-2284 | Contactor, 50 AMP, Mechanical, 24V Coil (17kW)                  |
| 13   | 108-1786 | Harness, Contactor Box  |
| 14   | 220-6545 | Door, Fuse Access   |
| 15   | 810-0519 | Hinge, Fuse Access  |
| *    | 220-5484 | Mount, Contactor Box (2 per box)                                |

#### 2.9.3 Fuse Boxes



| ITEM | PART #   | COMPONENT   |
|------|----------|---|
| 1    | 200-2334 | Door  |
| 2    | 810-0519 | Hinge   |
| 3    | 221-0523 | Cover, LH Fuse Box                                      |
| 4    | 222-0523 | Cover, RH Fuse Box (Used on Single Station Fryers also) |
| 5    | 809-0434 | Nut, RH Fuse Holder                                     |
| 6    | 823-5585 | Box, LH Fuse  |
| 7    | 823-5557 | Box, RH Fuse  |
|      | 823-5797 | Box, Single Station Fryer Only                          |
| 8    | 807-3970 | Block, 3 Pole 600V 175A Terminal                        |
| 9    | 807-0501 | Fuse Block, Buss #2968 3-Pole                           |
| 10   | 807-2240 | Fuse, 60 AMP 300VAC                                     |
| 11   | 807-0070 | Terminal, Ground Lug                                    |
| 12   | 807-0128 | Bushing, Insulating Heyco                               |

## 2.9.4 Terminal Blocks



| ITEM | PART #   | COMPONENT   |
|------|----------|---|
| 1    | 823-5631 | Box, LH Rear Terminal Block   |
| 2    | 823-5632 | Box, RH Rear Terminal Block   |
|      | 823-5797 | Box, Single Station Fryer Only (see previous page for cover 222-0523) |
| 3    | 220-0801 | Cover, Rear Terminal Block Box  |
| 4    | 807-3970 | Block, 3 Pole 600V 175A   |
| 5    | 807-0070 | Terminal, Ground Lug  |
| 6    | 807-0128 | Bushing, Insulating Heyco   |
| 7    | 824-1378 | Box, 120V Power Cord  |
| 8    | 200-8030 | Cover, 120V Power Cod Box   |
| 9    | 810-1164 | Block, 1 Piece Screw less Terminal                                    |
| *    | 108-5442 | Box, Church's Cord Connect  |

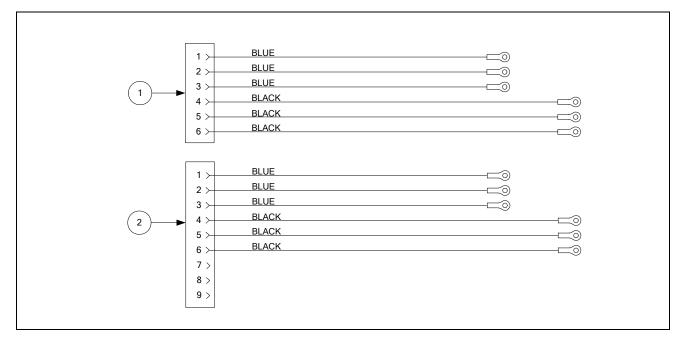
#### 2.9.5 Cordsets

| ITEM | PART #   | COMPONENT   |
|------|----------|---|
| *    | 807-4658 | Domestic 208/240V                                     |
| *    | 807-3834 | Domestic 480V, Export Non-CE 208/240V                 |
| *    | 807-3981 | Export, Generic 220/250V, KFC Export India, CE Export |

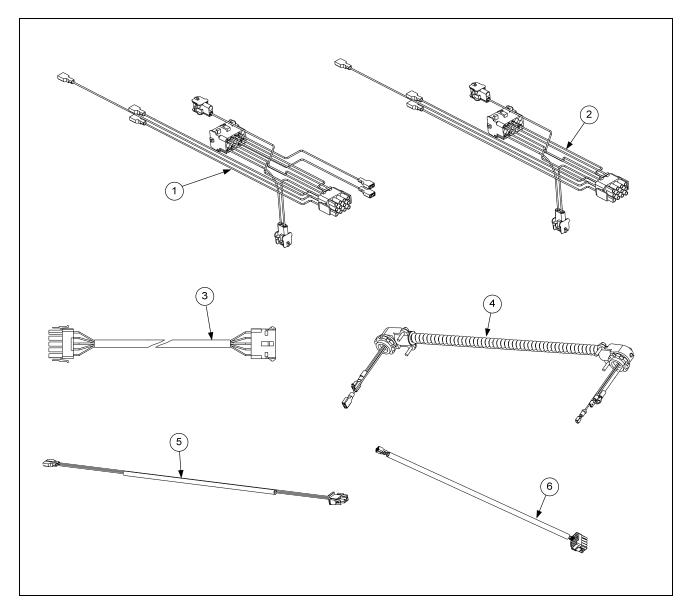
\* Not illustrated.

## 2.10 Wiring

#### 2.10.1 Contactor Box Wiring Assemblies



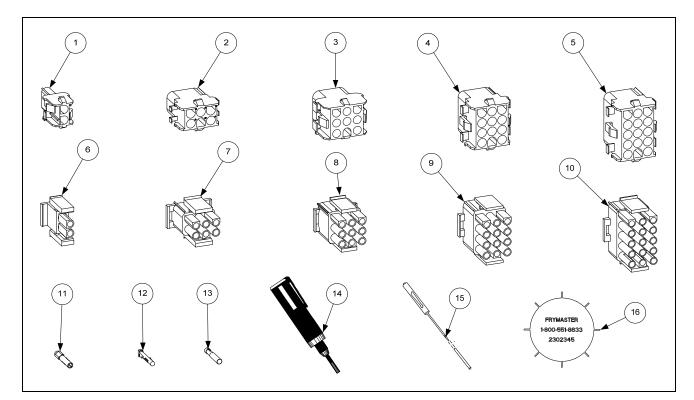
| ITEM | PART #   | COMPONENT |
|------|----------|-----------|
| 1    | 106-9735 | 6-pin     |
|      | 106-9736 | 9-pin     |



## 2.10.2 Component Box, Filter Pump and Basket Lift Wiring Harnesses

| ITEM | PART #   | COMPONENT  |
|------|----------|--|
| 1    | 106-9930 | Component Box Harness, Filter                            |
| 2    | 106-9965 | Component Box Harness, Non-filter                        |
| 3    | 807-4765 | Component Box Harness, Control                           |
| 4    | 106-9918 | Filter Pump Harness                                      |
| 5    | 106-9924 | Drain Safety Harness                                     |
| *    | 108-0255 | Drain Safety Harness, KFC-1, CM4S, Popeye's and Church's |
| *    | 807-5159 | Drain Safety Harness, K3000                              |
| *    | 106-7718 | Drain Jumper Harness                                     |
| 6    | 106-9928 | Oil Return Harness, Rear                                 |

# 2.11 Wiring Connectors and Pin Connectors



| ITEM | PART #     | COMPONENT                               |
|------|------------|---|
| 1    | 807-1068   | 2-Pin Female                            |
| 2    | 807-0158   | 6-Pin Female                            |
| 3    | 807-0156   | 9-Pin Female                            |
| 4    | 807-0159   | 12-Pin Female                           |
| 5    | 807-0875   | 15-Pin Female                           |
| 6    | 807-1067   | 2-Pin Male                              |
| 7    | 807-0157   | 6-Pin Male                              |
| 8    | 807-0155   | 9-Pin Male                              |
| 9    | 807-0160   | 12-Pin Male                             |
| 10   | 807-0804   | 15-Pin Male                             |
| 11   | 826-1341   | Terminal, Female Split Pin (pkg. of 25) |
| 12   | 826-1342   | Terminal, Male Split Pin (pkg. of 25)   |
| 13   | 807-2518   | Plug, Mate-N-Lock (Dummy Pin)           |
| 14   | 807-0928   | Extract Tool Pin Pusher                 |
| 15   | 806-4855   | Pin Pusher Screwdriver Assembly         |
| 16   | 230-2345   | SMT Pin Extractor                       |
| *    | 807-4660PK | SMT Pin Service Repair Kit              |

#### 2.12 Fasteners

| ITEM               | PART #   | COMPONENT  |
|--------------------|----------|--|
| *                  | 809-0429 | Bolt, <sup>1</sup> / <sub>4</sub> -inch – 20 x 2.00-inch Hex Head ZP Tap                   |
| *                  | 809-0514 | Capscrew, 5/16-inch-18 NC Hex  |
| *                  | 809-0448 | Clip, Tinnerman  |
| *                  | 826-1366 | Nut, 4-40 Keps Hex (Pkg. of 25) (809-0237)   |
| *                  | 826-1358 | Nut, 6-32 Keps Hex (Pkg. of 25) (809-0049)   |
| *                  | 809-0247 | Nut, 8-32 Keps Hex   |
| *                  | 826-1376 | Nut, 10-32 Keps Hex (Pkg. of 10) (809-0256)  |
| *                  | 809-0766 | Nut, 10-32 Keps Hex SS   |
| *                  | 809-0581 | Nut, <sup>1</sup> / <sub>2</sub> NPT Locking   |
| *                  | 809-0020 | Nut Cap 10-24 NP   |
| *                  | 826-1372 | Nut Grip <sup>1</sup> / <sub>4</sub> -inch 1/4-20 Hex NP (Pkg. of 10) (809-0059)           |
| *                  | 809-0417 | Nut Flange <sup>1</sup> / <sub>4</sub> -inch 1/4-20 Serr                                   |
| *                  | 809-0535 | Nut, "T" ¼-inch-20 x 7/16 SS   |
| *                  | 809-0540 | Nut, Lock <sup>1</sup> / <sub>2</sub> -inch-13 Hex 2-Way ZP                                |
| *                  | 826-1359 | Screw, 4-40 x <sup>3</sup> / <sub>4</sub> -inch Slotted Round Head (Pkg. of 25) (809-0354) |
| *                  | 826-1365 | Screw, 6-32 x <sup>3</sup> / <sub>8</sub> -inch Slot Head (Pkg. of 25) (809-0095)          |
| *                  | 809-0357 | Screw, 6 x <sup>3</sup> / <sub>8</sub> -inch Phillips Head NP                              |
| *                  | 809-0359 | Screw, 8 x <sup>1</sup> / <sub>4</sub> -inch Hex Washer Head                               |
| *                  | 809-0360 | Screw, 8 x <sup>3</sup> / <sub>8</sub> -inch Hex Washer Slot Head                          |
| *                  | 826-1371 | Screw, 8 x <sup>1</sup> / <sub>2</sub> -inch Hex Head ZP (Pkg. of 25) (809-0361)           |
| *                  | 809-0364 | Screw, 8 x <sup>5</sup> / <sub>8</sub> -inch Hex Washer Head ZP                            |
| *                  | 809-0518 | Screw, 8-32 x <sup>3</sup> / <sub>8</sub> -inch Hex Washer Slotted Head SS                 |
| *                  | 809-0104 | Screw, 8-32 x <sup>1</sup> / <sub>2</sub> -inch Slotted Head ZP                            |
| *                  | 826-1363 | Screw, 8-32 x <sup>1</sup> / <sub>2</sub> -inch NP (Pkg. of 25) (809-0103)                 |
| *                  | 826-1360 | Screw, 10-24 x 5/16-inch Round Slot Head ZP (Pkg. of 25) (809-0024)                        |
| *                  | 826-1330 | Screw, 10-32 x <sup>3</sup> / <sub>8</sub> -inch Slot Head SS (809-0117)                   |
| *                  | 809-1003 | Screw, 10-32 x <sup>3</sup> / <sub>8</sub> -inch Hex Trim Head SS                          |
| *                  | 826-1375 | Screw, 10-32 x <sup>3</sup> / <sub>4</sub> -inch Hex Trim Head SS (Pkg. of 5) (809-0401)   |
| *                  | 809-1000 | Screw, 10-32 x 1 <sup>1</sup> / <sub>4</sub> -inch Hex Sck C/S                             |
| *                  | 826-1374 | Screw, 10 x <sup>1</sup> / <sub>2</sub> -inch Hex Head (Pkg. of 25) (809-0412)             |
| *                  | 809-0266 | Screw, 10 x <sup>1</sup> / <sub>2</sub> -inch Phillips Head ZP                             |
| *                  | 809-0434 | Screw, 10 x <sup>3</sup> / <sub>8</sub> -inch Hex Washer Head NP                           |
| *                  | 809-0123 | Screw, 10 x <sup>3</sup> / <sub>4</sub> -inch Slot Head                                    |
| *                  | 826-1389 | Screw, 1/4-20 x <sup>3</sup> / <sub>4</sub> -inch Hex Head ZP (Pkg. of 10) (809-0131)      |
| *                  | 809-0582 | Washer <sup>1</sup> / <sub>2</sub> NPT Locking   |
| *                  | 809-0184 | Washer, #10 LK ZP  |
| *                  | 809-0190 | Washer, .625 X .275 X 40 Flat SS   |
| *                  | 809-0191 | Washer, Lock 1/4 Spring ZP   |
| *                  | 809-0193 | Washer, Flat 1/4 Nylon   |
| *                  | 809-0194 | Washer, Flat 5/16 ZP   |
| * Not illustrated. |          |  |

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Frymaster, L.L.C., 8700 Line Avenue, Shreveport, Louisiana 71106

TEL 1-318-865-1711

FAX (Parts) 1-318-868-5987

(Tech Support) 1-318-219-7135 819-6666 SEP 2013

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