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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.

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

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.

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.

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.

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

WARNING

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

🔔 WARNING

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.

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.

NOTICE IF, DURING THE WARRANTY PERIOD, THE CUSTOMER USES A PART FOR THIS ENODIS

EQUIPMENT OTHER THAN AN UNMODIFIED 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

\rm DANGER

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 Service Center (FASC) for part number 826-0900.

1 DANGER

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

| Three (3) Phase Requirements | | | | | | | | | | | | |
|------------------------------|---------|-------|-------------|------------------|----------------------|----------------|----------------|----|--|--|--|--|
| | | | WIRE | MINIMU | IM SIZE | AMPS | AMPS PER LEG | | | | | |
| kW | VOLTAGE | PHASE | SERVICE | AWG | mm ² | L1 | L2 | L3 | | | | |
| 14 | 208 | 3 | 3 | 6 | 16 | 39 | 39 | 39 | | | | |
| 14 | 240 | 3 | 3 | 6 | 16 | 34 | 34 | 34 | | | | |
| 14 | 480 | 3 | 3 | 8 | 10 | 17 | 17 | 17 | | | | |
| 14 | 220/380 | 3 | 4 | 6 | 16 | 21 | 21 | 21 | | | | |
| 14 | 240/415 | 3 | 4 | 6 | 16 | 20 | 20 | 21 | | | | |
| 14 | 230/400 | 3 | 4 | 6 | 16 | 21 | 21 | 21 | | | | |
| A L L | 208 | 3 | 3 | 6 | 16 | 39 | 39 | 39 | | | | |
| ALL EPRI 14kW | 240 | 3 | 3 | 6 | 16 16 | 34 21 | 34 21 | 34 | | | | |
| (SOLID STATE) | 220/380 | 3 | 4 | 6 | | | | 21 | | | | |
| (SOLID STATE) | 240/415 | 3 | 4 | 6 | 16 | 20 | 20 | 20 | | | | |
| 17 | 208 3 | | 3 | 6 | 16 | 48 | 48 | 48 | | | | |
| 17 | 240 | 3 | 3 | 6 6 6 6 | 16 16 16 16 | 41 | 41 | 41 | | | | |
| 17 | 480 | 3 | 3 4 4 | | | 21 26 24 | 21 26 24 | 21 | | | | |
| 17 | 220/380 | 3 | | | | | | 26 | | | | |
| 17 | 240/415 | 3 | | | | | | 24 | | | | |
| 17 | 230/400 | 3 | 4 | 6 | 16 | 25 | 25 | 25 | | | | |
| A L L | 208 | 3 | 3 | 6 | 16 | 48 | 48 | 48 | | | | |
| ALL EPRI 17kW | 240 | 3 | 3 | 6 | 16 | 41 | 41 | 41 | | | | |
| (SOLID STATE) | 220/380 | 3 | 4 | 6 | 16 | 26 | 26 | 26 | | | | |
| (SOLID STATE) | 240/415 | 3 | 4 | 6 | 16 | 24 | 24 | 24 | | | | |
| 22 | 208 | 3 | 3 | 4 | 25 | 61 | 61 | 61 | | | | |
| 22 | 240 | 3 | 3 | 4 | 25 | 53 | 53 | 53 | | | | |
| 22 | 480 | 3 | 3 | 6 | 16 | 27 | 27 | 27 | | | | |
| 22 | 220/380 | 3 | 4 | 6 | 16 | 34 | 34 | 34 | | | | |
| 22 | 240/415 | 3 | 4 | 6 | 16 | 31 | 31 | 31 | | | | |
| 22 | 230/400 | 3 | 4 | 6 | 16 | 32 | 32 | 32 | | | | |

ELECTRICAL POWER SPECIFICATIONS

| Single Phase Requirements | | | | | | | | | | | |
|---------------------------|-------------------|-------|---------|---|----|------|--|--|--|--|--|
| | WIRE MINIMUM SIZE | | | | | | | | | | |
| kW | VOLTAGE | PHASE | SERVICE | | | AMPS | | | | | |
| 14 | 208 | 1 | 2 | 3 | 34 | 68 | | | | | |
| 14 | 240 | 1 | 2 | 4 | 25 | 59 | | | | | |
| 14 | 480 | 1 | 2 | 8 | 10 | 30 | | | | | |

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RE SERIES E⁴ ELECTRIC FRYERS CHAPTER 1: SERVICE PROCEDURES

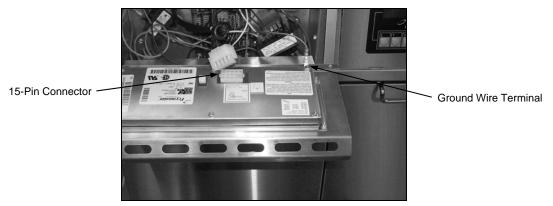
1.1 General

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.



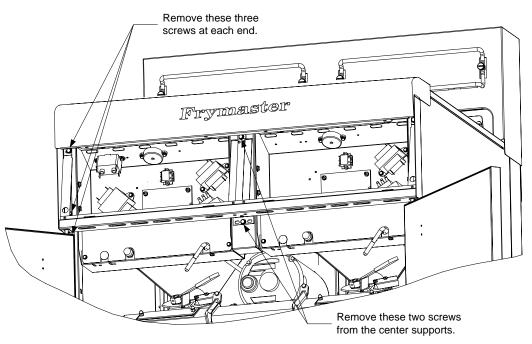
5. Remove the controller from the control panel assembly and install the replacement controller. Reinstall the control panel assembly by reversing steps 1 and 2.

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

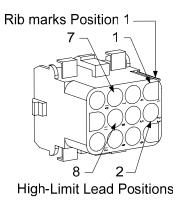
- 7. Reconnect the wiring disconnected in Step 3, referring to your notes and the wiring diagrams on the fryer door to ensure that the connections are properly made. Also, verify that no other wiring was disconnected accidentally during the replacement process.
- 8. Reverse steps 1 through 4 to complete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

DO NOT 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 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[™] 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.



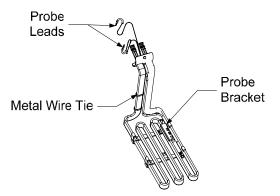
- 8. Reconnect the 12-pin connecting plug C-6. Use wire ties to secure any loose wires.
- 9. Reinstall the back panels reposition the fryer under the exhaust hood, and reconnect it to the electrical power supply to return the fryer to service.

1.5 Replacing a Temperature Probe

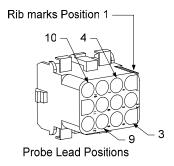
1. Remove the filter pan and lid from the unit. Drain the frypots into a Shortening Disposal Unit (SDU) or other appropriate metal container.

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).



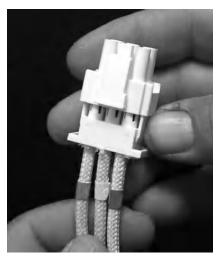
- 6. Gently pull on the temperature probe and grommet, pulling the wires up the rear of the fryer and through the element tube assembly.
- 7. Insert the replacement temperature probe (wires first) into the tube assembly ensuring that the grommet is in place. Secure the probe to the elements using the 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.

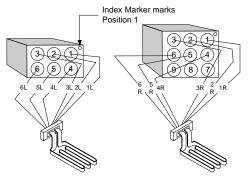
1.6 Replacing a Heating Element

- 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. 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.

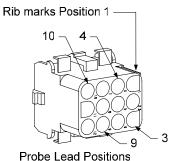


- 4. Raise the element to the full up position and support the elements.
- 5. Remove the hex head screws and nuts that secure the element to the tube assembly and pull the element out of the frypot. **NOTE:** Full-vat elements consist of two dual-vat elements clamped together. For full-vat units, remove the element clamps before removing the nuts and screws that secure the element to the tube assembly.
- 6. 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.
- 7. 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.



- 8. Reconnect the element connector ensuring that the latches lock.
- 9. 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.



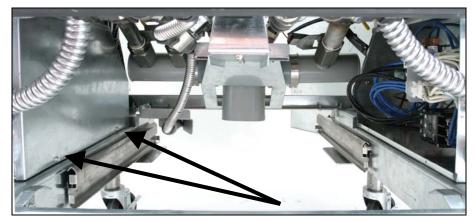
- 10. Reconnect the 12-pin connector C-6 of the wiring harness disconnected in Step 2.
- 11. Lower the element down onto the basket rack.
- 12. Reinstall the tilt housing and back panels, reposition the fryer under the exhaust hood, and reconnect it to the electrical power supply.

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.



Remove two screws to access contactor box components above the filter pan.

- 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.



Left and right views of mechanical contactor box components.

1.8 Replacing a Frypot

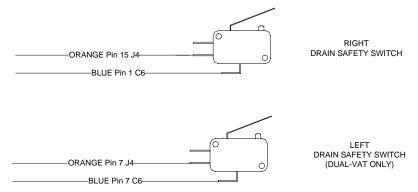
1. Drain the frypot into the filter pan or, if replacing a frypot over the filter system, into a Shortening Disposal Unit (SDU) or other appropriate metal container. If replacing a frypot over the filter system, remove the filter pan and lid from the unit.

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. 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[™] 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.

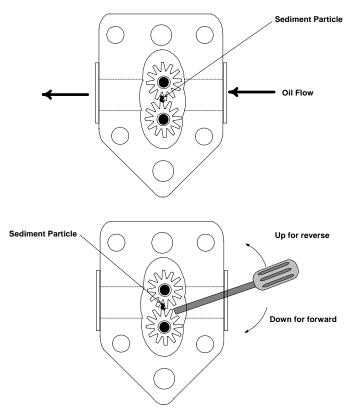
If the pump motor overheats, the thermal overload will trip and the motor will not start until it is reset. If the pump motor does not start, press the red reset switch (button) located on the rear of the motor at the front of the fryer.

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.

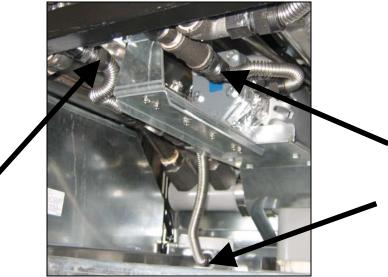
Incorrectly sized or installed paper/pads will also allow food particles and sediment to pass through and clog the suction tube on the bottom of the filter pan. Particles large enough to block the suction tube may indicate that the crumb tray is not being used. Pan blockage can also occur if shortening 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. Remove the filter pan and lid from the unit. Drain the frypots into a Shortening Disposal Unit (SDU) or other appropriate metal container.

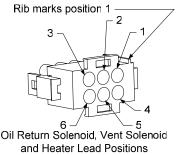
DO NOT drain more than one full frypot or two split frypots into the SDU at one time.

- 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.

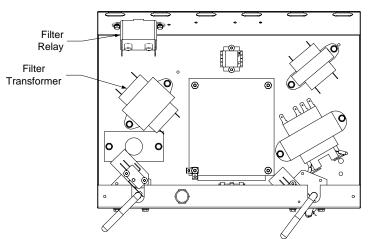
- 4. Loosen the nut and bolt that secures the bridge to the oil-return manifold.
- 5. Remove the cover plate from the front of the motor and disconnect the motor wires.
- 6. Unplug the pump motor assembly 6-pin connector C-2 and, using a pin pusher, disconnect the vent vacuum-breaker solenoid (pins 2 and 5) that is attached to the oil return manifold.
- 7. Remove the two nuts and bolts that secure the front of the bridge to the cross brace and carefully slide the bridge rearward off the cross brace until its front end can be lowered to the floor. Undo the single nut holding it in place in back. Be careful not to let the rear of the bridge slip off the manifold at this point.
- 8. Get a good grip on the bridge, carefully pull it forward off the oil-return manifold, and lower the entire assembly to the floor. Once on the floor, pull the assembly out the front of the fryer.
- 9. When required service has been completed, reverse steps 6-12 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).



- 10. 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.)
- 11. When proper operation has been verified, reinstall the back panels and the filter pan and lid.
- 12. 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 located as shown in the illustration below. **NOTE:** The right component box is identical to the left except that the filter transformer and relay are not present. The components are held on by threaded pin studs so that only removal of the nut is required to replace the component.



Dual-vat configuration illustrated. In full-vat units, left filter handle is not present.

1.10 Basket Lift Service Procedures

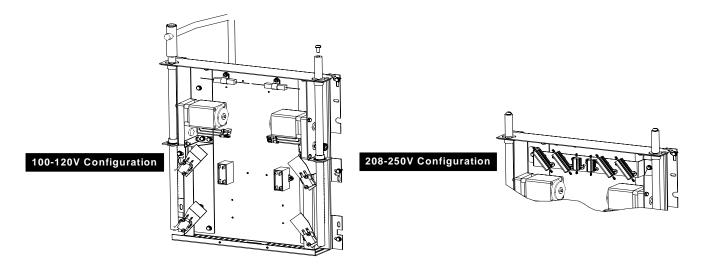
RE Series electric fryers may be equipped with automatic basket lifts. Basket lifts always come in pairs, although each operates independently.

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[®] 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

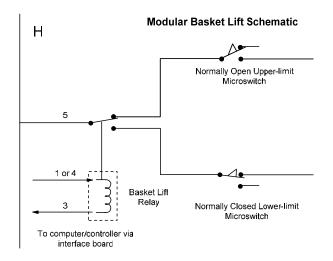
With the modular basket lift, the most likely problem to be encountered in this category is erratic motion of the lift due to a worn drive gear. Failure to keep the lift rod and bushings properly lubricated will cause unnecessary wear of the gear. The problem is corrected by replacing the worn gear.

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.

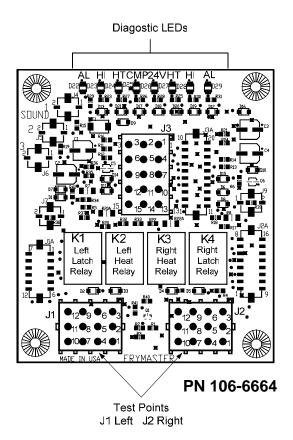
ELECTRONIC PROBLEMS

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 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 |

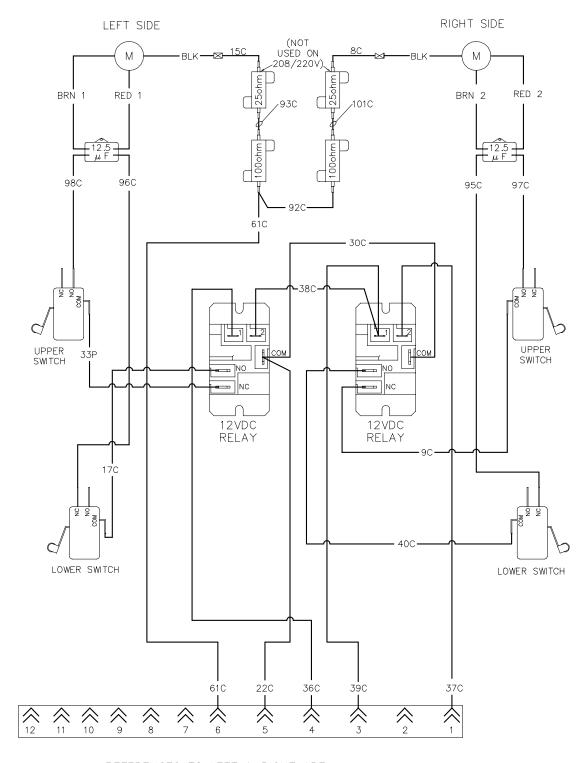
| Meter Setting | Test | Pin | Pin | Results |
|----------------------------|---------------|----------|----------|------------|
| 12 VAC Power | 50 VAC Scale | 3 of J2 | 1 of J2 | 12-16 VAC |
| 24 VAC Power | 50 VAC Scale | 2 of J2 | Chassis | 24-30 VAC |
| *Probe Resistance (RH) | R X 1000 OHMS | 11 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

| | Probe Resistance Chart | | | | | | | | | | | | | | | | |
|-----|---|----|--|-----|------|----|--|-----|------|-----|--|-----|------|-----|-----|------|-----|
| | For use with fryers manufactured with Minco Thermistor probes 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 | | 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 |

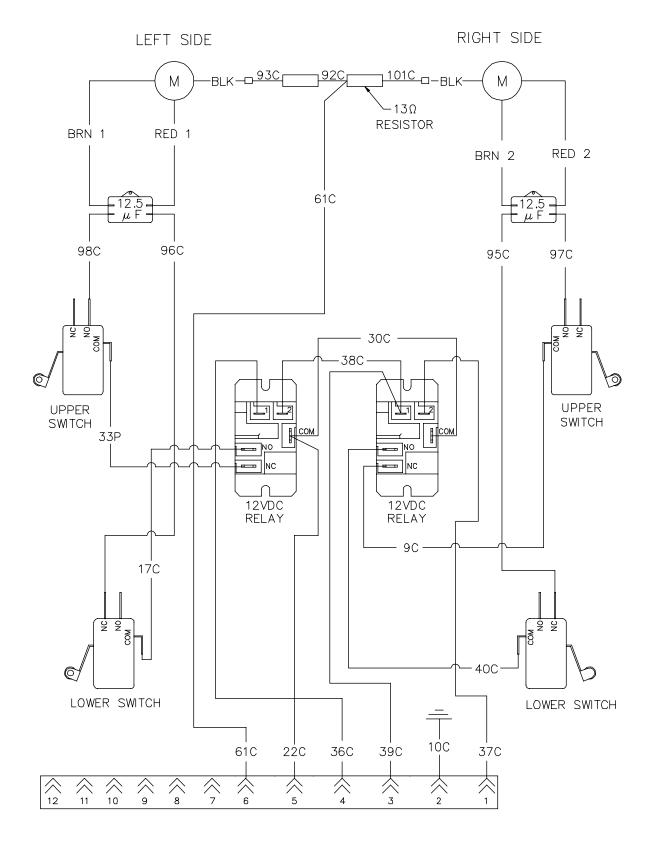
1.13 Wiring Diagrams



1.13.1.1 Modular Basket Lift Wiring Diagram 208-250V



1.13.1.2 Modular Basket Lift Wiring Diagram 100-120V

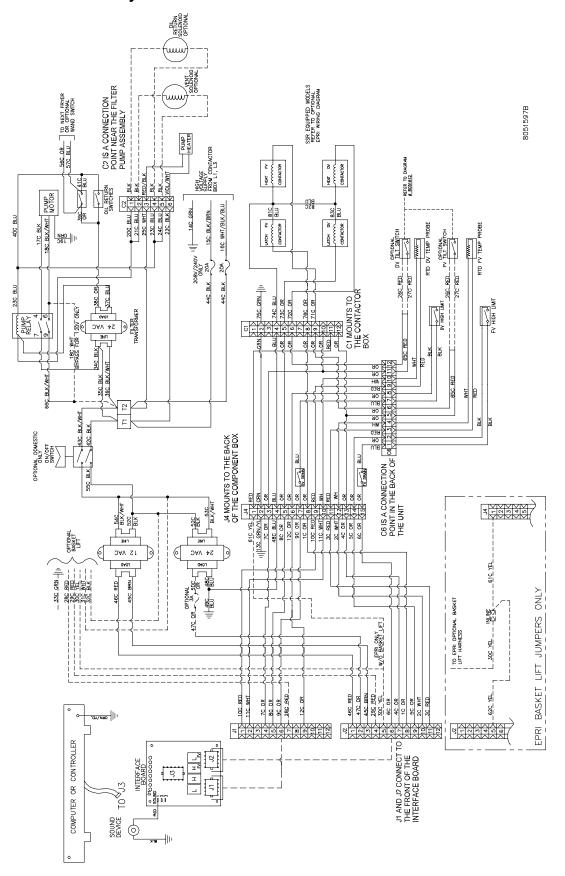


REFERENCES TO LEFT & RIGHT ARE FROM THE REAR OF THE FRYER

8050555E

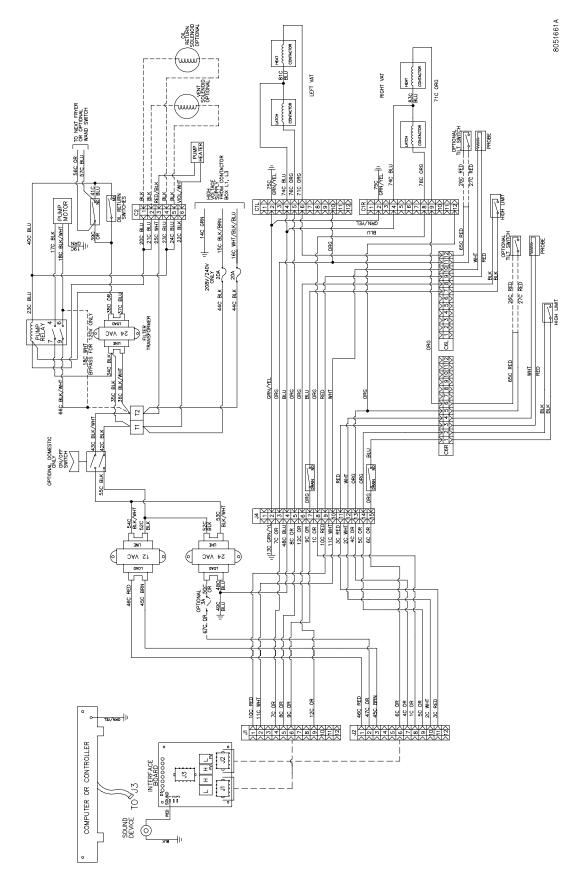
1.13.2 Component Wiring

1.13.2.1 Standard Fryers



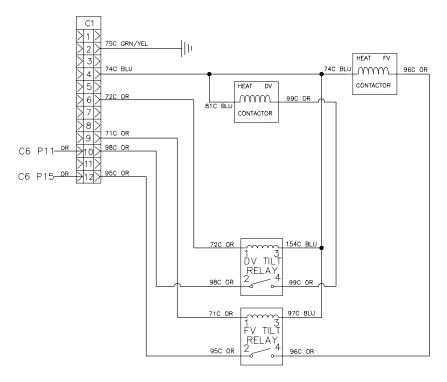
1-19

1.13.2.2 Component Wiring- Fryer and Half



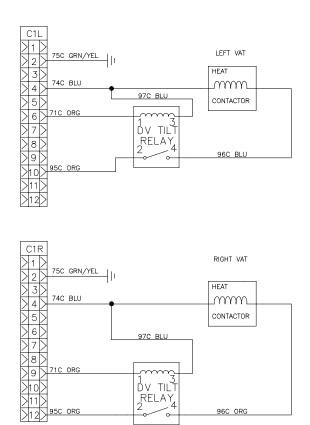
1.13.3 Tilt Switch Wiring

Standard



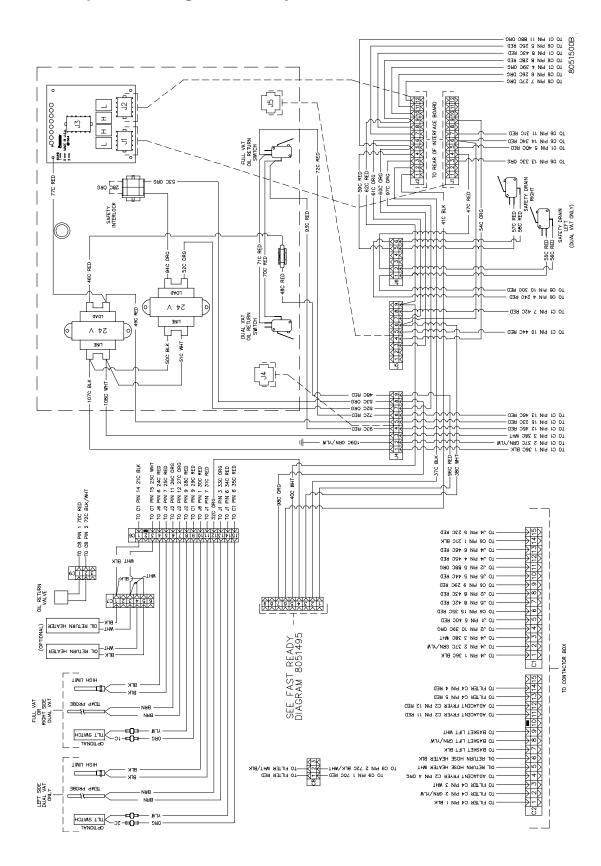
8051612B

Fryer and half

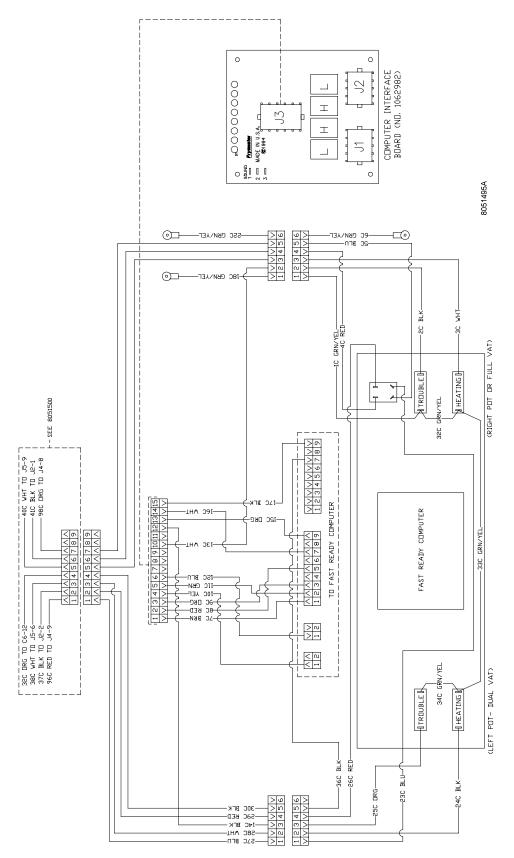


8051662A

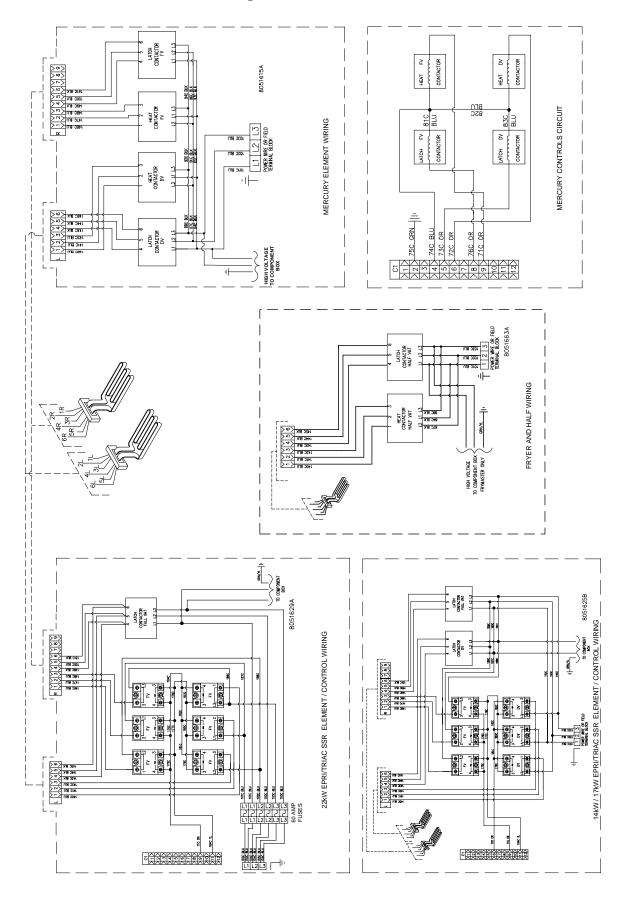
1.13.4 Component Wiring - Fast Ready



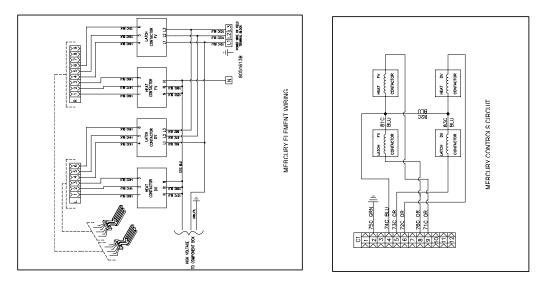
1.13.5 Fast Ready Computer Wiring

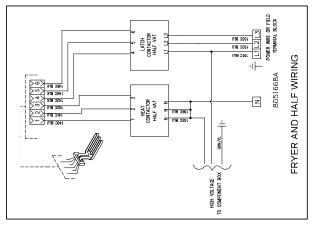


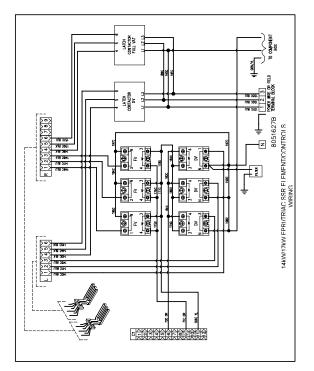
1.13.6 Contactor – DELTA Configuration

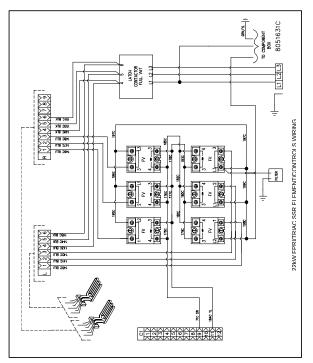


1.13.7 Contactor Box - WYE Configuration Export

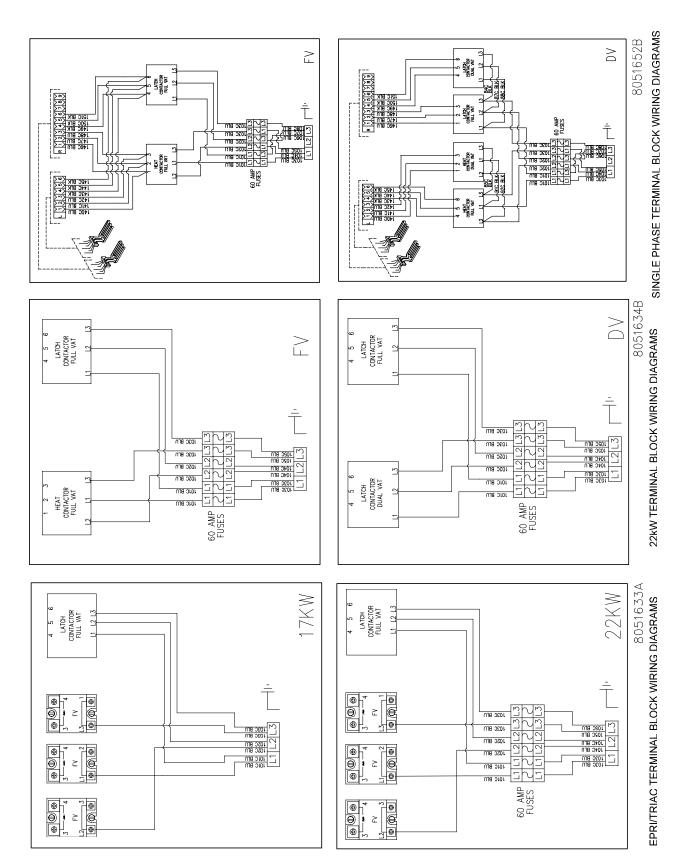




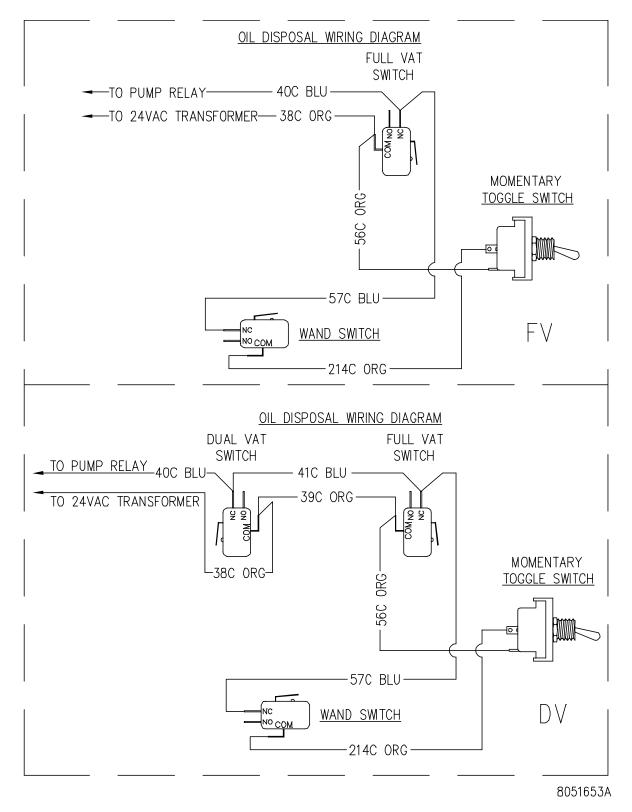


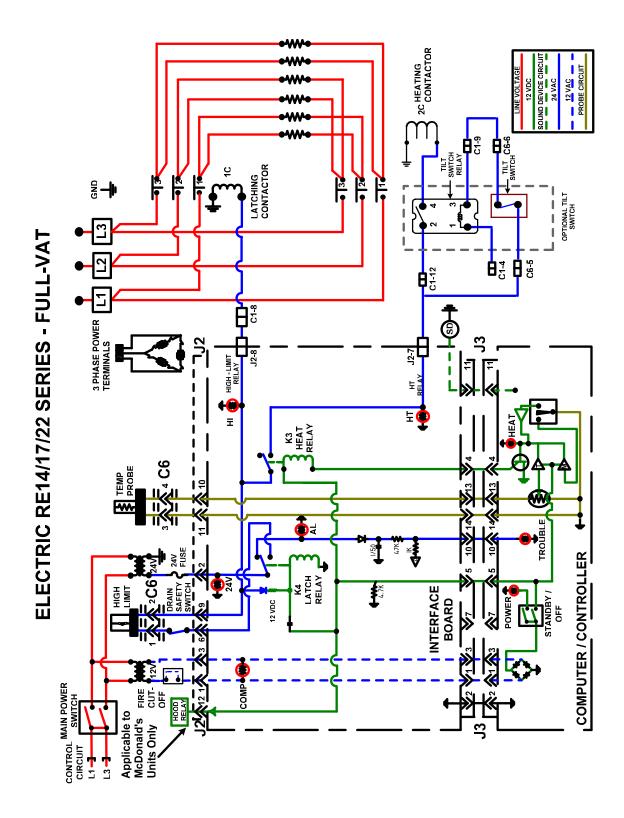


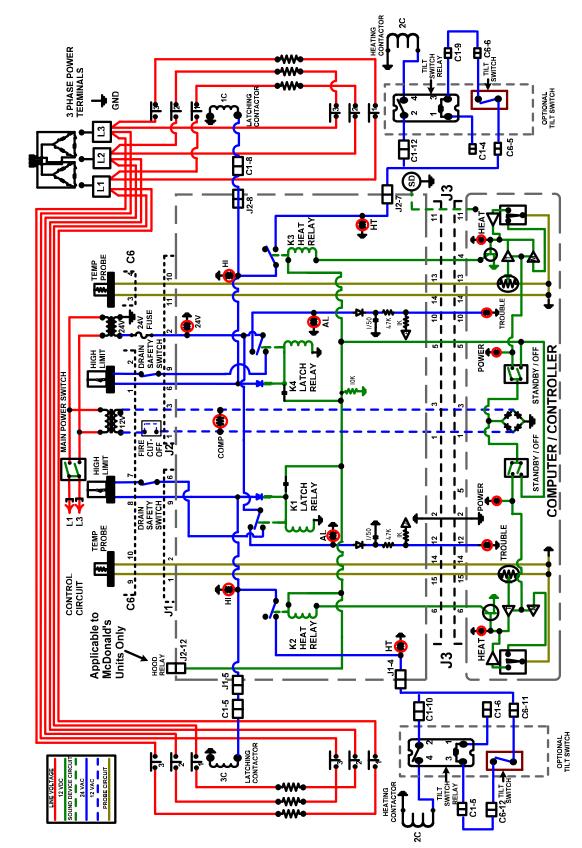
1.13.8 Terminal Block Wiring



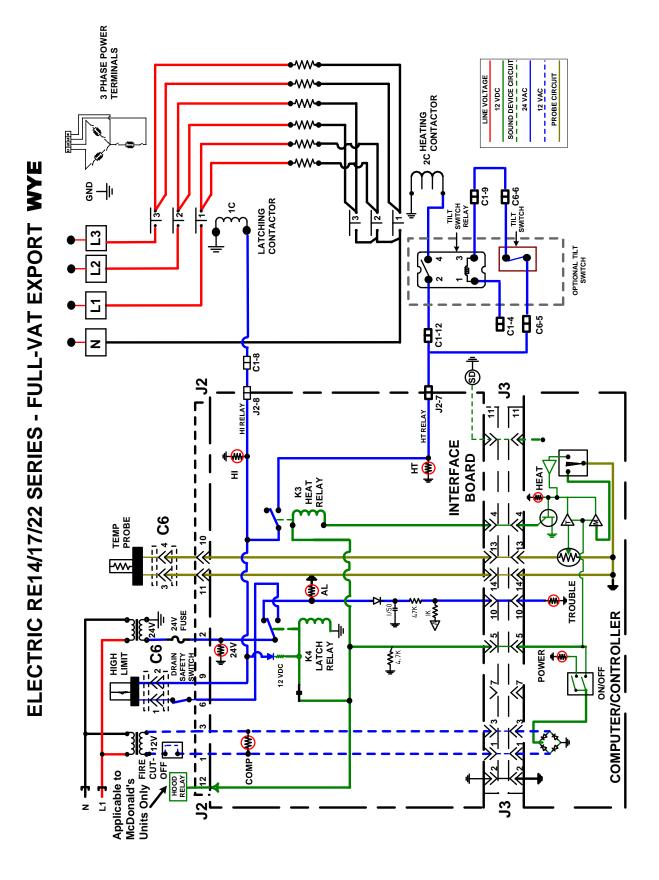
1.13.9 Oil Disposal Wiring



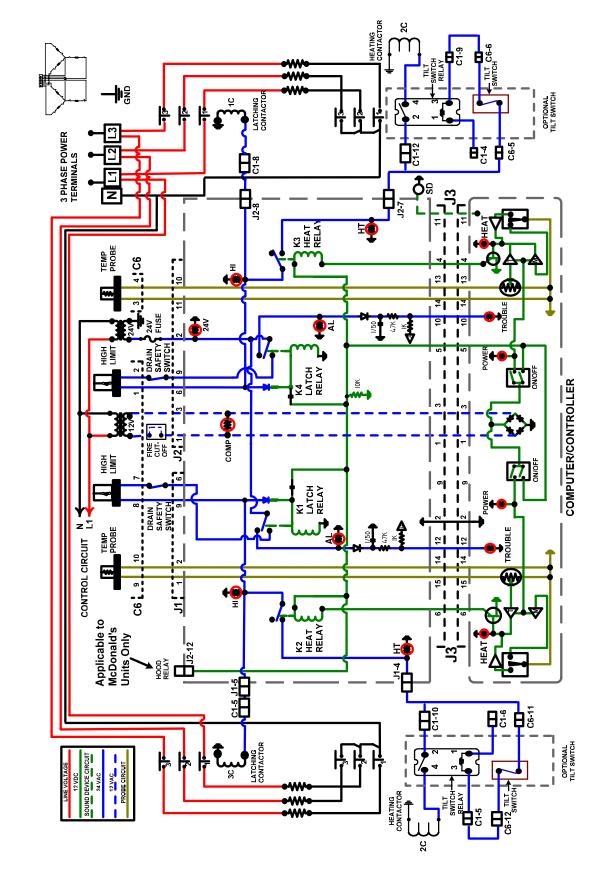




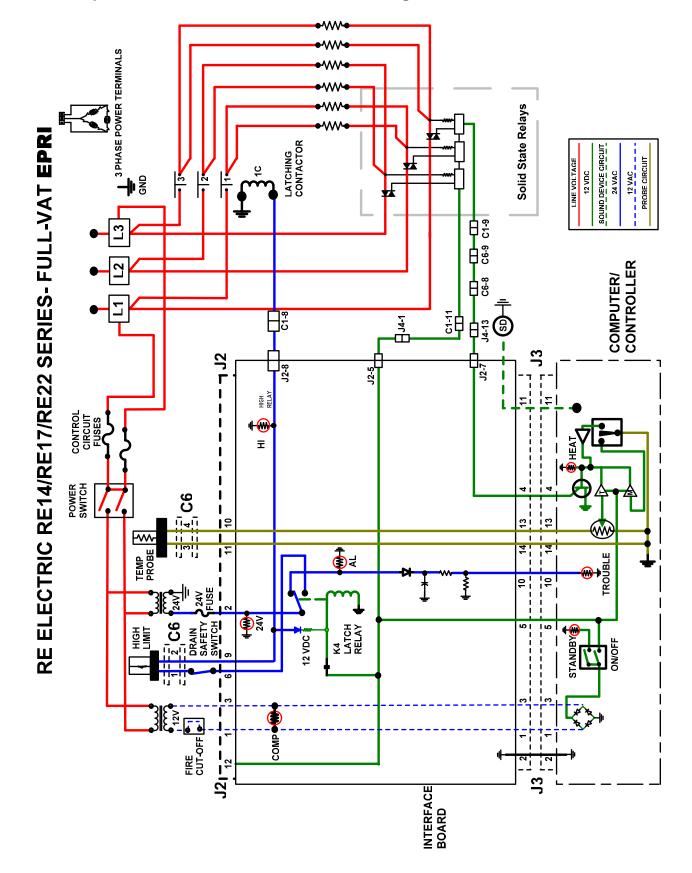
ELECTRIC RE14/17/22 SERIES - DUAL-VAT



1.13.12 Simplified RE14/17/22 Series – Full Vat Wiring (EXPORT) WYE







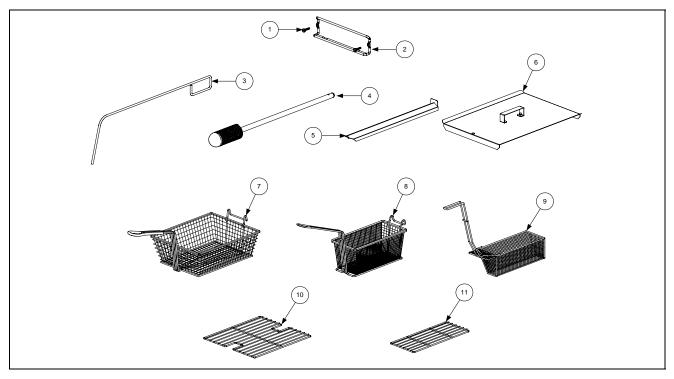
1.13.14 Simplified RE14/17/22 Series – Full Vat Wiring EPRI

3 PHASE POWER TERMINALS Solid State Relays RE ELECTRIC RE14/RE17/RE22 SERIES- FULL-VAT EPRI WYE LATCHING CONTACTOR SOUND DEVICE CIRCUIT 24 VAC PROBE CIRCUIT LINE VOLTAGE 12 VAC 9 12 VDC ľ. ₽₿ Ľ COMPUTER/ CONTROLLER មនី 50 П_{л4-1} ਸੂ ਸੂ ਸੂ ₽₹ ī Ζ с С -Л2 J2-5_ I - - - - - - -= : : : = : 1 I HIGH RELAY L I **+** 1 I Ξ HEAT C6 <u>وا</u> 33 18 (W) | |÷ ~ i 1 4 14 **ਹੈ** ਵ TEMP PROBE TROUBLE ¦6 9 ţ 24V FUSE <u></u> ₹ SF STANDBY K4 LATCH RELAY ŝ ŝ HIGH 12 VDC COMP FIRE CUT-OFF -I J21-12 ~ 13 INTERFACE BOARD

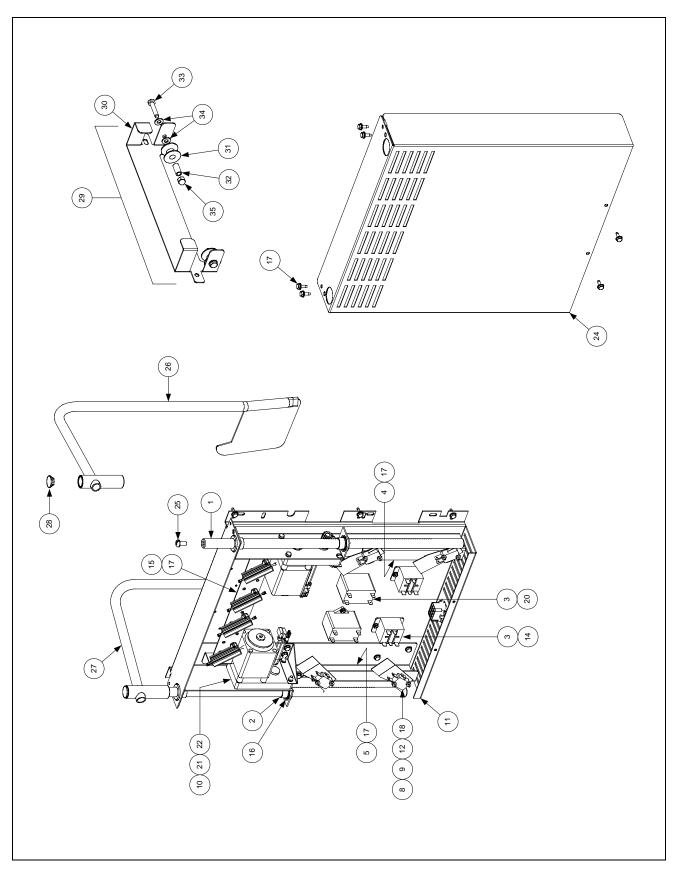
1.13.15 Simplified RE14/17/22 Series – Full Vat Wiring EPRI (EXPORT) WYE

RE SERIES E⁴ ELECTRIC FRYERS CHAPTER 2: PARTS LIST

2.1 Accessories



| ITEM | PART # | COMPONENT |
|------|----------|---|
| 1 | 809-0171 | Thumbscrew, ¹ / ₄ -20 X 1 ³ / ₈ -inch |
| 2 | 810-2793 | Hanger, Wireform Basket (use 810-2794 for Fryer 1/2) |
| * | 809-0921 | Spacer, Basket Hanger |
| 3 | 803-0197 | Cleanout Rod, 27-inch |
| 4 | 803-0209 | Brush, Frypot |
| 5 | 823-5772 | Connecting Strip, Frypot (use 823-6000 for LH, use 823-5966 for RH Fryer 1/2) |
| | 823-5807 | Connecting Strip, Frypot Deep Cabinet |
| 6 | 806-3068 | Cover, Full-Vat Frypot |
| | 806-3071 | Cover, Dual-Vat Frypot |
| | 106-6349 | Cover, Full-Vat Frypot Deep Cabinet |
| 7 | 803-0099 | Basket, Full-Vat |
| 8 | 803-0271 | Basket, Dual-Vat (Twin) |
| 9 | 803-0122 | Sediment Tray, Left Dual-Vat |
| * | 803-0123 | Sediment Tray, Right Dual-Vat |
| * | 803-0113 | Sediment Tray, Full-Vat (use 803-0365 for FV Deep Cabinet) |
| 10 | 803-0132 | Rack, Full-Vat Basket Support (use 803-0364 for FV Deep Cabinet) |
| 11 | 803-0106 | Rack, Dual-Vat Basket Support |
| * | 824-1664 | Spreader Pan |
| * | 824-1720 | Cover, Spreader Pan |
| * | 805-1575 | Heatlamp, Merco 120V 2 Bulb (use 806-5278SP for 120V Lamp Assembly) |
| * | 805-1576 | Heatlamp, Merco 240V 2 Bulb (use 806-5285SP for 240V Lamp Assembly) |
| * | 803-0002 | Powder, Filter (80 1-Cup Applications) |
| * | 803-0170 | Pack, 100-Sheet Filter Paper |

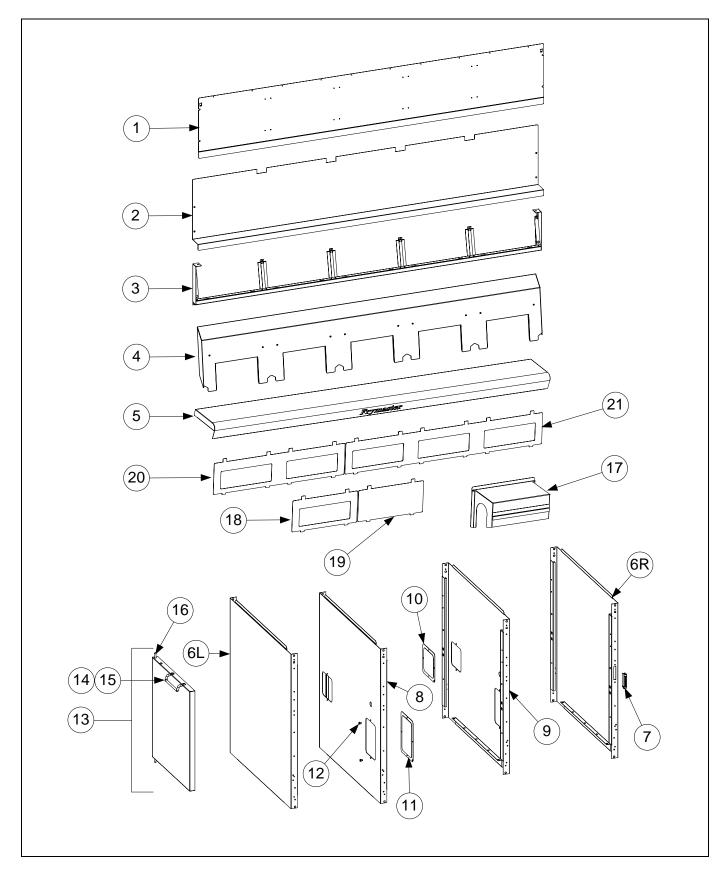


2.2 Basket Lift Assembly and Associated Parts

| ITEM | PART # | |
|------|------------|---|
| | 106-1805SP | COMPONENT Pagkat Lift Assembly, 200, 220VAC w/Palay (Itams 1, 22) |
| 1 | 810-1012 | Basket Lift Assembly, 200-220VAC w/Relay (Items 1-23) Rod Pasket Lift |
| 1 | | Rod, Basket Lift |
| 2 | 813-0035 | Bushing, Bronze |
| 3 | 807-2513 | Capacitor, 12.5 µFarad 330VAC |
| 4 | 901-8499 | Chassis, Left Basket Lift Chassis, Bight Bagket 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 | 200-2942 | 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 | 106-2770SP | Resistor Assembly, 208-220VAC Modular Basket Lift |
| 16 | 809-0082 | Ring, Bushing Retainer |
| 17 | 826-1374 | Screw, #10 X ¹ / ₂ -inch Hex Washer Head (Pkg. of 25) |
| 18 | 826-1359 | Screw, 4-40 X 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, #8 X ¹ / ₂ -inch Drill Point Hex Head (Pkg. of 25) |
| 21 | 809-0503 | Screw, 8-32 X ¹ / ₂ -inch Hex Head |
| 22 | 809-0186 | Washer, #8 Lock |
| 23 | WIR-0166SP | Wire Bundle, 200-250VAC Basket Lift w/Relay |
| 24 | 910-4776 | Cover, Modular Basket Lift Rear S/S (Use 900-4776 for Mild Steel) |
| 25 | 809-0127 | Screw, ¹ / ₄ -20 X ¹ / ₂ -inch Slotted Round Head |
| 26 | 823-2704 | Arm, Left Basket Lift |
| 27 | 823-2705 | Arm, Right Basket Lift |
| 28 | 810-0179 | Button, Plug |
| 29 | 806-9110SP | Roller Assembly, Basket Lift |
| 30 | 910-8112 | Bracket, Basket Lift Roller |
| 31 | 810-0194 | Roller, Basket Lift |
| 32 | 810-0374 | Spacer, Basket Lift Roller |
| 33 | 809-0508 | Bolt, ¹ / ₄ -20 X 1 ¹ / ₄ -Inch |
| 34 | 809-0190 | Washer, ¹ / ₄ -inch Flat |
| 35 | 809-0047 | Nut, ¹ / ₄ -20 Cap |
| * | 106-5957 | Wiring Harness, RE Series Electric Basket Lift (Plugs into Item 6) |

2.2 Basket Lift Assembly and Associated Parts cont.

2.3 Cabinetry



2.3.1 Back Panels, Control Panel Frames, Doors, Sides, Tilt Housings, and Top Caps

ITEM **COMPONENT** PART # Back Panel, Upper (Panel for five station fryer shown) 1 220-0421 Single Station Fryer CRS (Use 230-0422 for Stainless Steel) 220-1973 Fryer 1/2 Station Fryer CRS 220-0419 Two Station Fryer CRS (Use 230-0420 for Stainless Steel) 220-0423 Three Station Fryer CRS (Use 230-0424 for Stainless Steel) Four Station Fryer CRS (Use 230-0546 for Stainless Steel) 220-0425 Five Station Fryer CRS (Use 230-0612 for Stainless Steel) 220-0611 2 Back Panel, Center (Panel for five station fryer shown) Single Station Fryer CRS (Use 230-0502 for Stainless Steel) 220-0501 220-1977 Fryer 1/2 Station Fryer CRS 220-0487 Two Station Fryer CRS (Use 230-0490 for Stainless Steel) Three Station Fryer CRS (Use 230-0492 for Stainless Steel) 220-0491 220-0499 Four Station Fryer CRS (Use 230-0500 for Stainless Steel) Five Station Fryer CRS (Use 230-0617 for Stainless Steel) 220-0616 3 Frame, Control Panel (Frame for five station fryer shown) 106-5016 Single Station Fryer 106-6846 Fryer 1/2 Station Fryer 106-5221 Two Station Fryer 106-5018 Three Station Fryer 106-5019 Four Station Fryer 106-5020 Five Station Fryer 4 Tilt Housing (Housing for five station fryer shown) 823-5494 Single Station 823-5999 Fryer ¹/₂ Station LH ¹/₂ fryer (use 823-5965 for RH ¹/₂ fryer) 823-5497 Two Station 823-5489 Three Station 823-5575 Four Station (use 106-7516 for Cracker Barrel) 823-5581 **Five Station** 5 Top Cap (Top cap for five station fryer shown) Single Station (Also requires four 809-0078 10-32 Nutserts) 106-5195 Fryer 1/2 Station LH 1/2 fryer (use 106-6838 for RH 1/2 fryer) (Also requires four 809-106-7060 0078 10-32 Nutserts) 106-5196 Two Station (Also requires four 809-0078 10-32 Nutserts) 106-5197 Three Station (Also requires six 809-0078 10-32 Nutserts) 106-5198 Four Station (Also requires eight 809-0078 10-32 Nutserts) 106-5199 Five Station (Also requires ten 809-0078 10-32 Nutserts) * Heat Shield * 200-9614 Single Station 200-9610 Two Station (Two are used on Four Station) (One used on Five Station) Three Station (One used on Five Station) 200-9611 6L 231-0323 Side, Standard Cabinet Left SS (use 221-0323SP for Enameled Steel) 231-1345 Side, Left Deep Cabinet SS 6R 232-0323 Side, Standard Cabinet Right SS (use 222-0323SP for Enameled Steel) 232-1345 Side, Right Deep Cabinet SS 7 810-1105 Magnet, Door Side, Filter Ready Cabinet Left SS (use 221-0352 for Cold Rolled Steel) 8 231-0352 9 232-0352 Side, Filter Ready Cabinet Right SS (use 222-0352 for Cold Rolled Steel) 10 910-0889 Cover, 5-inch X 5-inch Access Cover, 5-inch X 7-inch Access 910-0890 11 12 809-0359 Screw, #8 X ¹/₄-inch Hex Washer Head Door, Left or Right (Left shown - move handle to opposite side for Right) - Standard 13 106-4397 106-6899 Door, Left or Right – Fryer $\frac{1}{2}$ 14 809-0266 Screw, #10 X 1/2-inch Phillips Truss Head Handle, Eurolook Door (use 230-2088 for Fryer 1/2 handle) 15 210-9739

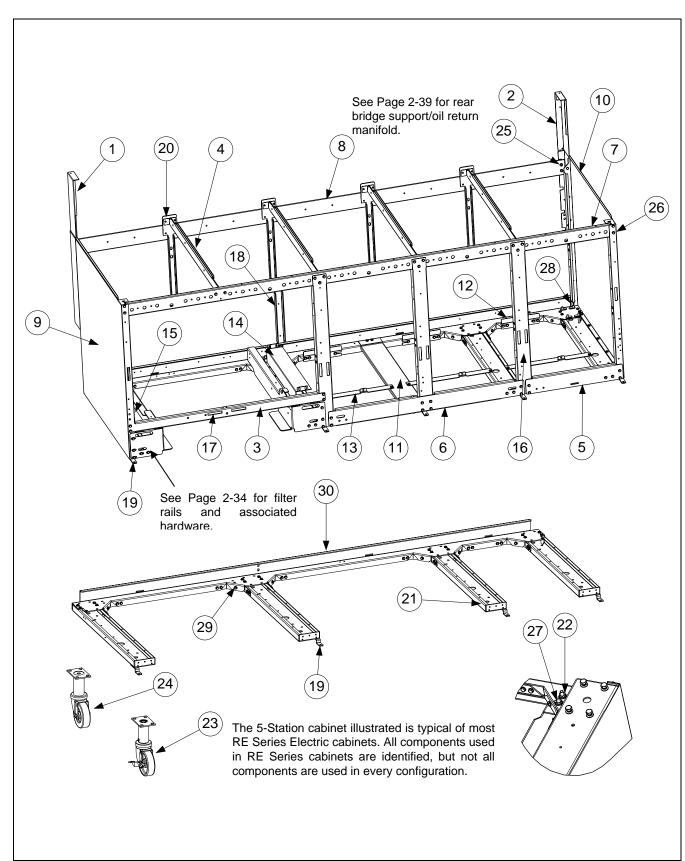
2.3.1 Back Panels, Control Panel Frames, Doors, Sides, Tilt Housings & Top Caps cont.

* Not illustrated.

continued on the following page ...

2.3.1 Back Panels, Control Panel Frames, Doors, Sides, Tilt Housings & Top Caps cont.

| ITEM | PART # | COMPONENT |
|------|----------|---|
| 16 | 106-4067 | Pin Assembly, Door |
| * | 810-0275 | Spring, Door Pin |
| * | 809-0970 | Retaining Ring |
| 17 | 823-5440 | Cove, Element Tilt Housing (use 823-5726 for Fryer 1/2) |
| 18 | 210-5046 | Bezel, One-Controller (use 230-1953 for Fryer ¹ / ₂) |
| 19 | 210-5623 | Bezel, Blank |
| 20 | 210-5819 | Bezel, Two –Controller |
| 21 | 210-6698 | Bezel, Three-Controller |



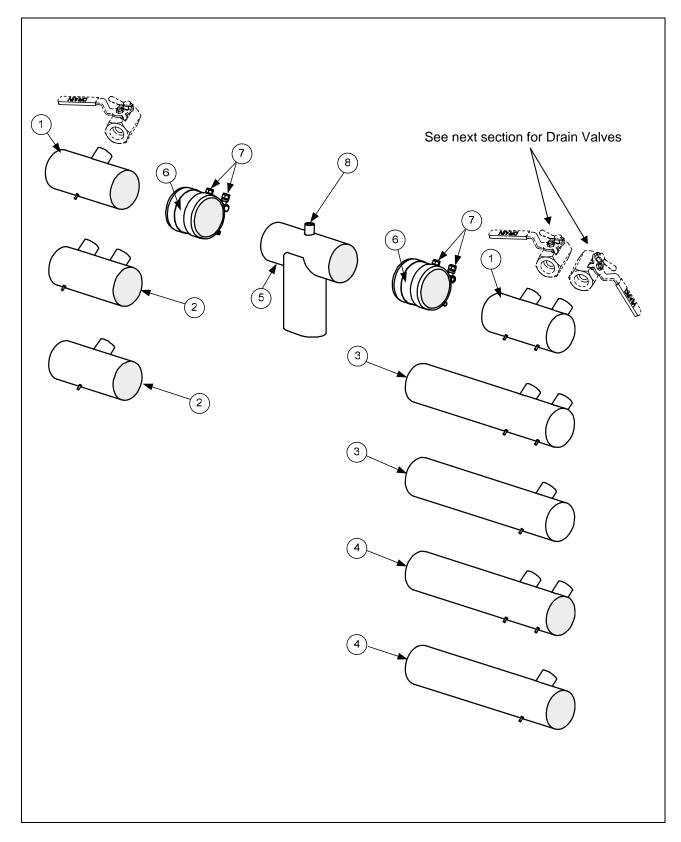
2.3.2 Cabinets, Bases, Braces, and Associated Parts

| ITEM | PART # | es, Braces, and Associated Parts cont. COMPONENT |
|------|-----------|--|
| | | |
| 1 | 106-3828 | Upright Assembly, Left |
| 2 | 106-3829 | Upright Assembly, Right |
| 3 | 200-1651 | Support, Cross Cabinet (use 220-1742 for Fryer ½) |
| 4 | 200-1659 | Divider, Cabinet (use 220-1348 for Deep Cabinet Divider) |
| 5 | 200-2293 | Brace, Single Station Lower |
| 6 | 200-3774 | Brace, Double Station Lower |
| 7 | 200 702 (| Brace, Front Horizontal |
| | 200-7036 | Single-Station Fryer (use 220-0624 for Single-Station Lower Brace) |
| | 220-1740 | Fryer $\frac{1}{2}$ Station Fryer |
| | 200-7037 | Two-Station Fryer |
| | 200-7038 | Three-Station Fryer |
| | 200-7039 | Four-Station Fryer |
| | 200-7040 | Five-Station Fryer |
| 8 | | Brace, Rear Horizontal |
| | 200-5356 | Single-Station Fryer |
| | 220-1711 | Fryer ½ Station Fryer |
| | 200-2284 | Two-Station Fryer |
| | 200-2295 | Three-Station Fryer |
| | 200-2725 | Four-Station Fryer |
| | 200-3592 | Five-Station Fryer |
| 9 | 231-0323 | Side, Cabinet LH S/S (use 221-0323 for CRS)(use 231-1345 for Deep Cabinet) |
| 10 | 232-0323 | Side, Cabinet RH S/S (use 222-0323 for CRS)(use 232-1345 for Deep Cabinet) |
| 11 | 220-1100 | Support, RE Bottom Contactor Box |
| 12 | 220-1095 | Support, RE Rear Contactor Box |
| 13 | 220-1093 | Brace, RE Front Contactor Box |
| * | 220-1294 | Brace, Contactor Box Single-Station Fryer Front |
| 14 | 222-0610 | Bracket, RH Contactor Box Mount (use 222-1845 for Fryer 1/2) |
| 15 | 221-0610 | Bracket, LH Contactor Box Mount (use 221-1845 for Fryer 1/2) |
| * | 220-1446 | Bracket, Contactor Box Mount SCF Deep Cabinet |
| * | 200-6498 | Bridge, Contactor Box Single-Station Fryer |
| 16 | 200-4424 | Post, Door |
| 17 | 810-2346 | Magnet, Door |
| 18 | 200-4786 | Support, Oil Return Manifold |
| 19 | 210-6862 | Hinge, Door |
| 20 | 824-1393 | Bracket, Rear Support (use 200-8253 for Fryer 1/2) |
| 21 | 824-4557 | Channel, Base Side |
| * | 823-5782 | Channel, Base Side SCF Deep Cabinet |
| * | 221-0621 | Channel, Base Left Side Single-Station Fryer (use 222-0621 for RH side) |
| 22 | 809-0131 | Bolt, ¹ / ₄ -20 X ³ / ₄ -inch Hex Head (also used w/Item 27 to mount filter rails) |
| 23 | 810-0326 | Caster with Brake |
| 24 | 810-1494 | Caster without Brake |
| 25 | 826-1376 | Nut, 10-32 Keps Hex (Pkg. of 10) |
| 26 | 826-1374 | Screw, #10 X ¹ / ₂ -inch Hex Washer Head (<i>primary cabinet screw</i>)(Pkg. of 25) |
| 27 | 809-0417 | Nut, ¹ / ₄ -20 Hex Flange |
| 28 | 809-0429 | Bolt, ¹ / ₄ -20 X 2-inch Hex Head |
| 29 | 200-5417 | Brace, Rear Channel Corner |
| 30 | | Channel, Base Rear |
| | 823-5589 | Single-Station Fryer Base (use 220-1737 for Fryer 1/2) |
| | 823-4558 | Two-Station Fryer |
| | 823-4560 | Three-Station Fryer |
| | 823-4561 | Four-Station Fryer |
| | 823-4562 | Five-Station Fryer |
| * | 810-1234 | Leg, Stainless Steel 8.5-inch Adjustable (mounts with Items 27 and 28) |
| * | 810-3010 | Leg, Single Fryer Single-Station Fryer |
| | | |

2.3.2 Cabinets, Bases, Braces, and Associated Parts cont.

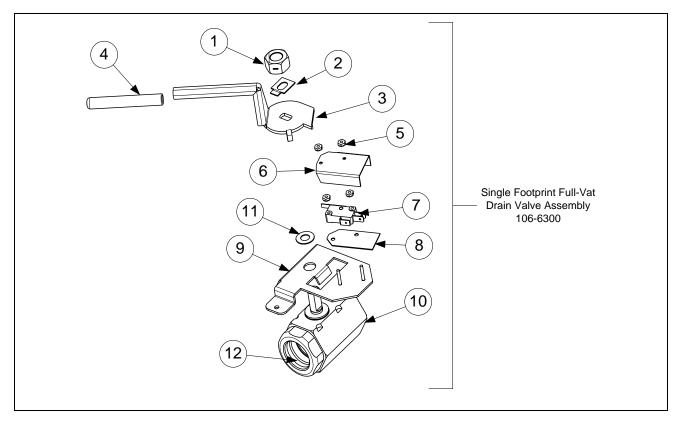
2.4 Drain System Components





| ITEM | PART# | COMPONENT |
|------|----------|--|
| 1 | | Drain Tube, Left/Right End Short |
| | 823-4625 | Full-Vat |
| | 823-4624 | Dual-Vat |
| | 823-5943 | Fryer ¹ / ₂ , RH ¹ / ₂ Fryer |
| | 823-6003 | Fryer ¹ / ₂ , LH ¹ / ₂ Fryer |
| 2 | | Drain Tube, Left/Right Open Short |
| | 823-4643 | Full-Vat |
| | 823-4642 | Dual-Vat |
| 3 | | Drain Tube, Right End Long |
| | 823-4639 | Full-Vat |
| | 823-4638 | Dual-Vat |
| 4 | | Drain Tube, Left/Right Open Long |
| | 823-4641 | Full-Vat |
| | 823-4640 | Dual-Vat |
| 5 | 823-4892 | Drain Outlet Center Dump |
| | 823-5944 | Fryer ¹ / ₂ , RH ¹ / ₂ Fryer |
| | 823-6004 | Fryer ¹ / ₂ , LH ¹ / ₂ Fryer |
| 6 | 816-0625 | Sleeve |
| 7 | 809-0969 | Clamp |
| * | 816-0630 | Vinyl Cap |
| 8 | 810-2492 | Fitting, Quick-Connect Straight (receives Teflon vent tube) |
| * | KIT6033 | Kit, Round Drain Clamp (contains 2 of Item 7 and 1 of Item 6) |
| * | 811-1071 | Tube, Teflon Vent (sold by the foot) |

2.4.1 Euro-Look Drain Tube Sections and Associated Parts cont.



2.4.2 Drain Valves and Associated Parts (Units with Built-In Filtration)

| 2.4.2 Drain Valves and Associated Parts (Units with Built- | in Filtration) cont. |
|--|----------------------|
|--|----------------------|

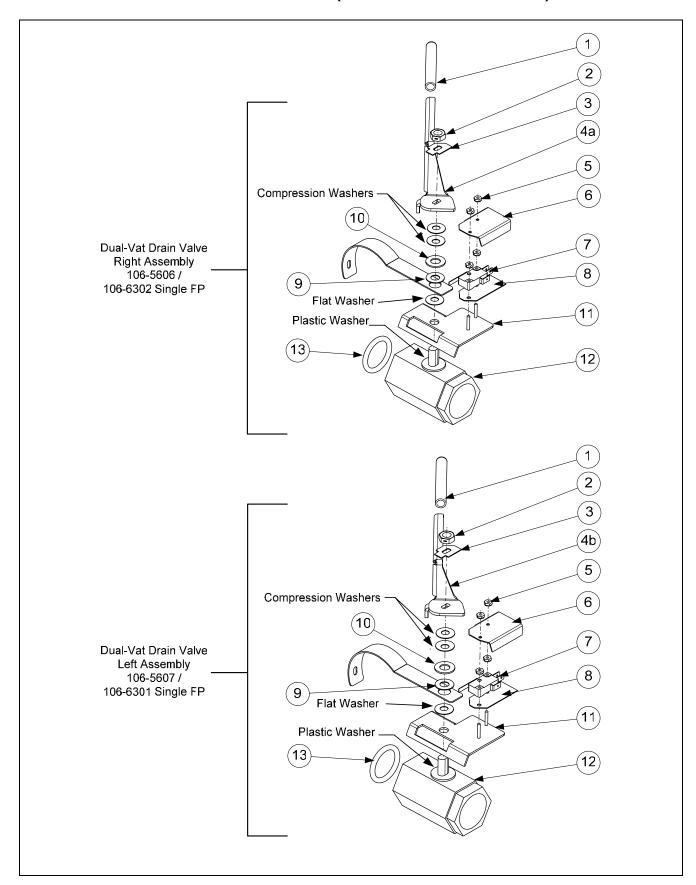
| ITEM | PART # | COMPONENT |
|------|----------|---|
| 1 | 809-0540 | Nut, ¹ / ₂ -13 2-Way Hex Lock |
| 2 | 900-2936 | Retainer, Full-Vat Nut Drain Valve |
| 3 | 824-1602 | Handle, Full-Vat Drain Valve |
| 4 | 816-0639 | Cap, Red Handle |
| 5 | 809-0237 | Nut, 4-40 Keps Hex |
| 6 | 901-2348 | Cover, Dual Vat Drain Safety Switch |
| 7 | 807-2103 | Microswitch, CE Straight Lever |
| 8 | 816-0220 | Insulation, Drain Safety Switch |
| 9 | 106-5391 | Bracket Assembly, Full-Vat Drain Safety Switch Single FP Only |
| 10 | 810-1018 | Valve, 1.25-inch Full-Vat Drain |
| 11 | 810-1165 | Washer, Teflon Drain Valve |
| 12 | 816-0135 | O-Ring, Round Drain |

1 2 3 Compression Washers 6 5 Full-Vat Drain Valve Assembly 106-3760 / -7 Fryer 1/2 106-7004 8 9 11 10 0 ŀ Б 12 13

2.4.2 Drain Valves and Associated Parts (Units with Built-In Filtration) cont

2.4.2 Drain Valves and Associated Parts (Units with Built-In Filtration) cont.

| ITEM | PART# | COMPONENT |
|------|----------|---|
| 1 | 809-0540 | Nut, ¹ / ₂ -13 2-Way Hex Lock |
| 2 | 900-2936 | Retainer, Full-Vat Drain Valve Nut |
| 3 | 824-1602 | Handle, Full-Vat Drain Valve |
| | 824-1740 | Handle, Fryer ¹ / ₂ Half Vat |
| 4 | 816-0639 | Cap, Red Handle |
| 5 | 809-0237 | Nut, 4-40 Keps Hex |
| 6 | 901-2348 | Cover, Dual Vat Drain Safety Switch |
| 7 | 807-2103 | Microswitch, CE Straight Lever |
| 8 | 816-0220 | Insulation, Drain Safety Switch |
| 9 | 810-1165 | Washer, Teflon Drain Valve |
| 10 | 200-6496 | Support, 3" Drain |
| 11 | 806-8137 | Bracket Assembly, Full-Vat Drain Safety Switch |
| | 106-7005 | Bracket Assembly, Fryer ¹ / ₂ |
| 12 | 810-1018 | Valve, 1.25-inch Full-Vat Drain |
| 13 | 816-0135 | Round Drain O-Ring |

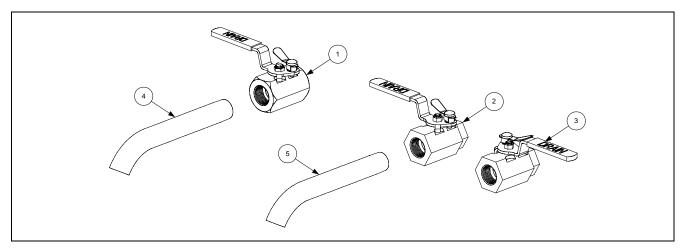


2.4.2 Drain Valves and Associated Parts (Units with Built-In Filtration) cont.

| ITEM | PART# | COMPONENT |
|------------|-----------|--|
| 1 | 816-0639 | Cap, Drain Handle |
| 2 3 | 809-0539 | Nut, ³ / ₈ -16 2-Way Hex Lock |
| 3 | 900-2934 | Retainer, Dual-Vat Drain Valve Nut |
| 4a | 824-1636 | Handle, Dual-Vat Right Drain Valve |
| 4b | 824-1637 | Handle, Dual-Vat Left Drain Valve |
| 5 | 809-0237 | Nut, 4-40 Keps Hex |
| 6 | 901-2348 | Cover, Dual Vat Drain Safety Switch |
| 7 | 807-2103 | Microswitch, CE Straight Lever |
| 8 | 816-0220 | Insulation, Drain Safety Switch |
| 9 | 810-1165 | Washer, Teflon Drain Valve |
| 10 | 809-0196 | Washer, ³ / ₈ -inch Flat |
| 11 | 106-2671 | Bracket Assembly, Dual-Vat Drain Safety Switch |
| | 106-6304 | Bracket Assembly, Dual-Vat Drain Safety Switch Single Footprint Only |
| 12 | 810-1114 | Valve, 1-inch Dual-Vat Drain |
| 13 | 816-0135 | Round Drain O-Ring |
| * | 823-5592 | Tube, Drain Single-Station Only with Filter |
| * Not illu | istrated. | · · · · · · · · · · · · · · · · · · · |

2.4.2 Drain Valves and Assoc. Parts (Units with Built-In Filtration) cont.

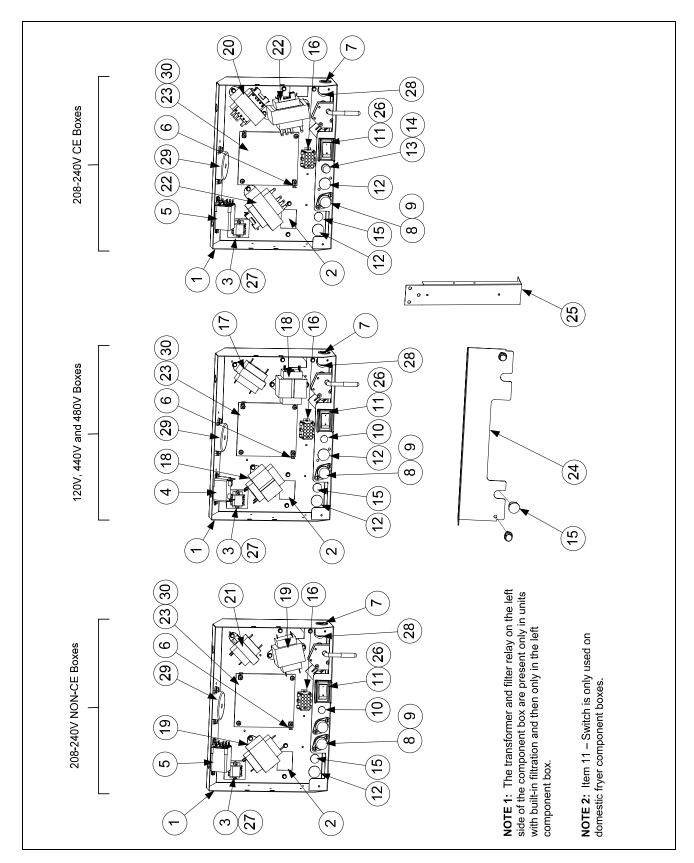
2.4.3 Drain Valves and Associated Parts (Units without Built-In Filtration)



| ITEM | PART # | COMPONENT |
|------|------------|---|
| 1 | 810-1569 | Valve, 1.25-inch Non-Filter Full-Vat Drain |
| 2 | 806-7915SP | Valve, 1-inch Non-Filter Dual-Vat Left Drain |
| 3 | 806-7916SP | Valve, 1-inch Non-Filter Dual-Vat Right Drain |
| 4 | 812-1226 | Drain Extension, 1.25-inch |
| 5 | 812-1227 | Drain Extension, 1-inch |

2.5 Electronics and Wiring Components

2.5.1 Component Boxes

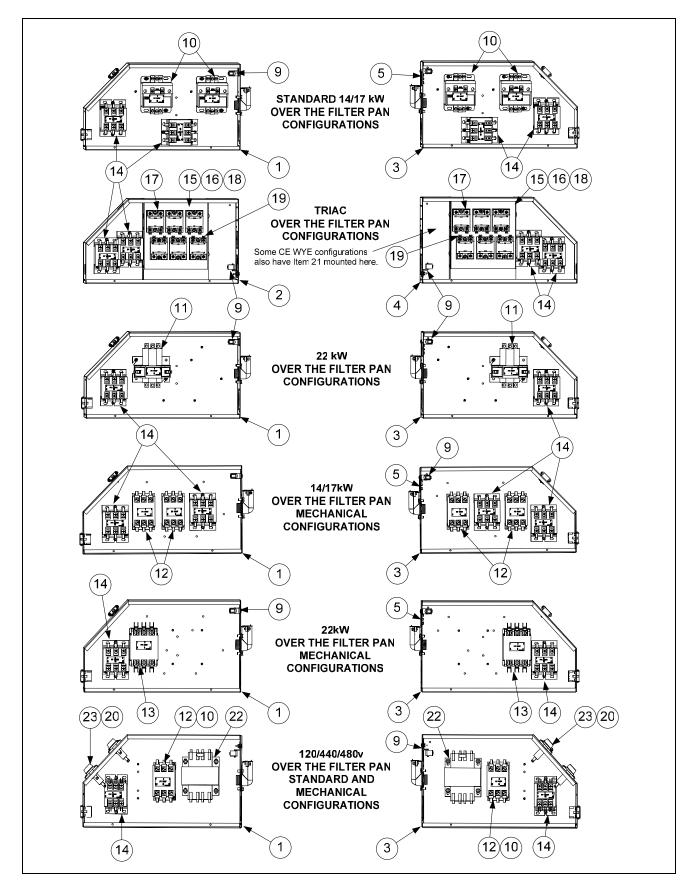


2.5.1 Component Boxes cont.

| ITEM | mponent воз PART # | COMPONENT |
|------------|-----------------------|---|
| 1 | 106-5592 | Box Assembly, Component Standard |
| 1 | 106-6747 | Box Assembly, Component Fryer $\frac{1}{2}$ |
| 2 | 200-3300 | Bracket, Component Box Strain Relief |
| 3 | 806-9495SP | Terminal Block |
| 4 | 807-0012 | Relay, Filter 18 Amp ¹ / ₃ HP 24V |
| 5 | 807-0670 | Relay, Filter Mintex DPDT 24V |
| 6 | 807-0037 | Terminal, ¹ / ₄ -inch Push-on |
| 7 | 807-0121 | Bushing, Heyco Plastic AB-625-500 |
| 8 | 807-0922 | Holder, Buss Fuse HPS |
| 9 | 807-2278 | Fuse, 20 Amp |
| 10 | 810-2446 | Plug, Button .50 Heyco Double "D" |
| 11 | 807-4036 | Switch |
| | 807-3575 | Plug, Carling Switch Hole (used on some models without a switch) |
| 12 | 807-1947 | Plug, Button .875 Dome |
| 13 | 807-1321 | Holder, AGC Panel Mount ¹ / ₄ " Fuse (Some models use item 10 here.) |
| 14 | 807-1597 | Fuse, 3 AMP Slow-Blow |
| 15 | 810-2445 | Plug, Button .625 Heyco Double "D" |
| 16 | 106-5750 | Harness Assembly, RE FV Control |
| | 106-5751 | Harness Assembly, RE DV Control |
| 17 | 807-0855 | Transformer, 100-120V/12V 20VA |
| 18 | 807-0800 | Transformer, 100-120V/24V 50VA Filter |
| 19 | 807-0680 | Transformer, 208-240V/24V 20VA Filter |
| 20 | 807-2191 | Transformer, 208-240V/12V 30VA |
| 21 | 807-0979 | Transformer, 208-240V/12V 43VA |
| 22 | 807-2180 | Transformer, 208-240V 50VA Filter |
| 23 | | Interface Board (On SMT interface boards the relays are not replaceable.) |
| | 826-2260 | Standard, Full- or Dual-Vat (SMT) |
| _ | 106-6693 | EPRI, Full- or Dual-Vat |
| | 106-5290 | Fast Computer, Full- or Dual-Vat |
| * | 807-3932 | Relay, Latch/Heat 12VDC SPDT 12A Sealed (On SMT interface |
| | | boards the relays are not replaceable.) |
| * | 106-6501 | Fallback Controller Assembly RE |
| 24 | 220-0565 | Guard, Finger Domestic and Non-CE |
| 25 | 220-1061 | Guard, Finger Non-Domestic and CE |
| 25 | 200-6654 | Brace, Component Box |
| 26 | 230-0834 | Guard, RE Box Switch |
| 27 | 816-0217 | Paper, Insulating Terminal Block |
| 28 | 810-0045 | Bushing, .875 Diameter 11/16" |
| 29 | 806-7179SP | Sound Device Std. (Use 810-3141 for SMT sound device with SMT |
| * | 807 4220 | connector) Sound Davias Adapter Herness (SMT) |
| | 807-4330 809-0349 | Sound Device Adapter Harness (SMT) |
| 30 * | 809-0349 826-2249 | Spacer, 4mm X 6mm Aluminum RE Hood/Ansul Interlock Kit (includes terminal block, wires and connectors) |
| * Not illu | | TE HOOU/Ansul Interfock Kit (includes terminal block, whes and connectors) |

2.5.2 Contactor Boxes



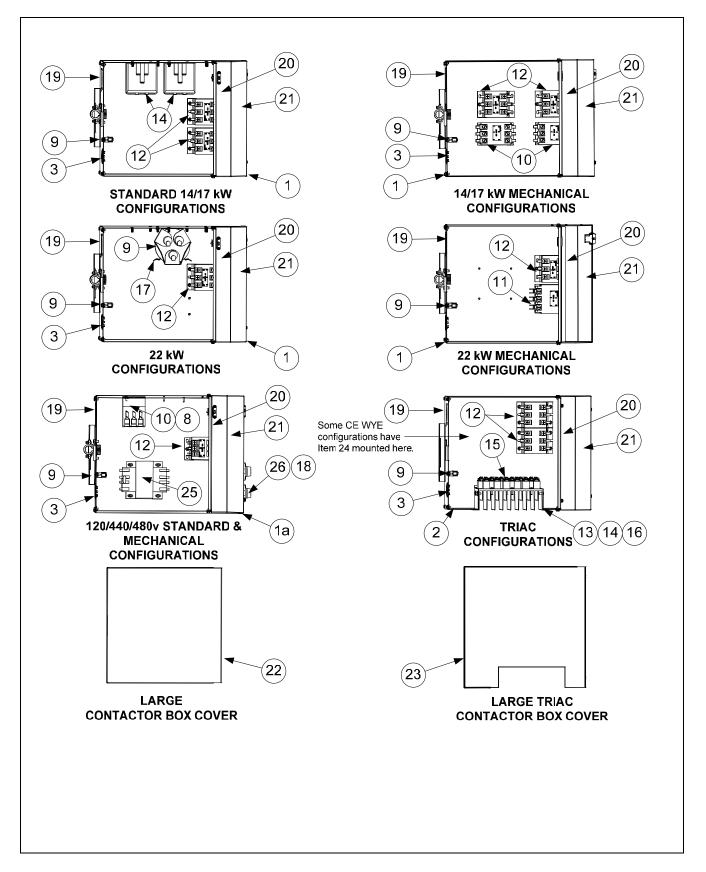


2.5.2.1 Left and Right Over the Filter Pan Contactor Box Configurations cont.

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 configurations illustrated show most possible components, but a particular configuration may not have all the components shown.

| ITEM | PART # | COMPONENT |
|------|----------|---|
| 1 | 106-5488 | Box Assembly, Left Contactor Standard (Over the Filter Pan) |
| | 106-7066 | Box Assembly, Left Contactor Fryer ½ Half Fryer on Left |
| 2 | 823-5736 | Box Assembly, Left Contactor EPRI (Over the Filter Pan) |
| 3 | 106-5489 | Box Assembly, Right Contactor Standard (Over the Filter Pan) |
| | 106-6819 | Box Assembly, Right Contactor Fryer 1/2 Half Fryer on Right |
| 4 | 823-5748 | Box Assembly, Right Contactor EPRI (Over the Filter Pan) |
| 5 | 810-2554 | Plug, Cord Cutout 1.125 Button |
| 6 | 807-1947 | Plug, .875 Diameter Dome |
| 7 | 807-0064 | Transformer, 480V/120V 150VA |
| 8 | 807-0922 | Holder, Bus Fuse |
| * | 221-0482 | Cover, Left Hand Standard Contactor Box |
| | 222-2072 | Cover, Left Hand Fryer 1/2 Half fryer on Left |
| * | 222-0482 | Cover, Right Hand Standard Contactor Box |
| | 220-1912 | Cover, Right Hand Fryer ¹ / ₂ Half fryer on Right |
| 9 | 807-0070 | Terminal, Ground Lug |
| 10 | 807-1071 | Contactor, 24V 30 Amp Mercury |
| 11 | 807-0884 | Contactor, 24V 50 Amp Mercury |
| 12 | 807-2284 | Contactor, 24V 50 Amp Mechanical (only in 14kW & 17kW units) |
| 13 | 807-2283 | Contactor, 24V 63 Amp Mechanical (only in 22kW units) |
| 14 | 810-1202 | Contactor, 24V 40 Amp Mechanical |
| 15** | 806-8674 | Heatsink Assembly, DV Solid State Relay (See components below) |
| 16** | 806-8673 | Heatsink Assembly, FV Solid State Relay (See components below) |
| | | Components of Items 15 and 16 |
| 17 | 826-1562 | Kit Relay, Solid State 40 Amp 280V with Heatsink |
| 18 | 807-2749 | Heatsink, Solid State |
| 19 | 807-0037 | Terminal, ¹ / ₄ -inch Push-on |
| 20 | 807-2278 | Fuse, 20 Amp |
| 21 | 106-6204 | Filter Assembly, EPRI (used in CE WYE-configured EPRI units only) |
| 22 | 807-0064 | Transformer, 480V/120V 150VA |
| 23 | 807-0922 | Holder, Bus Fuse |
| * | 221-0610 | Bracket, Left Hand Contactor Box Mounting |
| * | 222-0610 | Bracket, Right Hand Contactor Box Mounting |
| * | 807-0012 | Relay, Tilt Switch 18 Amp 1/3 HP 24 V Coil |
| | | |

* Not illustrated. ** Full Vat has three relays 826-1562, Dual-Vat has six relays.



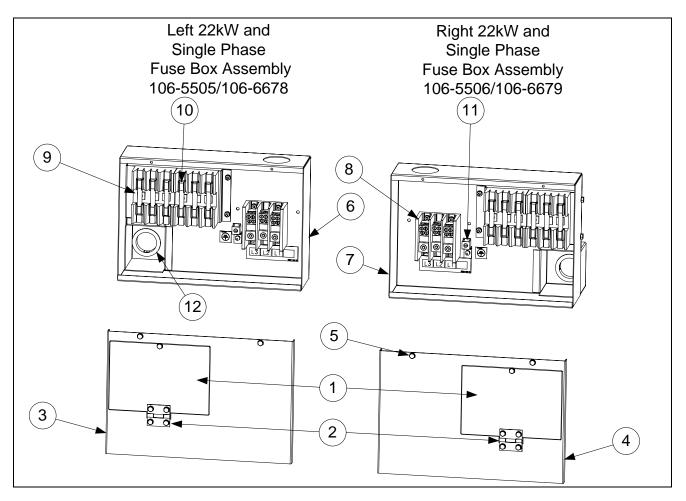
2.5.2.2 Large Center Contactor Box Configurations (Non-Filter, Not over the Filter and Single Units)

2.5.2.2 Large Center Contactor Box Configurations (Non-Filter, Not Over the Filter and Single Units) cont.

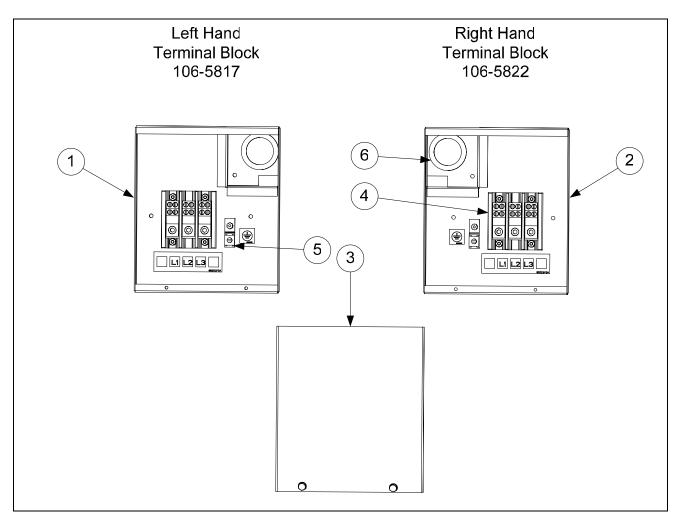
| ITEM | PART # | COMPONENT |
|------|----------|--|
| 1 | 106-6081 | Box Assembly, Contactor (Non-Filter or Not Over the Filter Pan) |
| 1a | 106-6255 | Box, Assembly Contactor (Non-Filter or Not Over the Filter Pan)120/440/480V |
| 2 | 106-6173 | Box Assembly, Contactor EPRI (Non-Filter or Not Over the Filter Pan) |
| * | 106-6244 | Box Assembly, Contactor Single-Station Fryer Only |
| 3 | 810-2554 | Plug, Cord Cutout 1.125 Button |
| 4 | 807-1947 | Plug, .875 Diameter Dome |
| 5 | 221-0482 | Cover, Left Hand Contactor Box |
| 6 | 222-0482 | Cover, Right Hand Contactor Box |
| 7 | 807-0070 | Terminal, Ground Lug |
| 8 | 807-1071 | Contactor, 24V 30 Amp Mercury |
| 9 | 807-0884 | Contactor, 24V 50 Amp Mercury |
| 10 | 807-2284 | Contactor, 24V 50 Amp Mechanical (only in 14kW & 17kW units) |
| 11 | 807-2283 | Contactor, 24V 63 Amp Mechanical (only in 22kW units) |
| 12 | 810-1202 | Contactor, 600V 40 Amp 3-Pole |
| 13** | 806-8674 | Heatsink Assembly, DV Solid State Relay (See components below) |
| 14** | 806-8673 | Heatsink Assembly, FV Solid State Relay (See components below) |
| | | Components of Items 13 and 14 |
| 15 | 826-1562 | Kit Relay, Solid State 40 Amp 280V with Heatsink |
| 16 | 807-2749 | Heatsink, Solid State |
| 17 | 807-0037 | Terminal, ¹ / ₄ -inch Push-on |
| 18 | 807-2278 | Fuse, 20 Amp |
| 19 | 823-5729 | Plate, Contactor Back Cordset |
| 20 | 220-1087 | Bracket, Box Connecting |
| 21 | 220-1088 | Cover, Contactor Box Front |
| 22 | 220-1089 | Cover, Contactor Box Top (Non-Filter or Not Over the Filter Pan) |
| * | 220-1175 | Cover, Contactor Box Top Full Vat Single-Station Fryer Only |
| * | 220-1373 | Cover, Contactor Box Top Dual Vat Single-Station Fryer Only |
| 23 | 220-1152 | Cover, Contactor Box Top EPRI (Non-Filter or Not Over the Filter Pan) |
| 24 | 106-6204 | Filter Assembly, EPRI (used in CE WYE-configured EPRI units only) |
| 25 | 807-0064 | Transformer, 480V/120V 150VA |
| 26 | 807-0922 | Holder, Bus Fuse |
| * | 807-0012 | Relay, Tilt Switch 18 Amp 1/3 HP 24 V Coil |

*Not illustrated. ** Full Vat has three relays 826-1562, Dual-Vat has six relays.

2.5.3 Fuse Boxes

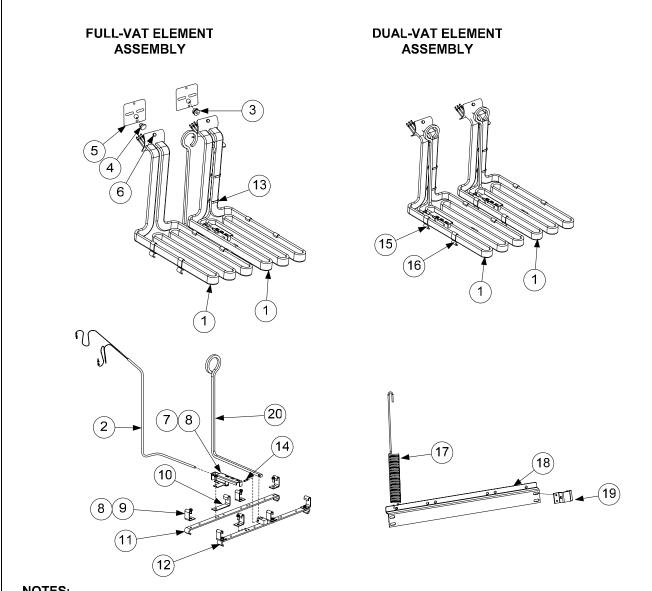


| ITEM | PART # | COMPONENT |
|------|----------|---|
| 1 | 200-2334 | Door |
| 2 | 810-0519 | Hinge |
| 3 | 221-0523 | Cover, LH Fuse Box |
| 4 | 222-0523 | Cover, RH Fuse Box (Used on Single Station Fryers also) |
| 5 | 809-0434 | Screw, #10 x 3/8" Hex |
| 6 | 823-5585 | Box, LH Fuse |
| 7 | 823-5557 | 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 |



| 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 |

2.5.5 Heating Element Assemblies and Associated Parts 2.5.5.1 Element Assemblies and Hardware



NOTES:

The dual-vat assembly is almost the same as the full-vat assembly except for having two of Items 2, 7, 14 and 20, two of Item 15 in place of Item 11, two of Item 16 in place of Item 12, and two of Item 3 instead of one Item 3 and one Item 4. The only difference between element assemblies for different voltage and kW ratings is the element itself (Item 1).

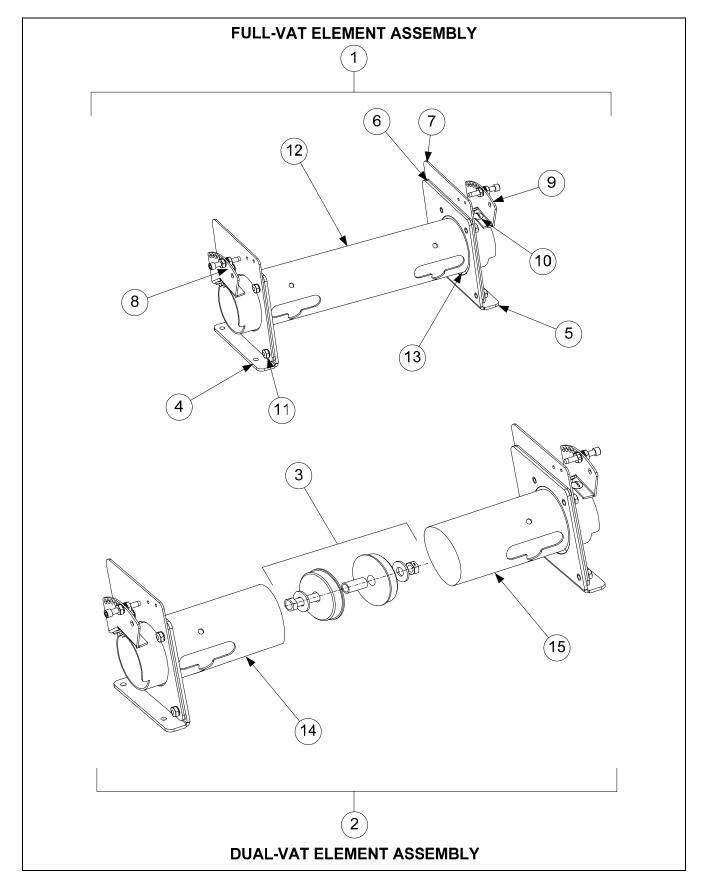
Items 17, 18 and 19 are shown as associated parts. The are not part of either assembly.

NOTE: These elements apply only to the RE series fryers. For the previous model elements see manual PN 819-5990.

| ITEM | PART # | COMPONENT |
|---------------|----------|---|
| 1 | | Element Kits – <i>includes gaskets, grommets, tie wraps, screws and nuts.</i> |
| | 826-2198 | 200V 7.0 kW (also used for 220V 8.5 kW) |
| | 826-2201 | 200V 8.5 kW |
| | 826-2208 | 200V 11.0 kW |
| | 826-2192 | 208V 7.0 kW |
| | 826-2197 | 208V 8.5 kW |
| · – | 826-2210 | 208V 11.0 kW |
| · – | 826-2200 | 220V 7.0 kW (also used for 240V 8.5 kW) |
| | 826-2205 | 220V 11.0 kW |
| | 826-2193 | 230V 7.0 kW |
| | 826-2199 | 230V 8.5 kW |
| | 826-2206 | 230V 11.0 kW |
| | 826-2194 | 240V 7.0 kW |
| | 826-2207 | 240V 11.0 kW |
| | 826-2204 | 400V 8.5kW |
| | 826-2195 | 440V 7.0 kW |
| - | 826-2202 | 440V 8.5 kW |
| | 826-2211 | 440V 11.0 kW |
| | 826-2196 | 480V 7.0 kW |
| | 826-2203 | 480V 8.5 kW |
| | 826-2209 | 480V 11.0 kW |
| 2 | 826-2212 | Probe, Temperature RE – <i>includes tie wraps and grommet</i> . |
| _ | 807-4324 | Probe, Temperature Fast Ready |
| 3 | 816-0681 | Grommet, Probe |
| 4 | 816-0480 | Plug, .375-inch Dome |
| 5 | 816-0688 | Gasket, Element |
| 6 | 809-1003 | Screw, 10-32 X ³ / ₈ -inch Hex Head SS |
| * | 809-0766 | Nut, 10-32 Keps Hex Head SS |
| 7 | 910-5022 | Bracket, Temperature Probe 7.0 kW |
| | 230-0784 | Bracket, Temperature Probe 8.5/11 kW |
| 8 | 809-0518 | Screw, 8-32 X ³ / ₈ -inch Slotted Hex Head |
| 9 | 910-2042 | Clamp, Element (Short) |
| 10 | 230-0781 | Clamp, Element (Long) |
| 11 | 230-0780 | Support, Full-Vat Element Rear |
| 12 | 823-5621 | Support, Full-Vat Element Front |
| 13 | 809-0567 | Tie-Wrap, Metal |
| 14 | 810-1212 | Pin, .125 X .5-inch Split |
| 15 | 230-0791 | Support, Dual-Vat Element Rear Dual Vat (<i>used also in Front Dual Vat 22kw</i>) |
| 16 | 823-5624 | Support, Dual-Vat Element Front Dual Vat 14kW |
| | 823-5627 | Support, Dual-Vat Element Front Dual Vat 17kW |
| 17 | 810-3030 | Spring, Element Lift Left |
| - / | 810-3031 | Spring, Element Lift Right |
| 18 | 220-1190 | Bracket, Lower Spring Single Foot Print |
| | 220-0464 | Bracket, Lower Spring |
| | 220-1855 | Bracket, Lower Spring Fryer ¹ / ₂ |
| 19 | 220-0733 | Bracket, Lower Spring Mating |
| 20 | 810-1233 | Handle, Element Lift |
| * Not illust | | |

2.5.5.1 Heating Element Assemblies and Associated Parts cont.

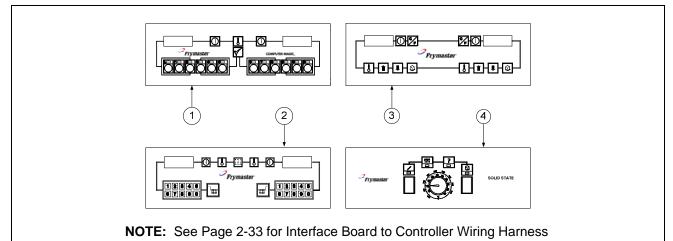
2.5.5.2 Element Tube Assemblies



| ITEM | PART # | COMPONENT |
|------|----------|--|
| 1 | 106-5374 | Tube Assembly RE Element, Full-Vat |
| | 106-6736 | Tube Assembly RE Element Fryer ¹ / ₂ LH Half Fryer (<i>use 106-6061 RH Half Fryer</i>) |
| 2 | 106-5457 | Tube Assembly RE Element, Dual-Vat |
| 3 | 106-5438 | Bushing Assembly, Center Tube RE, Dual-Vat |
| | 809-0996 | Bolt, Stand Hex 1 ¹ / ₂ " x 3/8" – 16 |
| | 809-0998 | Washer, 3/8" SAE |
| | 809-0999 | Nut, 3/8" 16, 2-Way Lock 18-8 |
| | 810-2996 | Bushing, Aluminum DV Tube |
| | 810-3013 | Spacer, RE DV Bushing |
| 4 | 106-5329 | Bracket Assembly, LH Element Tube Support |
| 5 | 106-5330 | Bracket Assembly, RH Element Tube Support |
| 6 | 220-0122 | Plate, Element Tube Support Inner |
| 7 | 220-0123 | Plate, Element Tube Support Outer |
| 8 | 106-6569 | Bracket Assembly, LH Upper Spring |
| 9 | 106-6570 | Bracket Assembly, RH Upper Spring |
| 10 | 826-1330 | Screw, 10-32 X ³ / ₈ -inch Slotted Truss Head (Pkg. of 25) |
| 11 | 809-0766 | Nut, 10-32 Hex HD SS |
| 12 | 106-6037 | Tube, FV Element Mounting |
| | 810-3135 | Tube, Fryer 1/2 LH Half Fryer (use 810-3036 RH Half Fryer) |
| 13 | 810-2993 | Bushing, Tube End Teflon |
| 14 | 106-6038 | Tube, DV Element Mounting, LH |
| 15 | 106-6039 | Tube, DV Element Mounting, RH |
| * | 106-6587 | Magnetic Position Sensor Assembly |
| * | 106-6588 | Magnetic Position Sensor Assembly with Bracket |
| * | 810-3007 | Magnet |
| * | 230-0794 | Bracket, Magnetic Position Sensor Wire |

* Not illustrated.

2.5.6 Controllers



| ITEM | PART # | COMPONENT |
|------|------------|-----------------------------|
| 1 | | Computer Magic III.5 |
| | 106-4335SP | Full-Vat (CE) |
| | 106-4336SP | Dual-Vat (CE) |
| | 106-4373SP | Full-Vat (Non-CE) |
| | 106-4374SP | Dual-Vat (Non-CE) |
| | 106-4337SP | Full-Vat (EPRI/Solid State) |
| | 106-4338SP | Dual-Vat (EPRI/Solid State) |

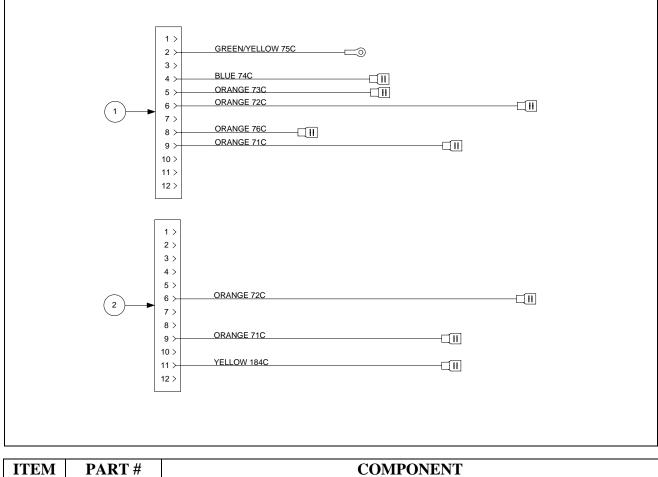
continued on the following page

2.5.6 Controllers cont.

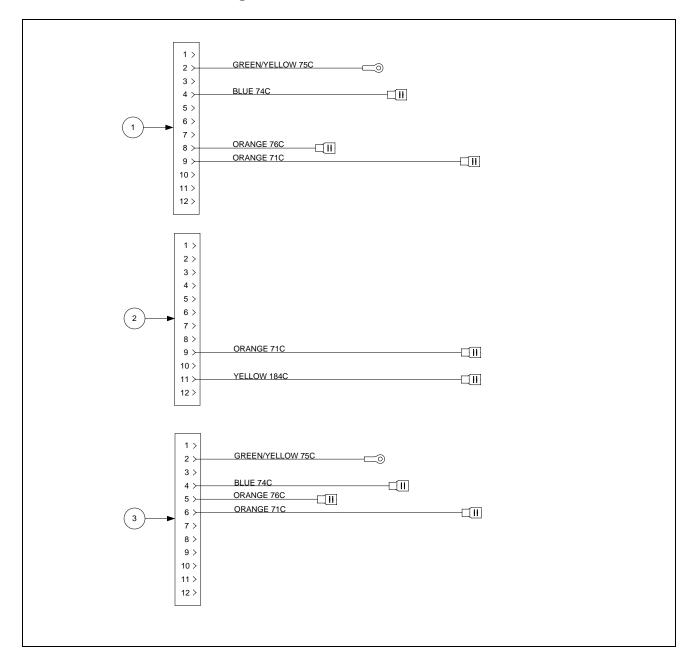
| ITEM | PART # | COMPONENT |
|------|----------|---------------------------------|
| 2 | | Digital Controller |
| | 106-4343 | Full-Vat (CE) |
| | 106-4344 | Dual-Vat (CE) |
| | 106-4339 | Full-Vat (Non-CE) |
| | 106-4340 | Dual-Vat (Non-CE) |
| 3 | | Basket Lift Timer |
| | 106-4365 | Full-Vat (CE) |
| | 106-4366 | Dual-Vat (CE) |
| | 106-4363 | Full-Vat (Non-CE) |
| | 106-4364 | Dual-Vat (Non-CE) |
| 4 | | Solid-State (Analog) Controller |
| | 106-4333 | Full-Vat |
| | 106-4334 | Dual-Vat |
| * | 802-2021 | Graphic Sheet of Symbols |

2.5.7 Wiring

2.5.7.1 Contactor Box Wiring Assemblies – 12-Pin Dual-Vat C-1

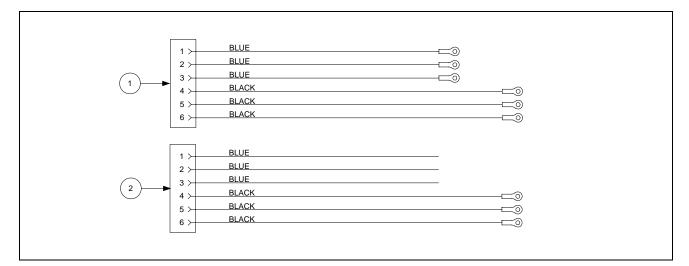


| ITEM | PART # | COMPONENT |
|------|----------|---|
| | 106-5980 | Contactor Box Harness Assembly Dual Vat |
| 1 | | Standard |
| 2 | | EPRI |



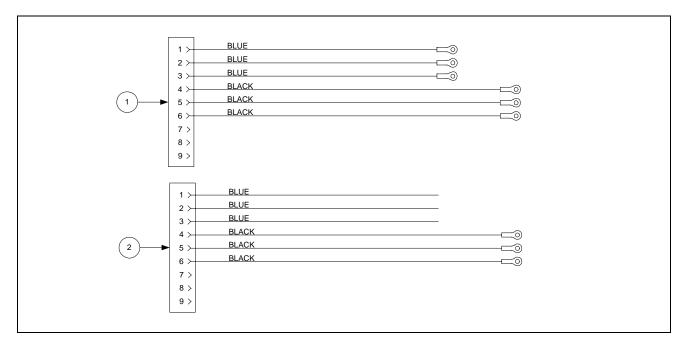
| ITEM | PART # | COMPONENT |
|------|----------|---|
| | 106-6031 | Contactor Box Harness Assembly Full Vat |
| 1 | | Standard |
| 2 | | EPRI |
| 3 | 106-7042 | Fryer and ¹ / ₂ |

2.5.7.3 Contactor Box Wiring Assemblies – 6-Pin (Left Element)

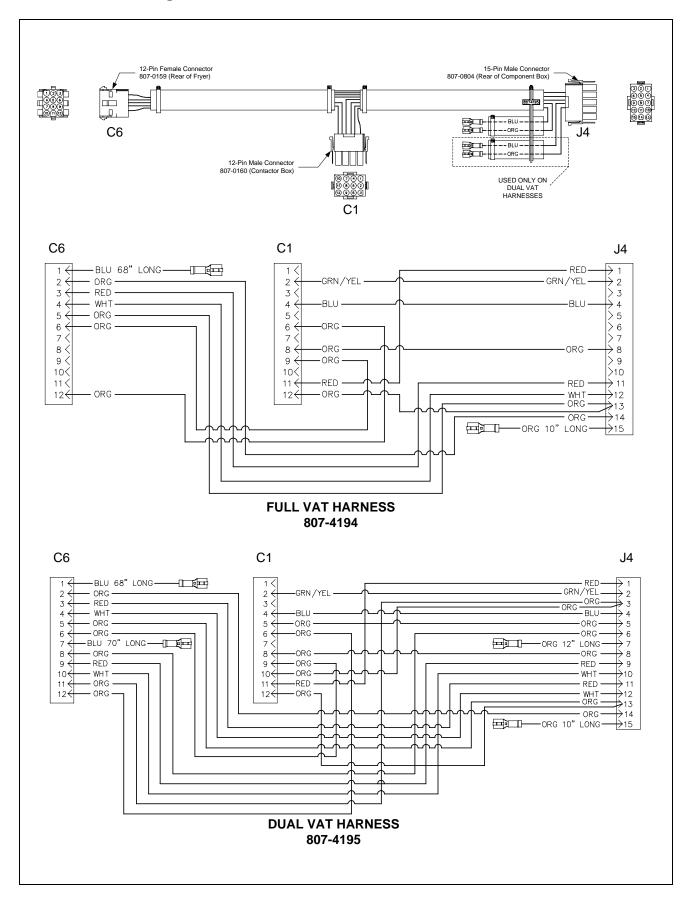


| ITEM | PART # | COMPONENT |
|------|----------|--|
| 1 | 106-6035 | 14/17 kW Standard (use 106-7001 for Fryer 1/2 Half Element) |
| | 106-6251 | Single FP Element Harness 6-pin and 9-pin |
| 2 | 106-6054 | 22 kW and Mechanical Contactor (MDI) |
| | 106-6252 | Single 22kW and Mechanical Contactor (MDI) Element Harness 6 & 9-pin |

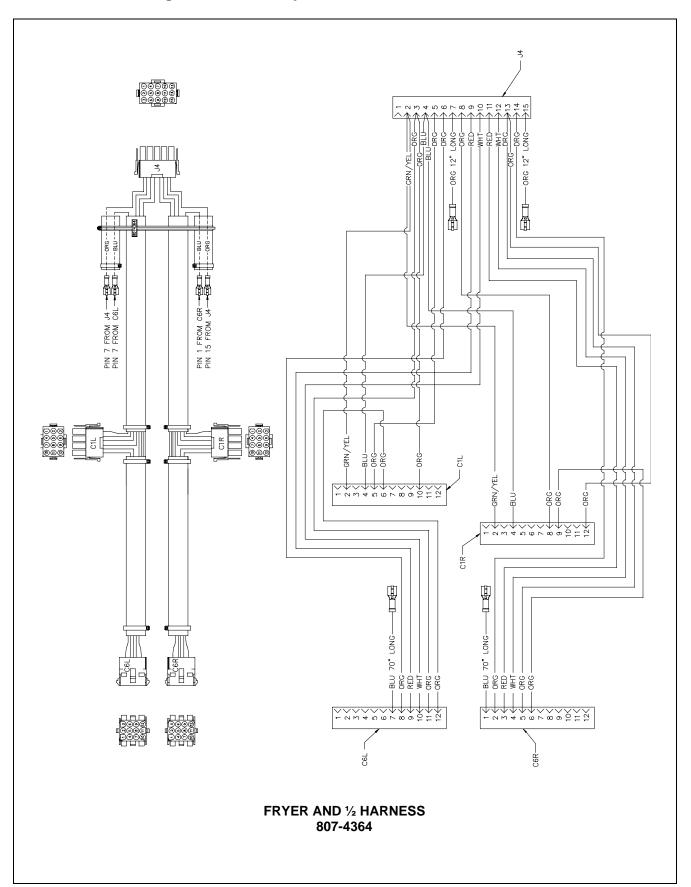
2.5.7.4 Contactor Box Wiring Assemblies – 9-Pin (Right Element)

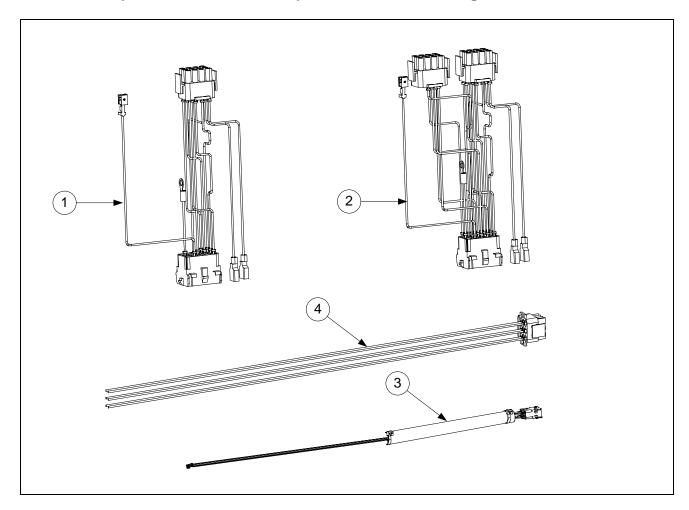


| ITEM | PART # | COMPONENT |
|------|-----------|--|
| 1 | 106-6036 | 14/17 kW Standard (use 106-7002 for Fryer 1/2 Half Element) |
| | See above | Single FP Element Harness 6 and 9-pin |
| 2 | 106-6055 | 22 kW and Mechanical Contactor (MDI) |
| | See above | Single 22kW and Mechanical Contactor (MDI) Element Harness 6 & 9-pin |



2.5.7.5 Main Wiring Harnesses - Full and Dual Vat

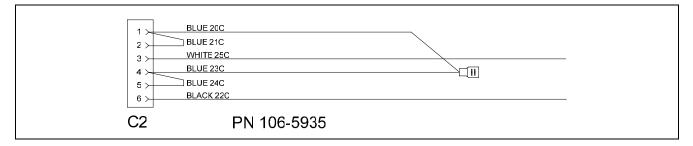




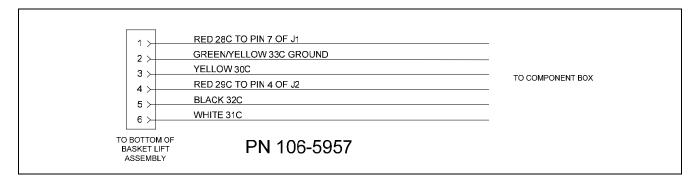
2.5.7.6 Component Box, Filter Pump and Basket Lift Wiring Harnesses

| ITEM | PART # | COMPONENT |
|------|----------|---|
| 1 | 106-5750 | Full Vat Control Harness J4 to J2 (Standard) |
| | 106-6639 | Full Vat Control Harness J4 to J2 (EPRI) |
| 2 | 106-5751 | Dual Vat Control Harness J4 to J1 and J2 (Standard) |
| | 106-6644 | Dual Vat Control Harness J4 to J1 and J2 (EPRI) |
| 3 | 106-5935 | Filter Pump C2 to Component Box Wiring Harness |
| 4 | 106-5957 | Basket Lift Harness Assembly (Standard) |
| | 106-6640 | Basket Lift Harness Assembly (EPRI) |

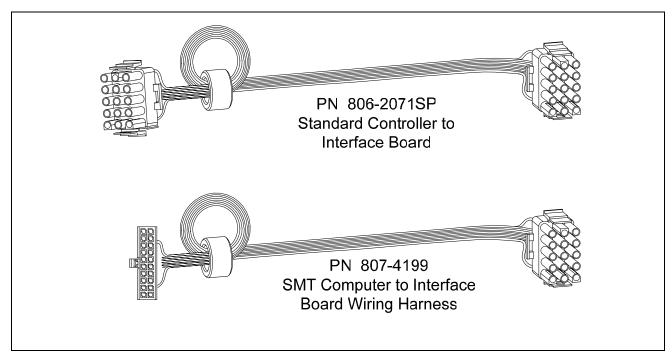
2.5.7.7 Component Box to Filter Pump Harness



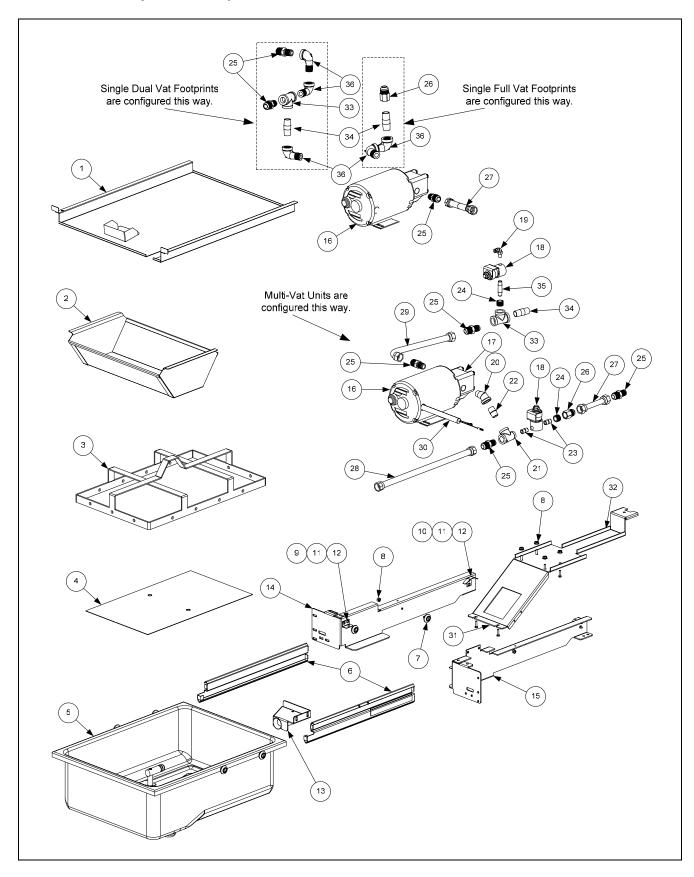
2.5.7.8 Basket Lift Harness



2.5.7.9 Interface Board to Controller Wiring Harness – 15-Pin



2.6 Filtration System Components



2.6 Filtration System Components cont.

| ITEM | PART # | COMPONENT |
|---------|----------------------|--|
| * | 826-1979 | Filter Pan Roller Kit (four each of Items 7 and 8) |
| * | 826-1980 | Service Filter Pan (Item 5 minus Item 2) |
| * | 826-1981 | Service Filter Pan Assembly (Service Filter Pan above plus Items 3 and 4) |
| * | 826-1392 | O-Ring (Pkg. of 5; used with Item 5) |
| * | 813-0568 | Plug, ¹ / ₈ -inch Socket Head Pipe (component of Item 5; two required) |
| * | 106-5911 | Heater Strip Assembly, 100-120V 25W 18" 806-5933SP |
| * | 106-2852SP | Heater Strip Assembly, 208-250V 25W 18" |
| 1 | 823-4787 | Lid, Multi-Vat Fryers Filter Pan |
| | 106-6243 | Lid, Single Station Fryer Only Full Vat Filter Pan |
| | 106-6310 | Lid, Single-Station Fryer Only Dual Vat Filter Pan |
| | 106-6461 | Lid, RE SCF Deep Cabinet Filter Pan |
| | 106-6735 | Lid, Fryer ½ Filter Pan |
| 2 | 810-2874 | Crumb Tray, Multi-Vat Fryers(component of Item 5) |
| | 824-1707 | Crumb Tray, Single Station Fryer Only |
| | 823-5812 | Crumb Tray, RE SCF Deep Cabinet |
| | 824-1734 | Crumb Tray, Fryer ¹ / ₂ |
| 3 | 810-2910 | Hold-Down Ring for Paper 13.65 x 21.41 Multi-Vat Fryers |
| | 823-5774 | Hold-Down Ring for Paper 8.98 x 19.39 Single Station Fryer Only |
| | 823-5811 | Hold-Down Ring for Pad 15.75x 20.02 SCF Deep Cabinet |
| | 823-5934 | Hold-Down Ring for Paper 8.98 x 21.04 Fryer ¹ / ₂ |
| 4 | 200-2124 | SanaGrid Filter Screen Standard |
| _ | 220-1316 | SanaGrid Filter Screen, Single Station Fryer Only |
| _ | 220-1461 | SanaGrid Filter Screen, SCF Deep Cabinet |
| | 220-1795 | SanaGrid Filter Screen, Fryer ¹ / ₂ |
| 5 | 106-2617SP | Pan, One-Piece Filter Multi-Vat Fryers (includes Item 2) |
| | 823-5594 | Pan, One-Piece Filter Single Station Fryer Only |
| | 823-5933 | Pan, One-Piece Filter Fryer ¹ / ₂ |
| | 823-5798 | Pan, Filter RE SCF Deep Cabinet (use 810-2805 Caster Front, 2" and 810-2807 |
| | | Caster Rear 2" rigid) |
| 6 * | 810-2012 | Rail Set, Filter Pan Roller (includes one left and one right) |
| * | 230-1381 | Slide, Filter Pan SCF Deep Cabinet |
| 7 | 826-1979 | Roller Kit (includes 4 rollers, 4 nuts and 4 lock washers) |
| 7 | 810-2198 | Roller, Filter Pan and Rail |
| 8 * | 826-1372 | Nut, ¹ / ₄ -20 Hex (Pkg. of 10) |
| 9 | 809-0191 | Washer, Lock 1/4 Spring ZP |
| 9 10 | 823-4675 | Bracket, Lid Support Guide, Filter Pap Lid |
| 10 | 200-3556 | Guide, Filter Pan Lid Left |
| | 200-3330 | Right |
| 11 | 200-0709 809-0503 | Screw, 8-32 X ¹ / ₂ -inch Slotted Truss Head |
| 11 | 809-0303 | Nut, 8-32 Hex Keps |
| 12 | 809-0247 823-3879 | Suction Tube, Multi-Vat Fryer |
| 15 | 823-5591 | Suction Tube, Single-Station Fryer |
| * | lustrated. | Continued on next page |

* Not illustrated.

Continued on next page...

2.6 Filtration System Components cont.

| ITEM | PART # | COMPONENT |
|----------|----------------------|---|
| 14 | 200-4408 | Rail, Left Pan Filter Multi-Vat Fryers |
| 14 | 106-5981 | Support Assembly, Left Single Station Fryer Only |
| | 220-1378 | Support Assembly, Left Single Station Type Only Support, Left Filter Pan SCF Deep Cabinet |
| | 220-1378 | Support, Left Filter Pan Fryer ½ |
| 15 | | |
| 15 | 200-4409 | Rail, Right Filter Pan Multi-Vat Fryers |
| | 106-5982 | Support Assembly, Right Single Station Fryer Only |
| | 220-1379 | Support, Right Filter Pan SCF Deep Cabinet |
| 16 | 220-2070 | Support, Right Filter Pan Filter ¹ / ₂ |
| 16 | 026 1705 | Motor and Gasket Kit |
| | 826-1785 | 100V 50/60 Hz |
| | 826-1712 | 115V 50/60 Hz |
| | 826-1756 | 208V 50/60 Hz |
| | 826-1270 | 220-240V 50/60 Hz |
| 17 | 826-1755 | 250V 50/60 Hz |
| 17 | 826-1264 | Pump and Gasket Kit 4 GPM 2-piece |
| * | 816-0093 | Gasket, Pump/Motor |
| * | 807-11973 | Seal Kit, Pump Viking |
| 10 | 810-2902 | Pump, Viking 8 GPM SCF Deep Cabinet |
| 18 | 807-2484 | Valve, ¹ / ₄ -inch Solenoid |
| 19 * | 810-2493 | Fitting, ¹ / ₄ -inch x 90° Quick-Connect |
| | 811-1071 | Tubing, ¹ / ₄ -inch OD Teflon Vent (sold by the foot) |
| 20 | 813-0342 | Elbow, ¹ / ₂ -inch 45° Street |
| 21 22 | 813-0530 | Tee, ¹ / ₂ -inch X ¹ / ₄ -inch X ¹ / ₂ -inch Reducing |
| 22 23 | 813-0022 | Nipple, ¹ / ₂ -inch Close |
| 23 24 | 813-0838 | Nipple, ¹ / ₄ -inch Close |
| 24 25 | 813-0304 810-1668 | Bushing, ¹ / ₂ -inch to ¹ / ₄ -inch Flush Adapter, ⁵ / ₈ -inch to ¹ / ₂ -inch NPT Male |
| 23 26 | | · · |
| 20 | 810-1669 810-1680 | Adapter, ⁵ / ₈ -inch to ¹ / ₂ -inch NPT Female Flexline, 6.5-inch Oil Return |
| 27 | 810-1080 | Flexline, 13-inch Oil Return |
| 28 29 | 810-1037 810-1043 | Flexline, 9.5-inch Oil Return |
| 30 | 010-1043 | Wiring Harness, Filter Pump |
| 50 | 106-5910 | 115/120V Filter Harness |
| - | 106-5906 | 208/230/240/250V Filter Harness |
| 31 | 809-0401 | Screw, 10-32 X ³ / ₄ -inch Hex Trim Head (Pkg. of 5) |
| 31 | 200-7112 | Bridge, Filter Motor Multi-Vat Fryers |
| 52 | 200-7112 824-1705 | Bridge Filter Motor Single Station Fryer Only |
| - | 220-1346 | Bridge, Filter Motor SCF Deep Cabinet |
| | 220-2080 | Bridge, Filter Motor Fryer ¹ / ₂ , Half Fryer LH side |
| - | 220-1837 | Bridge, Filter Motor Fryer ½, Half Fryer RH side |
| 33 | 813-0003 | Tee, ¹ / ₂ -Inch |
| 34 | 813-0298 | Nipple, ¹ / ₂ -inch 2.0-inch |
| 35 | 813-0537 | Nipple, ¹ / ₄ -inch 2.0-inch |
| 36 | 813-0165 | Elbow, ST ¹ / ₂ -inch x ¹ / ₂ -inch NPT 90° BM |
| | illustrated | |

* Not illustrated.

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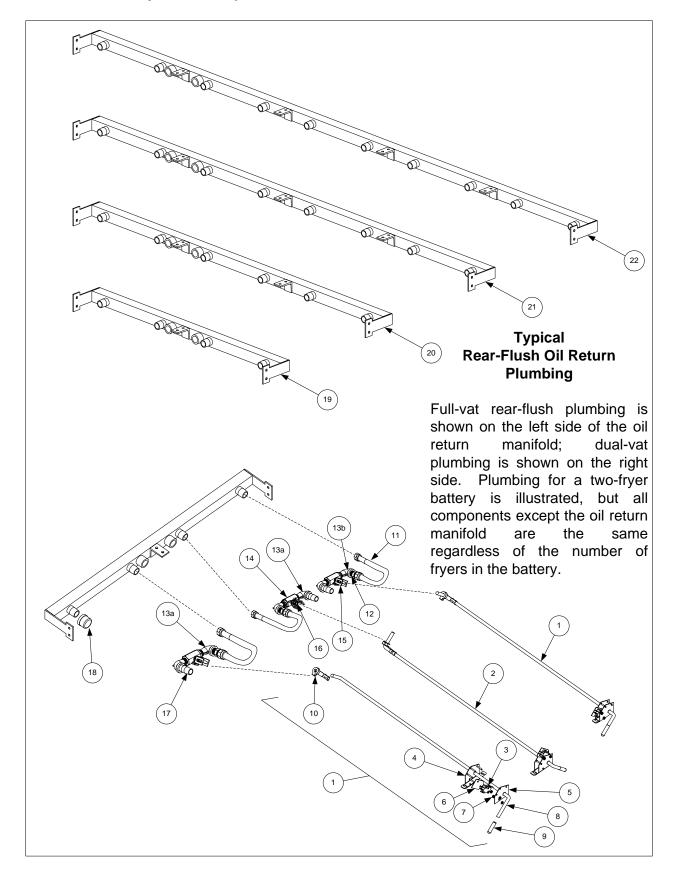
2.7 Frypot Assemblies and Associated Parts

| 2.7 Frypot Assemblies and Associated Parts cont. |
|--|
|--|

| 1 | ypot Assemblies and Associated 1 arts cont. | | |
|------|---|--|--|
| ITEM | PART # | COMPONENT | |
| 1 | | Frypot Assembly (<i>does not include Item 6</i>) | |
| 2 | 823-5545SP | Frypot, Full-Vat Filter with Insulation (for use on EPRI units) | |
| 3 | 823-5359SP | Frypot, Full-Vat Filter w/o Insulation (for use on Standard units) | |
| | 823-5996 | Frypot, Half-Vat Filter w/o Insulation LH (for use on Fryer 1/2 LH units) | |
| | 823-5723 | Frypot, Half-Vat Filter w/o Insulation RH (for use on Fryer 1/2 RH units) | |
| | 823-5783 | Frypot, Full-Vat Filter w/o Insulation Deep Cabinet (for use on Standard Deep units) | |
| 4 | 823-5551SP | Frypot, Dual-Vat Filter with Insulation (for use on EPRI units) | |
| 5 | 823-5482SP | Frypot, Dual-Vat Filter w/o Insulation (for use on Standard units) | |
| 6 | | Thermostat Assembly, High-Limit | |
| | 806-7543 | Non-CE Full Vat 425°F (218°C) (17kW FV and 14kW FV)(Color-Coded | |
| | | Black) | |
| | 806-8035 | Non-CE Dual Vat 435°F (224°C) (22kW, 17kW DV and 14 kW DV) (Color- | |
| | | Coded Red) | |
| _ | 806-8132 | CE 415°F (213°C) (14kW and 17kW CE) (Color-Coded Yellow) | |
| | 806-8536 | CE 405°F (207°C) (22 kW FV and DV CE) (Color-Coded White) | |
| 7 | 812-0211 | Insulation, Kaowool 17-inch X 10-inch X ¹ / ₂ -inch (4 required per pot) | |
| 8 | 900-4100 | Retainer, Side Insulation | |
| 9 | 900-4101 | Retainer, Front Insulation | |
| 10 | 900-1345 | Retainer, Rear Insulation | |
| 11 | 826-1376 | Nut, 10-32 Keps Hex (Pkg. of 10) | |
| NOTE | | for EDDI and and and and and the set for any EDDI (standard) and and | |

NOTES: The frypots for EPRI-equipped units are insulated; those for non-EPRI (standard) units are not. EPRI frypot assemblies 806-5545SP and 806-5551SP consist of Items 2 and 4 respectively, plus insulation (Items 7-10). When replacing insulation or adding insulation to a bare frypot, the individual pieces (sides, front, and back) are cut to fit from Item 7 when installed. Each frypot requires four uncut pieces of insulation.

2.8 Oil Return System Components

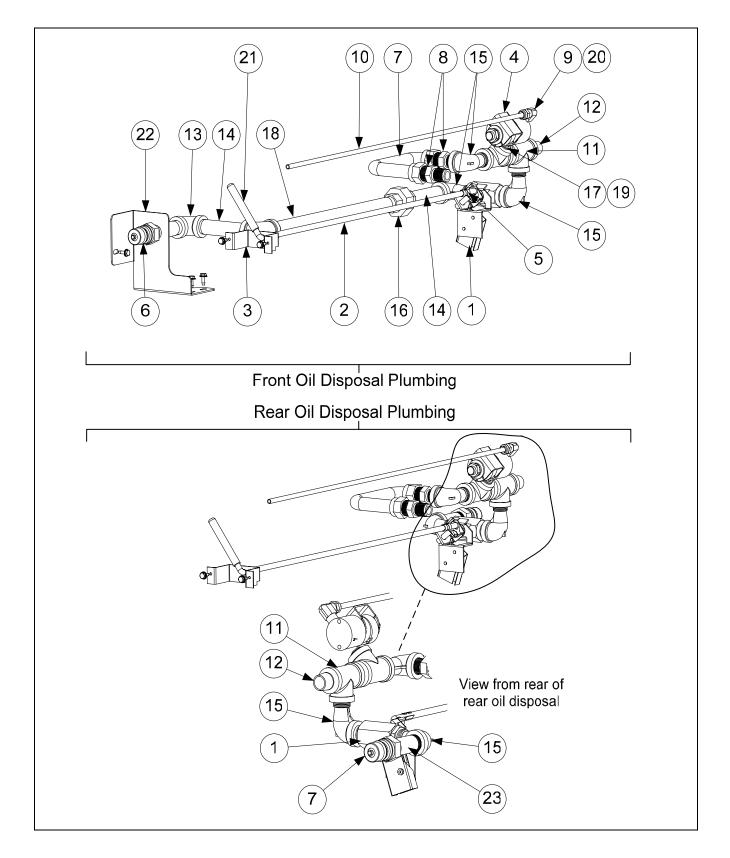


2.8 Oil Return System Components cont.

| ITEM | PART # | COMPONENT |
|------|----------|--|
| 1 | 106-5596 | Handle Assembly, Full-Vat and Right Dual-Vat Rear Flush Complete |
| | 106-6410 | Handle Assembly, Full-Vat Deep Cabinet Complete |
| 2 | 106-5597 | Handle Assembly, Left Dual-Vat Rear Flush Complete |
| 3 | 807-2103 | Microswitch, Straight Lever |
| 4 | 106-5595 | Bracket Assembly, Microswitch |
| 5 | 200-5401 | Bracket, Handle Retainer |
| 6 | 816-0220 | Insulation, Oil Return Microswitch |
| 7 | 826-1366 | Nut, 4-40 Keps Hex (Pkg. of 25) |
| 8 | 810-2534 | Rod, Full-Vat and Right Dual Vat Rear Flush |
| | 810-3081 | Rod, Full-Vat Right Hand Deep Cabinet |
| | 810-2533 | Rod, Left Dual Vat Rear Flush |
| 9 | 816-0643 | Grip, Oil Return Valve Handle |
| 10 | 809-0601 | Clip, Clevis |
| 11 | 810-2532 | Flexline, 7.0-inch Multi-Vat Units |
| | 810-1057 | Flexline, 13.0-inch Single Footprint Only Full Vat and Dual Vat Left Side |
| | 810-1055 | Flexline, 11.5-inch Single Footprint Only Dual Vat Right Side |
| 12 | 810-1668 | Adapter, ⁵ / ₈ -inch to ¹ / ₂ -inch NPT Male |
| 13a | 813-0165 | Elbow, ¹ / ₂ -inch X 90° Street |
| * | 813-0062 | Elbow, ¹ / ₂ -inch X 90° BM |
| * | 813-0087 | Nipple, ¹ / ₂ -inch X 1.50-inch NPT |
| 13b | 813-0908 | Adapter, ¹ / ₂ -inch NPT M/T 90° (used only on cabinet side) |
| 14 | 810-0278 | Valve, ¹ / ₂ -inch Ball |
| 15 | 200-5438 | Handle, Rear Flush Valve |
| 16 | 900-2935 | Retainer, Oil Return Valve Nut |
| 17 | 813-0460 | Nipple, ¹ / ₂ -inch X 3.0-inch NPT |
| 18 | 813-0907 | Cap, 15/16-inch Valve Safety |
| | | Manifolds |
| * | 810-3142 | Manifold, Fryer ¹ / ₂ Station Fryer |
| 19 | 810-3015 | Manifold, Two-Station Fryer (use 810-2543 for non-filter units) |
| 20 | 810-3016 | Manifold, Three-Station Fryer (use 810-2544 for non-filter units) |
| 21 | 810-3017 | Manifold, Four-Station Fryer (use 810-2545 for non-filter units) |
| 22 | 810-3018 | Manifold, Five-Station Fryer (use 810-2546 for non-filter units) |

* Not illustrated.

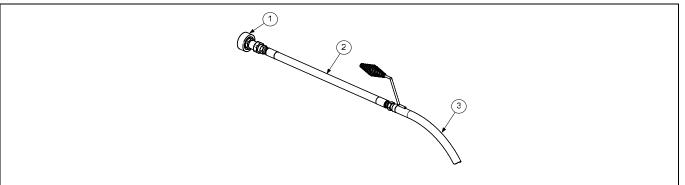
2.9 Oil Disposal Plumbing



2.9 Oil Disposal Plumbing cont.

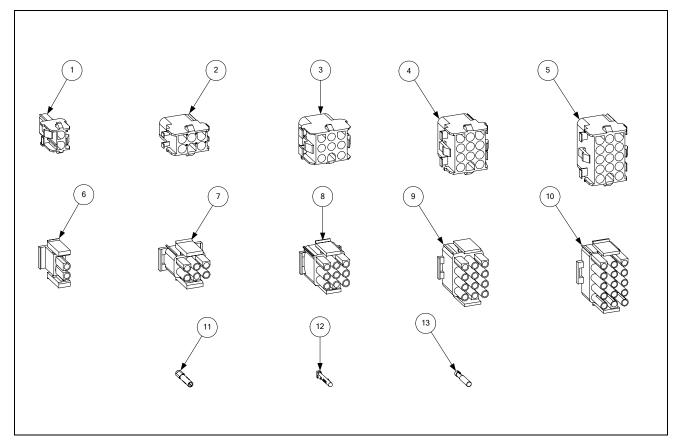
| ITEM | PART # | COMPONENT |
|------|----------|--|
| | 106-5959 | Plumbing, Front Oil Disposal |
| | 106-5933 | Plumbing, Rear Oil Disposal |
| 1 | 106-6033 | Valve Assembly, Oil Disposal |
| 2 | 220-0922 | Rod, Oil Disposal |
| 3 | 220-0963 | Bracket, Oil Disposal Rod |
| 4 | 807-2484 | Valve, Solenoid ¹ / ₄ -inch NPT |
| 5 | 809-0601 | Clip, Clevis Right Rod End |
| 6 | 810-0487 | Coupling, Male |
| 7 | 810-1043 | Flexline, ¹ / ₂ -inch ID x 9.50" |
| * | 810-1055 | Flexline, ¹ / ₂ -inch ID x 11.50" |
| 8 | 810-1668 | Adaptor, Male ⁵ / ₈ -inch OD x ¹ / ₂ -inch |
| 9 | 810-2493 | Fitting, 90° Quick Connect Tube |
| 10 | 812-1803 | Tubing, ¹ / ₄ -inch OD x 24.50" Teflon |
| 11 | 813-0003 | Tee, ¹ / ₂ -inch x ¹ / ₂ -inch BM |
| 12 | 813-0022 | Nipple, ¹ / ₂ -inch x Close NPT BM |
| 13 | 813-0062 | Elbow, ¹ / ₂ -inch 90° BM |
| 14 | 813-0093 | Nipple, ¹ / ₂ -inch x 4.0" NPT BM |
| 15 | 813-0165 | Elbow, Street ¹ / ₂ -inch x ¹ / ₂ -inch NPT 90° BM |
| 16 | 813-0173 | Union, ¹ / ₂ -inch NPT BM |
| 17 | 813-0304 | Bushing, ¹ / ₂ -inch x ¹ / ₄ -inch BM Flush |
| 18 | 813-0429 | Nipple, ¹ / ₂ -inch x 13.0" NPT BM |
| 19 | 813-0571 | Nipple, ¹ / ₄ -inch x 1 ¹ / ₂ -inch BM |
| 20 | 813-0807 | Bushing, ¹ / ₄ -inch x ¹ / ₈ -inch |
| 21 | 816-0637 | Cap, Vinyl Blue 5/16-inch x 3.0" |
| 22 | 823-5685 | Bracket, Assembly Quick Disconnect |
| | 823-5809 | Bracket, Assembly Quick Disconnect SCF Deep Cabinet |
| 23 | 813-0265 | Nipple, ¹ / ₂ -inch x 2.50" NPT BM |
| * | 810-1669 | Adapter, Female ⁷ / ₈ -inch O.D. x ¹ / ₂ -inch |
| * | 813-0253 | Nipple, ¹ / ₂ -inch x 10.00" NPT BM |
| * | 813-0298 | Nipple, ¹ / ₂ -inch x 2.00" NPT BM |
| * | 106-6407 | Switch Assembly RE Wand |

* Not illustrated. 2.10 Oil Disposal Wand



| ITEM | PART # | COMPONENT |
|------|----------|---|
| | 106-4395 | Oil Disposal Wand Assembly |
| 1 | 810-0490 | Quick Disconnect ¹ / ₂ -inch Female |
| 2 | 810-1471 | Hose, 24-inch |
| 3 | 810-0603 | Wand |

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) |

2.12 Fasteners

| ITEM | PART # | COMPONENT |
|------|----------|--|
| * | 809-0429 | Bolt, ¹ / ₄ -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, ¹ / ₂ NPT Locking |
| * | 809-0020 | Nut Cap 10-24 NP |
| * | 826-1372 | Nut Grip ¹ / ₄ -inch 1/4-20 Hex NP (Pkg. of 10) (809-0059) |
| * | 809-0417 | Nut Flange ¹ / ₄ -inch 1/4-20 Serr |
| * | 809-0535 | Nut, "T" ¼-inch-20 x 7/16 SS |
| * | 809-0540 | Nut, Lock ¹ / ₂ -inch-13 Hex 2-Way ZP |
| * | 826-1359 | Screw, 4-40 x ³ / ₄ -inch Slotted Round Head (Pkg. of 25) (809-0354) |
| * | 826-1365 | Screw, 6-32 x ³ / ₈ -inch Slot Head (Pkg. of 25) (809-0095) |
| * | 809-0357 | Screw, 6 x ³ / ₈ -inch Phillips Head NP |
| * | 809-0359 | Screw, 8 x ¹ / ₄ -inch Hex Washer Head |
| * | 809-0360 | Screw, 8 x ³ / ₈ -inch Hex Washer Slot Head |
| * | 826-1371 | Screw, 8 x ¹ / ₂ -inch Hex Head ZP (Pkg. of 25) (809-0361) |
| * | 809-0364 | Screw, 8 x ⁵ / ₈ -inch Hex Washer Head ZP |
| * | 809-0518 | Screw, 8-32 x ³ / ₈ -inch Hex Washer Slotted Head SS |
| * | 809-0104 | Screw, 8-32 x ¹ / ₂ -inch Slotted Head ZP |
| * | 826-1363 | Screw, 8-32 x ¹ / ₂ -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 ³ / ₈ -inch Slot Head SS (809-0117) |
| * | 809-1003 | Screw, 10-32 x ³ / ₈ -inch Hex Trim Head SS |
| * | 826-1375 | Screw, 10-32 x ³ / ₄ -inch Hex Trim Head SS (Pkg. of 5) (809-0401) |
| * | 809-1000 | Screw, 10-32 x 1 ¹ / ₄ -inch Hex Sck C/S |
| * | 826-1374 | Screw, 10 x ¹ / ₂ -inch Hex Head (Pkg. of 25) (809-0412) |
| * | 809-0266 | Screw, 10 x ¹ / ₂ -inch Phillips Head ZP |
| * | 809-0434 | Screw, 10 x ³ / ₈ -inch Hex Washer Head NP |
| * | 809-0123 | Screw, 10 x ³ / ₄ -inch Slot Head |
| * | 826-1389 | Screw, 1/4-20 x ³ / ₄ -inch Hex Head ZP (Pkg. of 10) (809-0131) |
| * | 809-0582 | Washer ¹ / ₂ 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 |





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